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OPERATION MAINTENANCE AND MONITORING REPORT
(February 2002 – May 2002)
FORMER FLAGSHIP AIRLINES HANGAR
DUTCHESS COUNTY AIRPORT
WAPPINGERS FALLS, NEW YORK
NYSDEC SITE NO. 3-14-101, ORDER ON CONSENT NO. W3-0837-98-12

Shaw Environmental, Inc. Project 820131

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1.0 INTRODUCTION

This status report prepared by Shaw Environmental, Inc. (Shaw) details the operational status of the Air Sparge/Soil Vapor Extraction treatment system at the Former Flagship Airlines Hangar, Dutchess County Airport, Wappingers Falls, New York (**Figure 1** and **Figure 2**). This status report covers the period from January 23, 2002 through May 22, 2002. Discussion addresses the sampling event conducted on May 22, 2002 and four months of operation and maintenance.

Total run time for the air sparge (AS) and soil vapor extraction (SVE) system during the reporting period was 3,000 available hours, with 2,904 actual hours or 97%. The down-time experienced during the reporting period was caused by an SVE low vacuum alarm. Once alarm notification received in Shaw office, remote re-start was attempted. Apparently, the SVE motor starter tripped, which does not allow for remote over-ride. Technician visit was scheduled and performed within a few business days.

2.0 OPERATION AND MAINTENANCE

As per the Interim Remedial Measures Work Plan (IRM), Operation and Maintenance (O&M) visits were performed. O&M visits were performed on February 21 and 27 (system restart), March 20, April 17 and May 22, 2002. The system was monitored during these O&M visits for air flow and volatile organic compounds (VOCs) utilizing a thermal anemometer and a photoionization detector (PID). System air flow rates were consistent with system startup performance and the distribution of sparge air into the treatment zone is satisfactory. Individual system components were also monitored to ensure that all process systems were operating within design parameters.

Monitoring tasks performed during each O&M visit included:

- AS and SVE equipment inspected and operating parameters monitored and adjusted.
- AS and SVE equipment monitored (drained moisture separator when necessary, check/change air filter elements and belts and greasing and oil changes on blowers).
- Former Flagship and IBM property monitoring wells gauged for water depths and dissolved oxygen content.
- SVE points monitored in the equipment compound to verify pressure vacuum response surrounding the system.
- System operational time monitored.
- Influent SVE leg, pre-manifold, post-manifold, pre-carbon, in-between carbon and post-carbon absorption PID readings. Influent and effluent analytical for air quality once per period (September, January and May of each year).

3.0 SIGNIFICANT OPERATIONAL NOTES

No significant operational notes for this reporting period were recorded. Low groundwater conditions, brought on by unseasonable drought conditions in the region, and excellent system performance are primarily responsible.

No condensate accumulation was recorded during the reporting period. This supports the lower than normal groundwater levels observed throughout the site.

4.0 SOIL VAPOR EXTRACTION SYSTEM

The SVE system was activated on August 4, 2000. The SVE system was designed and initially operated as two pulsed legs (North Leg and South Leg). All seven SVE wells are positioned horizontally in the subsurface due to shallow groundwater conditions. The North Leg wells are EW-3, EW-4 and EW-6. The South Leg wells are EW-1, EW-2, EW-5 and EW-7.

All seven SVE wells continue to operate simultaneously, twenty-four hours per day. Flow and pressure measurements continue to fall within design levels.

Air samples were collected during the May 22, 2002 site visit to track system removal efficiency, and to verify compliance as per the informal NYSDEC discharge agreement. The laboratory report is included as **Appendix A.**

The SVE system operated at an average flow of 368 cubic feet per minute (cfm) during the reporting period as measured at the SVE blower effluent. This increase in flow, from the previous reporting period (288 cfm) is directly related to the lower water levels prevalent throughout the region, thus the SVE potential to extract vapors from a larger unsaturated zone.

Based on photoionization detector (PID) calculation, 13.74 pounds of VOCs were removed during the current reporting quarter, all between the April 17th and May 22nd visits. To date the system has removed approximately 21.18 pounds of VOCs. System operating data and removal calculations based on monthly PID readings are shown in **Table 1**. To date laboratory analysis, thus calculative collection of "compounds of concern" is determined to be approximately 4.32 pounds (**Table 3**). Vapor phase carbon absorption efficiency for the compounds of concern is shown on **Table 2.**

5.0 AIR SPARGE SYSTEM

The air sparging (AS) system was activated on August 7, 2000. The AS system is comprised of two pulsed legs (North Leg and South Leg). The North Leg wells are SP-4, SP-5 and SP-6. The South Leg wells are SP-1, SP-2, SP-3 and SP-7.

During the current reporting period, the sparge points ran at an average flow of approximately 9.9 cfm (previous period = 8.7 cfm), with a total average system pressure of approximately 4.6 pounds per square inch (psi) as compared to previous period of 6.7 psi. The air sparge blower was fully operational in conjunction with the SVE system during the reporting period. The increased flow and decreased pressure during the reporting period supports the improved efficiency, caused by lower than normal groundwater levels.

Dissolved oxygen levels were measured in performance monitoring wells during the scheduled O&M visits. Based upon data collected during the quarterly monitoring period distribution of sparge air is noticeable and displays continued trends. All historical dissolved oxygen data available since May 1999 is tabulated and shown in **Table 4**. Air distribution trends and dissolved oxygen levels in the monitoring well network will continue to be measured during future O&M visits to anticipate maintenance actions needed in order to maintain desired air flow rates to the treatment zone.

6.0 SYSTEM TREATMENT EFFICIENCY

Data collected from the performance monitoring well network located upgradient and downgradient of the treatment zone does show slight trends as of this reporting period. The highest dissolved contaminant levels on the former Flagship property remain in the MW-9 and MW-10 well area. During the tri-annual treatment period general consistent, with some decreases in dissolved contaminant levels has been observed. Analytical results from the monitoring well network are tabulated and presented in **Table 5**. IRM significant compounds of concern are tabulated and presented in **Table 6**.

This report summarizes a joint survey from the Flagship and IBM hangar property groundwater contour map for the water level measurements from this reporting period. The groundwater contour map of the May 2002 event is shown as **Figure 3** in this report.

During the May 2002 gauging event groundwater elevations on the Flagship parcel ranged from 152.65 feet (MW-8) to 154.45 feet (ME-16). On the IBM parcel, groundwater elevations ranged from 150.27 feet (A-44S) to 152.78 feet (A-40S). Depth to groundwater measurements and elevations are presented in **Table 4**. Based on the calculated groundwater elevations on the former Flagship and IBM properties a northwest groundwater flow direction is indicated (**Figure 3**). Prior to monitoring well gauging the treatment system is shutdown to allow for the stabilization of the naturally occurring potentiometric surface.

During the May 22, 2002 sampling event elevated laboratory detections were recorded in samples collected from MW-9 and MW-10. DCA was detected at an estimated concentration of 7 ug/l (MW-10). PCE was detected at 74 ug/l (MW-9) and 43 ug/l (MW-10). These concentrations have remained relatively constant over the past year. PCE was not detected in down-gradient monitoring well MW-6. Though MW-9 and MW-10 continue to display dissolved contamination, down-gradient wells are predominantly clean, thus demonstrating limited plume mobility away from this primary area of concern. TCE was not detected in any of the monitoring wells on either property. Naphthalene was detected at 340 ug/l (MW-9) and an estimated 8 ug/l (MW-10). Naphthalene was not detected in any of the former Flagship down-gradient property boundary wells. Naphthalene has not been detected in monitoring well MW-20 for five consecutive sampling events. This well was specifically screened directly above the silty aquitard beneath the impacted aquifer to monitor potential naphthalene presence. The analytical results are presented on **Table 5** and **Figure 4.** Naphthalene (**Figure 5**), chloroethane (**Figure 4**) and 1,2 dichloroethane (**Figure 7**) are visually presented in contamination isochron format. Trend data for PCE, DCA, and naphthalene are presented in **Figures 8, 9** and **10** respectfully. Groundwater analytical data is presented in **Appendix B**.

Samples collected from former IBM monitoring wells, located near the eastern corner of the hangar exhibited elevated concentrations. DCA concentrations of 17 ug/l (A-26S), 11 ug/l (A-42S) and an estimated 4 ug/l (A-43S) were recorded. Naphthalene was detected at an estimated concentration of 6 ug/l in A-27S and 1,300 ug/l in A-42S. No significant trends have been observed in former IBM property wells, while upgradient former Flagship property wells have remained below laboratory detection limits for an extended period.

Naphthalene has not been detected in MW-20 for five consecutive sampling events, however, A-42S located approximately twenty feet down-gradient has not shown any significant decreasing trend. This well (MW-20) is ideally screened directly above a silty aquitard, is positioned between two AS wells and has not exhibited naphthalene detections since the AS/SVE system commenced operation. The presence of one or more of the following compounds (naphthalene, dichloroethane and chloroethane) in former IBM property wells A-42S, A-26S and A-27S, combined with the lack of immediate up-gradient (former Flagship property) dectections suggests that an ongoing source of these contaminants possibly exists on the former IBM leased property. The MW-9 and MW-10 area of concern on the former Flagship property is approximately 160 feet up-gradient from this IBM well area. With the exception of low and infrequent detections in MW-6 no laboratory detections have been recorded between these two areas.

7.0 PROPOSED ACTIVITIES

Proposed activities for the next reporting period include:

- Monthly operation and maintenance visits to monitor system operation.
- Adjust system flow and vacuum to maximize treatment system operation, especially during these lower groundwater periods when vapor recovery is optimal.
- Collect groundwater and SVE effluent air samples in September 2002.

TABLES

Table 1
FORMER FLAGSHIP HANGAR FACILITY
AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
RECOVERY

Sampling Date	Run Time Since Last Visit (hrs) Available	Actual	SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (4" diam.) (fpm)	SVE Blower Effluent Flow Rate (cfm)	SVE Blower Effluent PID Reading (ppmv)	VOC Removal Rate (lbs/hr)	VOC's Recovered Since Last O&M Visit (lbs.)	Cumulative lbs. of VOC's Recovered (lbs.)
08/04/00	0 /	0	0.00%	2942.5	256	2.2	0.01	0.00	0.00
08/09/00	120 /	6	5.00%	3172.4	276	0.0	0.00	0.00	0.00
08/16/00	168 /	168	100.00%	3103.4	270	0.0	0.00	0.00	0.00
08/24/00	192 /	192	100.00%	3356.3	292	0.0	0.00	0.00	0.00
09/21/00	672 /	261	38.84%	3678.2	320	0.0	0.00	0.00	0.00
10/09/00	432 /	192	44.44%	3678.2	320	0.0	0.00	0.00	0.00
11/17/00	936 /	542	57.91%	4046.0	352	0.0	0.00	0.00	0.00
12/06/00	456 /	298	65.35%	4114.9	358	0.0	0.00	0.00	0.00
01/10/01	840 /	120	14.29%	4000.0	348	0.0	0.00	0.00	0.00
02/19/01	960 /	960	100.00%	3195.4	278	0.0	0.00	0.00	0.00
03/28/01	888 /	72	8.11%	0.0	0	0.0	0.00	0.00	0.00
04/19/01	528 /	270	51.14%	2580.0	224	0.0	0.00	0.00	0.00
05/16/01	648 /	600	92.59%	2919.5	254	0.0	0.00	0.00	0.00
06/20/01	840 /	792	94.29%	3185.0	277	0.0	0.00	0.00	0.00
07/30/01	960 /	960	100.00%	3287.4	286	0.0	0.00	0.00	0.00
08/17/01	432 /	432	100.00%	3310.3	288	0.0	0.00	0.00	0.00
09/11/01	600 /	600	100.00%	3379.3	294	0.0	0.00	0.00	0.00
10/31/01	1200 /	1200	100.00%	3595.0	313	0.0	0.00	0.00	0.00
11/29/01	696 /	408	59.00%	3560.0	310	2.3	0.01	4.08	4.08
12/13/01	336 /	336	100.00%	3580.0	311	2.0	0.01	3.36	7.44
01/17/02	840 /	768	91.00%	2494.0	217	0.0	0.00	0.00	7.44
02/21/02	840 /	840	100.00%	3678.2	320	0.0	0.00	0.00	7.44
03/20/02	648 /	552	85.19%	4770.1	415	0.0	0.00	0.00	7.44
04/17/02	672 /	672	100.00%	3804.6	331	0.0	0.00	0.00	7.44
05/22/02	840 /	840	100.00%	4655.2	405	5.7	0.02	13.74	21.18

TABLE 2
FORMER FLAGSHIP HANGAR FACILITY
AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
TREATMENT EFFICIENCY

Date	Compounds of Concern	SVE Influent South Leg (ppbv)	SVE Influent North Leg (ppbv)	Carbon Effluent South Leg (ppbv)	Carbon Effluent North Leg (ppbv)	Carbon Efficiency South Leg (%)	Carbon Efficiency North Leg (%)	Total System Efficiency (%)
08/04/00	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	130	13	ND	ND	100.00	100.00	100.00
	Toluene	3.9	2.3	0.52	ND	86.67	100.00	93.34
	1,1-Dichloroethane	1.4	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	13	1.5	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
10/9/00 (1)	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	100	ND	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	0.82	ND	100.00	100.00	100.00
	1,1-Dichloroethane	2.3	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	17	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
12/06/00	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	50	3.5	ND	ND	100.00	100.00	100.00
	Toluene	1.1	ND	ND	ND	100.00	100.00	100.00
	1,1-Dichloroethane	5.9	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	6.7	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
05/16/01	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	ND	ND	100.00	100.00	100.00
	1,1-Dichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
06/20/01	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	40	7.0	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	0.98	ND	NA	100.00	NA
	1,1-Dichloroethane	ND	3.0	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	4.2	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
09/11/01	Trichloroethene	1.4	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	130	2.5	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	ND	ND	NA	100.00	NA
	1,1-Dichloroethane	14	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	88	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
01/17/02	Trichloroethene	NA	NA	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	NA	NA	ND	ND	100.00	100.00	100.00
	Toluene	NA	NA	1.5	ND	NA	100.00	NA
	1,1-Dichloroethane	NA	NA	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	NA	NA	ND	ND	100.00	100.00	100.00
	Naphthalene	NA	NA	ND	ND	100.00	100.00	100.00
05/22/02	Trichloroethene	ND	ND	0.55	1	NA	NA	NA
	Tetrachloroethene	6.20	7.90	ND	ND	100.00	100.00	100.00
	Toluene	18.00	15.00	1.3	2.8	93.00	81.00	87.00
	1,1-Dichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	86.00	109.00	ND	ND	100.00	100.00	100.00

Notes:
ND = Not Detected, therefore, compound believed to be absent in treatment train or below method detection limit.
NA = Not Applicable.
(1) = Quarterly vapor recovery/treatment air samples collected on 10/9/00, not during the quarterly groundwater sampling event as intended.
(2) = Quarterly vapor recovery/treatment air samples collected in May because SVE MOV not operational during March sampling event.
The May 16, 2001 sampling event was conducted after the system was re-started and in-place of the scheduled March sampling event.

Table 3
Former Flagship Airlines Hangar Facility
Air Sparge/Soil Vapor Extraction System
Compound of Concern Cumulative Recovery

Sampling Date	Run Time Since Last Visit (hrs) Available / Actual	SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (4" diam.) (fpm)	SVE Blower Effluent Flow Rate (cfm)	SVE Blower Effluent Lab Result (ppmv)	SVE Blower Effluent PID Reading (ppmv)	VOC Removal Rate (lbs/hr)	VOC's Recovered Since Last O&M Visit (lbs.)	Cumulative lbs. of VOC's Recovered (lbs.)
8/4/00	0 / 0	0.00%	2885	252	0.165	2.2	0.0006	0.00	0.00
10/9/00	1584 / 627	39.58%	3759	328	0.119	0.0	0.0006	0.40	0.40
12/6/00	1392 / 1032	74.14%	4103	358	0.067	0.0	0.0005	0.51	0.92
5/16/01	3864 / 2320	60.04%	2805	245	0	0.0	0.0002	0.46	1.38
6/20/01	840 / 792	94.29%	3195	279	0.0542	0.0	0.0001	0.08	1.46
9/11/01	1992 / 1992	100.00%	3379	295	0.236	0.0	0.0006	1.20	2.66
1/17/02	3072 / 2712	88.28%	2494	217	0.0015	0.0	0.0005	1.36	4.02
5/22/02	3000 / 3000	100.00%	4500	405	0.0404	5.7	0.0001	0.30	4.32

TABLE 4
FORMER FLAGSHIP HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	DG-1			MW-1			MW-2			MW-6			MW-7A			MW-8		
	TOC Elev. 162.27			TOC Elev. 156.03'			TOC Elev. 162.34'			TOC Elev. 158.64'			TOC Elev. 158.52 '			TOC Elev. 159.37'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
12/30/96	8.65	153.62	NM	1.14	154.89	NM	5.83	156.51	NM	2.41	156.23	NM	1.98	156.54	NM	5.73	153.64	NM
4/2/97	7.80	154.47	NM	0.79	155.24	NM	4.72	157.62	NM	2.24	156.40	NM	1.85	156.67	NM	5.18	154.19	NM
5/21/99	9.00	153.27	12.59	2.32	153.71	14.87	7.32	155.02	15.23	3.75	154.89	13.51	3.45	155.07	13.00	6.19	153.18	12.53
2/9/00	10.12	152.15	NM	NG	NG	NM	8.87	153.47	NM	5.33	153.31	NM	5.14	153.38	NM	7.33	152.04	NM
6/28/00	8.45	153.82	NM	1.22	154.81	NM	5.98	156.36	NM	2.45	156.19	NM	2.15	156.37	NM	5.48	153.89	NM
8/3/00	9.00	153.27	1.19	2.09	153.94	4.65	6.98	155.36	1.02	4.47	154.17	7.17	3.19	155.33	4.25	6.31	153.06	1.57
8/10/00	8.78	153.49	NM	2.07	153.96	NM	6.94	155.40	NM	3.44	155.20	NM	3.17	155.35	NM	6.23	153.14	NM
8/31/00	9.01	153.26	3.58	2.38	153.65	4.69	6.94	155.40	5.25	3.47	155.17	3.60	3.24	155.28	11.05	6.91	152.46	2.29
9/21/00	9.16	153.11	2.48	2.45	153.58	5.59	5.90	156.44	4.28	2.39	156.25	3.62	3.49	155.03	6.98	5.95	153.42	1.76
10/16/00	9.39	152.88	3.58	2.93	153.10	7.97	7.58	154.76	7.68	4.11	154.53	6.09	3.90	154.62	6.79	6.55	152.82	2.81
11/13/00	9.55	152.72	1.75	2.92	153.11	8.58	6.36	155.98	4.48	2.97	155.67	5.09	4.23	154.29	6.56	6.39	152.98	2.37
12/6/00	9.98	152.29	13.25*	3.51	152.52	0.77*	7.45	154.89	15.68*	4.35	154.29	10.61*	4.54	153.98	8.29*	6.88	152.49	17.4*
1/8/01	9.37	152.90	1.83	3.06	152.97	3.33	9.22	153.12	5.38	4.94	153.70	5.57	4.60	153.92	6.24	6.52	152.85	2.52
2/19/01	9.19	153.08	4.19	NM	NM	NM	10.07	152.27	11.15	6.05	152.59	13.03	5.03	153.49	8.13	6.35	153.02	2.33
3/28/01	8.61	153.66	16.51*	1.37	154.66	17.86*	6.56	155.78	9.56*	3.02	155.62	15.73*	2.72	155.80	16.75*	5.75	153.62	15.53*
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/01	9.26	153.01	0.73	NG	NG	NM	8.36	153.98	2.09	4.89	153.75	4.29	3.32	155.20	5.54	6.34	153.03	1.05
6/20-6/21/01	9.32	152.95	0.63	2.29	153.74	2.98	7.35	154.99	6.75	3.84	154.80	4.00	3.53	154.99	4.37	7.01	152.36	0.66
7/30/01	9.93	152.34	0.77	3.21	152.82	1.22	8.81	153.53	2.82	5.30	153.34	3.56	4.53	153.99	4.17	7.33	152.04	1.08
8/16/01	10.30	151.97	0.62	3.56	152.47	1.71	9.55	152.79	2.37	5.94	152.70	4.12	4.87	153.65	3.57	8.22	151.15	0.94
9/10/01	10.81	151.46	0.62	3.95	152.08	1.08	7.60	154.74	3.69	4.40	154.24	9.97	4.93	153.59	4.12	9.22	150.15	1.35
10/31/01	10.73	151.54	0.56	4.02	152.01	3.69	NM	NM	NM	4.75	153.89	4.86	5.50	153.02	3.72	NM	NM	NM
11/29/01	11.13	151.14	0.81	4.35	151.68	6.27	10.49	151.85	5.65	7.76	150.88	7.10	6.02	152.50	3.54	8.90	150.47	1.34
12/13/01	11.11	151.16	0.29	4.64	151.39	5.47	12.31	150.03	6.31	8.03	150.61	3.62	6.56	151.96	3.38	8.75	150.62	NM
1/17/02	10.96	151.31	1.00	4.04	151.99	0.95	11.98	150.36	7.03	8.13	150.51	6.98	6.44	152.08	5.20	8.13	151.24	2.42
2/21/02	11.03	151.24	0.72	4.55	151.48	0.72	10.28	152.06	4.12	6.73	151.91	3.25	6.49	152.03	2.94	8.21	151.16	0.37
3/20/02	11.01	151.26	0.45	4.54	151.49	1.48	10.24	152.10	9.62	6.73	151.91	4.89	6.50	152.02	3.28	8.17	151.20	1.15
4/17/02	10.40	151.87	1.38	4.07	151.96	2.40	11.24	151.10	2.28	7.15	151.49	3.27	6.18	152.34	3.96	7.78	151.59	1.61
5/22/02	9.54	152.73	1.12	2.92	153.11	0.59	8.43	153.91	0.90	4.89	153.75	1.89	4.64	153.88	2.50	6.72	152.65	0.43
09/23&24/2002	10.08	152.19	0.50	3.40	152.63	2.03	8.40	153.94	4.48	5.01	153.63	3.40	4.82	153.70	2.63	7.35	152.02	0.56

