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QUARTERLY OPERATION MAINTENANCE AND MONITORING REPORT
(July 2001 – September 2001)
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

IT Corporation Project 820131

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1.0 INTRODUCTION

This status report 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 quarterly status report covers the period from July 30, 2001 through September 11, 2001. Discussion addresses the quarterly sampling event conducted on September 10 and 11, 2001.

Total run time for the air sparge (AS) and soil vapor extraction (SVE) system during the reporting period was approximately 100%. The repairs made to the system during the two previous months have been effective and the system is now operating optimally.

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 July 30, August 16 and September 10, 2001. 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, 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 log, pre-manifold, post-manifold (entire log, A and B), pre-carbon, in-between carbon and post-carbon absorption PID readings. Influent and effluent analytical for air quality.

3.0 SIGNIFICANT OPERATIONAL NOTES

Only one significant operational note for this reporting period was recorded. MW-10 and SP-1 concrete aprons were repaired during the July 30, 2001 O&M visit.

Approximately 45 gallons of condensate was drained from the SVE system during the reporting period.

4.0 SOIL VAPOR EXTRACTION SYSTEM

The SVE system was initially activated on August 4, 2000. The SVE system is comprised of 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.

Air samples were collected during the September 11, 2001 site visit to track system removal efficiency, and to verify compliance as per the NYSDEC discharge agreement. The laboratory report is included as **Appendix A.**

The SVE system operated at an average flow of 291 cubic feet per minute (cfm) during the reporting period as measured at the SVE blower effluent. No calculated VOCs were removed during the current reporting quarter. To date the system has removed approximately 2.66 pounds of VOCs. System operating data and removal calculations based on monthly photoionization detector (PID) readings are shown in **Table 1**. Vapor phase carbon absorption efficiency for the compounds of concern is shown on **Table 2**. Cumulative Compound of concern removal is presented in **Table 3.**

5.0 AIR SPARGE SYSTEM

The air sparging (AS) system was initially 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 6.8 scfm each, with a total average system pressure of approximately 5.2 pounds per square inch (psig). The air sparge blower was fully operational in conjunction with the SVE system during the reporting period.

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. 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 treatment quarter general decreases in dissolved contaminant levels has been observed. Analytical results from the monitoring well network are tabulated and presented in T**able 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 September event is shown as **Figure 3** in this report.

During the September 2001 gauging event depth to groundwater on the Flagship parcel ranged from 3.95 feet (MW-1) to 10.81 feet (DG-1). On the IBM parcel, the depth to water measurements ranged from 4.30 feet (A-26S) and 10.13 feet (A-41S). 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 north by 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 September 10 and 11, 2001 sampling event elevated laboratory detections were recorded in samples collected from MW-9 and MW-10. DCA was detected at a concentration of 190 ug/l (MW-9) and 27 ug/l (MW-10). PCE was detected at 240 ug/l (MW-9) and 97 ug/l (MW-10). PCE has not been detected in down-gradient monitoring well MW-6 for two quarters. Though MW-9 and MW-10 continue to display dissolved contamination, down-gradient wells are clean, thus demonstrating the decreased mobility of the plume away from this area of concern. TCE was not detected in any of the monitoring wells on either property. Naphthalene was detected at 1,200 ug/l (MW-9) and 430 ug/l (MW-10). Naphthalene was detected in one former Flagship down-gradient property boundary wells (ME-19). Naphthalene was detected at an estimated concentration of 2 ug/l. Naphthalene has not been detected in monitoring well MW-20 for five consecutive quarters. This well was specifically screened directly above the silty aquitard beneath the impacted aquifer. 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 16 ug/l (A-26S), 11 ug/l (A-42S) and an estimated 2 ug/l (A-43S) were recorded. Naphthalene was detected at an estimated concentration of 9 ug/l in A-27S and 480 in A-42S. Naphthalene has not been detected in MW-20 for five consecutive quarters, however, A-42S located approximately twenty feet down-gradient has not shown any significant decreasing trend. This well 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.

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 efficiency and lessen system downtime
- Collect SVE effluent air samples
- Stake wells for locating in the event of snow fall
- Prepare and submit quarterly report

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%	2885.1	251	1.2	0.00	0.00	0.00
08/09/00	120 /	6	5.00%	2057.5	179	0.0	0.00	0.01	0.01
08/16/00	168 /	168	100.00%	1896.6	165	4.6	0.01	1.04	1.05
08/24/00	192 /	192	100.00%	3471.3	302	0.0	0.01	1.61	2.66
09/21/00	672 /	261	38.84%	2241.4	195	0.0	0.00	0.00	2.66
10/09/00	432 /	192	44.44%	3758.6	327	0.0	0.00	0.00	2.66
11/17/00	936 /	542	57.91%	4046.0	352	0.0	0.00	0.00	2.66
12/06/00	456 /	298	65.35%	4103.4	357	0.0	0.00	0.00	2.66
01/10/01	840 /	120	14.29%	3988.5	347	0.0	0.00	0.00	2.66
02/19/01	960 /	960	100.00%	3195.4	278	0.0	0.00	0.00	2.66
03/28/01	888 /	72	8.11%	0.0	0	0.0	0.00	0.00	2.66
04/19/01	528 /	270	51.14%	2586.2	225	0.0	0.00	0.00	2.66
05/16/01	648 /	600	92.59%	2804.6	244	0.0	0.00	0.00	2.66
06/20/01	840 /	792	94.29%	3195.4	278	0.0	0.00	0.00	2.66
07/30/01	960 /	960	100.00%	3287.4	286	0.0	0.00	0.00	2.66
08/17/01	432 /	432	100.00%	3310.3	288	0.0	0.00	0.00	2.66
09/11/01	600 /	600	100.00%	3379.3	294	0.0	0.00	0.00	2.66

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	100.00
	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	100.00
	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

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	1.2	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	0.0002	0.37	1.28
6/20/01	840 /	792	94.29%	3195	279	0.054	0.0	0.0001	0.09	1.37
9/11/01	1992 /	1992	100.00%	3379	295	0.236	0.0	0.0006	1.29	2.66
Averages			73.61%	3354	293	0.107	0	0.0005	0.44	

Notes:

Data is based on total analytical compounds of concern.

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

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

All dissolved oxygen measurements are in mg/l

NM = Not Measured

NI = Not installed as of this date

* = DO measurement incorrect due to malfunctioning meter

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

	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

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

All dissolved oxygen measurements are in mg/l

NM = Not Measured

NI = Not installed as of this date

* = 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

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

	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

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

	A-27S			A-39S			A-40S			A-41S			A-42S		
	TOC Elev. 157.74'			TOC Elev. 159.51			TOC Elev. 161.03'			TOC Elev. 160.64'			TOC Elev. 159.40'		
Date	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
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
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
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
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
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
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
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*
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
2/19/01	5 01	152 73	8 53	7.20	152.31	3 43	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*
4/19-4/20/01	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
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
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
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
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

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

	A-43S			A-44S		
	TOC Elev. 157.89'			TOC Elev. 155.33'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO
6/28/00	4 75	153 14	NM	2 72	152 61	NM
8/3/00	5 77	152 12	2 15	4.32	151 01	1.88
8/10/00	4 66	153.23	NM	4 30	151.03	NM
8/31/00	5.07	152.82	2.11	NG	NG	WNA
8/10/00	4 64	153.25	3.18	NG	NG	WNA
10/16/00	5 52	152 37	3 38	4 83	150 50	3.59
11/13/00	4.81	153 08	2 49	4 83	150.5	3 05
12/6/00	5 67	152.22	12.23*	5.04	150.29	2 56
1/8/01	NM	NM	NM	NM	NM	NM
2/19/01	NM	NM	NM	NM	NM	NM
3/28/01	4 20	153 66	16 00*	3 89	151 44	NM
4/19-4/20/01	NM	NM	NM	NM	NM	NM
5/16/01	4 76	153 10	0 93	4 49	150 84	0 93
6/20-6/21/01	5.22	152 64	1 10	4 52	150.81	0 55
7/30/01	5.86	152 00	1.08	4 97	150.36	1.01
8/16/01	6.24	151 62	0 91	5 41	149 92	0 37
9/10/01	6 75	151 11	0 94	5 42	149.91	0 90