	MW-9			MW-10			MW-20			ME-12			ME-13			ME-14		
	TOC Elev. 158.87'			TOC Elev. 158.72'			TOC Elev. 159.24'			TOC Elev. 158.87'			TOC Elev. 159.50'			TOC Elev. 159.98'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
12/30/96	2.72	156.15	NM	2.58	156.14	NM	NG	NG	NM	3.12	155.75	NM	6.10	153.40	NM	3.91	156.07	NM
4/2/97	4.54	154.33	NM	2.39	156.33	NM	NG	NG	NM	3.06	155.81	NM	5.65	153.85	NM	3.86	156.12	NM
5/21/99	3.82	155.05	13.58	3.55	155.17	11.12	NG	NG	NI	4.50	154.37	14.39	7.10	152.40	10.13	5.39	154.59	10.41
2/9/00	5.43	153.44	NM	5.20	153.52	NM	NG	NG	NM	5.83	153.04	NM	NG	NG	NM	6.71	153.27	NM
6/28/00	2.91	155.96	NM	2.72	156.00	NM	4.46	154.78	NM	3.29	155.58	NM	7.14	152.36	NM	3.92	156.06	NM
8/3/00	3.75	155.12	0.2	3.55	155.17	0.25	5.15	154.09	2.55	4.08	154.79	0.65	7.65	151.85	1.80	4.79	155.19	0.61
8/10/00	3.72	155.15	NM	3.50	155.22	NM	5.09	154.15	NM	4.06	154.81	NM	6.69	152.81	NM	4.72	155.26	NM
8/31/00	3.69	155.18	8.29	3.52	155.2	3.68	5.65	153.59	6.51	4.17	154.7	10.93	6.97	152.53	4.37	4.95	155.03	3.3
9/21/00	3.54	155.33	1.67	3.80	154.92	3.39	4.56	154.68	3.88	3.76	155.11	9.34	8.79	150.71	3.89	5.31	154.67	2.07
10/16/00	3.99	154.88	7.77	4.12	154.6	2.72	4.90	154.34	7.37	4.70	154.17	10.51	NG	NG	NG	5.76	154.22	3.18
11/13/00	4.53	154.34	2.02	4.58	154.14	2.11	5.44	153.8	8.38	3.32	155.55	10.55	9.93	149.57	1.56	9.93	150.05	1.56
12/6/00	4.80	154.07	2.06*	4.67	154.05	2.39*	6.44	152.8	5.82	5.19	153.68	10.66*	8.04	151.46	6.97*	6.45	153.53	0.6*
1/8/01	4.65	154.22	8.61	4.58	154.14	4.28	6.02	153.22	5.59	5.18	153.69	10.58	7.85	151.65	1.97	6.30	153.68	2.21
2/19/01	4.60	154.27	9.38	4.20	154.52	8.91	5.56	153.68	6.59	6.64	152.23	8.94	6.92	152.58	1.14	5.62	154.36	1.38
3/28/01	3.32	155.55	13.77*	3.15	155.57	9.77*	4.70	154.54	13.08*	3.67	155.20	10.95*	6.41	153.09	16.11*	4.50	155.48	11.53*
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/01	3.68	155.19	0.74	3.45	155.27	0.58	5.11	154.13	0.58	4.53	154.34	1.48	NG	NG	NM	5.00	154.98	1.14
6/20-6/21/01	3.98	154.89	0.68	3.73	154.99	0.70	5.65	153.59	0.81	4.52	154.35	5.68	7.12	152.38	1.07	5.15	154.83	0.63
7/30/01	4.91	153.96	0.36	4.60	154.12	0.31	6.13	153.11	2.16	5.93	152.94	6.65	NM	NM	NM	5.95	154.03	0.53
8/16/01	5.14	153.73	0.45	5.06	153.66	0.43	6.92	152.32	0.54	7.25	151.62	4.09	8.13	151.37	0.69	6.38	153.60	0.57
9/10/01	4.98	153.89	0.58	5.33	153.39	0.54	7.61	151.63	0.79	5.15	153.72	10.72	7.55	151.95	0.89	6.90	153.08	0.39
10/31/01	5.40	153.47	0.87	5.84	152.88	0.69	6.82	152.42	1.92	5.63	153.24	3.14	9.56	149.94	0.56	7.23	152.75	0.72
11/29/01	6.08	152.79	0.59	6.32	152.40	0.47	6.92	152.32	1.56	8.27	150.60	2.41	8.61	150.89	0.91	7.65	152.33	0.93
12/13/01	6.69	152.18	0.91	6.54	152.18	0.56	7.92	151.32	4.15	7.85	151.02	5.80	11.23	148.27	0.52	7.82	152.16	0.67
1/17/02	6.07	152.80	0.59	6.29	152.43	1.40	NM	NM	NM	7.93	150.94	2.60	9.10	150.40	1.30	7.83	152.15	1.33
2/21/02	6.75	152.12	NM	6.63	152.09	1.36	7.68	151.56	0.72	6.96	151.91	4.07	9.18	150.32	1.22	7.82	152.16	0.65
3/20/02	6.77	152.10	NM	6.70	152.02	NM	7.68	151.56	1.38	7.00	151.87	1.32	NG	NG	NG	7.93	152.05	0.70
4/17/02	6.64	152.23	3.46	6.30	152.42	3.16	7.34	151.90	5.34	7.11	151.76	2.03	NG	NG	NG	7.33	152.65	2.94
5/22/02	5.03	153.84	0.95	4.83	153.89	0.50	6.06	153.18	1.06	5.20	153.67	1.56	NG	NG	NG	6.14	153.84	0.87
09/23&24/2002	4.91	153.96	0.73	4.94	153.78	0.42	5.69	153.55	5.95	5.58	153.29	5.43	8.91	150.59	0.63	6.38	153.60	0.81

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, IT Corporation did not collect prior to this date.
NG - Well Not Gauged on this date.
NI = Not installed as of this date.

All dissolved oxygen measurements are in mg/l.
NM = Not Measured.
* = DO measurement incorrect due to malfunctioning meter.

TABLE 4 (Continued)
FORMER IBM HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	ME-15			ME-16			ME-18			ME-19			PZ-1		
	TOC Elev. 159.66'			TOC Elev. 159.09'			TOC Elev. 157.82'			TOC Elev. 161.08'			TOC Elev. 157.46'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
12/30/96	3.58	156.08	NM	2.45	156.64	NM	2.31	155.51	NM	NG	NG	NM	NG	NG	NM
4/2/97	3.58	156.08	NM	2.43	156.66	NM	2.27	155.55	NM	6.31	154.77	NM	NG	NG	NM
5/21/99	5.10	154.56	9.09	4.00	155.09	9.86	3.29	154.53	14.69	7.68	153.4	13.17	NG	NG	NI
2/9/00	NG	NG	NM	NG	NG	NM	4.89	152.93	NM	8.86	152.22	NM	NG	NG	NM
6/28/00	4.20	155.46	NM	2.55	156.54	NM	1.95	155.87	NM	7.48	153.6	NM	3.24	154.22	NM
8/3/00	4.29	155.37	3	3.65	155.44	0.86	3.17	154.65	3.36	7.37	153.71	2.32	3.89	153.57	0.5
8/10/00	4.35	155.31	NM	3.59	155.50	NM	3.13	154.69	NM	7.32	153.76	NM	3.84	153.62	NM
8/31/00	4.53	155.13	3.78	3.58	155.51	3.88	3.18	154.64	4.51	8.08	153.00	2.48	4.50	152.96	6.39
9/21/00	5.07	154.59	1.67	3.96	155.13	1.98	3.17	154.65	2.96	7.32	153.76	3.93	3.70	153.76	1.19
10/16/00	5.44	154.22	4.33	4.52	154.57	3.58	6.99	150.83	2.89	4.50	156.58	3.93	4.91	152.55	3.51
11/13/00	5.51	154.15	1.71	4.81	154.28	2.19	6.00	151.82	2.19	8.87	152.21	2.96	3.40	154.06	2.84
12/6/00	6.05	153.61	0.35	5.30	153.79	16.08*	5.43	152.39	15.24*	7.96	153.12	12.57*	4.91	152.55	3.72
1/8/01	6.00	153.66	2.51	NM	NM	NM	5.60	152.22	2.73	8.25	152.83	0.44	NM	NM	NM
2/19/01	9.31	150.35	1.22	NM	NM	NM	3.94	153.88	8.71	7.81	153.27	3.28	NM	NM	NM
3/28/01	4.16	155.50	17.42*	3.26	155.83	12.62*	2.55	155.27	10.86*	7.51	153.57	14.44*	3.41	154.05	NM
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/01	NG	NG	NM	3.85	155.24	0.85	3.36	154.46	1.89	7.59	153.49	1.19	4.11	153.35	2.63
6/20-6/21/01	4.59	155.07	1.30	3.94	155.15	0.61	3.41	154.41	3.35	8.21	152.87	0.66	4.31	153.15	2.11
7/30/01	NM	NM	NM	4.80	154.29	0.50	3.18	154.64	2.49	8.61	152.47	0.63	5.11	152.35	2.47
8/16/01	6.03	153.63	1.71	5.25	153.84	0.64	4.40	153.42	2.28	8.84	152.24	0.76	5.60	151.86	2.21
9/10/01	8.56	151.10	0.98	5.77	153.32	0.85	4.82	153.00	3.49	9.65	151.43	1.25	WNA	WNA	WNA
10/31/01	6.89	152.77	0.61	6.15	152.94	1.35	4.96	152.86	2.97	NM	NM	NM	5.89	151.57	2.12
11/29/01	9.76	149.90	0.73	6.56	152.53	0.43	5.67	152.15	1.47	9.84	151.24	0.71	4.87	152.59	1.09
12/13/01	8.01	151.65	0.41	6.80	152.29	0.52	6.85	150.97	1.88	10.27	150.81	NM	6.49	150.97	2.82
1/17/02	7.93	151.73	2.62	NM	NM	NM	6.47	151.35	1.26	9.55	151.53	0.76	6.11	151.35	2.13
2/21/02	7.58	152.08	1.92	6.91	152.18	0.70	6.04	151.78	1.19	9.77	151.31	0.41	6.17	151.29	1.86
3/20/02	NG	NG	NG	6.92	152.17	0.90	6.01	151.81	96.00	9.70	151.38	0.63	6.18	151.28	1.51
4/17/02	NG	NG	NG	6.35	152.74	1.48	NG	NG	NG	9.22	151.86	1.61	5.72	151.74	4.96
5/22/02	NG	NG	NG	4.64	154.45	0.85	NG	NG	NG	8.15	152.93	0.62	4.67	152.79	0.38
09/23&24/202	6.04	153.62	1.34	5.24	153.85	0.73	4.60	153.22	NM	8.60	152.48	1.97	5.24	152.22	0.47

	A-8S			A-16S			A-19S			A-20S			A-26S		
	TOC Elev. 157.86'			TOC Elev. 157.40'			TOC Elev. 159.04'			TOC Elev. 158.76'			TOC Elev. 154.94'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
6/28/00	8.65	149.21	NM	5.06	152.34	NM	5.83	153.21	NM	6.33	152.43	NM	2.04	152.90	NM
8/3/00	5.07	152.79	2.06	5.37	152.03	0.62	6.79	152.25	2.30	6.64	152.12	0.64	3.40	151.54	3.95
8/10/00	5.00	152.86	NM	5.29	152.11	NM	6.71	152.33	NM	6.52	152.24	NM	2.61	152.33	NM
8/31/00	5.25	152.61	3.90	5.57	151.83	1.74	6.89	152.15	3.33	6.82	151.94	4.55	2.55	152.39	8.19
9/21/00	5.35	152.51	4.59	5.69	151.71	2.48	7.11	151.93	2.37	6.92	151.84	4.38	3.09	151.85	3.47
10/16/00	5.67	152.19	4.49	5.95	151.45	4.81	7.48	151.56	5.36	7.32	151.44	4.66	3.41	151.53	3.78
11/13/00	5.65	152.21	3.36	5.92	151.48	8.19	7.39	151.65	7.29	7.22	151.54	5.29	3.90	151.04	2.91
12/6/00	6.16	151.70	11.84	6.26	151.14	6.81	7.72	151.32	5.54	7.62	151.14	8.33	3.91	151.03	2.99*
1/8/01	5.88	151.98	1.83	6.09	151.31	7.78	7.57	151.47	4.03	NM	NM	NM	3.50	151.44	0.81
2/19/01	5.30	152.56	2.34	5.50	151.90	4.90	6.96	152.18	6.41	NM	NM	NM	NM	NM	NM
3/28/01	4.71	153.15	21.61*	5.01	152.39	NM	6.38	152.66	NM	6.18	152.58	NM	2.75	152.19	20.48*
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/01	5.30	152.56	1.93	5.62	151.78	1.33	7.05	152.09	1.42	6.79	151.97	0.93	3.00	151.94	1.79
6/20-6/21/01	5.32	152.54	1.70	5.60	151.80	1.95	7.09	151.95	1.01	6.93	151.83	0.58	3.71	151.23	0.53
7/30/01	6.00	151.86	1.16	6.19	151.21	1.70	7.67	151.37	0.83	7.45	151.31	0.57	3.63	151.31	0.69
8/16/01	6.28	151.58	0.94	6.43	150.97	1.96	7.94	151.10	0.71	7.79	150.97	0.39	3.90	151.04	0.45
9/10/01	6.65	151.21	0.83	6.75	150.65	2.00	8.26	150.78	0.77	8.01	150.75	0.84	4.30	150.64	0.59
10/31/01	6.70	151.16	0.47	6.86	150.54	2.36	8.35	150.69	0.48	8.14	150.62	0.68	4.20	150.74	0.44
11/29/01	6.94	150.92	0.66	7.09	150.31	4.65	8.60	150.44	2.56	8.34	150.42	1.17	NM	NM	NM
12/13/01	7.15	150.71	NM	7.13	150.27	2.48	8.68	150.36	1.67	8.35	150.41	NM	4.64	150.30	0.55
1/17/02	6.89	150.97	0.89	7.05	150.35	5.95	8.53	150.51	2.98	8.28	150.48	1.20	4.40	150.54	0.61
2/21/02	6.97	150.89	75.00	7.07	150.33	5.86	8.52	150.52	2.57	8.24	150.52	1.26	4.43	150.51	1.10
3/20/02	6.99	150.87	0.37	7.08	150.32	3.28	8.55	150.49	1.71	8.30	150.46	0.57	4.40	150.54	0.39
4/17/02	6.54	151.32	1.42	6.71	150.69	4.21	8.22	150.82	1.59	7.94	150.82	1.58	3.93	151.01	1.19
5/22/02	5.50	152.36	1.02	5.70	151.70	3.62	7.15	151.89	1.78	6.93	151.83	1.47	3.16	151.78	1.81
09/23&24/2002	6.06	151.80	0.63	6.31	151.09	1.64	7.76	151.28	0.36	7.55	151.21	0.28	3.68	151.26	0.35

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, IT Corporation did not collect prior to this date.
NG = Well not ganged because dumpster was positioned over it.
NM = Not Measured.
WNA = Well Not Accessible at time of gauging.
All dissolved oxygen measurements are in mg/l.
* = DO measurement incorrect due to malfunctioning meter.

TABLE 4 (Continued)
FORMER FLAGSHIP HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	A-27S			A-39S			A-40S			A-41S			A-42S			A-43S			A-44S		
	TOC Elev. 157.74'			TOC Elev. 159.51			TOC Elev. 161.03'			TOC Elev. 160.64'			TOC Elev. 159.40'			TOC Elev. 157.89'			TOC Elev. 155.33'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
6/28/00	4.35	153.39	NM	6.75	152.76	NM	7.81	153.22	NM	7.94	152.70	NM	7.05	152.35	NM	4.75	153.14	NM	2.72	152.61	NM
8/3/00	5.27	152.47	1.00	7.05	152.46	5.78	7.88	153.15	0.48	7.71	152.93	0.54	7.88	151.52	0.47	5.77	152.12	2.15	4.32	151.01	1.88
8/10/00	5.20	152.54	NM	6.96	152.55	NM	7.66	153.37	NM	7.61	153.03	NM	7.60	151.80	NM	4.66	153.23	NM	4.30	151.03	NM
8/31/00	5.32	152.42	2.90	7.23	152.28	7.28	8.55	152.48	2.31	8.09	152.55	9.36	6.98	152.42	2.04	5.07	152.82	2.11	NG	NG	WNA
9/21/00	4.83	152.91	2.99	7.47	152.04	6.18	6.75	154.28	3.59	7.37	153.27	7.36	5.43	153.97	2.68	4.64	153.25	3.18	NG	NG	WNA
10/16/00	5.43	152.31	3.43	7.58	151.93	7.57	7.22	153.81	2.89	7.90	152.74	9.26	6.27	153.13	3.81	5.52	152.37	3.38	4.83	150.50	3.59
11/13/00	5.19	152.55	3.38	7.62	151.89	9.32	7.54	153.49	2.58	8.02	152.62	3.53	5.77	153.63	2.67	4.81	153.08	2.49	4.83	150.5	3.05
12/6/00	5.78	151.96	4.17*	6.02	153.49	5.26	8.37	152.66	4.08	8.43	152.21	12.17*	6.86	152.54	4.47*	5.67	152.22	12.23*	5.04	150.29	2.56
1/8/01	5.55	152.19	1.09	7.81	151.70	7.47	NM	NM	NM	8.10	152.54	1.79	NM	NM	NM	NM	NM	NM	NM	NM	NM
2/19/01	5.01	152.73	8.53	7.20	152.31	3.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
3/28/01	4.50	153.24	17.84*	6.70	152.81	NM	7.24	153.79	NM	7.60	153.04	15.18*	5.62	153.78	15.19*	4.20	153.66	16.00*	3.89	151.44	NM
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
5/16/01	5.05	152.69	0.94	7.41	152.10	3.86	7.70	153.33	0.54	NG	NG	NM	6.01	153.39	0.60	4.76	153.10	0.93	4.49	150.84	0.93
6/20-6/21/01	5.24	152.50	0.69	7.36	152.15	4.99	8.35	152.68	0.71	8.00	152.64	0.58	7.10	152.30	0.82	5.22	152.64	1.10	4.52	150.81	0.55
7/30/01	6.04	151.70	0.73	7.97	151.54	4.39	8.76	152.27	0.53	8.58	152.06	0.78	7.63	151.77	0.65	5.86	152.03	1.08	4.97	150.36	1.01
8/16/01	6.33	151.41	0.98	8.24	151.27	2.09	9.60	151.43	0.69	9.11	151.53	0.74	8.07	151.33	0.81	6.24	151.65	0.91	5.41	149.92	0.37
9/10/01	6.98	150.76	0.67	8.55	150.96	1.35	11.24	149.79	0.56	10.13	150.51	0.52	9.30	150.10	1.63	6.75	151.14	0.94	5.42	149.91	0.90
10/31/01	6.64	151.10	0.60	8.72	150.79	0.78	9.46	151.57	0.92	9.18	151.46	0.43	7.88	151.52	0.51	6.47	151.42	0.77	5.51	149.82	0.39
11/29/01	6.93	150.81	0.66	8.93	150.58	0.69	10.46	150.57	0.43	10.02	150.62	0.70	8.54	150.86	0.93	6.82	151.07	1.40	NM	NM	NM
12/13/01	7.28	150.46	0.16	8.96	150.55	NM	10.27	150.76	0.43	9.88	150.76	0.54	8.71	150.69	0.38	6.98	150.91	0.26	5.74	149.59	0.79
1/17/01	6.85	150.89	0.70	8.87	150.64	1.20	9.70	151.33	1.20	9.93	150.71	0.60	8.12	151.28	0.85	6.62	151.27	1.53	5.64	149.69	NM
2/21/02	6.89	150.85	1.14	8.88	150.63	0.97	9.81	151.22	0.19	9.51	151.13	0.72	8.12	151.28	0.50	6.78	151.11	0.42	5.65	149.68	NM
3/20/02	6.90	150.84	0.41	8.92	150.59	0.59	9.78	151.25	0.28	10.22	150.42	0.27	9.71	149.69	0.49	7.60	150.29	0.75	5.80	149.53	1.35
4/17/02	6.45	151.29	1.74	8.50	151.01	0.87	9.94	151.09	2.33	9.79	150.85	1.37	9.33	150.07	1.53	7.20	150.69	1.52	5.21	150.12	1.93
5/22/02	5.57	152.17	1.05	7.42	152.09	6.42	8.25	152.78	0.52	8.13	152.51	0.71	6.86	152.54	0.47	5.31	152.58	0.57	5.06	150.27	0.96
09/23&24/2002	6.06	151.68	0.39	8.07	151.44	1.84	9.43	151.60	0.21	9.62	151.02	0.43	8.78	150.62	0.41	6.67	151.22	0.51	4.94	150.39	0.84

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, IT Corporation did not collect prior to this date.
NG = Well not gauged because dumpster was positioned over it.
NM = Not Measured.
WNA = Well Not Accessible at time of gauging.
All dissolved oxygen measurements are in mg/l.
* = DO measurement incorrect due to malfunctioning meter.

TABLE 5
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS -MAY 22, 2002
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NOL W3-0837-00-06, NYSDEC SITE NO. 3-14-101

Field Parameters	NYSDEC Standard (1)	ME-19	MW-6	MW-8	MW-9	MW-10	MW-20	DUP A (A-42S)
pH	6.5-8.5	NS	NS	NS	NS	NS	NS	NS
Temperature (deg Celcius)	--	NS	NS	NS	NS	NS	NS	NS
Conductivity (umhos/cm)	--	NS	NS	NS	NS	NS	NS	NS
Turbidity (NTU)	5	NS	NS	NS	NS	NS	NS	NS
Dissolved Oxygen (ppm)	--	0.62	1.89	0.43	0.95	0.50	1.06	0.47
Volatile Organic Compound by ASP/CLP Method (ug/L)								
Vinyl Chloride	2	10U	10U	10U	10U	10U	10U	**110**
Chloroethane	5	10U	10U	10U	10U	10U	10U	**30J**
Acetone	--	10U	10U	10U	210J	10U	10U	10U
Carbon Disulfide	--	10U	10U	10U	32	3J	10U	10U
1,1-Dichloroethane	5	10U	10U	10U	7J	10U	10U	13
1,2-Dichloroethene, Total	5	10U	10U	10U	10U	10U	10U	19
MEK (2-Butanone)	50	10U	10U	10U	10	11J	10U	8J
Toluene	5	10U	10U	10U	2J	10U	10U	10
Ethylbenzene	5	10U	10U	10U	10J	10U	10U	3J
m & p Xylene	5	10U	10U	10U	8J	10U	10U	12
o Xylene	5	10U	10U	10U	10J	10U	10U	12
Tetrachloroethene	5	10U	10U	10U	74	43	10U	10U
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)								
Phenol	1 (3)	10U	10U	10U	93JD	150	10U	200U
2,4-Dimethylphenol	1 (3)	10U	10U	10U	200U	21U	10U	200U
4-Methylphenol	1 (3)	10U	10U	10U	62J	170D	10U	200U
Naphthalene	--	10U	10U	10U	340D	8JD	10U	200U
Phenanthrene	50	10U	10U	10U	200U	21U	10U	200U
Pyrene	50	10U	10U	10U	200U	21U	10U	200U
Fluoranthene	50	10U	10U	10U	200U	21U	10U	200U
Chrysene	0.002	10U	10U	10U	200U	21U	10U	200U
2-Methylnaphthalene	--	10U	10U	10U	61JD	21U	10U	38J
Diethyl phthalate	50	10U	10U	10U	200U	21U	10U	200U
Butyl benzyl phthalate	50	10U	10U	10U	200U	21U	10U	200U
Di-n-butyl phthalate	50	10U	10U	10U	44J	3J	10U	200U
Di-n-octyl phthalate	50	10UJ	10UJ	10UJ	220UR	21U	10UJ	200UJ
Bis (2-ethylhexyl) phthalate	50	10U	10U	10U	220UR	21U	10U	200U

Notes:

Only compounds detected at one or more sampling locations are listed.

BOLD values indicate detections above NYSDEC Standards or Guidance Values.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, J

(3) = The collective sum of all phenol compounds should not exceed 1 ug/l.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

NS = Not Sampled.

TABLE 5 (Continued)
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS -MAY 22, 2002
FORMER IBM SHALLOW WELLS
ORDER ON CONSENT NO. W3-0837-00-06, NYSDEC SITE NO. 3-14-101

Field Parameters	NYSDEC Standard (1)	A-26S	A-27S	A-41S	A-42S	A-43S
pH	6.5-8.5	NS	NS	NS	NS	NS
Temperature (deg Celcius)	--	NS	NS	NS	NS	NS
Conductivity (umhos/cm)	--	NS	NS	NS	NS	NS
Turbidity (NTU)	5	NS	NS	NS	NS	NS
Dissolved Oxygen (ppm)	--	1.81	1.05	0.71	0.47	0.57
Volatile Organic Compound by ASP/CLP Method (ug/L)						
Vinyl Chloride	2	10U	10U	NS	**130**	10U
Chloroethane	5	10U	10U	NS	**42J**	10U
1,1-Dichloroethane	5	**17**	10U	NS	**11**	4J
1,2-Dichloroethene, Total	5	10U	**10**	NS	**21**	10U
Toluene	5	10U	10U	NS	**10**	10U
Ethylbenzene	5	10U	10U	NS	3J	10U
Xylenes, Total	5	10U	10U	NS	**26**	10U
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)						
4-Methylphenol	1	10U	10U	NS	**27J**	10UR
2,4-Dimethylphenol	5	10U	10U	NS	200U	10UR
Naphthalene	--	10U	6J	NS	1300D	10UJ
4-Chloroaniline	--	10U	10U	NS	200U	10UJ
bis-2-Ethylhexyl phthalate	5	10U	10U	NS	200U	10UJ
2-Methylnaphthalene	--	10U	10U	NS	39JD	10UJ
Di-n-octyl phthalate	--	10UJ	10U	NS	200UJ	10UJ

Notes:

Only compounds detected at one or more sampling locations are listed.

BOLD values indicate detections above NYSDEC Standards or Guidance Values.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a seeondary dilution factor.

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	ME-12						ME-13					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Trichloroethene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Tetrachloroethene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Toluene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	9U	9U	9U	9U	10UR

Volatile Organic	NYSDEC	ME-12			ME-13		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	NS	NS	5U	NS	NS
1,1,1-Trichloroethane	5	5U	NS	NS	5U	NS	NS
Trichloroethene	5	5U	NS	NS	5U	NS	NS
Tetrachloroethene	5	5U	NS	NS	5U	NS	NS
Toluene	5	5U	NS	NS	5U	NS	NS
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	10U	NS	NS	10U	NS	NS

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	ME-14						ME-15					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/6/00	3/29/01	6/20/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	**1J**	**6J**	**2J**	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	**0.7J**	9UJ	9U	10U	10U

Volatile Organic	NYSDEC	ME-14			ME-15		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	NS	NS	5U	NS	NS
1,1,1-Trichloroethane	5	5U	NS	NS	5U	NS	NS
Trichloroethene	5	5U	NS	NS	5U	NS	NS
Tetrachloroethene	5	5U	NS	NS	5U	NS	NS
Toluene	5	5U	NS	NS	5U	NS	NS
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	10U	NS	NS	10U	NS	NS

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	ME-16						ME-18					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	**6J**	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	10U	50U	10U	47U	10U	**11**	**5J**	9U	10U	9U	10U

Volatile Organic	NYSDEC	ME-16			ME-18		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	NS	NS	5U	NS	NS
1,1,1-Trichloroethane	5	5U	NS	NS	5U	NS	NS
Trichloroethene	5	5U	NS	NS	5U	NS	NS
Tetrachloroethene	5	5U	NS	NS	5U	NS	NS
Toluene	5	5U	NS	NS	5U	NS	NS
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	10U	NS	NS	10U	NS	NS

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	ME-19						MW-1					
Compounds of Concern	Standard (1)	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01	5/20/99	6/28/00	9/21/00	12/6/00	3/29/01	6/20/01
1,1-Dichloroethane	5	**11**	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	**3J**	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic Compound of Concern													
Naphthalene	10	**30**	9U	**1J**	10U	**6J**	**10U**	10U	9U	9U	10U	9U	10U

Volatile Organic	NYSDEC	ME-19			MW-1		
Compounds of Concern	Standard (1)	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	10U	10U	5U	NS	NS
1,1,1-Trichloroethane	5	5U	10U	10U	5U	NS	NS
Trichloroethene	5	5U	10U	10U	5U	NS	NS
Tetrachloroethene	5	5U	10U	10U	5U	NS	NS
Toluene	5	5U	10U	10U	5U	NS	NS
Semi-Volatile Organic Compound of Concern							
Naphthalene	10	**2J**	10U	10U	10U	NS	NS

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	MW-2						MW-6					
Compounds of Concern	Standard (1)	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	**4J**	**5J**	**18**	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	10U	10U	**39**	**10**	9U	10U	10U	10U

Volatile Organic	NYSDEC	MW-2			MW-6		
Compounds of Concern	Standard (1)	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	NS	NS	5U	10U	10U
1,1,1-Trichloroethane	5	5U	NS	NS	5U	10U	10U
Trichloroethene	5	5U	NS	NS	5U	10U	10U
Tetrachloroethene	5	5U	NS	NS	5U	**10**	10U
Toluene	5	5U	NS	NS	5U	10U	10U
Semi-Volatile Organic Compound of Concern							
Naphthalene	10	10U	NS	NS	10U	**40**	10U

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	MW-7A						MW-8					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	**1J**	**2J**	**2J**	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	10U	**3J**	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	**7J**	9U	9U	10U	10U

Volatile Organic	NYSDEC	MW-7A			MW-8		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	NS	NS	**2J**	10U	10U
1,1,1-Trichloroethane	5	5U	NS	NS	5U	10U	10U
Trichloroethene	5	5U	NS	NS	5U	10U	10U
Tetrachloroethene	5	5U	NS	NS	5U	10U	10U
Toluene	5	5U	NS	NS	5U	10U	10U
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	**1J**	NS	NS	10U	10U	10U

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	MW-9						MW-10					
Compounds of Concern	Standard (1)	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01
1,1-Dichloroethane	5	**530**	**99**	**170J**	**160J**	**20J**	**210**	**61**	**39J**	**8J**	**5J**	**10J**	**11**
1,1,1-Trichloroethane	5	**150**	**24**	**45J**	**25J**	200U	**61**	**29**	40U	40U	40U	**5J**	25U
Trichloroethene	5	10U	**2J**	200U	200U	200U	25U	**13J**	40U	40U	40U	40U	25U
Tetrachloroethene	5	**490**	**56D**	**680**	**260**	**210**	**340**	**250**	40U	**36J**	**52**	**44**	**53**
Toluene	5	40U	**9J**	**25J**	200U	200U	**30**	10U	40U	40U	10U	40U	**3J**
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	**1100D**	**710D**	**9600D**	**2200D**	**1000D**	**3300UR**	**19**	**88**	**140**	**410**	52U	**3200J**

Volatile Organic	NYSDEC	MW-9			MW-10		
Compounds of Concern	Standard (1)	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	**190**	200U	**7J**	**27**	**7J**	10U
1,1,1-Trichloroethane	5	**27**	200U	10U	**1J**	**4J**	10U
Trichloroethene	5	5U	200U	10U	25U	10U	10U
Tetrachloroethene	5	**240**	**280**	**74**	**97**	**74**	**43**
Toluene	5	**22**	200U	2J	**5**	10U	10U
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	**1200**	**170**	**340D**	**430**	**55**	**8JD**

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

NI = Monitoring well not installed as of this date.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	MW-20						DG-1					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/7/00	3/28/01	6/20/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	NI	**57**	9U	10U	9U	10U	10U	9U	9U	9U	9U	10U

Volatile Organic	NYSDEC	MW-20			DG-1		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	10U	10U	5U	NS	NS
1,1,1-Trichloroethane	5	5U	10U	10U	5U	NS	NS
Trichloroethene	5	5U	10U	10U	5U	NS	NS
Tetrachloroethene	5	5U	10U	10U	5U	NS	NS
Toluene	5	5U	10U	10U	5U	NS	NS
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	10U	10U	10U	10U	NS	NS

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	Septic Tank/Sanitary Sewer						A-8S					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/6/00	3/29/01	6/20/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01
1,1-Dichloroethane	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Trichloroethene	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Toluene	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	NS	9UR	10U	10U	10U	NI	9U	9UJ	9U	9U	10U

Volatile Organic	NYSDEC	Septic Tank/Sanitary Sewer			A-8S		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	NS	NS	5U	NS	NS
1,1,1-Trichloroethane	5	5U	NS	NS	5U	NS	NS
Trichloroethene	5	5U	NS	NS	5U	NS	NS
Tetrachloroethene	5	5U	NS	NS	5U	NS	NS
Toluene	5	5U	NS	NS	5U	NS	NS
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	10U	NS	NS	10U	NS	NS

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero

D = Indentifies all compounds in analysis at a secondary dilution factor.

R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	A-26S						A-27S					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/7/00	3/28/01	6/20/01	5/20/99	6/28/00	9/21/00	12/7/00	3/28/01	6/20/01
1,1-Dichloroethane	5	NI	**14**	**16**	**17**	**14**	**17**	NI	**2J**	**3J**	**4J**	**4J**	**3J**
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	NI	9U	9UJ	10U	10U	10U	NI	**83D**	**1J**	**18**	**23**	**40U**

Volatile Organic	NYSDEC	A-26S			A-27S		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	**16**	**14**	**17**	5U	**2J**	10U
1,1,1-Trichloroethane	5	5U	10U	10U	5U	10U	10U
Trichloroethene	5	5U	10U	10U	5U	10U	10U
Tetrachloroethene	5	5U	10U	10U	5U	10U	10U
Toluene	5	5U	10U	10U	5U	10U	10U
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	10U	12U	10U	**9J**	**4J**	**6J**

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

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R =Data unusable (compound may or may not be present)

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	A-41S						A-42S					
Compounds of Concern	Standard (1)	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01	5/20/99	6/28/00	9/21/00	12/7/00	3/28/01	6/20/01
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	NI	40U	**11**	**16J**	**4J**	**2J**
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	NI	40U	10U	40U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	NI	40U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	NI	40U	10U	40U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	NI	**8J**	**22**	**15J**	**2J**	**4J**
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	NI	10U	9UJ	10U	9U	10U	NI	**760D**	**1200D**	**1100D**	**550**	**770**

Volatile Organic	NYSDEC	A-41S			A-42S		
Compounds of Concern	Standard (1)	9/10/01	1/17/02	5/22/02	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	5U	NS	NS	**11**	**21**	**11**
1,1,1-Trichloroethane	5	5U	NS	NS	5U	10U	10U
Trichloroethene	5	5U	NS	NS	5U	10U	10U
Tetrachloroethene	5	5U	NS	NS	5U	10U	10U
Toluene	5	5U	NS	NS	**8**	**10J**	**10**
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	10U	NS	NS	**480**	**1200**	**1300D**

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

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J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

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R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

TABLE 6
SUMMARY OF HISTORICAL WATER QUALITY RESULTS
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	NYSDEC	A-43S					
Compounds of Concern	**Standard (1)**	5/20/99	6/28/00	9/21/00	12/7/00	3/28/01	6/20/01
1,1-Dichloroethane	5	NI	**2J**	**1J**	**1J**	**2J**	5U
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	NI	9U	9UJ	10U	10U	10U

Volatile Organic	NYSDEC	A-43S		
Compounds of Concern	**Standard (1)**	9/10/01	1/17/02	5/22/02
1,1-Dichloroethane	5	**2J**	**3J**	**4J**
1,1,1-Trichloroethane	5	5U	10U	10U
Trichloroethene	5	5U	10U	10U
Tetrachloroethene	5	5U	10U	10U
Toluene	5	5U	10U	10U
Semi-Volatile Organic				
Compound of Concern				
Naphthalene	10	10U	10U	**10UJ**

Notes:

Compounds of concern were noted in the Interim Remedial Measures Work Plan, June 7, 1999.

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

(1) = NYSDEC Standards has taken from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

U = Indicates compound was analyzed for but not detected.

J = Indicates estimated value which is less than the sample quantitation limit but greater than zero.

D = Indentifies all compounds in analysis at a secondary dilution factor.

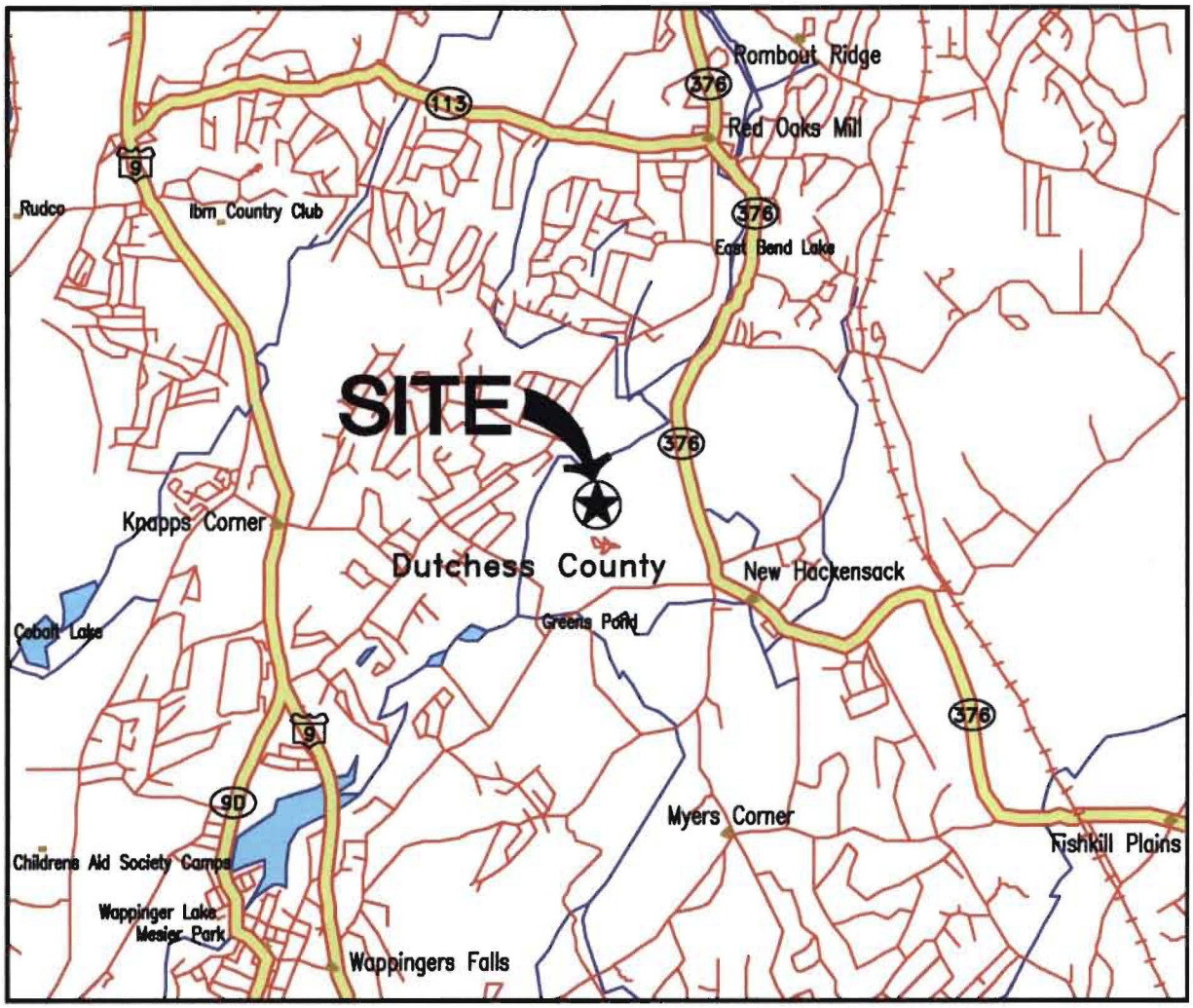
R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALB	S. SHKOLNIK 10-23-02			820131A2



SCALE 1:62,500

N

REFERENCE:
MAP FROM DELORME'S MAP EXPERT,
FREEPORT, MAINE.

Shaw E & I, Inc.