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 -SEPTEMBER 10 AND 11, 2001
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-12	ME-13	ME-14	ME-15	ME-16	ME-18	ME-19	MW-1	MW-2	MW-6	MW-7A	MW-8	MW-9	MW-10	MW-20	DG-1	Septic	DUP 1 (MW-8)	DUP 2 (MW-9)
pH	6.5-8.5	7.63	6.56	6.65	7 74	7 01	7.64	7.08	7.43	6.84	7.24	6.61	7.55	6.30	6.33	7.19	7.14	NS	7.55	6.30
Temperature (deg Celcius)	--	13.58	14.87	17.18	16.01	17.46	14 06	12.97	13.78	17.94	14 08	18 01	13.31	18.50	18.60	13.00	15.34	NS	13.31	18.50
Conductivity (umhos/cm)	--	685	787	740	1023	687	917	731	970	979	969	1015	828	870	1140	625	534	NS	828	870
Turbidity (NTU)	5	41 0	71.0	95 0	28.0	60.0	8.0	552.0	83.0	2.0	6.0	509.0	146.0	202.0	112.0	1500 0	84.0	NS	146.0	202.0
Dissolved Oxygen (ppm) (2)	--	10.72	0.89	0.39	0.93	0.85	3.49	1 25	1.08	3.69	9.97	4.12	1.35	0.58	0.54	0 79	0.62	NS	1.35	0.58
Volatile Organic Compound by ASP/CLP Method (ug/L)																				
Methylene Chloride	5	5U	5U	6	5U	7	5	5U	5U	8	9	5U	5U	10U	5U	5U	5U	5U	5U	5U
Acetone	--	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10U	10UJ	10UJ	10UJ	10U	140J	10UJ	10UJ	10UJ	100	10UJ	180J
Dibromochloromethane	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	10U	5U	5U	5U	5U	5U	5U
1,1-Dichloroethane	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	2J	**190**	**27**	5U	5U	5U	2J	**180**
1,2-Dichloroethene, Total	5	5U	5U	5U	5U	5U	5U	5U	3J	5U	5U	5U	5U	10U	5U	5U	5U	5U	5U	3J
2-Butanone	50	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	10UJ	**34J**	10UJ	10UJ	10UJ	**72J**	10UJ	**50J**
1,1,1-Trichloroethane	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	**27**	1J	5U	5U	5U	5U	**26**
1,1,2-Trichloroethane	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	10U	5U	5U	5U	5U	5U	5U
Tetrachloroethene	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	**240**	**97**	5U	5U	5U	5U	**220**
Toluene	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	**22**	5	5U	5U	5U	5U	**21**
Ethylbenzene	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	10U	5U	5U	5U	5U	5U	5U
Xylenes, Total	5	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	**43**	9J	5U	5U	5U	5U	**38**
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)																				
Phenol	1	10U	10U	10U	10U	10U	10U	10U	2BJ	10U	10U	10U	10U	**120**	**43J**	10U	10U	10U	10U	**130**
4-Methylphenol	1	10U	10U	10U	3J	10U	10U	10U	10U	10U	10U	10U	10U	**820**	**390**	10U	10U	10U	10U	**840**
2,4-Dimethylphenol	--	10U	2U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	100U	50U	10U	10U	10U	10U	100U
Naphthalene	--	10U	10U	10U	10U	10U	10U	2U	10U	10U	10U	1J	10U	**1200**	**430**	10U	10U	10U	10U	**1100**
2-Methylnaphthalene	--	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	110	25J	10U	10U	10U	10U	110
Butyl benzyl phthalate	--	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	100U	50U	10U	10U	10U	10U	100U
Di-n-butyl phthalate	50	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	38J	50U	10U	10U	10U	10U	38J
Bis (2-ethylhexyl) phthalate	50	10U	6J	10U	13	10U	10U	10U	5J	10U	10U	10U	10U	17J	6J	5J	1J	10U	2J	17J

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.

(2) = DO measurement incorrect due to malfunctioning meter.

TIC = Tenatively Identified Compound.

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 = Re-extraction exceeded holding time, therefore, non-detected results rejected. Detections were qualified as estimated (J).

NS = Not Sampled.

ND = Not Detected.

TABLE 5
NALYTICAL RESULTS OVERBURDEN MONITORING WELLS -SEPTEMBER 10 AND 11, 200
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)	A-8S	A-26S	A-27S	A-41S	A-42S	A-43S
pH	6.5-8.5	8.20	6.83	7.43	7.43	7.26	7.50
Temperature (deg Celcius)	--	13.43	13.34	14.81	15.16	15.01	13.88
Conductivity (umhos/cm)	--	838	959	754	735	776	872
Turbidity (NTU)	5	208.0	111.0	56.0	546.0	612.0	71.00
Dissolved Oxygen (mg/l)	--	0.83	0.59	0.67	0.52	1.63	0.94
Volatile Organic Compound by ASP/CLP Method (ug/L)							
Vinyl Chloride	2	10U	10U	10U	10UJ	**130J**	10J
Methylene Chloride	5	5U	5U	**8**	5U	5U	5U
Chloroethane	5	10U	10UJ	10U	10U	**79**	10U
1,1-Dichloroethane	5	5U	**16**	5U	5U	**11**	2J
1,2-Dichloroethene, Total	5	5U	5U	**11**	5U	**15**	5U
Toluene	5	5U	5U	5U	5U	**8**	5U
Xylenes, Total	5	5U	5U	5U	5U	**17**	5U
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)							
Naphthalene	10	10U	10U	9J	10U	**480**	10U
2-Methylnaphthalene	--	10U	10U	10U	10U	11J	10U
bis(2-Ethylhexyl) phthalate	50	10U	3J	10U	10U	12J	5J

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.

TIC = Tenatively Identified Compound.

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.

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	9/10/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01	9/10/01
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	10U	9U	9U	9U	9U	10UR	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

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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	9/10/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01	9/10/01
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	**1J**	**6J**	**2J**	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	10U	**0.7J**	9UJ	9U	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.

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FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

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

Notes

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

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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	9/10/01	5/20/99	6/28/00	9/21/00	12/6/00	3/29/01	6/20/01	9/10/01
1,1-Dichloroethane	5	**11**	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	**3J**	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**30**	9U	**1J**	10U	**6J**	**10U**	**2J**	10U	9U	9U	10U	9U	10U	10U

Notes:

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

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

Notes

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

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

Notes.

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

BOLD values indicate laboratory detections.

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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	9/10/01	5/20/99	6/28/00	9/21/00	12/7/00	3/29/01	6/20/01	9/10/01
1,1-Dichloroethane	5	**530**	**99**	**170J**	**160J**	**20J**	**210**	**190**	**61**	**39J**	**8J**	**5J**	**10J**	**11**	**27**
1,1,1-Trichloroethane	5	**150**	**24**	**45J**	**25J**	200U	**61**	**27**	29	40U	40U	40U	**5J**	25U	**1J**
Trichloroethene	5	10U	**2J**	200U	200U	200U	25U	5U	**13J**	40U	40U	40U	40U	25U	25U
Tetrachloroethene	5	**490**	**56D**	**680**	**260**	**210**	**340**	**240**	**250**	40U	**36J**	**52**	**44**	**53**	**97**
Toluene	5	40U	**9J**	**25J**	200U	200U	**30**	**22**	10U	40U	40U	10U	40U	**3J**	**5**
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	**1100D**	**710D**	**9600D**	**2200D**	**1000D**	**3300UR**	**1200**	**19**	**88**	**140**	**410**	52U	**3200J**	**430**

Notes:

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

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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	9/10/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01	9/10/01
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	NI	57	9U	10U	9U	10U	10U	10U	9U	9U	9U	9U	10U	10U

Notes:

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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	9/10/01	5/20/99	6/28/00	9/21/00	12/6/00	3/28/01	6/20/01	9/10/01
1,1-Dichloroethane	5	10U	NS	10UJ	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
1,1,1-Trichloroethane	5	10U	NS	10UJ	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Trichloroethene	5	10U	NS	10UJ	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Tetrachloroethene	5	10U	NS	10UJ	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Toluene	5	10U	NS	10UJ	10U	10U	5U	5U	NI	10U	10U	10U	10U	5U	5U
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	10U	NS	9UR	10U	10U	10U	10U	NI	9U	9UJ	9U	9U	10U	10U

Notes

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

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

Notes.

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

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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	9/10/01	5/20/99	6/28/00	9/21/00	12/7/00	3/28/01	6/20/01	9/10/01
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	5U	NI	40U	**11**	**16J**	**4J**	**2J**	**11**
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	5U	NI	40U	10U	40U	10U	5U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	5U	NI	40U	10U	10U	10U	5U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	5U	NI	40U	10U	40U	10U	5U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	5U	NI	**8J**	**22**	**15J**	**2J**	**4J**	**8**
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	NI	10U	9UJ	10U	9U	10U	10U	NI	**760D**	**1200D**	**1100D**	**550**	**770**	**480**