FLAGSHIP
AIRLINES, INC.
(DBA AMERICAN EAGLE)

FIGURE 1

SITE LOCATION MAP
DUTCHESS COUNTY AIRPORT
WAPPINGER FALLS, NEW YORK

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY	OFFICE	X-REF	IMAGE
820131D37			S. SHKOLNIK 10-23-02	ALBANY, NY	---	---

Image:
Xref:

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Plot Date/Time: 10/23/02 05:42pm
Format Revised: 11/23/99

N

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

ME-13
ME-15
ME-17
ME-16
ME-14
ME-12
ME-11
ME-18
ME-19
A-39S
A-8S
A-16S
A-19S
A-27S
A-44S
A-41S
A-20S
A-40S
A-26S
A-42S
A-43S
MW-3
MW-2
MW-6
MW-9
MW-10
MW-7A
MW-5
MW-20
MW-4
MW-8
MW-1
PZ-1
DG-1
EW-4
EW-5
EW-7
EW-2
EW-1
EW-6
EW-3
SP-6
SP-7
SP-2
SP-3
SP-4
SP-5
ST-1
UP

LEGEND:

- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)

SCALE
0 20 40 80 FEET

REFERENCE:
BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

Shaw
Shaw E & I, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 2
WELL LOCATION MAP
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER 820131D35
APPROVED BY
CHECKED BY
DRAWN BY SSH/SL/DMC 08-02-02
OFFICE ALBANY, NY
X-REF ---
IMAGE ---

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

PROPERTY LINE (APPROXIMATE)

ME-13 NM
ME-15 NM
ME-16 154.45
ME-17 154.4
ME-14 153.84
ME-18 NM
ME-19 152.93
A-39S 152.09
A-8S 152.36
A-16S 151.70
A-19S 151.89
A-20S 151.83
A-27S 152.17
A-44S 150.27
A-41S 152.51
A-40S 152.78
A-26S 151.78
A-42S 152.54
A-43S 152.58
DG-1 152.73
MW-1 153.11
MW-2 153.91
MW-3
MW-4
MW-5
MW-6 153.75
MW-7A 153.88
MW-8 152.65
MW-9 153.84
MW-10 153.89
MW-20 153.18
PZ-1 152.79
EW-1
EW-2
EW-3
EW-4
EW-5
EW-6
EW-7
SP-1
SP-2
SP-3
SP-4
SP-5
SP-6
SP-7
ME-11
ME-12 153.67

153.0
153.4
153.8
154.4
150.6
151.0
151.4
151.8
152.2
152.6

UP
UP
UP

LEGEND:

- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- GROUNDWATER CONTOUR IN FEET (DASHED WHERE INFERRED)

NM NOT MESURED

SCALE 0 20 40 60 FEET

REFERENCE:
BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

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Plot Date/Time: 10/23/02 03:51pm
Format Revised: 11/23/99

Shaw E & I, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 3
GROUNDWATER CONTOUR MAP

MAY 22, 2002
WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER	820131D31
APPROVED BY	
CHECKED BY	
DRAWN BY	SSH/SL/DMC 08-01-02
OFFICE	ALBANY, NY
X-REF	---
IMAGE	---

TARMAC

FORMER IBM HANGER FACILITY

FORMER FLAGSHIP HANGER FACILITY

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

ME-13, ME-15, ME-17, ME-16, ME-14, ME-19, ME-18, ME-11, ME-12

MW-3, MW-2, MW-9, MW-6, MW-7A, MW-5, MW-10, MW-20, MW-4, MW-8, MW-1

A-39S, A-8S, A-16S, A-19S, A-41S, A-40S, A-27S, A-20S, A-44S, A-26S, A-42S, A-43S

DC-1, EW-4, SP-6, EW-5, SP-7, EW-2, SP-3, EW-7, SP-2, EW-1, ST-1, EW-6, SP-5, SP-4, EW-3, PZ-1

UP

A-27S	
5/22/02	
ND	
ND	
ND	
ND	
ND	
6 J	

A-26S	
5/22/02	
17	
ND	
ND	
ND	
ND	
ND	
ND	

ME-19	
5/22/02	
ND	
ND	
ND	
ND	
ND	
ND	
ND	

A-42S	
5/22/02	
11	
ND	
ND	
ND	
10	
1,300 D	

MW-20	
5/22/02	
ND	
ND	
ND	
ND	
ND	
ND	

MW-8	
5/22/02	
ND	
ND	
ND	
ND	
ND	
ND	

MW-9	
5/22/02	
7 J	
ND	
ND	
74	
ND	
340	

MW-6	
5/22/02	
ND	
ND	
ND	
10	
ND	
ND	

MW-10	
5/22/02	
ND	
ND	
ND	
43	
ND	
8 JD	

A-43S	
5/22/02	
4 J	
ND	
ND	
ND	
ND	
ND	

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)

MW-9	WELL ID	ND	NOT DETECTED
5/22/02	DATE	D	SAMPLE DILUTED
7 J	DCA	J	ESTIMATED CONCENTRATION
ND	1,1,1-TCA		
ND	TCE		
74	PCE		
ND	TOLUENE		
340	NAPHTHALENE		

SCALE 0 20 40 80 FEET

REFERENCE:

BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

L:\project\820131\820131d31.dwg
Plot Date/Time: 10/24/02 04:37pm
Format Revised: 11/23/99

Shaw™
Shaw E & I, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 4
ANALYTICAL SUMMARY MAP

MAY 22, 2002
WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER	820131D32
APPROVED BY	
CHECKED BY	
DRAWN BY	S. SHKOLNIK 08-01-02
OFFICE	ALBANY, NY
X-REF	---
IMAGE	---

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

TREATMENT COMPOUND

AIRPORT COUNTY MAINT. GARAGE

SERVICE ROAD / GRIFFITH ROAD

ME-13
ME-15
ME-17
ME-16
ME-14
EW-5
SP-7
MW-3
MW-2
EW-7
SP-2
EW-2
ME-11
SP-3
ME-12
MW-9
340
MW-6
10U
ST-1
EW-1
MW-10
8JD
MW-7A
MW-5
ME-18
A-39S
A-8S
A-16S
DG-1
A-19S
A-41S
A-27S
6J
A-44S
A-20S
EW-4
SP-6
A-40S
10U
MW-20
10U
ME-19
10 U
EW-6
SP-5
MW-4
UP
MW-8
10U
A-26S
10U
A-42S
1,300D
1000 ug/l
100 ug/l
A-43S
10U
PZ-1
SP-4
EW-3
MW-1
10 ug/l
100 ug/l
UP
UP
UP

LEGEND:

SHALLOW WELL	EXTRACTION WELL	D	SAMPLE DILUTED
BEDROCK WELL	PROPERTY LINE (APPROXIMATE)	U	NON-DETECT
SPARGE WELL	NAPHTHALENE ISOCHRON (DASHED WHERE INFERRED)	J	ESTIMATED CONCENTRATION

SCALE
0 20 40 60 FEET

REFERENCE:
BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

L:\project\820131\820131D32.dwg
Plot Date/Time: 10/23/02 02:34pm
Format Revised: 11/23/99

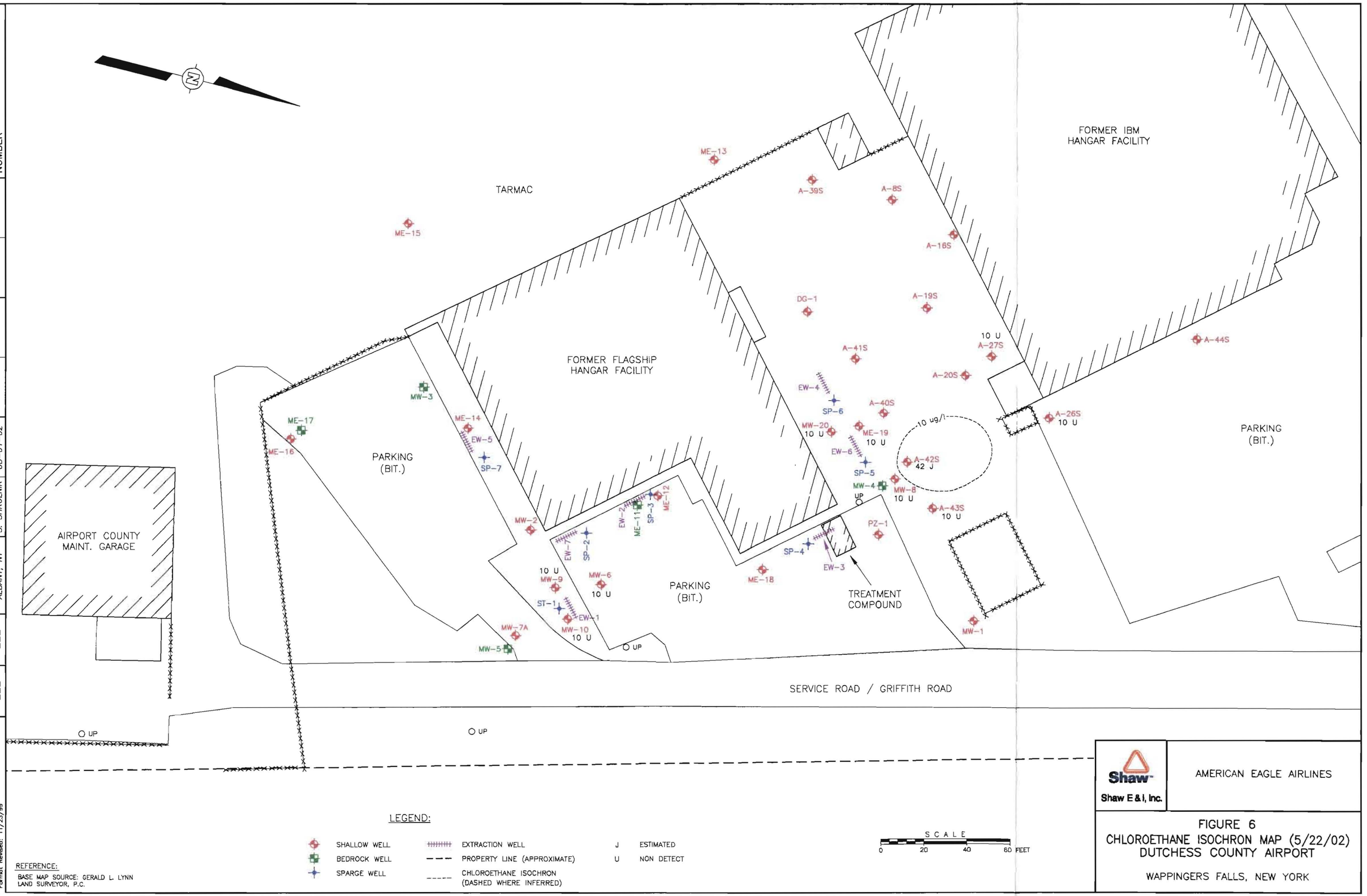
Shaw
Shaw E & I, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 5
NAPHTHALENE ISOCHRON MAP (5/22/02)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALBANY, NY	S. SHKOLNIK 08-01-02			820131D33



REFERENCE:
BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

L:\project\820131\820131D33.dwg
Plot Date/Time: 10/24/02 04:06pm
Format Revised: 11/23/99

Shaw
Shaw E & I, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 6
CHLOROETHANE ISOCHRON MAP (5/22/02)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER	APPROVED BY	CHECKED BY	DRAWN BY
820131D34			S. SHKOLNIK 08-01-02

IMAGE	X-REF	OFFICE
---	---	ALBANY, NY

N

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

ME-13
ME-15
ME-17
ME-16
ME-14
ME-11
ME-12
ME-18
ME-19
A-39S
A-8S
A-16S
A-19S
A-44S
A-41S
A-27S
10
A-20S
A-40S
A-26S
10U
A-42S
21
A-43S
10U
MW-3
MW-2
MW-5
MW-7A
MW-9
10U
MW-10
10U
MW-6
10U
MW-20
10U
MW-4
UP
MW-8
10U
MW-1
10U
PZ-1
DG-1
EW-4
EW-5
EW-7
EW-2
EW-1
EW-6
EW-3
SP-7
SP-2
SP-3
SP-6
SP-5
SP-4
ST-1
10 ug/l
UP
UP
UP

LEGEND:

- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- 1,2-DICHLOROETHENE ISOCHRON (DASHED WHERE INFERRED)
- U NON-DETECT
- J ESTIMATED CONCENTRATION

SCALE
0 20 40 60 FEET

REFERENCE:
BASE MAP SOURCE: GERALD L. LYNN LAND SURVEYOR, P.C.

L:\project\820131\820131D34.dwg
Plot Date/Time: 10/23/02 01:26pm
Format Revised: 11/23/99

Shaw
Shaw E & I, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 7
1,2-DICHLOROETHENE ISOCHRON MAP (5/22/02)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

Figure 8
Dissolved Tetrachloroethene (PCE), MW-9 & MW-10

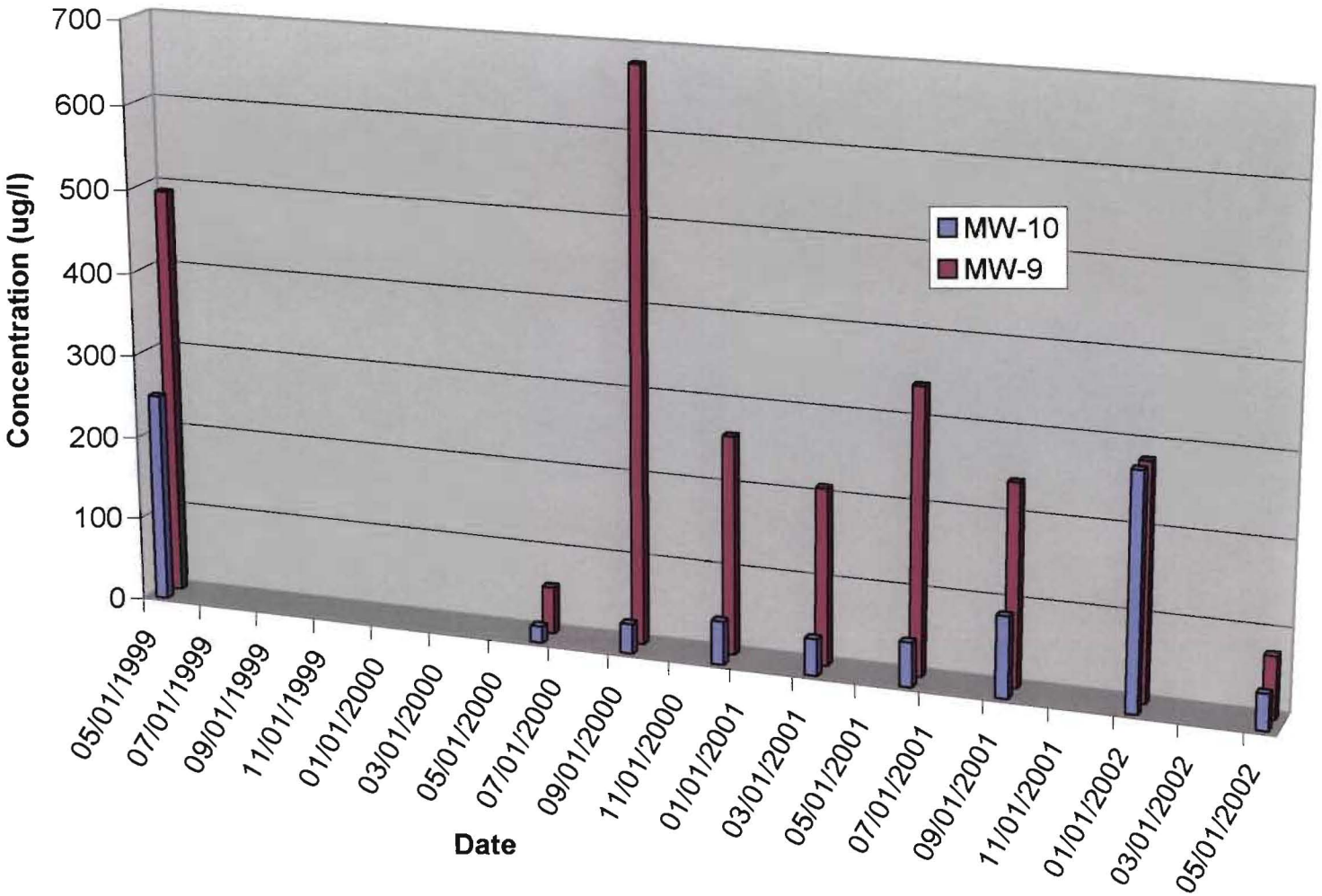


Figure 9
Dissolved 1,1-Dichloroethane Trends, MW-9, MW-10 & A-42S

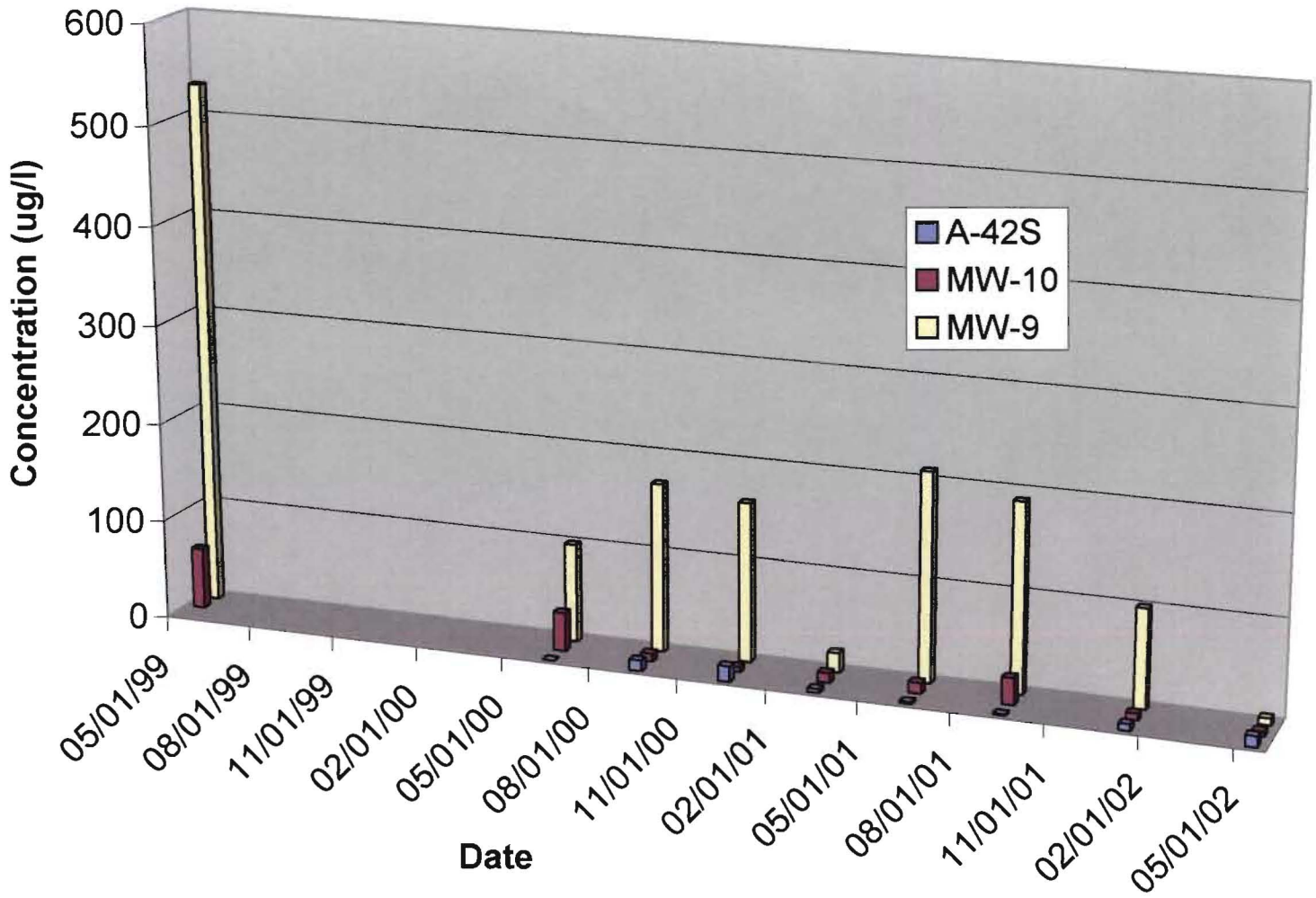
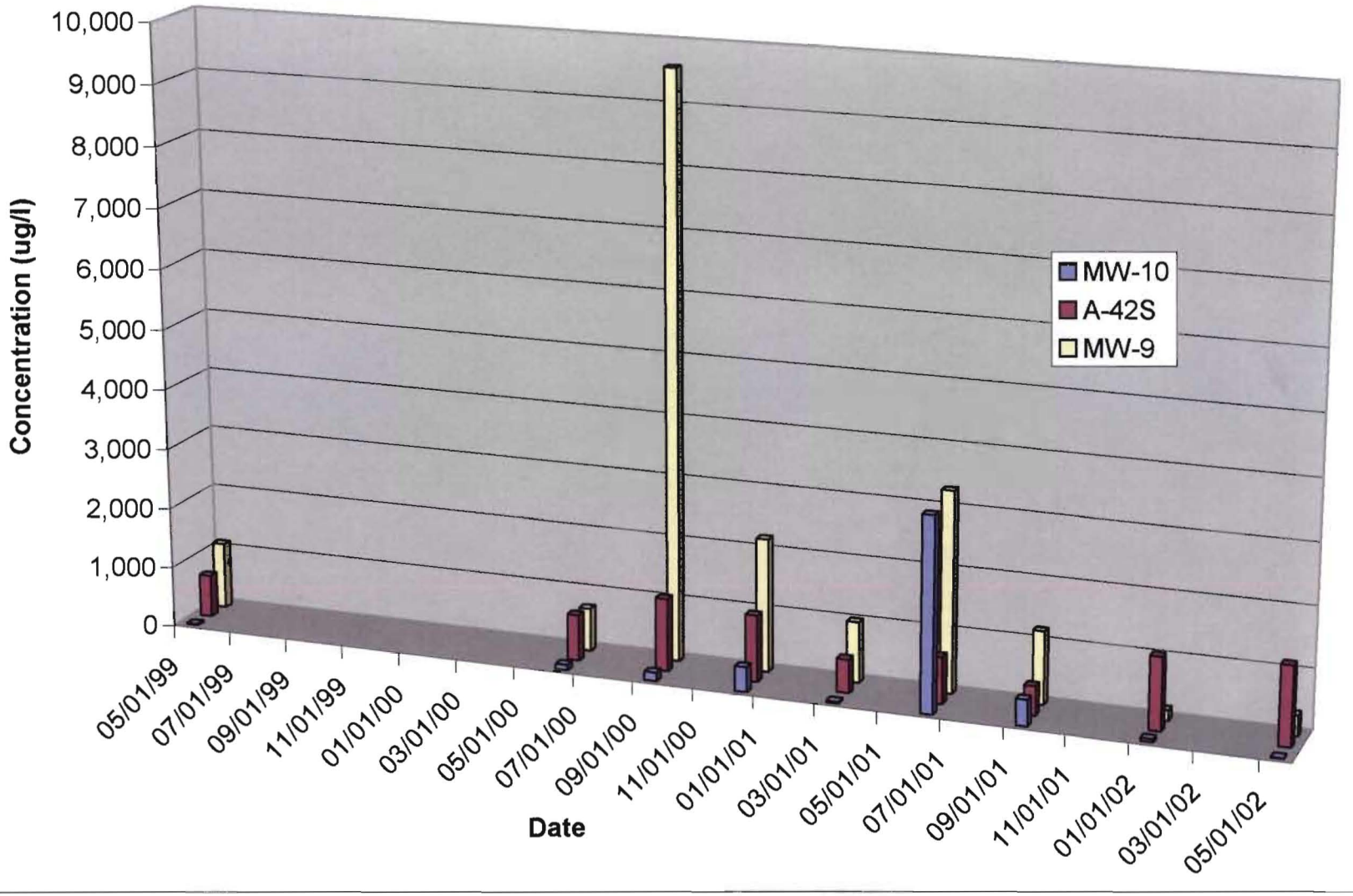


Figure 10
Dissolved Naphthalene Trends, MW-9, MW-10 & A-42S



APPENDIX A

ANALYTICAL RESULTS – SVE SYSTEM
(MAY 22, 2002)

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

Route To: Brian Neumann

JUN 1

REPORT DATE 5/29/02

SHAW ENV. & INFRASTRUCTURE
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110
ATTN: BRIAN NEUMANN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-63717
JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: FLAGSHIP POUGHKEEPSIE, NY

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
S.E. NORTH LEG	02B12703	AIR	NOT SPECIFIED	air special test
S.E. SOUTH LEG	02B12701	AIR	NOT SPECIFIED	air special test
S.I. NORTH LEG	02B12702	AIR	NOT SPECIFIED	air special test
S.I. SOUTH LEG	02B12700	AIR	NOT SPECIFIED	air special test

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033
MASSACHUSETTS MA0100	NEW HAMPSHIRE 2516
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036
NEW YORK ELAP 10899	RHODE ISLAND (LIC. No. 112)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 5/29/02

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Edward Denson
Technical Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028
413.525.2332
413.525.6405 (fax)

RESULTS FOR METHOD TO-14A

Lab ID Number: 02B12700
Client ID Number:S.I. SOUTH LEG

LIMS Number: 63717
Date Analyzed: 5/28/02
Analyst: HHM

Analyte:	Sample Results PPBv	Sample Results UG/M3	MDL PPBv	MDL UG/M3
1,1-Dichloroethene	ND	ND	0.5	2.0
1,1,1-Trichloroethane	ND	ND	0.5	2.7
Trichloroethene	ND	ND	0.5	2.7
Tetrachloroethene	6.2	42.0	0.5	3.4
Toluene	18	122.1	0.5	1.9
Naphthalene	86	452	2.6	14

Surrogate Recovery (4-Bromofluorobenzene) 106 %

MDL = Minimum Detectable Limit
ND = Not Detected
PPBv = Parts Per Billion By Volume

Method: TO-14A (Modified), Naphthalene calculated from MADEP APH (Modified)

Sampled into a Summa Canister. Analyzed by GCMS.

con-test® ANALYTICAL LABORATORY
39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028
413.525.2332
413.525.6405 (fax)

RESULTS FOR METHOD TO-14A

Lab ID Number: 02B12701
Client ID Number:S.E. SOUTH LEG

LIMS Number: 63717
Date Analyzed: 5/28/02
Analyst: HHM

Analyte:	Sample Results PPBv	Sample Results UG/M3	MDL PPBv	MDL UG/M3
1,1-Dichloroethene	ND	ND	0.5	2.0
1,1,1-Trichloroethane	ND	ND	0.5	2.7
Trichloroethene	0.55	3.0	0.5	2.7
Tetrachloroethene	ND	ND	0.5	3.4
Toluene	1.3	8.8	0.5	1.9
Naphthalene	ND	ND	2.6	14

Surrogate Recovery (4-Bromofluorobenzene) 94 %

MDL = Minimum Detectable Limit
ND = Not Detected
PPBv = Parts Per Billion By Volume

Method: TO-14A (Modified), Naphthalene calculated from MADEP APH (Modified)

Sampled into a Summa Canister. Analyzed by GCMS.

con-test® ANALYTICAL LABORATORY
39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028
413.525.2332
413.525.6405 (fax)

RESULTS FOR METHOD TO-14A

Lab ID Number: 02B12702
Client ID Number:S.I. NORTH LEG

LIMS Number: 63717
Date Analyzed: 5/28/02
Analyst: HHM

Analyte:	Sample Results PPBv	Sample Results UG/M3	MDL PPBv	MDL UG/M3
1,1-Dichloroethene	ND	ND	0.5	2.0
1,1,1-Trichloroethane	ND	ND	0.5	2.7
Trichloroethene	ND	ND	0.5	2.7
Tetrachloroethene	7.9	53.6	0.5	3.4
Toluene	15	101.7	0.5	1.9
Naphthalene	109	573	2.6	14

Surrogate Recovery (4-Bromofluorobenzene) 105 %

MDL = Minimum Detectable Limit
ND = Not Detected
PPBv = Parts Per Billion By Volume

Method: TO-14A (Modified), Naphthalene calculated from MADEP APH (Modified)

Sampled into a Summa Canister. Analyzed by GCMS.

con-test® ANALYTICAL LABORATORY
39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028
413.525.2332
413.525.6405 (fax)

RESULTS FOR METHOD TO-14A

Lab ID Number: 02B12703
Client ID Number:S.E. NORTH LEG

LIMS Number: 63717
Date Analyzed: 5/28/02
Analyst: HHM

Analyte:	Sample Results PPBv	Sample Results UG/M3	MDL PPBv	MDL UG/M3
1,1-Dichloroethene	ND	ND	0.5	2.0
1,1,1-Trichloroethane	ND	ND	0.5	2.7
Trichloroethene	1.0	5.4	0.5	2.7
Tetrachloroethene	ND	ND	0.5	3.4
Toluene	2.8	19.0	0.5	1.9
Naphthalene	ND	ND	2.6	14

Surrogate Recovery (4-Bromofluorobenzene) 94 %

MDL = Minimum Detectable Limit
ND = Not Detected
PPBv = Parts Per Billion By Volume

Method: TO-14A (Modified), Naphthalene calculated from MADEP APH (Modified)

Sampled into a Summa Canister. Analyzed by GCMS.

con-test® ANALYTICAL LABORATORY
(413) 525-2332
FAX (413) 525-6405

CHAIN OF CUSTODY RECORD

39 SPRUCE ST. • 2ND FLOOR • EAST LONGMEADOW, MA 01028

Client Name: SHAD Environmental & Infrastructure
Attn: Brian Neumann
Address: 13 British American Blvd.
Latham, NY 12110
Site Location: Flagship Poughkeepsie, NY
Sampled By: B. Hyde
Call Results: Yes ___ No X
Fax OR Email Results: Fax#: 518-783-8397
Telephone: ___
Batch #: ___
Project #: ___
Client P.O. #: ___
Email Format: ___.pdf format ___.xls format
Email Address: ___

LIMS63717

Total # of Containers submitted with this chain: ___

Field Sample I.D.	Sample Description	Lab #	DATE SAMPLED Start Date/Time	DATE SAMPLED Stop Date/Time	Composite	Grab	MATRIX: WASTE WATER	MATRIX: GROUND WATER	MATRIX: DKG WATER	MATRIX: Soil	MATRIX: Air	MATRIX: *Other	Preservative (Use Code)	Container (Use Code)	Analysis Required: TO-14 Site Specific	- Trichloroethene	Tetrachloroethene	Toluene	1,1 - Dichloroethene	1,1,1-Trichloroethane	Naphthalene
	SUE Influent Southbay	02812700	5-22 10:00	5-22 12:00	X						X			O	X	+	+	+	+	+	+
	SUE Effluent Southbay	12701	5-22 10:00	5-22 12:00	X						X			O	X	+	+	+	+	+	+
	SUE Influent Northbay	12702	5-22 12:00	5-22 14:00	X						X			O	X	+	+	+	+	+	+
	SUE Effluent Northbay	12703	5-22 12:00	5-22 14:00	X						X			O	X	+	+	+	+	+	+

CONTAINER CODE
P: PLASTIC (___ Size) V = 40 ml vial G = Glass (___ size) A = 1000 ml Amber O = Other ✓

PRESERVATIVE CODE:
I = ICED N = HNO_3 H = HCl S = NaOH T = $Na_2S_2O_3$ O = OTHER ___

Relinquished by: (Signature)	Date Time	Received by: (Signature)
	5/22/02 18:30	5/23/02
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received by: (Signature)

If this section is not filled out, Con-Test will analyze at normal turnaround.
Turnaround Requested: ___ 24-Hour ___ 48-Hour ___ Normal
___ Other ___ Date Required

Remarks/Comments: 2 hr Composite. Each Summa 28" Hg @ 1000

*MATRIX OTHER ___

Detection Limit Requests:
Regulations?
SIMS: ___ Yes ___ No

APPENDIX B

VALIDATED ANALYTICAL RESULTS – GROUNDWATER
(MAY 22, 2002)

VALIDATA

Chemical Services, Inc.

4070 Balleycastle Lane, Duluth, GA 30097

(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

7/25/02

IT Corporation
13 British American Blvd.
Latham, NY 12110
Attn: Anthony Peretta

Dear Mr. Peretta:

Please find enclosed data validation report and qualified Form I's for Flagship Project / Dutchess County Airport SDG L88574 .

Please call Kevin Harmon or myself at (770) 232-0130 if you have any questions. We are pleased to be of service to IT Corporation.

Sincerely,

Jean M. Delashmit
Quality Control Manager

VALIDATA

Chemical Services, Inc.

4070 Baileycastle Lane, Duluth, GA 30097

DATA VALIDATION SUMMARY
REPORT

COMPANY:	IT Corporation
SITE NAME:	Flagship Project / Dutchess County Airport, Poughkeepsie, NY
LAB ID NUMBER:	L88574
CONTRACTED LAB:	Friend Laboratory, Inc.
FLI JOB NUMBER:	L82618
QA/QC LEVEL:	EPA Level IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; USEPA Region II, SOP HW-6, Rev. 11
SAMPLE MATRIX:	Water
TYPES OF ANALYSES:	Volatile Organics, Semivolatile Organics
SDG NUMBER:	L88574 (Level IV)

OVERVIEW

SAMPLES:

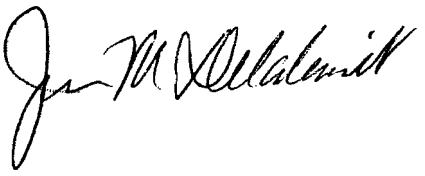
Client Sample #	Lab Sample #	Matrix	Volatile Organics	Semi-volatiles
A-27S	L88574-2	Water	X	X
A-43S	L88574-3	Water	X	X
A-43SDL	L88574-3DL	Water		X
A-42S	L88574-4	Water	X	X
MW-8	L88574-7	Water	X	X
ME-19	L88574-8	Water	X	X
MW-20	L88574-9	Water	X	X
MW-6	L88574-10	Water	X	X
MW-9	L88574-11	Water	X	X
MW-9RE	L88574-11RE	Water	X	
MW-9DL	L88574-11DL	Water		X
MW-10	L88574-12	Water	X	X
MW-10DL	L88574-12DL	Water		X
BLIND DUP	L88574-13	Water	X	X
BLIND DUPDL	L88574-13DL	Water		X
A-26S	L88574-17	Water	X	X
TRIP BLANK	L88574-14	Water	X	
RINSATE BLANK	L88574-15	Water	X	
HOLDING BLANK	L88574-16	Water	X	

Client Sample #	Lab Sample #	Matrix	Volatile Organics	Semi-volatiles
A-42SMS	L88574-5MS	Water	X	X
A-42SMSD	L88574-6MSD	Water	X	X

Note: Samples BLIND DUP and A-42S were field duplicates.

Suffix Codes: DL = DILUTION, DUP = FIELD DUPLICATE, MS = MATRIX DUPLICATE, MSD = MATRIX SPIKE DUPLICATE, RE = REANALYSIS

DATA REVIEWERS: Marvin L. Smith, Jean M. Delashmit

RELEASE SIGNATURE: 

Data Qualifier Definitions

J	-	The associated numerical value is an estimated quantity.
JN	-	The compound/analyte was tentatively identified with estimated concentration.
R	-	The data are unusable (the compound/analyte may or may not be present). Resampling and reanalysis are necessary for verification.
U	-	The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ	-	The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

DATA QUALIFICATION SUMMARY

Friend Laboratory, Inc. - CLP Organics

SAMPLES: A-27S, A-43S, A-42S, MW-8, ME-19, MW-20, MW-6, MW-9, MW-10, BLIND DUP, A-26S, TRIP BLANK, RINSATE BLANK, HOLDING BLANK

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Volatile Organics were performed by GC / MS using NYCDEC 95-1.

II.) Overall Assessment of Data:

Several Tentatively Identified Compounds (TICs) were rejected because of suspected laboratory contaminations/artifacts. All other laboratory data were acceptable with qualifications.

MAJOR ISSUES

No major problems were observed in this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No action was taken.

II.) GC / MS Tuning:

All GC / MS Tuning criteria were met. No action was necessary.

III.) Calibration:

Initial Calibration:

The Percent Relative Standard Deviations (%RSDs) for 2-butanone (31.6%) and chloroethane (34.3%) in the standards analyzed on 5/25/02 on instrument M exceeded the 30% QC limits. All detections of these two compounds in all SDG samples, except MW-9RE, were qualified as estimated (J).

The Percent Relative Standard Deviations (%RSDs) for acetone (39.7%) and chloroethane (35.3%) in the standards analyzed on 6/24/02 on instrument M exceeded the 30% QC limits. Any detections of these two compounds in sample MW-9RE were qualified as estimated (J).

Continuing Calibration:

All Continuing Calibration criteria were met. No action was necessary.

IV.) Blanks:

Method Blanks:

Methylene chloride and bromomethane were detected at 11 ug/L and 8 ug/L in method blank VBLKF1. All results for methylene chloride were qualified using the holding blank, and there were no detections of bromomethane in the associated samples. No further action was taken.

Methylene chloride, acetone and bromomethane were detected at 5 ug/L, 4ug/L and 9 ug/L, respectively, in method blank VBLKF2. All results for methylene chloride and acetone were qualified using the holding and trip blanks. There were no detections of bromomethane in the associated samples. No further action was necessary.

Rinse Blank:

Acetone was detected at 11 ug/L in the rinse blank. All detections of acetone in the SDG samples were qualified using the trip blank. No further action was required.

Holding Blank:

Methylene chloride was detected at 8 ug/L in HOLDING BLANK. All results for this compound in the SDG samples less than 10X the blank amount were qualified as undetected (U), with results below the CRQL being raised to the CRQL.

Trip Blank:

Acetone was detected at 17 ug/L in the trip blank. All detections of acetone in the SDG samples less than 10X the blank amount were qualified as undetected (U), with results below the CRQL being raised to the CRQL.

Tentatively Identified Compounds (TIC):

Hexane was detected in the rinse and trip blanks. All detections of hexane in the SDG samples' TIC analyses, which were less than 10X the blank amounts, were qualified as unusable (R). Several aromatic and unknown aromatic derivatives were identified in several samples. These derivatives and unknowns in the samples were also qualified as unusable (R).

V.) Surrogate Recoveries:

The Percent Recovery (%R) of 1,2-dichloroethane was 133% in sample MW-9, which exceeded the 76-114% QC limits. All positive results in the sample were qualified as estimated (J). In addition, the %R's of 1,2-dichloroethane (126%) and 4-bromofluorobenzene (116%) exceeded their respective 76-114% and 86-115% QC limits. All positive results in sample MW-9RE were qualified as estimated (J).

VI.) Laboratory Control Samples (LCS):

Three LCS samples were analyzed with this fraction of the SDG. All LCS Recovery criteria were met. No action was taken.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recoveries (%R's) exceeded the QC limits for spiked samples A-42SMD and A-42SMSD for the following compounds:

Compound	MS, %R	MSD, %R	QC Limits
benzene	144	140	76-127%
trichloroethene	144	140	71-120%
toluene	144	140	76-125%
chlorobenzene	144	140	75-130%

Data qualification based on MS / MSD criteria was not required. No action was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (A-42S / BLIND DUP) was analyzed in this SDG. The calculable Relative Percent Difference (RPD) was:

Compound	A-42S, ug/L	BLIND DUP, ug/L	RPD
vinyl chloride	130	110	17%
chloroethane	42	30	33%
cis-1,2-dichloroethene	11	13	17%
trans-1,2-dichloroethane	12	19	45%
toluene	10	10	0%
total xylenes	26	24	8.0%

All RPDs were within the 50% QC limit for water samples. No action was necessary.

IX.) Internal Standards Performance (ISTD):

All ISTD criteria were met. No action was required.

X.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was necessary.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

The detection of acetone in sample MW-9 was near the upper calibration range. The sample was reanalyzed (MW-9RE) with the result for acetone slightly above the upper calibration range. The result for acetone in the reanalysis was qualified as estimated (J). Dilution analysis was not performed. No further action was necessary.

XII.) System Performance:

All System Performance criteria were met. No action was taken.

SEMIVOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for Semivolatile Organics were performed by GC / MS according to NYCDEC 95-2.

II.) Overall Assessment of Data:

Several non-detect results in samples A-43S and A-43SRE were rejected because of a very low surrogate recoveries (less than 10%) in both samples. In addition, several non-detect results in samples A-42S, MW-10, MW-10DL, MW-9 and MW-9DL were rejected because of very low (less than 25%) ISTD recoveries. All other laboratory data were acceptable with qualifications.

MAJOR ISSUES

I.) Surrogate Revoveries:

The Percent Recoveries (%Rs) were below the QC limits for the following samples:

Sample	Surrogate	%R	QC Limit
A-43SRE	terphenyl-d14	19	33-141%
	2-fluorophenol	16	21-110%
	2,4,6-tribromophenol	7	10-123%
	2-chlorophenol	17	33-110%
A-43S	terphenyl-d14	18	33-141%
	2-fluorophenol	19	21-110%
	2,4,6-tribromophenol	6	10-123%
	2-chlorophenol	33	33-110%
A-42S	2-fluorobiphenyl	38	43-116%
MW-10	2-fluorobiphenyl	18	43-116%

All positive results in samples A-43S and A-43SRE were qualified as estimated and all non-detects in the acid fraction were rejected (R) because of very low %R's. Since only one surrogate was outside the QC limits in the other two samples, no further action eas required.

II.) Internal Standards Performance (ISTD):

The Percent Recoveries (%Rs) were below the 50-200% QC limits for the following samples:

Sample	Internal Standard	%R
A-42S	acenaphthene-d10	206
	perylene-d12	46
MW-10	acenaphthene-d10	213
	perylene-d12	20
MW-10DL	acenaphthene-d10	43
	perylene-d12	15
MW-9	acenaphthene-d10	217
	perylene-d12	15
MW-9DL	perylene-d12	18

Results for compounds quantitated on the two ISTDs in sample A-42S were flagged as eatimated (J) and (UJ). All positive results for compounds quantitated using these out of range ISTDs in samples MW-10, MW-10DL, MW-9 and MW-9DL were qualified as estimated (J) and non-detects quanitiated on perylene-d12 were rejected (R) since this ISTD was below 25%..

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No action was taken.

II.) GC / MS Tuning:

All GC / MS Tuning criteria were met. No action was necessary.

III.) Calibration:

Initial Calibration:

The Percent Relative Standard Deviation (%RSD) for di-n-octylphthalate was 35.1% in the standards analyzed on 5/30/02 on instrument M, which exceeded the 30% QC limit. All positive results for this compound in the original analysis samples were qualified as estimated (J).