Notes

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

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

Notes

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

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

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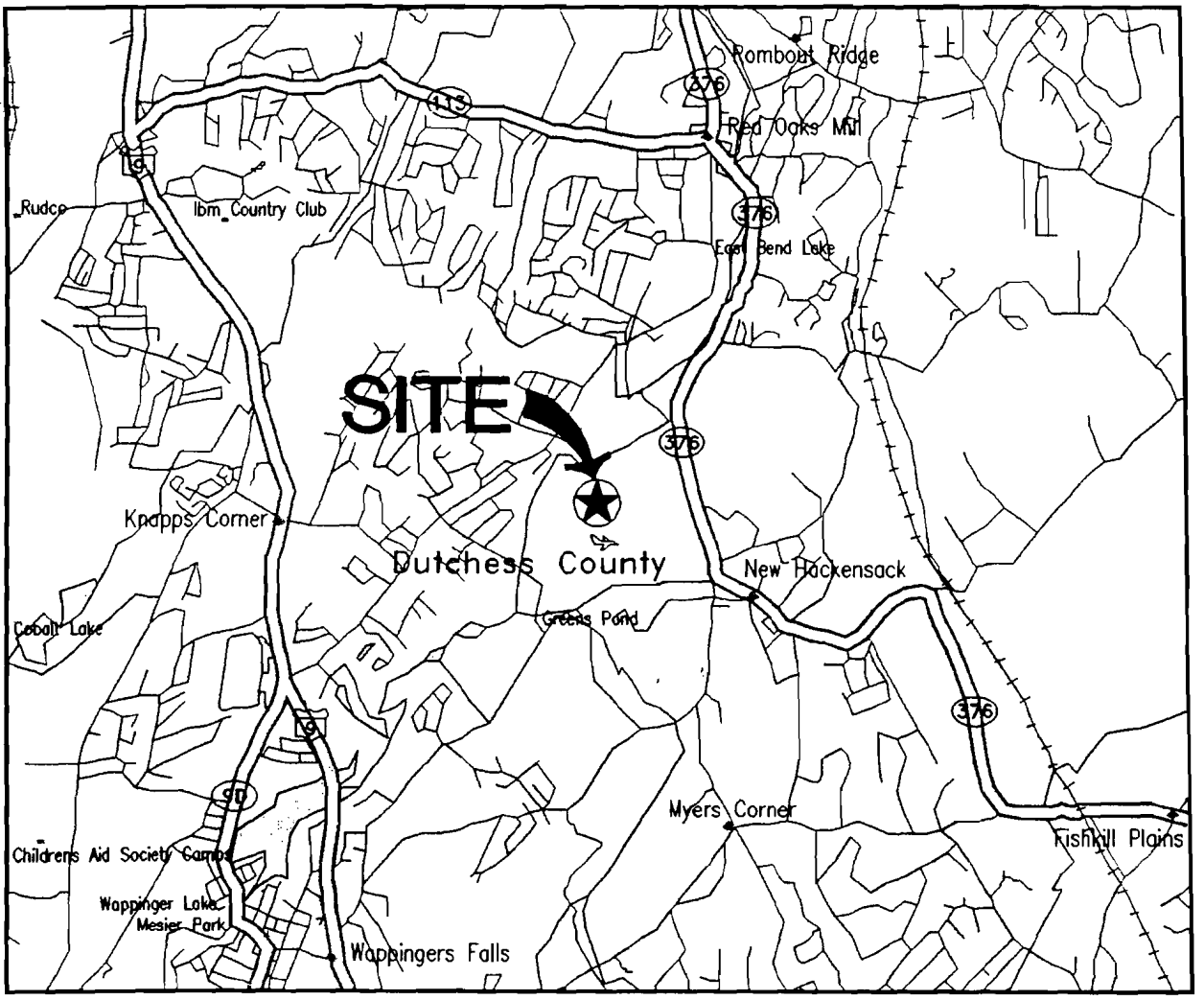
ND = Not Detected

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALB	S. SHKOLNIK 11-28-00			820131A1



SCALE 1:62,500

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

IT CORPORATION

FLAGSHIP
AIRLINES, INC.
(DBA AMERICAN EAGLE)

FIGURE 1

SITE LOCATION MAP
DUTCHESS COUNTY AIRPORT
WAPPINGER FALLS, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALBANY, NY	S. SHKOLNIK 09-28-00			11100729D2

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-18, ME-19

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

DG-1

EW-4, SP-6, MW-20, EW-5, SP-7, EW-6, SP-5, MW-4, MW-8, EW-7, SP-2, EW-2, SP-3, SP-4, EW-3, PZ-1

MW-2, MW-9, ST-1, EW-1, MW-10, MW-6, MW-7A, MW-5, MW-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.

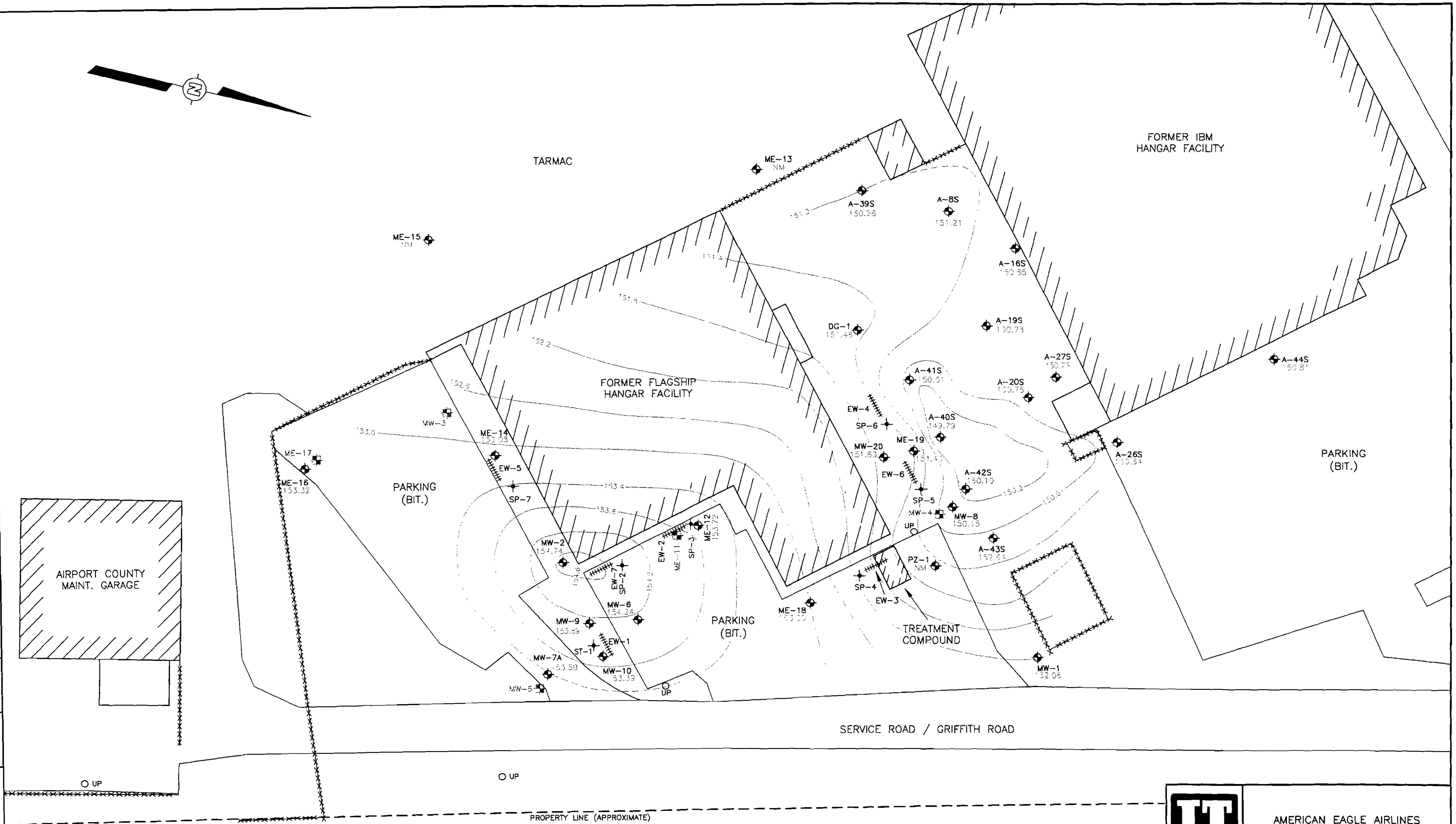
PLOT DATE: 02/27/01
FORMAT REVISION 9/24/99

IT CORPORATION

AMERICAN EAGLE AIRLINES

FIGURE 2
WELL LOCATION MAP
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK



TARMAC
ME-13
NM
ME-15
NM
A-39S
150.96
A-8S
151.21
A-16S
150.85
A-19S
150.73
DG-1
FORMER IBM
HANGAR FACILITY
FORMER FLAGSHIP
HANGAR FACILITY
A-44S
A-27S
A-41S
A-20S
EW-4
SP-6
A-40S
149.79
MW-20
ME-19
EW-6
A-42S
A-26S
PARKING
(BIT.)
SP-5
MW-4
MW-8
150.15
UP
A-43S
PZ-1
NM
MW-3
ME-14
ME-17
ME-16
153.32
EW-5
SP-7
PARKING
(BIT.)
MW-2
154.74
EW-7
SP-2
EW-2
ME-11
SP-3
ME-12
153.72
MW-6
154.24
MW-9
EW-1
ST-1
MW-7A
MW-10
MW-5
UP
ME-18
SP-4
EW-3
TREATMENT
COMPOUND
MW-1
PARKING
(BIT.)
AIRPORT COUNTY
MAINT. GARAGE
SERVICE ROAD / GRIFFITH ROAD
UP
UP
PROPERTY LINE (APPROXIMATE)

DRAWING NUMBER 820131D22 | APPROVED BY | CHECKED BY | DRAWN BY SSH/SL/DMC 10-30-01 | OFFICE ALBANY, NY | X-REF --- | IMAGE ---

PLOT DATE: 11/05/01
FORMAT REVISION 9/24/99

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

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

IT CORPORATION

AMERICAN EAGLE AIRLINES

FIGURE 3
GROUNDWATER CONTOUR MAP

SEPTEMBER 10-11, 2001
WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER	820131D21
APPROVED BY	
CHECKED BY	
DRAWN BY	SSH/SL/DMC 10-30-01
OFFICE	ALBANY, NY
X-REF	---
IMAGE	---

PLOT DATE: 10/30/01
FORMAT REVISION 9/24/99

N

ME-15	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

ME-13	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

A-8S	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

DG-1	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

A-41S	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

A-27S	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
9 J	

ME-16	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	

ME-14	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

MW-2	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

ME-12	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

MW-20	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

ME-19	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
2 J	

A-26S	
9/10-11/01	
16	
ND	
ND	
ND	
ND	
ND	

A-42S	
9/10-11/01	
11	
ND	
ND	
ND	
8	
480	

MW-9	
9/10-11/01	
190	
27	
ND	
240	
22	
1,200	

MW-6	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

ME-18	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

MW-8	
9/10-11/01	
2 J	
ND	
ND	
ND	
ND	
ND	

MW-1	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
ND	

MW-7A	
9/10-11/01	
ND	
ND	
ND	
ND	
ND	
1 J	

MW-10	
9/10-11/01	
27	
1 J	
ND	
97	
5	
430	

A-43S	
9/10-11/01	
2 J	
ND	
ND	
ND	
ND	
ND	

TARMAC

FORMER IBM HANGER FACILITY

FORMER FLAGSHIP HANGER FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

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

LEGEND:

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

ME-13	WELL ID
9/10-11/01	DATE
ND	DCA
ND	1,1,1-TCA
ND	TCE
ND	PCE
ND	TOLUENE
ND	NAPHTHALENE

ND	NOT DETECTED
D	SAMPLE DILUTED
J	ESTIMATED CONCENTRATION
B	ASSECIATED WITH BLANK
R	RE-EXTRATION, NON-DETECTS REJECTED DUE TO HOLDING TIME EXCEEDENCE

SCALE
0 20 40 60 FEET

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

IT CORPORATION

AMERICAN EAGLE AIRLINES

FIGURE 4
ANALYTICAL SUMMARY MAP

SEPTEMBER 10-11, 2001
WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER 820131D23
APPROVED BY
CHECKED BY
DRAWN BY S. SHKOLNIK 10-31-01
OFFICE ALBANY, NY
X-REF ---
IMAGE ---

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 10U
A-39S
A-8S 10U
ME-15 10U
A-16S
DG-1 10U
A-19S
A-41S 10U
A-27S 9J
A-44S
A-20S
EW-4
SP-6
A-40S
A-26S 10U
MW-20 10U
ME-19 2J
EW-6
SP-5
A-42S 480
-100 ug/l-
-10 ug/l-
MW-8 10U
A-43S 10U
PZ-1
MW-3
ME-17
ME-14 10U
EW-5
ME-16 10U
SP-7
MW-2 10U
EW-2
SP-2
SP-3
ME-12 10U
EW-7
SP-4
EW-3
MW-9 1,200
MW-6 10U
ME-18 10U
ST-1
EW-1
MW-10 3,200J
MW-7A 1J
MW-5
MW-1 10U
UP
10 ug/l
100 ug/l
1,000 ug/l

LEGEND:

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

PLOT DATE: 10/31/01
FORMAT REVISION 9/24/99

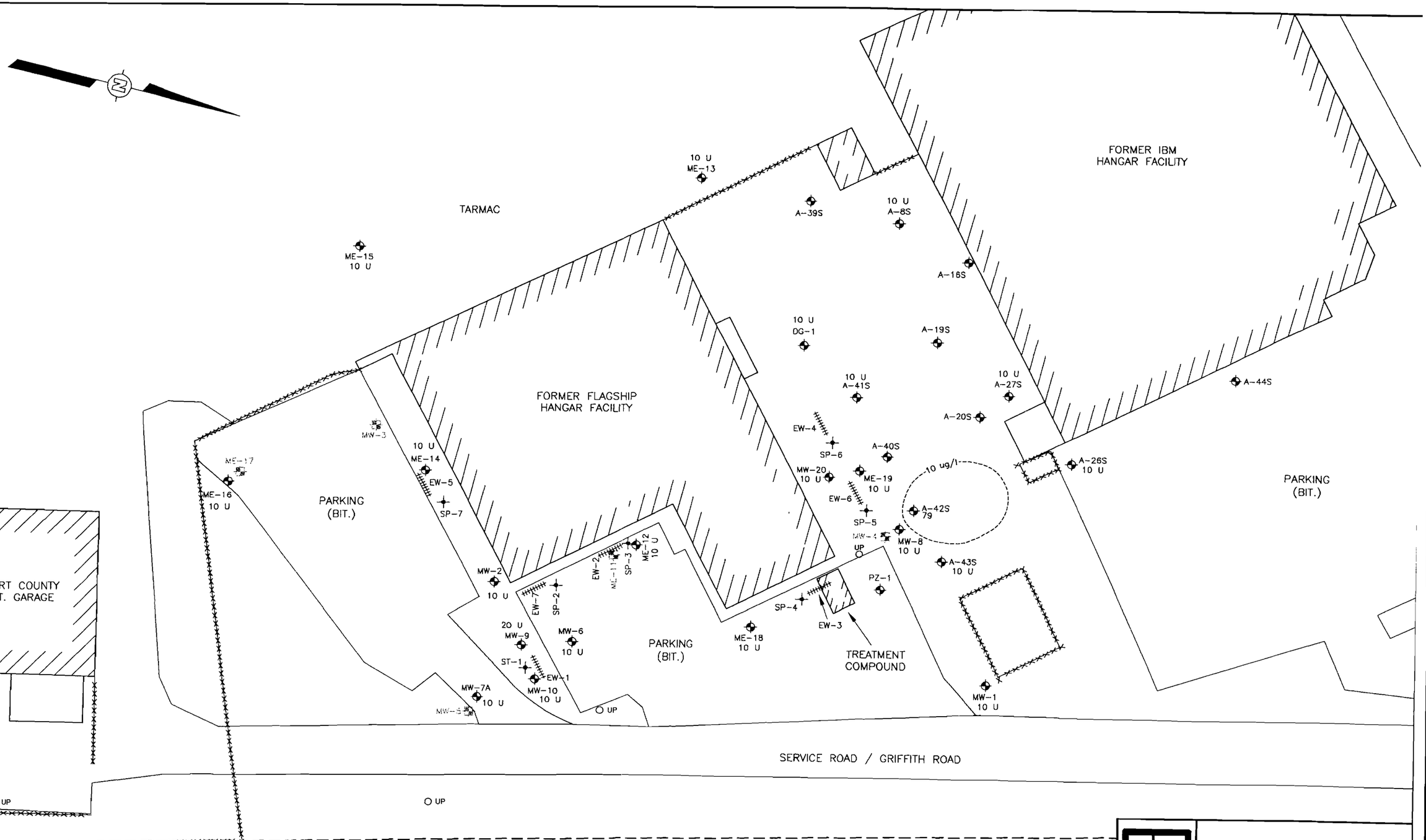
IT CORPORATION

AMERICAN EAGLE AIRLINES

FIGURE 5
NAPHTHALENE ISOCHRON MAP (9/10/01)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER	820131D24
APPROVED BY	
CHECKED BY	
DRAWN BY	S. SHKOLNIK 10-30-01
OFFICE	ALBANY, NY
X-REF	---
IMAGE	---



LEGEND:

SHALLOW WELL	EXTRACTION WELL	J	ESTIMATED
BEDROCK WELL	PROPERTY LINE (APPROXIMATE)	U	NON DETECT
SPARGE WELL	CHLOROETHANE ISOCHRON (DASHED WHERE INFERRED)		

SCALE
0 20 40 60 FEET

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

PLOT DATE: 10/30/01
FORMAT REVISION 9/24/99

IT CORPORATION

AMERICAN EAGLE AIRLINES

FIGURE 6
CHLOROETHANE ISOCHRON MAP (9/10/01)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER 820131D25
APPROVED BY
CHECKED BY
DRAWN BY S. SHKOLNIK 10-31-01
OFFICE ALBANY, NY
X-REF ---
IMAGE ---

N

TARMAC

FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

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

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.