The Percent Relative Standard Deviations (%RSDs) for pentachlorophenol (34.2%) and benzo(g,h,i)perylene (31.4%) in the standards analyzed on 6/5/02 on instrument M exceeded the 30% QC limit. All positive results for these compounds in the dilution analysis samples were qualified as estimated (J).

Continuing Calibration:

The Percent Difference (%D) for di-n-octylphthalate was 29.8% for the standard analyzed on 5/29/02 at 09:43 on instrument M, which exceeded the 25% QC limit. All positive and non-detect results for this compound in the associated samples were qualified as estimated (J) and (UJ). The associated samlples

were MW-8, ME-19, MW-20, MW-6 and A-26S.

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 5/30/02 at 11:17 on instrument M for the following compounds:

dibenzo(a,h)anthracene	26.6%
benzo(g,h,i)perylene	35.6%

All positive and non-detect results for these two compounds in associated sample A-43S were qualified as estimated (J) and (UJ).

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 6/5/02 at 16:13 on instrument M for the following compounds:

pentachlorophenol	29.4%
di-n-octylphthalate	37.4%
indeno(1,2,3-cd)pyrene	33.5%
dibenzo(a,h)anthracene	26.3%
benzo(g,h,i)perylene	396%

All positive and non-detect results for these five compounds in all dilution samples were qualified as estimated (J) and (UJ) unless previously rejected.

IV.) Blanks:

Bis(2-ethylhexyl)phthalate was detected at 1 ug/L inmethod blank SBLK4. All detections of this compound in the SDG samples, which were less than 10X the blank amount after correction of dilutions, were qualified as undetected (U) with results below the CRQL being raised to the CRQL.

Tentatively Identified Compounds (TIC

TICs were not detected in the method blank. No action was taken. Several benzene isomers and aromatic derivatives were observed in the SDG samples. In addition, unknowns were observed in the rinse blanks. All aromatic isomers, aromatic derivatives and unknowns in the SDG samples were qualified as unusable (R).

V.) Surrogate Recoveries:

Please refer to the Major Issies Section for data qualifications required.

VI.) Laboratory Control Samples (LCS):

One LCS sample was analyzed in this fraction of the SDG. All LCS Recovery criteria were met. No data qualifiers were applied.

VII.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

The Percent Recoveries (%R's) exceeded the QC limits for spiked samples A-42SMD and A-42SMSD

for the following compounds:

Compound	MS, %R	MSD, %R	QC Limits
n-nitrosodi-n-propylamine		8	41-116%
1,2,4-trichlorobenzene		122	39-98%
4-chloro-3-methylphenol		101	23-97%
acenaphthene	36	32	46-118%
pentachlorophenol	91-103%		

In addition, the Relative Percent Difference (RPD) for n-nitrosodi-n-propylamine (138%) exceeded the 38% QC limit. Data qualification based on MS / MSD criteria was not required. No action was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (A-42S / BLIND DUP) was analyzed in this SDG. The calculable Relative Percent Difference (RPD) were:

Compound	A-42S, ug/L	BLIND DUP, ug/L	RPD
naphthalene	370	480	26%
2-methylnaphthalene	28	27	3.5%

The RPDs were within the 50% QC limit for water samples. No action was necessary.

IX.) Internal Standards Performance (ISTD):

X.) TCL Compound Identification:

All TCL Compound Identification criteria were met. No action was required.

XI.) Compound Quantitation and Reported Contract Required Quantitation Limits (CRQL):

Several compounds in samples A-43S, MW-9, MW-10 and BLIND DUP exceeded the linear calibration range. All results for these compound in the original analyses were qualified as estimated (J). These samples were reanalyzed at dilutions with all criteria met. No further action was required.

XII.) System Performance:

All System Performance criteria were met. No action was taken.

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A-27S

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-2

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C7409.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/30/02

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10 2	J U eak 6/21/02
156-59-2	cis-1,2-Dichloroethene	10	✓
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U
95-47-6	o-Xylene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-2

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C7409

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/30/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) µg/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown Hydrocarbon	21.76	13	J
2.		↓	21.84	6	J
3.	000527-84-4	1-methyl-2-(1-methylethyl) benzene	22.24	10	~~J~~ N
4.	000175 8-88-9	Benzene, 2-ethyl-1,4-dimethyl	22.39	14	~~J~~ N
5.	000933-98-2	Benzene, 1-ethyl-2,3-dimethyl	22.83	9	~~J~~ N
6.	000 488-23-3	Benzene, 1,2,3,4-Tetramethyl	22.89	8	~~J~~ N
7.	000824-22-6	1H-Indene, 2,3-dihydro-4	23.39	17	J, N
8.					
9.					
10.					
11.					DMS
12.					7-14-0
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1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A-43S

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-3

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2634.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/28/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND			Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane	10	8	JB U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride	10	8	JB U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		4	J
156-59-2	cis-1,2-Dichloroethene		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	MEK (2-Butanone)		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	U
108-10-1	MIBK (4-Methyl-2-pentanone)		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
106-42-3/108-38-3	p-Xylene/m-Xylene		10	U
95-47-6	o-Xylene		10	U

NS
7-14-02

1 E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L98574-3

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2634

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/28/2 CPW

GC Column: _____ ID: _____ (mm) Dilution Factor: _____ 6/17/02

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/l

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown hydrocarbon	1.74	24.41	J
2.	"	4.44	9	J, B
3. 000110-54-3	Hexane	4.77	26	~~J, B~~ R
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5.				
6.			ms	
7.			7-14-02	
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6/17/02

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A-42S

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-4

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C7414.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/30/02

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	130		✓
75-00-3	Chloroethane	42	J	✓
75-09-2	Methylene Chloride	10 ~~8~~	~~B~~ U	ear 6/21/02
67-64-1	Acetone	16	~~B~~ U	✓
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	11		✓
156-59-2	cis-1,2-Dichloroethene	21		✓
156-60-5	trans-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	MEK (2-Butanone)	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10		✓
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	3	J	✓
100-42-5	Styrene	10	U	
106-42-3/108-38-3	p-Xylene/m-Xylene	14		✓
95-47-6	o-Xylene	12		✓

MS
7-14-02

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L8 8574-4

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C 7414

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/30/02

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:

Number TICs found: _____ (µg/L or µg/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.		Unknown Hydrocarbon	2.44	~~425~~ 420	J	
2.	000611-14-3	Benzene, 1-ethyl-2-methyl	20.17	23	J,N	R
3.	000095-36-3	1,2,4-Trimethyl benzene	20.88	~~116~~ 120	J,N	R
4.	000526-73-8	Benzene, 1,2,3-trimethyl	21.49	270	J,N	R
5.		Unknown Hydrocarbon	21.76	~~468~~ 470	J	
6.	001758-88-9	Benzene, 2ethyl-1,4 dimethyl	21.86	~~577~~ 580	J,N	R
7.		Unknown Hydrocarbon	22.01	42	J,N	
8.	001074-55-1	Benzene, 1-methyl-4-propyl	22.10	~~164~~ 160	J,N	
9.	000099-87-6	Benzene, 1-methyl-4-(1methylethyl)	22.25	~~677~~ 680	J,N	R
10.	001758-88-9	Benzene, 2-ethyl-1,4 dimethyl	22.35	840	J,N	R
11.		Unknown Hydrocarbon	22.50	~~189~~ 190	J	
12.	000933-98-2	Benzene, 1ethyl-2,3 dimethyl-	22.72	~~224~~ 220	J,N	R
13.	000095-93-2	Benzene, 1,2,4,5-tetramethyl	22.84	480	J,N	R
14.		Unknown Hydrocarbon	22.90	~~867~~ 870	J	
15.	000874-35-1	1H-Indene, 2,3 dihydro 5methyl	23.21	350	J,N	R
16.	062039-89-6	Benzene, 2-ethenyl-1,4-dimethyl	23.39	~~923~~ 920	J,N	R
17.	065051-83-4	Benzene, (1-methyl-2-cyclopropen1)	23.59	56	J,N	
18.	054120-62-6	Benzene, ethyl-1,2,4 trimethyl	23.80	94	J,N	R
19.		Unknown Hydrocarbon	23.94	54	J,N	
20.	000275-51-4	~~Azulene~~ Azulene	24.18	~~829~~ 830	J,N	
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22.						
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MS
7-14-02

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-8

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-7

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2635.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. Date Analyzed: 05/28/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND			Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane	10	~~1~~	~~J~~B U ✓
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride	10	~~5~~	~~J~~B U ✓
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	MEK (2-Butanone)		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
124-48-1	Dibromochloromethane		10	U
79-00-5	1,1,2-Trichloroethane		10	U
71-43-2	Benzene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
75-25-2	Bromoform		10	U
108-10-1	MIBK (4-Methyl-2-pentanone)		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
106-42-3/108-38-3	p-Xylene/m-Xylene		10	U
95-47-6	o-Xylene		10	U

MS
7-14-02

1 E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-7

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2635

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/28/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CPW 6/17/02

CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L

Number TICs found: _____

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown ~~hydrocarbon~~	1.85	7	J
2.	↓	4.44	8	~~J,B~~ R
3. 000110-54-3	Hexane	4.76	27	~~J,B,N~~ R
4.				
5.				
6.				
7.			MA	
8.			7-14-02	
9.				
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6/17/02

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

ME-19

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-8

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2636.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/28/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 5	JB U
67-64-1	Acetone	10 5	JB U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U
95-47-6	o-Xylene	10	U

TAS
7-14-02

1 E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-8

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2636

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/28/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/L

Number TICs found: 2

CPW 6/17/02

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown ~~Hydrocarbon~~	4.43	8	J, B
2. 000110-54-3	Hexane	4.74	24	J, B, R
3.				
4.				
5.			ND	
6.			7-14-02	
7.				
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6/17/02

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-20

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-9

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2637.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. Date Analyzed: 05/28/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10 6	JB U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 6	JB U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U
95-47-6	o-Xylene	10	U

7-14-02

1 E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-9

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2637

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/28/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL) CLW 6/7/02

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/L

Number TICs found: _____

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	1.74	23	J
2. 000110 54 3	Hexane	4.75	20	J,NJ,BR
3.				
4.				
5.			NS	
6.			7-14-02	
7.				
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6/17/02

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-6

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2638.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/28/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U
95-47-6	o-Xylene	10	U

1 C

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-10

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F 7638

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/28/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CPW 6/17/02

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/L

Number TICs found: _____

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown ~~hydrocarbon~~	1.75	20	J
2. 000110-54-3	Hexane	4.75	17	~~B, A, J~~ R
3.				
4.				
5.				
6.				
7.				
8.				
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MS 7-14-02

6/17/02

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2859.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 06/14/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	12	~~B~~ U	✓
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10 7	~~JB~~ U	✓
67-64-1	Acetone	190	~~B~~	COR 6/21/02
75-15-0	Carbon Disulfide	31		✓
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	8	J	✓
156-59-2	cis-1,2-Dichloroethene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	MEK (2-Butanone)	10	J	✓
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	79		✓
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	9	J	✓
100-42-5	Styrene	10	U	
106-42-3/108-38-3	p-Xylene/m-Xylene	7	J	✓
95-47-6	o-Xylene	9	J	✓

MS
7-16-02

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L8574-11

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2859

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 6/14/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

Number TICs found: ~~8~~ (7)

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/l

B. CC. 6/19

CPW 6/19/02

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 526-73-8	1,2,3-Trimethyl benzene	17.84	~~160~~	~~J,N~~ R
2. 95-36-3	1,2,4-Trimethyl benzene	18.71	730	~~J,N~~
3. ~~141-93-5~~ ~~135-01-3~~	1,3-diethyl benzene	19.11	720	~~J,N~~
4. 1074-43-7	1-methyl 3-propyl benzene	19.18	880	~~J,N~~
5. 527-84-4	1-methyl-2-(1-methylethyl)Benzene	19.34	2000	~~J,N~~
6. ~~135-01-3~~	~~1,2-diethyl benzene~~ (tentative)	19.53	140	~~J,N~~
7. 1074-17-5	1-methyl-2-propyl benzene	19.69	520	~~J,N~~ R
8. ~~934-80-5~~	~~4-ethyl-1,2-dimethyl-benzene~~	~~19.90~~	~~1100~~	~~J,N~~
9. ~~99-87-6~~	~~1-methyl-4-(1-methylethyl) benzene~~	~~19.96~~	~~1200~~	~~J,N~~
10.				
11.				
12.	~~unknown Hydrocarbon~~	~~19.53~~	~~140~~	~~J~~
13. 135-01-3	1,2-diethyl benzene	19.53	140	~~NJ~~ R
14.				
15.			MS	
16.			7-14-02	
17.				
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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9 RE

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-11

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2860.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 06/14/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	17	~~B~~ U ✓
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	16	~~B~~ U ✓
67-64-1	Acetone	210	~~EB~~ J eak 6/21/02
75-15-0	Carbon Disulfide	32	✓
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	7	J ✓
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	✓
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	74	✓
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	2	J ✓
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	J ✓
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	8	J ✓
95-47-6	o-Xylene	10	J ✓

and
6-14-02

VOLATILE ORGANICS ANALYSIS DATA SHEET - Confirmation
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-11

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2860

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 6/14/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

Number TICs found: 7

CONCENTRATION UNITS:
(µg/L or µg/Kg) ~~µg/l~~

CPW 6/19/02

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-63-6	1,2,4-trimethyl benzene	17.86	160	J,N
2. 526-73-8	1,2,3-trimethyl benzene	18.73	750	J,N
3. 141-93-5	1,3-diethyl benzene	19.13	740	J,N
4. 1074-43-7	1-methyl-3-propyl-benzene	19.20	920	J,N
5. 934-74-7	1-ethyl-3,5-dimethyl benzene	19.36	2000	J,N
6. 135-01-3	1,2-diethyl benzene	19.56	150	J,N
7. 135-98-8	(1-methyl propyl)-benzene	19.71	530	J,N
8. ~~934-80-5~~	~~4-ethyl-1,2-dimethyl-benzene~~	~~19.96~~	~~1400~~	~~J,N~~
9. ~~99-87-6~~	~~1-methyl-4-(1-methylethyl) benzene~~	~~19.98~~	~~1200~~	~~J,N~~
10.				
11.			NS	
12.			7-14-02	
13.				
14.				
15.				
16.				
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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-10

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-12

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C7410.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/30/02

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	U	
67-64-1	Acetone	100	~~B~~ U	✓
75-15-0	Carbon Disulfide	3	J	✓
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	MEK (2-Butanone)	11	J	✓
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	MIBK (4-Methyl-2-pentanone)	~~10~~ 2	~~U~~ J	EAR 6/21/02
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	43		✓
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U	
95-47-6	o-Xylene	10	U	

MS
7-14-02

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L 88579-12

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C7410

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/30/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/L

Number TICs found: _____

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000108-67-8	Benzene, 1,3,5-Trimethyl	20.88	6	J, n
2.	0000 95-36-3	1,2,4-Trimethyl benzene	21.49	25	J, n
3.		unknown hydrocarbon	21.76	3.3	J
4.	000 1758-88-9	2-ethyl-1,4-dimethyl Benzene	21.85	68	J, n
5.		unknown hydrocarbon	21.99	6	J
6.	000 135-98-8	(1-methyl propyl) Benzene	22.10	20	J, n
7.	0000 99-87-6	1-methyl-4-(1-methyl ethyl) Benzene	22.24	61	J, n
8.	000 934-80-5	4-ethyl-1,2-dimethyl benzene	22.34	98	J, n
9.		unknown hydrocarbon	22.50	23	J
10.	000 933-98-2	1-ethyl-2,3-dimethyl-Benzene	22.72	34	J, n
11.	0000 95-93-2	1,2,4,5-tetramethyl benzene	22.83	60	J, n
12.	0000 95-93-2	1,2,4,5-tetramethyl benzene	22.89	180	J, n
13.	000 824-22-6	1H-Indene, 2,3-dihydro-4-methyl	23.20	19	J, n
14.		unknown hydrocarbon	23.29	11	J
15.		↓	23.38	120	J
16.	0054 120-62-6	ethyl-1,2,4-Trimethyl benzene	23.79	30	J, n
17.	00097 06-89-2	2,4-dimethyl-1-(1-methyl ethyl) Benzene	23.93	19	J, n
18.	0000 91-20-3	Naphthalene	24.17	9	J, n
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VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BLIND DUP

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-13

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C7417.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/30/02

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	110	✓
75-00-3	Chloroethane	30	J ✓
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10 7	JB U ✓
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	13	✓
156-59-2	cis-1,2-Dichloroethene	19	✓
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	8	J
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	✓
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	3	J ✓
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	12	✓
95-47-6	o-Xylene	12	✓

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MS 7-14-02

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-13

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C7415

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 6/30/02

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:
(µg/L or µg/Kg) ug/L

Number TICs found: _____

R18438 LC 6-13

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1.		Unknown Hydrocarbon	2.45	392	J	
2.	000095-63-6	Benzene, 1,2,4-trimethyl-	20.88	104	~~J,N~~	R
3.	000526-73-8	Benzene, 1,2,3-trimethyl-	21.49	260	~~J,N~~	
4.	000611-15-4	" , 1-ethenyl-2-methyl	21.76	435	~~J,N~~	
5.	000934-80-5	Benzene, 4-ethyl-1,2-dimethyl	21.84	492	~~J,N~~	
6.	000135-01-3	Benzene, 1,2 diethyl	22.06	38	~~J,N~~	
7.	001074-56-1	Benzene, 1-methyl-4-propyl	22.10	148	~~J,N~~	
8.	000099-87-6	Benzene, 1-methyl-4-(1-methylethyl)	22.25	596	~~J,N~~	
9.	001758-88-9	Benzene, 2-ethyl-1,4-dimethyl	22.35	794	~~J,N~~	
10.		Unknown Hydrocarbon	22.50	180	J	
11.	000527-84-4	Benzene, 1-methyl-2-(1-methylethyl)	22.72	201	~~J,N~~	R
12.	000095-93-2	Benzene, 1,2,4,5-tetramethyl	22.84	450	~~J,N~~	R
13.		Unknown Hydrocarbon	22.90	826	~~J~~	
14.	000824-22-6	1H-Indene, 2,3 dihydro 4-methyl	23.21	341	J,N	
15.	000874-35-1	1H-Indene, 2,3 dihydro-5-methyl	23.39	1036	J,N	
16.	065051-83-4	Benzene, (1-methyl-2-cyclopropyl-	23.60	164	J,N	
17.	000120-82-6	Benzene, ethyl-1,2,4 trimethyl	23.80	89	~~J,N~~	R
18.		Unknown Hydrocarbon	23.93	42	J	
19.		"	24.19	897	J	
20.	006682-71-9	1H-Indene, 2,3 dihydro-4,7-dimethyl	24.68	24	J,N	
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DMS 7-14-02

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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-14

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C7411.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. _____ Date Analyzed: 05/30/02

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	U	
67-64-1	Acetone	17	~~B~~	eaR 6/21/02
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	MEK (2-Butanone)	~~10~~	~~U~~	eaR 6/21/02
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	MIBK (4-Methyl-2-pentanone)	~~10~~	~~U~~	eaR 6/21/02
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U	
95-47-6	o-Xylene	10	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-14

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C 74 11

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/30/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICs found: _____

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown Hydrocarbon	2.45	~~338~~ 340	J
2.	000110-54-3	Hexane	7.41	6	J
3.	000124-13-0	Octanal	21.23	5	J
4.		Unknown Hydrocarbon	22.74	14	J
5.	000112-31-2	Decanal	23.95	14	J
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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

RINSATE

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-15

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C7413.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. Date Analyzed: 05/30/02

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	11	B
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U
95-47-6	o-Xylene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-15

Sample wt/vol: _____ (g/mL) _____ Lab File ID: C7413

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/30/02

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

CONCENTRATION UNITS:
(µg/L or µg/Kg) ug/L

Number TICs found: _____

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown Hydrocarbon	2.45	350	J,a
2.	000110-54-3	Hexane	7.42	5	J,NB
3.	000124-19-6	Nonanal	22.74	10	J,N
4.	000112-31-2	Decanal	23.95	12	J,NB
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1A NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-16

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2631.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. Date Analyzed: 05/28/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	8	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U
95-47-6	o-Xylene	10	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) _____ Lab Sample ID: L88574-16

Sample wt/vol:_____(g/mL)_____ Lab File ID: F2631

Level: (low/med) _____ Date Received:_____

% Moisture: not dec. _____ Date Analyzed: 5/28/2

GC Column: _____ ID: _____ (mm) Dilution Factor:_____

Soil Extract Volume: _____(µL) Soil Aliquot Volume: _____ (µL)

CRW 6/17/02

CONCENTRATION UNITS:
(µg/L or µg/Kg) µg/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown hydrocarbon	4.76	9	J
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6/17/02

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NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A-26S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-17

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: F2632.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: not dec. Date Analyzed: 05/28/02

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10 8	JB U ✓
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	17	✓
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	MEK (2-Butanone)	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
106-42-3/108-38-3	p-Xylene/m-Xylene	10	U
95-47-6	o-Xylene	10	U

JMS 7-14-02

1 E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) _____ Lab Sample ID: L88574-17

Sample wt/vol: _____ (g/mL) _____ Lab File ID: F2632

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 5/28/2

GC Column: _____ ID: _____ (mm) Dilution Factor: _____

Soil Extract Volume: _____ (µL) Soil Aliquot Volume: _____ (µL)

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown ~~hydrocarbon~~	1.79	24	J
2.		4.44	13	J
3. 000110-54-3	Hexane	4.75	24	~~I, A, B~~ R
4.				
5.				
6.			MS	
7.			7-14-02	
8.				
9.				
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7/17/02

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix Spike - EPA Sample No A-42S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	25	0.0	34	136	61 - 145
Benzene	25	0.0	36	144 *	76 - 127
Trichloroethene	25	0.0	36	144 *	71 - 120
Toluene	25	10	46	144 *	76 - 125
Chlorobenzene	25	0.0	36	144 *	75 - 130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	25	32	128	6	14	61 - 145
Benzene	25	35	140 *	3	11	76 - 127
Trichloroethene	25	35	140 *	3	14	71 - 120
Toluene	25	45	140 *	3	13	76 - 125
Chlorobenzene	25	35	140 *	3	13	75 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 8 out of 10 outside limits

COMMENTS: _____

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-27S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-2

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1040.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	6	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A-27S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-2

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1040.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 3	JB U ✓
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

JMS
7-14-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-2

Sample wt/vol_____(g/mL)_____ Lab File ID: A1040.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) ____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: _____ CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

B.C 6/24

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	11.76	6	J
2. 141-93-5	1,3-diethyl Benzene	12.10	3	NJ R
3. 1074-43-7	1-methyl-3-propyl Benzene	12.18	4	NJ R
4.	Unknown	12.31	5	J
5. 535-77-3	1-methyl-3-(1methylethyl) Benzene	12.76	7	NJ R
6.	Unknown	12.82	7	J
7. 527-53-7	1,2,3,5-tetramethyl Benzene	13.69	11	NJ R
8.	Unknown	13.77	11	J
9. 874-35-1	2,3-dihydro-5-methyl-1H Indene	14.20	3	NJ
10. 767-58-8	1-methyl Indan	14.39	8	"
11. 488-23-3	1,2,3,4-tetramethyl Benzene	14.44	8	NJ R
12.	Unknown	14.93	2	J
13. 1075-38-3	1-(1,1-dimethylethyl)-3-methyl Benzene	15.38	3	NJ R
14.	Unknown	21.29	2	J
15.	"	21.50	6	"
16.	"	22.20	5	"
17. 54932-78-4	4-(2,2,3,3-tetramethylbutyl)Phenol	22.59	4	NJ
18.	Unknown	23.47	8	J
19.	"	24.08	2	"
20.	"	24.21	9	"
21. 25154-52-3	nonyl Phenol	24.63	2	NJ
22. 57-10-3	Hexadecanoic acid	27.61	4	NJ R
23. 10544-50-0	Sulfur	29.17	5	NJ R
24.				
25.				
26.				
27.				
28.				
29.				
30.				