PLOT DATE: 11/01/01
FORMAT REVISION 9/24/99

IT CORPORATION

AMERICAN EAGLE AIRLINES

FIGURE 7
1,2-DICHLOROETHENE ISOCHRON MAP (9/10/01)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

Figure 8
Former Flagship Hangar Site
Dissolved TetrachloroetheneTrends (PCE), MW-9 & MW-10

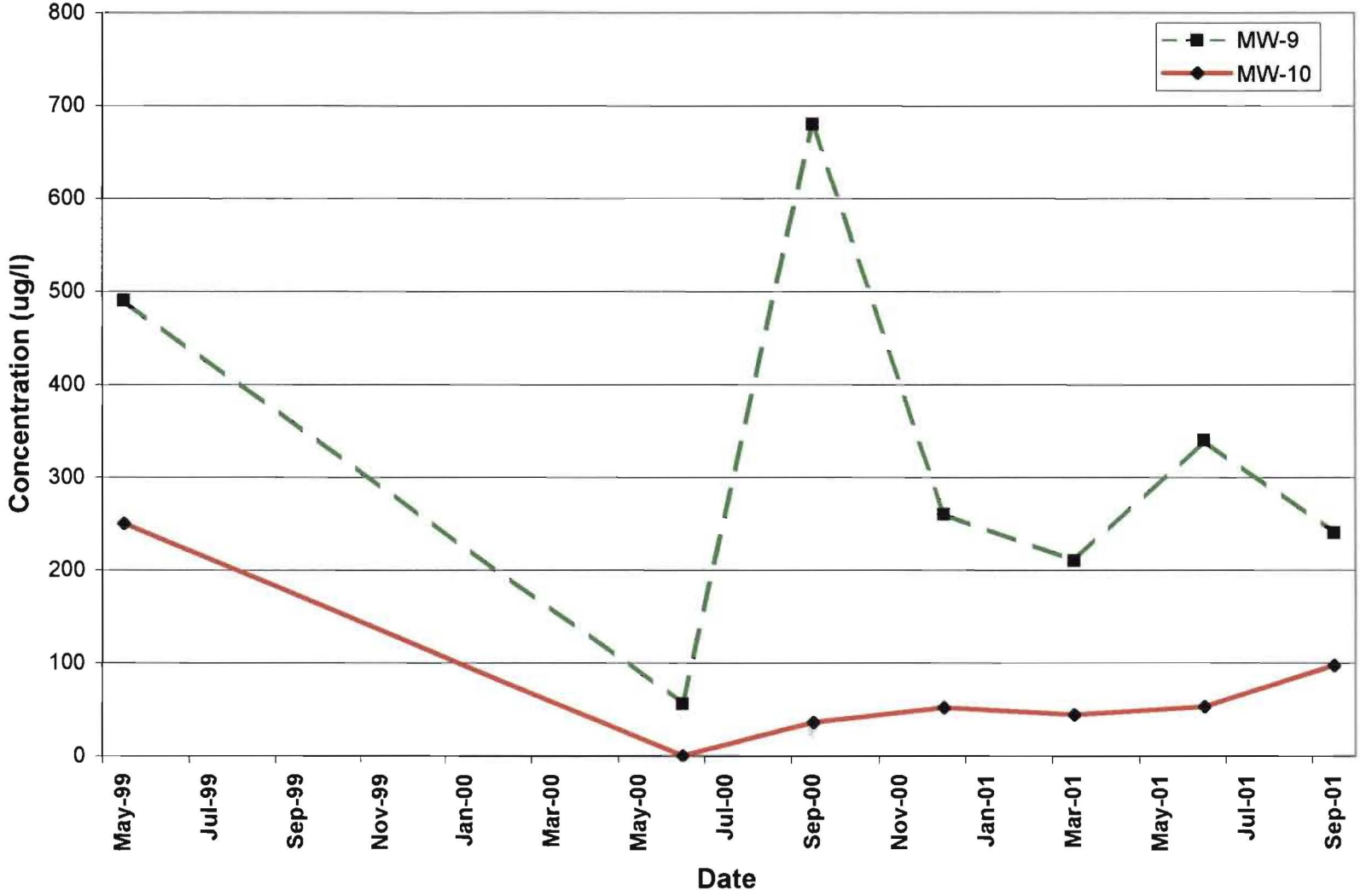


Figure 9
Former Flagship Hangar Site
Dissolved 1,1-Dichloroethane Trends, MW-9, MW-10 & A-42S

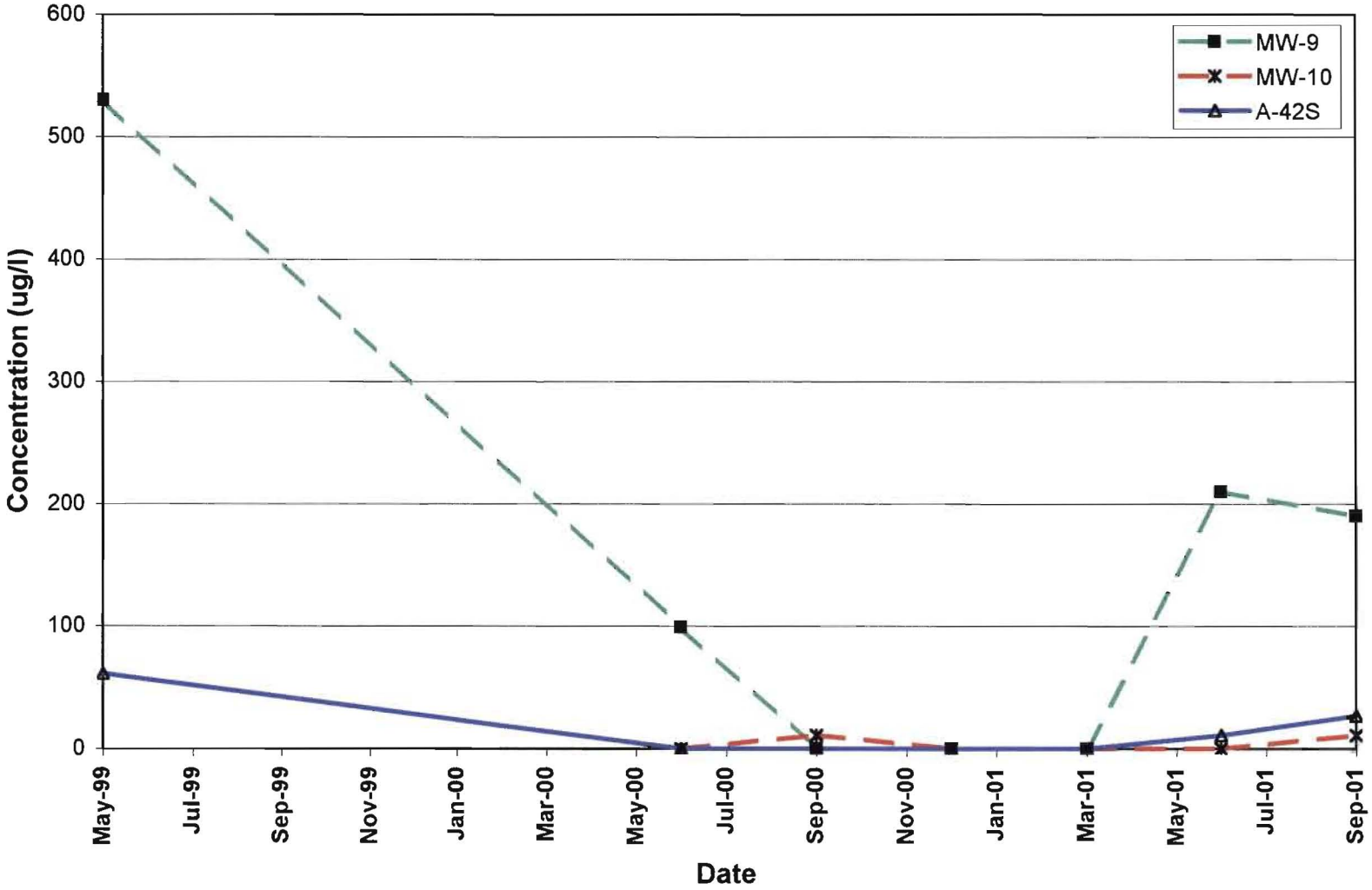
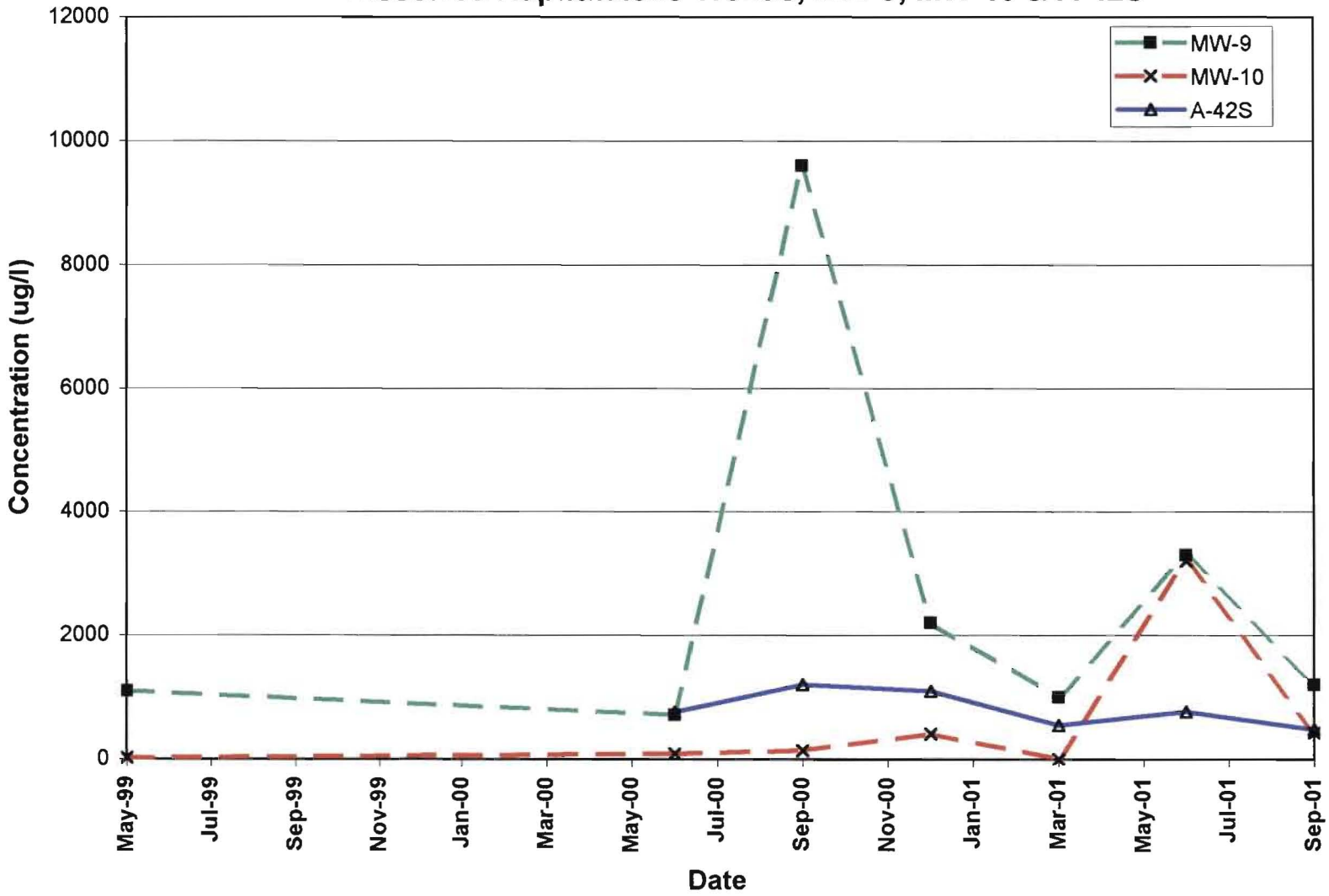


Figure 10
Former Flagship Hangar Site
Dissolved Naphthalene Trends, MW-9, MW-10 & A-42S



APPENDIX A

ANALYTICAL RESULTS – SVE System

@ AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0109168

Work Order Summary

CLIENT:	Mr. Tony Perretta IT Corporation 13 British American Blvd. Latham, NY 12110	**BILL TO:**	Mr. Tony Perretta IT Corporation 13 British American Blvd. Latham, NY 12110
PHONE:	518-783-1996	**P.O. #**	
FAX:	518-783-8397	**PROJECT #**	820131 Flagship
DATE RECEIVED:	09/14/2001	**CONTACT:**	Betty Chu
DATE COMPLETED:	09/28/2001		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	SVE Influent North Leg	TO-14	11.0 "Hg
02A	SVE Final Effluent North Leg	TO-14	8.0 "Hg
03A	SVE Influent South Leg	TO-14	12.5 "Hg
04A	SVE Final Effluent South Leg	TO-14	10.0 "Hg
05A	Lab Blank	TO-14	NA
06A	LCS	TO-14	NA

CERTIFIED BY: Linda D. Truman DATE: 09/28/01

Laboratory Director

Certfication numbers: CA ELAP - 1149, NY ELAP - 11291, UT ELAP - E-217, AZ ELAP - AZ0567, LA - AI 30763

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
TO-14
IT Corporation
Workorder# 0109168

Four 6 Liter Summa Canister samples were received on September 14, 2001. The laboratory performed analysis via EPA Method TO-14 using GC/MS in the full scan mode. The method involves concentrating up to 0.5 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis. See the data sheets for the reporting limits for each compound.

During the five point calibration, two low-level standards are used. The low-level standard for TO-14 compounds is spiked at 0.5 ppbv and represents the reporting limit for these compounds. The low-level standard for the non-TO-14 compounds is spiked at 2.0 ppbv and represents the reporting limit for these compounds. The TO-14 compounds are present in both standards but are excluded from reporting in the 2.0 ppbv standard since a lower level is already included in the curve.

Method modifications taken to run these samples include:

Requirement	*TO-14*	*ATL Modifications*
Internal standard retention times.	Not specified.	Within 0.50 minutes of most recent daily CCV internal standards
Internal standard recoveries.	Not specified.	Within 40% of the daily CCV internal standard area for blanks and samples.
Initial calibration criteria.	Not specified.	RSD of 30% or less for standard compounds, 40% or less for non-standard and polar compounds
Continuing calibration verification criteria	Not specified.	70 - 130% for at least 90% of standard compounds, 60 - 140% for at least 80% of non-standard and polar compounds
Response factor for quantitation.	Average response factor (ICAL).	Average response factor (ICAL).

Receiving Notes

The chain of custody information for samples SVE Influent North Leg, SVE Final Effluent North Leg, SVE Influent South Leg, SVE Final Effluent South Leg did not match the entry on the sample tag. The client was notified and the information on the chain of custody was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit(background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
N - The identification is based on presumptive evidence.

AIR TOXICS LTD.

SAMPLE NAME: SVE Influent North Leg

ID#: 0109168-01A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092515**	**Date of Collection:**	**9/11/01**
Dil. Factor:	**2.12**	**Date of Analysis:**	**9/25/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Trichloroethene	1.1	5.8	Not Detected	Not Detected
Tetrachloroethene	1.1	7.3	2.5	18
Toluene	1.1	4.0	Not Detected	Not Detected
1,1-Dichloroethane	1.1	4.4	Not Detected	Not Detected
1,1,1-Trichloroethane	1.1	5.9	Not Detected	Not Detected
Naphthalene	21	110	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	94	70-130

AIR TOXICS LTD.

SAMPLE NAME: SVE Final Effluent North Leg

ID#: 0109168-02A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092513**	**Date of Collection:**	**9/11/01**
Dil. Factor:	**1.83**	**Date of Analysis:**	**9/25/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Trichloroethene	0.92	5.0	Not Detected	Not Detected
Tetrachloroethene	0.92	6.3	Not Detected	Not Detected
Toluene	0.92	3.5	Not Detected	Not Detected
1,1-Dichloroethane	0.92	3.8	Not Detected	Not Detected
1,1,1-Trichloroethane	0.92	5.1	Not Detected	Not Detected
Naphthalene	18	97	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	122	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	95	70-130

AIR TOXICS LTD.

SAMPLE NAME: SVE Influent South Leg

ID#: 0109168-03A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092516**	**Date of Collection:**	**9/11/01**
Dil. Factor:	**2.30**	**Date of Analysis:**	**9/25/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Trichloroethene	1.2	6.3	1.4	7.5
Tetrachloroethene	1.2	7.9	130	870
Toluene	1.2	4.4	Not Detected	Not Detected
1,1-Dichloroethane	1.2	4.7	3.4	14
1,1,1-Trichloroethane	1.2	6.4	16	88
Naphthalene	23	120	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	127	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	94	70-130

AIR TOXICS LTD.

SAMPLE NAME: SVE Final Effluent South Leg

ID#: 0109168-04A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092514**	**Date of Collection:**	**9/11/01**
Dil. Factor:	**2.01**	**Date of Analysis:**	**9/25/01**

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Trichloroethene	1.0	5.5	Not Detected	Not Detected
Tetrachloroethene	1.0	6.9	Not Detected	Not Detected
Toluene	1.0	3.8	Not Detected	Not Detected
1,1-Dichloroethane	1.0	4.1	Not Detected	Not Detected
1,1,1-Trichloroethane	1.0	5.6	Not Detected	Not Detected
Naphthalene	20	110	Not Detected	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	125	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	85	70-130

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0109168-05A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092511**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/01**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	Amount (ppbv)	Amount (uG/m3)
Trichloroethene	0.50	2.7	Not Detected	Not Detected
Tetrachloroethene	0.50	3.4	Not Detected	Not Detected
Toluene	0.50	1.9	Not Detected	Not Detected
1,1-Dichloroethane	0.50	2.0	Not Detected	Not Detected
1,1,1-Trichloroethane	0.50	2.8	Not Detected	Not Detected
Naphthalene	10	53	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	120	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	86	70-130

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0109168-06A

EPA METHOD TO-14 GC/MS FULL SCAN

File Name:	**r092506**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/25/01**	

Compound	Rpt. Limit (ppbv)	Rpt. Limit (uG/m3)	%Recovery
Trichloroethene	0.50	2.7	115
Tetrachloroethene	0.50	3.4	128
Toluene	0.50	1.9	118
1,1-Dichloroethane	0.50	2.0	127
1,1,1-Trichloroethane	0.50	2.8	130
Naphthalene	10	53	Not Spiked

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

[illegible]

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Contact Person: Brian Newman
Company: IT Corporation
Address: 13 British American Blvd City: Latham State: NY Zip: 12110
Phone: 518 783 1996 FAX: 518 783 8397
Collected By: Signature [signature]

Project info:
P.O. #
Project #: 820131
Project Name: Flagship

Turn Around Time:
☒ Normal
☐ Rush
Specify

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure / Vacuum Initial	Final	Receipt
01A	SVE Influent North Leg	9-11-01 2 hr. 0800-1000	TO14 Short List	28	11	11"Hg
02A	SVE Final Effluent North Leg	9-11-01 2 hr. 0800-1000	TO14 Short List	30	9	8"Hg
03A	SVE Influent South Leg	9-11-01 2 hr. 1020-1220	TO14 Short List	24	12	12.5"Hg
04A	SVE Final Effluent South Leg	9-11-01 2 hr. 1020-1220	TO14 Short List	30	10	10"Hg

Relinquished By: (Signature) Date/Time [signature] 9-11-01 1700
Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time
Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time
Received By: (Signature) Date/Time Kelly Buettner 9/14/01 1005

Notes: Flagship TO-14 List

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp. (°C)	Condition	Custody Seals Intact?	Work Order #
	Airborne [illegible]		KCB		good	Yes No (None)	0109168

APPENDIX B

Validated Analytical Results – Groundwater
(September 10 and 11, 2001)

VALIDATA

Chemical Services, Inc.