JRS 7-14-02

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A-43S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-3

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1024.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U R
111-44-4	bis(2-Chloroethylether)	10	U J
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U R
621-64-7	N-Nitrosodi-n-propylamine	10	U J
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U R
105-67-9	2,4-Dimethylphenol	10	U R
111-91-1	bis(2-Chloroethoxymethane)	10	U J
120-83-2	2,4-Dichlorophenol	10	U R
120-82-1	1,2,4-Trichlorobenzene	10	U J
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U R
91-57-6	2-Methylnaphthalene	10	U J
77-47-4	Hexachlorocyclopentadiene	10	U J
88-06-2	2,4,6-Trichlorophenol	10	U R
95-95-4	2,4,5-Trichlorophenol	25	U R
91-58-7	2-Chloronaphthalene	10	U J
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U R
100-02-7	4-Nitrophenol	25	U R
132-64-9	Dibenzofuran	10	U J
121-14-2	2,4-Dinitrotoluene	10	U J

7-14-02

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A-43S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-3

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1024.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U J
7005-72-3	4-Chlorophenylphenylether	10	U |
86-73-7	Fluorene	10	U |
100-01-6	4-Nitroaniline	25	U |
534-52-1	2-Methyl-4-6-dinitrophenol	25	U R
86-30-6	n-Nitrosodiphenylamine	10	U J
101-55-3	4-Bromophenylphenylether	10	U |
118-74-1	Hexachlorobenzene	10	U |
87-86-5	Pentachlorophenol	25	U R
85-01-8	Phenanthrene	10	U J
120-12-7	Anthracene	10	U |
86-74-8	Carbazole	10	U |
84-74-2	Di-n-butyl phthalate	10	U |
206-44-0	Fluoranthene	10	U |
129-00-0	Pyrene	10	U |
85-68-7	Butylbenzyl phthalate	10	U |
91-94-1	3,3'-Dichlorobenzidine	10	U |
56-55-3	Benzo(a)anthracene	10	U |
218-01-9	Chrysene	10	U |
117-81-7	bis-2-Ethylhexyl phthalate	10 2	~~U~~ U
117-84-0	Di-n-octyl phthalate	10	U J
205-99-2	Benzo(b)fluoranthene	10	U |
207-08-9	Benzo(k)fluoranthene	10	U |
50-32-8	Benzo(a)pyrene	10	U |
193-39-5	Indeno(1,2,3-cd)pyrene	10	U |
53-70-3	Dibenzo(a,h)anthracene	10	U |
191-24-2	Benzo(g,h,i)perylene	10	U |

ms 7-14-02

ms 7-14-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-3

Sample wt/vol_____(g/mL)_____ Lab File ID: A1024.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

B.cl 6/26

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	10.33	4	J
2.	↓	21.55	2	↓
3. 143-07-7	Dodecanoic acid	21.78	4	NJ
4. 544-63-8	Tetradecanoic acid	24.75	2	|
5. 57-10-3	Hexadecanoic acid	27.48	4	|R
6.				
7.				
8.			MS	
9.			7-14-02	
10.				
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1B NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-43S RE

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-3

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1016.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U R
111-44-4	bis(2-Chloroethylether)	10	U J
95-57-8	2-Chlorophenol	10	U R
541-73-1	1,3-Dichlorobenzene	10	U J
106-46-7	1,4-Dichlorobenzene	10	U |
95-50-1	1,2-Dichlorobenzene	10	U ↓
95-48-7	2-Methylphenol	10	U R
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U R
621-64-7	N-Nitrosodi-n-propylamine	10	U J
67-72-1	Hexachloroethane	10	U |
98-95-30	Nitrobenzene	10	U |
78-59-1	Isophorone	10	U ↓
88-75-52	2-Nitrophenol	10	U R
105-67-9	2,4-Dimethylphenol	10	U R
111-91-1	bis(2-Chloroethoxymethane)	10	U J
120-83-2	2,4-Dichlorophenol	10	U R
120-82-1	1,2,4-Trichlorobenzene	10	U J
91-20-3	Naphthalene	10	U |
106-47-8	4-Chloroaniline	10	U |
87-68-3	Hexachlorobutadiene	10	U ↓
59-50-7	4-Chloro-3-methylphenol	10	U R
91-57-6	2-Methylnaphthalene	10	U J
77-47-4	Hexachlorocyclopentadiene	10	U J
88-06-2	2,4,6-Trichlorophenol	10	U R
95-95-4	2,4,5-Trichlorophenol	25	U R
91-58-7	2-Chloronaphthalene	10	U J
88-74-4	2-Nitroaniline	25	U |
131-11-3	Dimethyl phthalate	10	U |
208-96-8	Acenaphthylene	10	U |
606-20-2	2,6-Dinitrotoluene	10	U |
99-09-2	3-Nitroaniline	25	U |
83-32-9	Acenaphthene	10	U ↓
51-28-5	2,4-Dinitrophenol	25	U R
100-02-7	4-Nitrophenol	25	U R
132-64-9	Dibenzofuran	10	U J
121-14-2	2,4-Dinitrotoluene	10	U J

JMS 7-10-02

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-43S RE

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-3

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1016.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U J
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U R
86-30-6	n-Nitrosodiphenylamine	10	U J
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U R
85-01-8	Phenanthrene	10	U J
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 2	JB UJ
117-84-0	Di-n-octyl phthalate	10	U J
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

MD
7-17-02

Confirmation

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-3

Sample wt/vol_____(g/mL)_____ Lab File ID: A1016.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) ____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ___ pH: _____

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	10.40	3	J
2.	↓	21.61	2	↓
3. 120-40-1	N,N-bis(2-hydroxyethyl)-Dodecanamide	21.83	4	NJ
4. 544-63-8	Tetradecanoic acid	24.78	2	↓
5. 57-10-3	Hexadecanoic acid	27.52	5	↓ R
6.				
7.				
8.			NS	
9.			7-14-02	
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1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-42S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-4

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1018.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	6	J
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	370	EJ
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	28	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

6/25/02

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-42S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-4

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1018.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 2	JB U
117-84-0	Di-n-octyl phthalate	10	U J
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

jd 7/25/02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-4

Sample wt/vol_____(g/mL)_____ Lab File ID: A1018.d

Level: (low/med) _____ Date Received: _____

% Moisture: decanted (Y/N) ____ Date Extracted: _____

Concentrated Extract Volume: _____(uL) Date Analyzed: _____

Injection Volume: _____(uL) Dilution Factor: _____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-Trimethylbenzene	10.74	8	~~NJ~~ R
2.	Unknown Trimethylbenzene	11.46	20	~~J~~ R
3.	Unknown	11.78	15	↓
4. 105-05-5	1,4-diethyl Benzene	12.10	12	~~NJ~~ R
5. 1074-43-7	1-methyl-3-propyl Benzene	12.18	10	~~J~~
6. 1758-88-9	2-ethyl-1,4-dimethyl Benzene	12.39	34	~~J~~
7. 1074-17-5	1-methyl-2-propyl Benzene	12.54	11	~~J~~
8. 934-80-5	4-ethyl-1,2-dimethyl Benzene	13.45	4	~~J~~
9. 95-93-2	1,2,4,5-tetramethyl Benzene	13.82	12	~~J~~
10. 527-53-7	1,2,3,5-tetramethyl Benzene	13.91	8	~~J~~ Y
11. 824-22-6	2,3-dihydro-4-methyl-1H Indene	14.27	6	
12. 27133-93-3	2,3-dihydro-1-methylindene	14.49	10	↓
13.	Unknown	14.55	13	J
14.	↓	21.82	20	↓
15.		22.54	13	↓
16. 126-73-8	Phosphoric acid tributyl ester	23.41	20	NJ
17.				
18.				
19.				JMS
20.				7-14-04
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-42S DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-4, 20X

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1050.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/05/02

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethylether)	200	U
95-57-8	2-Chlorophenol	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
106-44-5	4-Methylphenol	27 ~~200~~	~~U~~ J eak 6/24/02
621-64-7	N-Nitrosodi-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-30	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-52	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	bis(2-Chloroethoxymethane)	200	U
120-83-2	2,4-Dichlorophenol	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U
91-20-3	Naphthalene	1300	D ✓
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	39	JD ✓
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethyl phthalate	200	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	200	U
99-09-2	3-Nitroaniline	500	U
83-32-9	Acenaphthene	200	U
51-28-5	2,4-Dinitrophenol	500	U
100-02-7	4-Nitrophenol	500	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A-42S DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-4, 20X

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1050.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/05/02

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	200	U
7005-72-3	4-Chlorophenylphenylether	200	U
86-73-7	Fluorene	200	U
100-01-6	4-Nitroaniline	500	U
534-52-1	2-Methyl-4-6-dinitrophenol	500	U
86-30-6	n-Nitrosodiphenylamine	200	U
101-55-3	4-Bromophenylphenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	500	U J
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butyl phthalate	200	U J
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzyl phthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	bis-2-Ethylhexyl phthalate	200	U
117-84-0	Di-n-octyl phthalate	200	U J
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U J
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	200	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-4

Sample wt/vol_____(g/mL)_____ Lab File ID: A1050.D

Level: (low/med) _____ Date Received: _____

% Moisture: decanted (Y/N) _____ Date Extracted: _____

Concentrated Extract Volume: _____(uL) Date Analyzed: _____

Injection Volume: _____(uL) Dilution Factor: 20

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 16 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

B.cc 6/26

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-63-6	1,2,4-trimethyl benzene	11.38	230	~~NJ~~ R
2.	Unknown PAH	11.70	180	J
3. 135-01-3	1,2-diethyl Benzene	12.05	130	~~NJ~~ R
4. 1074-43-7	1-methyl-3-propyl Benzene	12.14	101	↓ ↓
5. 25340-17-4	diethyl Benzene	12.26	200	↓
6. 1758-88-9	2-ethyl-1,4-dimethyl Benzene	12.30	230	↓
7. 1074-17-5	1-methyl-2-propyl Benzene	12.46	120	↓
8. 535-77-3	1-methyl-3-(1-methylethyl) Benzene	13.35	140	↓
9. 95-93-2	1,2,4,5-tetramethyl Benzene	13.65	350	↓ ↓
10.	Unknown	13.74	470	J
11. 824-22-6	2,3-dihydro-4-methyl-1H Indene	14.16	220	NJ
12.	Unknown PAH	14.35	360	J
13.	—	14.43	730	↓
14.	↓	19.80	140	↓
15.		19.93	87	↓
16.	Acid	20.56	170	↓
17.				
18.				
19.			NS	
20.			7-14-04	
21.				
22.				
23.				
24.				
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1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-8

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-7

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1015.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-8

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-7

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1015.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 ~~2~~	JB U ✓
117-84-0	Di-n-octyl phthalate	10	U J
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

NLS
7-14-02 ✓

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-7

Sample wt/vol_____(g/mL)_____ Lab File ID: A1015.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

B cc 6/26

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	10.42	3	J R
2.	↓	13.91	3	↓ R
3. 1526-17-6	2-Fluoro-6-nitrophenol	14.33	3	NJ
4.	Unknown	17.91	2	J R
5.	↓	21.32	2	↓ R
6. 57-10-3	Hexadecanoic acid	27.52	4	NJ R
7.				
8.				
9.			TNP	
10.			7-14-02	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ME-19

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-8

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1017.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

ME-19

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-8

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1017.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 ~~3~~	~~JB~~ U ✓
117-84-0	Di-n-octyl phthalate	10	U J
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

MA
7-14-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-8

Sample wt/vol_____(g/mL)_____ Lab File ID: A1017.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Bcc 6/24

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	14.45	3	J
2.	↓	15.18	4	↓
3. 544-63-8	Tetradecanoic acid	24.79	2	NJ
4. 57-10-3	Hexadecanoic acid	27.53	7	↓ R
5.				
6.				
7.			7-14-02	
8.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-20

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-9

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1011.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-9

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1011.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 J	JBU ✓
117-84-0	Di-n-octyl phthalate	10	UJ
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

MA
7-14-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-9

Sample wt/vol_____(g/mL)_____ Lab File ID: A1011.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: _____ CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

dc'd 6/30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	14.39	4	J
2.	↓	15.15	3	↓
3. 143-07-7	Dodecanoic acid	21.78	2	NJ
4. 57-10-3	Hexadecanoic acid	27.51	5	✱ R
5.	Unknown	31.01	2	J
6.				
7.			MS	
8.			7-14-02	
9.				
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1B NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-6

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-10

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1012.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-6

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-10

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1012.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 3	JBU ✓
117-84-0	Di-n-octyl phthalate	10	U J
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

7-14-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-10

Sample wt/vol_____(g/mL)_____ Lab File ID: A1012.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

B-CC 6/26

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 97-78-9	N-methyl-N-(1-oxododecyl)-Glycine	21.80	3	NJ
2. 544-63-8	Tetradecanoic acid	24.80	7	↓
3.	Unknown acid	26.17	2	J
4.	↓ Hydrocarbon	26.61	2	↓
5.	↓ ↓	27.25	4	↓
6. 57-10-3	Hexadecanoic acid	27.56	15	~~NJ~~ R
7. 112-92-5	1-Octadecanol	29.22	9	↓
8. ←	Unknown Hydrocarbon	29.73	4	J
9. 57-11-4	Octadecanoic acid	30.02	2	NJ
10.				
11.				
12.				
13.				MS
14.				7-14-03
15.				
16.				
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1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-11, 10X

Sample wt/vol: 920 (g/ml) ML Lab File ID: A1043.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/02

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	89	JD
111-44-4	bis(2-Chloroethylether)	110	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	110	U
106-46-7	1,4-Dichlorobenzene	110	U
95-50-1	1,2-Dichlorobenzene	110	U
95-48-7	2-Methylphenol	110	U
108-60-1	2,2'-oxybis(1-Chloropropane)	110	U
106-44-5	4-Methylphenol	56	JD
621-64-7	N-Nitrosodi-n-propylamine	110	U
67-72-1	Hexachloroethane	110	U
98-95-30	Nitrobenzene	110	U
78-59-1	Isophorone	110	U
88-75-52	2-Nitrophenol	110	U
105-67-9	2,4-Dimethylphenol	110	U
111-91-1	bis(2-Chloroethoxymethane)	110	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	110	U
91-20-3	Naphthalene	340	D
106-47-8	4-Chloroaniline	110	U
87-68-3	Hexachlorobutadiene	110	U
59-50-7	4-Chloro-3-methylphenol	110	U
91-57-6	2-Methylnaphthalene	83	JD
77-47-4	Hexachlorocyclopentadiene	110	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	270	U
91-58-7	2-Chloronaphthalene	110	U
88-74-4	2-Nitroaniline	270	U
131-11-3	Dimethyl phthalate	110	U
208-96-8	Acenaphthylene	110	U
606-20-2	2,6-Dinitrotoluene	110	U
99-09-2	3-Nitroaniline	270	U
83-32-9	Acenaphthene	110	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	110	U
121-14-2	2,4-Dinitrotoluene	110	U

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-11, 10X

Sample wt/vol: 920 (g/ml) ML Lab File ID: A1043.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/02

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	110	U
7005-72-3	4-Chlorophenylphenylether	110	U
86-73-7	Fluorene	110	U
100-01-6	4-Nitroaniline	270	U
534-52-1	2-Methyl-4-6-dinitrophenol	270	U
86-30-6	n-Nitrosodiphenylamine	110	U
101-55-3	4-Bromophenylphenylether	110	U
118-74-1	Hexachlorobenzene	110	U
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	110	U
120-12-7	Anthracene	110	U
86-74-8	Carbazole	110	U
84-74-2	Di-n-butyl phthalate	40	JØ
206-44-0	Fluoranthene	110	U
129-00-0	Pyrene	110	U
85-68-7	Butylbenzyl phthalate	110	U
91-94-1	3,3'-Dichlorobenzidine	110	U
56-55-3	Benzo(a)anthracene	110	U
218-01-9	Chrysene	110	U
117-81-7	bis-2-Ethylhexyl phthalate	44	JØD
117-84-0	Di-n-octyl phthalate	14	JØ
205-99-2	Benzo(b)fluoranthene	110	U R
207-08-9	Benzo(k)fluoranthene	110	U
50-32-8	Benzo(a)pyrene	110	U
193-39-5	Indeno(1,2,3-cd)pyrene	110	U
53-70-3	Dibenzo(a,h)anthracene	110	U
191-24-2	Benzo(g,h,i)perylene	110	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-11

Sample wt/vol_____(g/mL)_____ Lab File ID: A1043.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor: 10

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 95-36-3	1,2,4-Trimethylbenzene	11.47	740	~~NJ~~	R
2.	Unknown PAH	11.79	630	J	
3. 141-93-5	1,3-diethyl Benzene	12.13	430	~~NJ~~	R
4. 1074-43-7	1-methyl-3-propyl-Benzene	12.23	940	↓	R
5. 934-80-5	4-ethyl-1,2-dimethyl Benzene	12.42	2300	↓	R
6. 1074-17-5	1-methyl-2-propyl Benzene	12.57	640	↓	R
7.	Unknown	12.86	1500	J	
8. 535-77-3	1-methyl-3-(1-methylethyl)Benzene	12.92	940	~~NJ~~	R
9. 933-98-2	1-ethyl-2,3-dimethyl Benzene	13.48	730	↓	R
10. 95-93-2	1,2,4,5-tetramethyl Benzene	13.82	1400	↓	R
11. 527-53-7	1,2,3,5-tetramethyl Benzene	13.91	1100	↓	R
12. 824-22-6	2,3-dihydro-4-methyl-1H Indene	14.28	630	↓	
13.	Unknown PAH	14.41	200	J	
14.	↓	14.50	960	↓	
15.	—	14.57	1400		
16.		14.69	340		
17.	↓	15.00	230	↓	
18. 700-12-9	Pentamethyl Benzene	15.44	300	~~NJ~~	R
19.	Unknown	15.47	320	J	
20.	↓	16.32	260	↓	
21. 16682-71-9	2,3-dihydro-4,7-dimethyl-1H-Indene	16.50	210	NJ	
22.	Unknown PAH	16.74	250	J	
23.	—	20.26	220		
24.		24.69	1200		
25.		25.63	1100		
26.		28.39	1100		
27.		29.17	430		
28.		31.63	600		
29.		34.51	220		
30.	↓	37.12	220	↓	

DMS 7-14-02

1B NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9 DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-11, 20X

Sample wt/vol: 920 (g/ml) ML Lab File ID: A1057.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/02