4070 Balleycastle Lane, Duluth, GA 30097

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

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

11/5/01

Dear Mr. Peretta:

Please find enclosed data validation reports and qualified Form I's for Flagship Project / Dutchess County Airport SDGs A-8S and A-26S.

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.

P. O. Box 930422, Norcross, GA 30003

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY
REPORT

COMPANY:	IT Corporation
SITE NAME:	Flagship Project / Dutchess County Airport, Poughkeepsie, NY
CONTRACTED LAB:	Adirondack Environmental Services, Inc.
CASE NUMBER:	IT-104
AES JOB NUMBER:	A-8S
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, Semivolatiles Organics
SDG NUMBER:	A-8S (Level IV)
SAMPLE DATE:	September 11, 2001

OVERVIEW

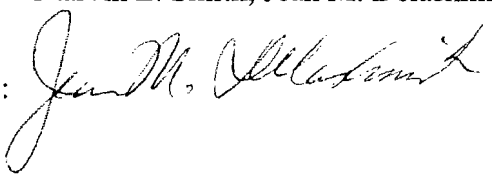
SAMPLES:

Client Sample #	Lab Sample #	Matrix	Volatile Organics	Semi-volatiles
A-8S	010911AU-01	Water	X	X
A-27S	010911AU-02	Water	X	X
ME-12	010911AU-05	Water	X	X
ME-14	010911AU-09	Water	X	X
ME-16	010911AU-08	Water	X	X
ME-18	010911AU-04	Water	X	X
MW-2	010911AU-07	Water	X	X
MW-6	010911AU-06	Water	X	X
MW-7A	010911AU-10	Water	X	X
MW-9	010911AU-11	Water	X	X
MW-10	010911AU-13	Water	X	X
Duplicate #2	010911AU-12	Water	X	X
Field Blank #2	010911AU-03	Water	X	X
TB	010911AU-14	Water	X	
ME-14MS	010911AU-09MS	Water	X	X
ME-14MSD	010911AU-09MSD	Water	X	X

Sample ID Code: TB = TRIP BLANK

Suffix Codes: MS = MATRIX DUPLICATE, MSD = MATRIX SPIKE DUPLICATE

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

Adirondack Environmental Services, Inc. - A-8S CLP Organics

SAMPLES: A-8S, A-27S, ME-12, ME-14, ME-16, ME-18, MW-2, MW-6, MW-7A, MW-9, MW-10, Duplicate #2, Field Blank #2, TB

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for volatile organics were performed by GC / MS using EPA Method 8260.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

No major problems were observed in this 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:

All Initial Calibration criteria were met. No action was required.

Continuing Calibration:

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/14/01 at 10:07 on instrument H5970D for the following compounds:

chloromethane	26.2%
chloroethane	25.7%
acetone	48.5%
2-butanone	28.4%
2-hexanone	32.4%

All results for these compounds in the associated samples, which consisted entirely of non-detects, were qualified as estimated (UJ). The associated samples were A-8S, A-27S, ME-12, ME-14, ME-16, ME-18, MW-2 and MW-6.

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/17/01 at 10:38 on instrument H5970D for the following compounds:

acetone	46.7%
1,1-dichloroethene	26.7%
2-butanone	27.0%
2-hexanone	38.5%

All positive and non-detect results for these compounds in the associated samples were qualified as estimated (J) and(UJ). The associated samples were MW-7A, MW-9 and MW-10.

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/18/01 at 10:05 on instrument H5970D for the following compounds:

chloromethane	33.7%
acetone	52.8%
2-butanone	32.7%
2-hexanone	31.3%

All positive and non-detect results for these compounds in associated sample Field Duplicate #2 were qualified as estimated (J) and (UJ).

IV.) Blanks:

Method Blanks:

Methylene chloride was detected at 6 ug/L in method blank VBLK02. Since there were no detections of this compound in associated samples MW-7A, MW-9 and MW-10, no action was taken.

Field Blanks:

There were no detections in the field and trip blanks. No action was taken.

Tentatively Identified Compounds (TIC):

TIC data was not included in the data package. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Laboratory Control Samples (LCS):

One LCS was 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):

All MS / MSD criteria were met. No action was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (MW-9 / Duplicate #2) was analyzed in this SDG. The calculable Relative Percent Differences (RPDs) were:

Compound	MW-9	Duplicate #2	RPD
acetone	140 ug/L	180 ug/L	25%
1,1-dichloroethane	190 ug/L	180 ug/L	5.4%
2-butanone	34 ug/L	50 ug/L	38%
1,1,1-trichloroethane	27 ug/L	26 ug/L	3.8%
tetrachloroethene	240 ug/L	220 ug/L	8.7%
toluene	22 ug/L	21 ug/L	4.7%
m,p-xylenes	18 ug/L	17 ug/L	5.7%
o-xylene	25 ug/L	21 ug/L	17%

The RPD for 2-butanone exceeded the 30% advisory limit for water samples. Data validation action based on field duplicate RPD criteria was not required. No action was taken

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):

All Compound Quantitation and CRQL criteria were met. No action was taken.

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 EPA Method 8270.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

No major problems were observed in this 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 taken.

III.) Calibration:

Initial Calibration:

The Percent Relative Standard Deviations (%RSDs) exceeded the 30% QC limit for the standards analyzed on 8/9/01on instrument 5973B for the following compounds:

4-chloroaniline	40.7%
3-nitroaniline	43.8%
4-nitroaniline	68.3%
anthracene	49.0%

Since there were no detections of these compounds in the SDG samples, no action was taken.

Continuing Calibration:

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/18/01 at 09:47 on instrument 5973B for the following compounds:

n-nitroso-di-n-propylamine	28.8%
4-chloroaniline	34.6%
hexachlorocyclopentadiene	42.5%
3-nitroaniline	34.2%
2,4-dinitrophenol	35.8%
3,3'-dichlorobenzidine	28.0%
di-n-octylphthalate	26.4%

All results for these compounds in the associated samples, which consisted entirely of non-detects, were qualified as estimated (UJ). The associated samples were A-8S and A-27S.

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/21/01 at 09:17 on instrument 5973B for the following compounds:

n-nitroso-di-n-propylamine	37.8%
3-nitroaniline	72.5%
2,4-dinitrophenol	38.8%
4-nitrophenol	29.6%

3,3'-dichlorobenzidine	47.8%
di-n-octylphthalate	26.0%

All results for these compounds in the associated samples, which consisted entirely of non-detects, were qualified as estimated (UJ). The associated samples were ME-12, ME-14, ME-16, ME-18, MW-2, MW-6 and MW-7A.

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/24/01 at 10:48 on instrument 5973B for the following compounds:

n-nitroso-di-n-propylamine	30.2%
4-chloroaniline	39.2%
hexachlorocyclopentadiene	27.2%
3-nitroaniline	64.2%
2,4-dinitrophenol	65.7%
4,6-dinitro-2-methylphenol	43.7%
3,3'-dichlorobenzidine	46.1%
di-n-octylphthalate	43.9%
benzo(k)fluoranthene	29.8%

All results for these compounds in the associated samples, which consisted entirely of non-detects, were qualified as estimated (UJ). The associated samples were MW-9, MW-10 and Duplicate #2.

IV.) Blanks:

There were no detections in the method and field blanks. No action was taken.

Tentatively Identified Compounds (TIC):

TIC data was not included in the data package. No action was required.

V.) Surrogate Recoveries:

The Surrogate Percent Recoveries (%R's) of 2-fluorophenol and terphenyl-d14 were diluted out of sample MW-10. All other Surrogate Recovery criteria were met. No action was taken.

VI.) Laboratory Control Samples (LCS):

One LCS 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 Recovery (%R) of n-nitroso-di-n-propylamine was 120% in spiked sample ME-14MSD, which exceeded the 41-116% QC limits. Data validation action based on MS / MSD criteria alone was not required. No data qualifiers were applied.

VIII.) Field Duplicates:

One set of field duplicate samples (MW-9 / Duplicate #2) was analyzed in this SDG. The calculable Relative Percent Differences (RPDs) were:

Compound	MW-9	Duplicate #2	RPD
phenol	120 ug/L	130 ug/L	8.0%
4-methylphenol	820 ug/L	840 ug/L	2.4%
naphthalene	1200 ug/L	1100 ug/L	8.7%
2-methylnaphthalene	110 ug/L	110 ug/L	0%

All RPD criteria (30%) were met for water samples. No action was necessary.

IX.) Internal Standards Performance (ISTD):

All ISTD Recovery criteria were met. No action was required.