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
108-95-2	Phenol	93	JD	✓
111-44-4	bis(2-Chloroethylether)	220	U	
95-57-8	2-Chlorophenol	220	U	
541-73-1	1,3-Dichlorobenzene	220	U	
106-46-7	1,4-Dichlorobenzene	220	U	
95-50-1	1,2-Dichlorobenzene	220	U	
95-48-7	2-Methylphenol	220	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	220	U	
106-44-5	4-Methylphenol	62 ~~220~~	~~U~~ J	eak 6/24/02
621-64-7	N-Nitrosodi-n-propylamine	220	U	
67-72-1	Hexachloroethane	220	U	
98-95-30	Nitrobenzene	220	U	
78-59-1	Isophorone	220	U	
88-75-52	2-Nitrophenol	220	U	
105-67-9	2,4-Dimethylphenol	220	U	
111-91-1	bis(2-Chloroethoxymethane)	220	U	
120-83-2	2,4-Dichlorophenol	220	U	
120-82-1	1,2,4-Trichlorobenzene	220	U	
91-20-3	Naphthalene	340	D	✓
106-47-8	4-Chloroaniline	220	U	
87-68-3	Hexachlorobutadiene	220	U	
59-50-7	4-Chloro-3-methylphenol	220	U	
91-57-6	2-Methylnaphthalene	61	JD	✓
77-47-4	Hexachlorocyclopentadiene	220	U	
88-06-2	2,4,6-Trichlorophenol	220	U	
95-95-4	2,4,5-Trichlorophenol	540	U	
91-58-7	2-Chloronaphthalene	220	U	
88-74-4	2-Nitroaniline	540	U	
131-11-3	Dimethyl phthalate	220	U	
208-96-8	Acenaphthylene	220	U	
606-20-2	2,6-Dinitrotoluene	33 ~~220~~	~~U~~ J	eak 6/24/02
99-09-2	3-Nitroaniline	540	U	
83-32-9	Acenaphthene	220	U	
51-28-5	2,4-Dinitrophenol	540	U	
100-02-7	4-Nitrophenol	540	U	
132-64-9	Dibenzofuran	220	U	
121-14-2	2,4-Dinitrotoluene	31 ~~220~~	~~U~~ J	eak 6/24/02

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-9 DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-11, 20X

Sample wt/vol: 920 (g/ml) ML Lab File ID: A1057.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/02

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	220	U
7005-72-3	4-Chlorophenylphenylether	220	U
86-73-7	Fluorene	220	U
100-01-6	4-Nitroaniline	540	U
534-52-1	2-Methyl-4-6-dinitrophenol	540	U
86-30-6	n-Nitrosodiphenylamine	220	U
101-55-3	4-Bromophenylphenylether	220	U
118-74-1	Hexachlorobenzene	220	U
87-86-5	Pentachlorophenol	540	U J
85-01-8	Phenanthrene	220	U
120-12-7	Anthracene	220	U
86-74-8	Carbazole	220	U
84-74-2	Di-n-butyl phthalate	44	JØ ✓
206-44-0	Fluoranthene	220	U
129-00-0	Pyrene	220	U
85-68-7	Butylbenzyl phthalate	220	U
91-94-1	3,3'-Dichlorobenzidine	220	U
56-55-3	Benzo(a)anthracene	220	U
218-01-9	Chrysene	220	U
117-81-7	bis-2-Ethylhexyl phthalate	220 ~~39~~	~~JBD~~ U eak 6/24/02
117-84-0	Di-n-octyl phthalate	220	U R
205-99-2	Benzo(b)fluoranthene	220	U
207-08-9	Benzo(k)fluoranthene	220	U
50-32-8	Benzo(a)pyrene	220	U
193-39-5	Indeno(1,2,3-cd)pyrene	220	U
53-70-3	Dibenzo(a,h)anthracene	220	U
191-24-2	Benzo(g,h,i)perylene	220	U

hs 7-10-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-11

Sample wt/vol_____(g/mL)_____ Lab File ID: A1057.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor: 20

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

B-11 0/24

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-Trimethylbenzene	11.38	730	NJ R
2. 300-57-2	2-propenyl-Benzene	11.70	710	↓
3. 135-01-3	1,2-diethyl Benzene	12.05	480	↓
4. 1074-43-7	1-methyl-3-propyl Benzene	12.14	960	↓
5. 25340-17-4	diethyl Benzene	12.26	720	↓
6. 874-41-9	1-ethyl-2,4-dimethyl Benzene	12.31	1700	↓
7. 1074-17-5	1-methyl-2-propyl-Benzene	12.47	630	↓
8. 1758-88-9	2-ethyl-1,4-dimethyl Benzene	12.73	1400	↓
9. 933-98-2	1-ethyl-2,3-dimethyl Benzene	13.36	880	↓
10. 95-93-2	1,2,4,5-tetramethyl Benzene	13.68	1600	↓
11.	Unknown	13.77	1700	J
12. 824-22-6	2,3-dihydro-4-methyl-1H-Indene	14.17	790	NJ
13. 27133-93-3	2,3-dihydro-1-methylindene	14.37	1200	↓
14. 99-87-6	1-methyl-4-(1-methylethyl) Benzene	14.43	2000	↓ R
15. 700-12-9	pentamethyl Benzene	15.35	360	↓ R
16.	Unknown	15.38	460	J
17.	↓	16.66	550	↓
18. 768-49-0	(2-methyl-1-propenyl) Benzene	17.63	550	NJ R
19.	Unknown	18.11	1600	J
20.	↓	18.67	670	↓
21.		19.76	370	
22.		20.14	570	
23.		20.91	810	
24.		21.33	1700	
25.		21.85	500	
26.		21.99	510	
27.		31.50	1800	
28.		32.75	450	
29.		34.38	610	
30.	↓	37.01	430	↓

MS 7-14-00

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-10

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-12

Sample wt/vol: 940 (g/ml) ML Lab File ID: A1025.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	120	EJ
111-44-4	bis(2-Chloroethylether)	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	130	EJ
621-64-7	N-Nitrosodi-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-30	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-52	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxymethane)	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	6	J
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethyl phthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
99-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene	11	U
51-28-5	2,4-Dinitrophenol	27	U
100-02-7	4-Nitrophenol	27	U
132-64-9	Dibenzofuran	11	U
121-14-2	2,4-Dinitrotoluene	11	U

7/25/02

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-10

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-12

Sample wt/vol: 940 (g/ml) ML Lab File ID: A1025.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	11	U
7005-72-3	4-Chlorophenylphenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	2-Methyl-4-6-dinitrophenol	27	U
86-30-6	n-Nitrosodiphenylamine	11	U
101-55-3	4-Bromophenylphenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butyl phthalate	2	J
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzyl phthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis-2-Ethylhexyl phthalate	10	JB U
117-84-0	Di-n-octyl phthalate	11	U R
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenzo(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

7-14-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-12

Sample wt/vol_____(g/mL)_____ Lab File ID: A1025.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 29 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-Trimethylbenzene	11.37	33	NJ
2. 1074-43-7	1-methyl-3-propylBenzene	12.13	21	
3. 535-77-3	1-methyl-3-(1methylethyl)Benzene	12.30	62	
4. 1074-17-5	1-methyl-2-propyl Benzene	12.46	20	
5. 99-87-6	1-methyl-4(1-methylethyl)Benzene	12.72	46	
6. 933-98-2	1-ethyl-2,3-dimethyl Benzene	13.36	23	
7. 488-23-3	1,2,3,4-tetramethylBenzene	13.67	38	
8. 95-93-2	1,2,4,5-tetramethylBenzene	13.76	49	
9.	Unknown	14.17	14	J
10. 27133-93-3	2,3-Dihydro-1-methylindene	14.36	31	NJ
11.	Unknown	14.42	20	J
12.		16.25	34	
13.		16.43	21	
14.		16.58	12	
15.		16.70	16	
16.		18.23	310	
17.		18.49	18	
18.		18.74	89	
19.		19.19	24	
20. 56253-64-6	(2-methyl-1-butenyl) Benzene	19.36	37	NJ
21.	Unknown	21.77	21	J
22.		21.90	68	
23.		22.05	100	
24.		22.51	16	
25.		22.65	72	
26.		24.23	22	
27.		28.30	13	
28. 10544-50-0	Sulfur	29.17	20	NJ
29.	Unknown	32.80	21	J
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-10 DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-12, 2X

Sample wt/vol: 940 (g/ml) ML Lab File ID: A1055.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/02

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q	
108-95-2	Phenol	150	D	✓
111-44-4	bis(2-Chloroethylether)	21	U	
95-57-8	2-Chlorophenol	21	U	
541-73-1	1,3-Dichlorobenzene	21	U	
106-46-7	1,4-Dichlorobenzene	21	U	
95-50-1	1,2-Dichlorobenzene	21	U	
95-48-7	2-Methylphenol	21	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	21	U	
106-44-5	4-Methylphenol	170	D	✓
621-64-7	N-Nitrosodi-n-propylamine	21	U	
67-72-1	Hexachloroethane	21	U	
98-95-30	Nitrobenzene	21	U	
78-59-1	Isophorone	21	U	
88-75-52	2-Nitrophenol	21	U	
105-67-9	2,4-Dimethylphenol	2	JD	✓
111-91-1	bis(2-Chloroethoxymethane)	21	U	
120-83-2	2,4-Dichlorophenol	21	U	
120-82-1	1,2,4-Trichlorobenzene	21	U	
91-20-3	Naphthalene	8	JD	✓
106-47-8	4-Chloroaniline	21	U	
87-68-3	Hexachlorobutadiene	21	U	
59-50-7	4-Chloro-3-methylphenol	21	U	
91-57-6	2-Methylnaphthalene	21	U	
77-47-4	Hexachlorocyclopentadiene	21	U	J
88-06-2	2,4,6-Trichlorophenol	21	U	
95-95-4	2,4,5-Trichlorophenol	53	U	
91-58-7	2-Chloronaphthalene	21	U	
88-74-4	2-Nitroaniline	53	U	
131-11-3	Dimethyl phthalate	21	U	
208-96-8	Acenaphthylene	21	U	
606-20-2	2,6-Dinitrotoluene	21	U	
99-09-2	3-Nitroaniline	53	U	
83-32-9	Acenaphthene	21	U	
51-28-5	2,4-Dinitrophenol	53	U	
100-02-7	4-Nitrophenol	53	U	
132-64-9	Dibenzofuran	21	U	
121-14-2	2,4-Dinitrotoluene	~~21~~ 4	~~U~~ J	EAR 6/24/02

7-14-02

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-10 DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-12, 2X

Sample wt/vol: 940 (g/ml) ML Lab File ID: A1055.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/02

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	21	U J
7005-72-3	4-Chlorophenylphenylether	21	U
86-73-7	Fluorene	21	U
100-01-6	4-Nitroaniline	53	U
534-52-1	2-Methyl-4-6-dinitrophenol	53	U
86-30-6	n-Nitrosodiphenylamine	21	U
101-55-3	4-Bromophenylphenylether	21	U
118-74-1	Hexachlorobenzene	21	U
87-86-5	Pentachlorophenol	53	U J
85-01-8	Phenanthrene	21	U
120-12-7	Anthracene	21	U
86-74-8	Carbazole	21	U
84-74-2	Di-n-butyl phthalate	3	JB ✓
206-44-0	Fluoranthene	21	U
129-00-0	Pyrene	21	U
85-68-7	Butylbenzyl phthalate	21	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	21	U
218-01-9	Chrysene	21	U
117-81-7	bis-2-Ethylhexyl phthalate	21 5	JBD U ✓
117-84-0	Di-n-octyl phthalate	21	U R
205-99-2	Benzo(b)fluoranthene	21	U
207-08-9	Benzo(k)fluoranthene	21	U
50-32-8	Benzo(a)pyrene	21	U
193-39-5	Indeno(1,2,3-cd)pyrene	21	U
53-70-3	Dibenzo(a,h)anthracene	21	U
191-24-2	Benzo(g,h,i)perylene	21	U

MS
7-17-02

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:______ Contract:______

Lab Code:____ Case No.:____ SAS No.:____ SDG No.:____

Matrix:(soil/water) ______ Lab Sample ID: L88574-12

Sample wt/vol______(g/mL)______ Lab File ID: A1055.d

Level: (low/med) ______ Date Received: ______

% Moisture: decanted (Y/N) ____ Date Extracted: ______

Concentrated Extract Volume: ______(uL) Date Analyzed: 2

Injection Volume: ______(uL) Dilution Factor: ______

GPC Cleanup: (Y/N) ____ pH: ____

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-Trimethylbenzene	11.38	42	~~NJ~~ R
2. 527-84-4	1-methyl-2-(1-methylethyl)Benzene	12.30	72	↓
3. 1758-88-9	2-ethyl-1,4-dimethylBenzene	12.71	37	↓
4. 934-80-5	4-ethyl-1,2-dimethylBenzene	13.35	31	↓
5. 488-23-3	1,2,3,4-tetramethyl Benzene	13.66	50	↓
6. 95-93-2	1,2,4,5-tetramethyl Benzene	13.74	64	↓
7. 767-58-8	1-methyl Indan	14.35	42	↓
8.	Unknown	16.24	61	J
9.	↓	16.42	34	↓
10.		16.70	28	
11.		17.69	110	
12.		18.23	390	
13. 17059-52-8	7-methyl-Benzofuran	18.37	27	NJ
14.	Unknown	18.75	150	J
15.	↓	19.19	29	↓
16. 56253-64-6	(2-methyl-1-butenyl)Benzene	19.36	48	~~NJ~~ R
17.	Unknown	21.75	47	J
18.	↓	21.87	30	↓
19.		21.99	100	
20.		22.13	160	
21.		22.29	59	
22.		23.45	35	
23. 126-73-8	Phosphoric acid tributyl ester	23.58	100	NJ
24.	Unknown	24.13	44	J
25.	↓	24.25	35	↓
26. ~~2515~~ 25154-52-3	nonylPhenol	24.67	28	NJ
27.	Unknown	24.83	33	J
28. 57-10-3	Hexadecanoic Acid	27.66	33	~~NJ~~ R
29.	Unknown	28.29	29	J
30.	↓	32.78	42	↓

TNS 7-14-02

1B NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BLIND DUP

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-13

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1023.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	7	J
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	480	E J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	29	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BLIND DUP

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-13

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1023.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 2	JB U ✓
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-13

Sample wt/vol_____(g/mL)_____ Lab File ID: A1023.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1.2.4-Trimethyl benzene	10.64	8	NJ R
2.	Unknown trimethyl benzene	11.36	20	J
3.	Unknown	11.69	16	↓
4. 135-01-3	1,2-diethyl Benzene	12.01	12	NJ R
5. 1074-17-5	1-methyl-2-propyl Benzene	12.10	9	↓ R
6. 1758-88-9	2-ethyl-1,4-dimethyl Benzene	12.30	34	↓ R
7.	Unknown	12.45	10	J
8. 934-80-5	4-ethyl-1,2-dimethyl Benzene	13.37	3	NJ R
9. 95-93-2	1.2.4.5-tetramethyl Benzene	13.74	11	↓ R
10.	Unknown	13.83	7	J
11. 824-22-6	2,3-dihydro-4-methyl 1H-Indene	14.20	5	NJ
12. 767-58-8	1-methyl Indan	14.42	9	↓
13.	Unknown	14.48	11	J
14.	↓	21.75	20	↓
15. 126-73-8	Phosphoric acid tributyl ester	23.36	20	NJ
16.				
17.				
18.				JMS
19.				2-14-07
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BLIND DUP DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-13, 20X

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1054.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/02

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethylether)	200	U
95-57-8	2-Chlorophenol	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitrosodi-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-30	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-52	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	bis(2-Chloroethoxymethane)	200	U
120-83-2	2,4-Dichlorophenol	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U
91-20-3	Naphthalene	1400	~~U~~ ✓
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	38	~~JU~~ ✓
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethyl phthalate	200	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	200	U
99-09-2	3-Nitroaniline	500	U
83-32-9	Acenaphthene	200	U
51-28-5	2,4-Dinitrophenol	500	U
100-02-7	4-Nitrophenol	500	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BLIND DUP DL

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-13, 20X

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1054.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/25/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/02

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	200	U
7005-72-3	4-Chlorophenylphenylether	200	U
86-73-7	Fluorene	200	U
100-01-6	4-Nitroaniline	500	U
534-52-1	2-Methyl-4-6-dinitrophenol	500	U
86-30-6	n-Nitrosodiphenylamine	200	U
101-55-3	4-Bromophenylphenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	500	U J
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butyl phthalate	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzyl phthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	bis-2-Ethylhexyl phthalate	200	U
117-84-0	Di-n-octyl phthalate	200	U J
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U J
53-70-3	Dibenzo(a,h)anthracene	200	U ↓
191-24-2	Benzo(g,h,i)perylene	200	U ↓

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-13

Sample wt/vol_____(g/mL)_____ Lab File ID: A1054.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor: 20

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

B 6/26

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 526-73-8	1,2,3-trimethyl Benzene	11.37	230	NJ
2.	Unknown PAH	11.67	180	J
3. 141-93-5	1,3-diethyl Benzene	12.05	130	NJ
4. 1074-43-7	1-methyl-3-propyl Benzene	12.13	~~100~~ 98	↓
5. 25340-17-4	diethyl Benzene	12.25	170	↓
6. 934-80-5	4-ethyl-1,2-dimethyl Benzene	12.29	230	↓
7. 1074-55-1	1-methyl-4-propyl Benzene	12.45	120	↓
8.	Unknown	13.34	140	J
9. 95-93-2	1,2,4,5-tetramethyl Benzene	13.64	360	NJ
10.	Unknown	13.72	tr 470	J
11. 874-35-1	2,3-dihydro-5-methyl-1H-Indene	14.15	230	NJ
12. 767-58-8	1-methyl Indan	14.34	370	↓
13.	Unknown	14.42	740	J
14.	↓	19.75	130	↓
15.		19.89	93	
16.		20.51	170	
17.		22.14	77	↓
18.				
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A-26S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-17

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1013.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethylether)	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitrosodi-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-30	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-52	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxymethane)	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A-26S

Lab Name: FRIEND LABORATORY, INC. Contract:

Lab Code: 10252 Case No.: SAS No.: SDG No.: SHAW

Matrix: (soil/water) WATER Lab Sample ID: L88574-17

Sample wt/vol: 1000 (g/ml) ML Lab File ID: A1013.D

Level: (low/med) LOW Date Received: 05/23/02

% Moisture: decanted:(Y/N) N Date Extracted: 05/24/02

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/29/02

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	2-Methyl-4-6-dinitrophenol	25	U
86-30-6	n-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis-2-Ethylhexyl phthalate	10 A	JB U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

MS
7-14-02

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

Lab Name:_____ Contract:_____

Lab Code:_____ Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix:(soil/water) _____ Lab Sample ID: L88574-17

Sample wt/vol_____(g/mL)_____ Lab File ID: A1013.d

Level: (low/med) _____ Date Received:_____

% Moisture: decanted (Y/N) _____ Date Extracted:_____

Concentrated Extract Volume: _____(uL) Date Analyzed:_____

Injection Volume: _____(uL) Dilution Factor:_____

GPC Cleanup: (Y/N) ____ pH: _____

Number TICs found: _____ CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

B,C(6/24

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 143-07-7	Dodecanoic acid	21.79	2	NJ
2. 57-10-3	Hexadecanoic acid	27.52	4	R
3.				
4.				
5.				
6.				MD
7.				7-14-04
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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30.				

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: _____

Lab Code: 10252 Case No.: _____ SAS No.: _____ SDG No.: SHAW

Matrix Spike - EPA Sample No A-42S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	75	0.0	60	80	12 - 110
2-Chlorophenol	75	0.0	65	87	27 - 123
1,4-Dichlorobenzene	50	0.0	40	80	36 - 97
N-Nitrosodi-n-propylamine	50	0.0	22	44	41 - 116
1,2,4-Trichlorobenzene	50	0.0	47	94	39 - 98
4-Chloro-3-methylphenol	75	0.0	60	80	23 - 97
Acenaphthene	50	0.0	18	36 *	46 - 118
2,4-Dinitrotoluene	50	0.0	25	50	24 - 96
4-Nitrophenol	75	0.0	18	24	10 - 80
Pentachlorophenol	75	0.0	220	293 *	9 - 103
Pyrene	50	0.0	52	104	26 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	67	89	11	42	12 - 110
2-Chlorophenol	75	61	81	7	40	27 - 123
1,4-Dichlorobenzene	50	39	78	3	28	36 - 97
N-Nitrosodi-n-propylamine	50	3.9	8 *	138 *	38	41 - 116
1,2,4-Trichlorobenzene	50	61	122 *	26	28	39 - 98
4-Chloro-3-methylphenol	75	76	101 *	23	42	23 - 97
Acenaphthene	50	16	32 *	12	31	46 - 118
2,4-Dinitrotoluene	50	24	48	4	38	24 - 96
4-Nitrophenol	75	16	21	13	50	10 - 80
Pentachlorophenol	75	210	280 *	5	50	9 - 103
Pyrene	50	55	110	6	31	26 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 7 out of 22 outside limits

COMMENTS: _____