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):

All Compound Quantitation and CRQL criteria were met. No action was necessary.

XII.) System Performance:

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-8S

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1764

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/14/01

GC Column: rtx502.2 ID: .32 (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.	UJ
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	UJ
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	UJ
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	UJ
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	UJ
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-27S

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: A-27S
ample wt/vol: 5.000 (g/mL) ML Lab File ID: D1765
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (mm) Dilution Factor: 1.0
oil 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.	UJ
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	UJ
75-09-2	Methylene Chloride	8.	
67-64-1	Acetone	10.	UJ
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	2.	J
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	UJ
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	UJ
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	11.	
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-12

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: ME-12
ample wt/vol: 5.000 (g/mL) ML Lab File ID: D1768
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (mm) Dilution Factor: 1.0
oil 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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

MV
10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-14

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: ME-14
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1772
Level: (low/med) LOW Date Received: 09/11/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	6.	
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-16

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1771

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/14/01

GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	7.	
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-18

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: ME-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1767

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/14/01

GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	5.	
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1770

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/14/01

GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	8.	
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: MW-6
ample wt/vol: 5.000 (g/mL) ML Lab File ID: D1769
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (mm) Dilution Factor: 1.0
oil 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.	UJ
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	UJ
75-09-2	Methylene Chloride	9.	
67-64-1	Acetone	10.	UJ
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	UJ
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	UJ
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

JMS
10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7A

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: MW-7A
ample wt/vol: 5.000 (g/mL) ML Lab File ID: D1782
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: not dec._____ Date Analyzed: 09/17/01
C Column: rtx502.2 ID: .32 (mm) Dilution Factor: 1.0
oil 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	5.	U
67-64-1	Acetone	10.	UJ
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	UJ
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	UJ
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	UJ
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

ab Name: AES, Inc. Contract:

ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

ample wt/vol: 2.500 (g/mL) ML Lab File ID: D1783

evel: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/17/01

GC Column: rtx502.2 ID: .32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	20.	U
74-83-9	Bromomethane	20.	U
75-01-4	Vinyl Chloride	20.	U
75-00-3	Chloroethane	20.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	140.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	UJ
75-34-3	1,1-Dichloroethane	190.	
156-60-5	1,2-Dichloroethene-trans	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	34.	J
71-55-6	1,1,1-Trichloroethane	27.	
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	4-Methyl-2-Pentanone	20.	U
591-78-6	2-Hexanone	20.	UJ
127-18-4	Tetrachloroethene	240.	
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	22.	
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
156-59-2	1,2-Dichloroethene-cis	10.	U
106-42-3	m,p-Xylenes	18.	
95-47-6	o-Xylene	25.	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: C1779

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/17/01

GC Column: rtx502.2 ID: .32 (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	5.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U J
75-34-3	1,1-Dichloroethane	27.	
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	1.	J
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	97.	
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	J
95-47-6	o-Xylene	4.	J

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Duplicate #2

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: Duplicate #2
Sample wt/vol: 2.500 (g/mL) ML Lab File ID: D1811
Level: (low/med) LOW Date Received: 09/11/01
% Moisture: not dec._____ Date Analyzed: 09/18/01
GC Column: rtx502.2 ID: .32 (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	20.	U J
74-83-9	Bromomethane	20.	U
75-01-4	Vinyl Chloride	20.	U
75-00-3	Chloroethane	20.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	180.	J
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	180.	
156-60-5	1,2-Dichloroethene-trans	10.	U
67-66-3	Chloroform	10.	U
107-06-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	50.	J
71-55-6	1,1,1-Trichloroethane	26.	
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	4-Methyl-2-Pentanone	20.	U
591-78-6	2-Hexanone	20.	U J
127-18-4	Tetrachloroethene	220.	
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	21.	
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
156-59-2	1,2-Dichloroethene-cis	10.	U
106-42-3	m,p-Xylenes	17.	
95-47-6	o-Xylene	21.	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Field Blank 2

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: Field Blank 2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: C1781

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/17/01

GC Column: rtx502.2 ID: .32 (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	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: TB

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: C1780

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: not dec._____ Date Analyzed: 09/17/01

GC Column: rtx502.2 ID: .32 (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	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix Spike - EPA Sample No.: ME-14

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.	0.	51.	102	61-145
Trichloroethene	50.	0.	49.	98	71-120
Benzene	50.	0.	55.	110	76-127
Toluene	50.	0.	53.	106	76-125
Chlorobenzene	50.	0.	54.	108	75-130

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.	57.	114	11	14	61-145
Trichloroethene	50.	50.	100	2	14	71-120
Benzene	50.	56.	112	2	11	76-127
Toluene	50.	55.	110	4	13	76-125
Chlorobenzene	50.	55.	110	2	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: 0 out of 10 outside limits

COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-8S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: A-8S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1717
Level: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	UJ
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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.	UJ
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.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	UJ
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-8S

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1717

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	UJ
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	UJ
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-27S

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: A-27S

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1718

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	9.	J
106-47-8	4-Chloroaniline	10.	U J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

MS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-27S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: A-27S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1718
Level: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-12

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: ME-12
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1740
Level: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

DMS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-12

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1740

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
51-28-5	2,4-Dinitrophenol		50.	U J
100-02-7	4-Nitrophenol		50.	U J
132-64-9	Dibenzofuran		10.	U
121-14-2	2,4-Dinitrotoluene		10.	U
84-66-2	Diethylphthalate		10.	U
7005-72-3	4-Chlorophenyl-phenylether		10.	U
86-73-7	Fluorene		10.	U
100-01-6	4-Nitroaniline		50.	U
534-52-1	4,6-Dinitro-2-methylphenol		50.	U
86-30-6	n-Nitrosodiphenylamine		10.	U
101-55-3	4-Bromophenyl-phenylether		10.	U
118-74-1	Hexachlorobenzene		10.	U
87-86-5	Pentachlorophenol		50.	U
85-01-8	Phenanthrene		10.	U
120-12-7	Anthracene		10.	U
86-74-8	Carbazole		10.	U
84-74-2	Di-n-butylphthalate		10.	U
206-44-0	Fluoranthene		10.	U
129-00-0	Pyrene		10.	U
85-68-7	Butylbenzylphthalate		10.	U
91-94-1	3,3'-Dichlorobenzidine		20.	U J
56-55-3	Benzo(a)anthracene		10.	U
218-01-9	Chrysene		10.	U
117-81-7	bis(2-Ethylhexyl)phthalate		10.	U
117-84-0	Di-n-octylphthalate		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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ME-14

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1746

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	UJ
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	UJ
83-32-9	Acenaphthene	10.	U

SMS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-14

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1746

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

SNS 10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-16

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1745

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	UJ
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	UJ
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-16

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1745

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-18

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: ME-18

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1739

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-18

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: ME-18

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1739

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

GMS 10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1744

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

GMS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-2

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: MW-2
ample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1744
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
oncentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01
njection Volume: 1.0 (uL) Dilution Factor: 1.0
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

b Name: AES, Inc. Contract:
b Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
latrix: (soil/water) WATER Lab Sample ID: MW-6
mple wt/vol: 1000.0 (g/mL) ML Lab File ID: B1741
vel: (low/med) LOW Date Received: 09/11/01
Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
oncentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01
jection Volume: 1.0 (uL) Dilution Factor: 1.0
C Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

SMS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-6

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: MW-6
ample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1741
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01
njection Volume: 1.0 (uL) Dilution Factor: 1.0
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7A

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1747

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	1.	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

Smd 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7A

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1747

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/21/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1751

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/24/01

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	120.	
111-44-4	bis(2-Chloroethyl)ether	100.	U
95-57-8	2-Chlorophenol	100.	U
541-73-1	1,3-Dichlorobenzene	100.	U
106-46-7	1,4-Dichlorobenzene	100.	U
95-50-1	1,2-Dichlorobenzene	100.	U
95-48-7	2-Methylphenol	100.	U
108-60-1	bis(2-chloroisopropyl)ether	100.	U
106-44-5	4-Methylphenol	820.	
621-64-7	n-Nitroso-di-n-propylamine	100.	UJ
67-72-1	Hexachloroethane	100.	U
98-95-3	Nitrobenzene	100.	U
78-59-1	Isophorone	100.	U
88-75-5	2-Nitrophenol	100.	U
105-67-9	2,4-Dimethylphenol	100.	U
111-91-1	bis(2-Chloroethoxy)methane	100.	U
120-83-2	2,4-Dichlorophenol	100.	U
120-82-1	1,2,4-Trichlorobenzene	100.	U
91-20-3	Naphthalene	1200.	
106-47-8	4-Chloroaniline	100.	UJ
87-68-3	Hexachlorobutadiene	100.	U
59-50-7	4-Chloro-3-methylphenol	100.	U
91-57-6	2-Methylnaphthalene	110.	
77-47-4	Hexachlorocyclopentadiene	100.	UJ
88-06-2	2,4,6-Trichlorophenol	100.	U
95-95-4	2,4,5-Trichlorophenol	100.	U
91-58-7	2-Chloronaphthalene	100.	U
88-74-4	2-Nitroaniline	500.	U
131-11-3	Dimethylphthalate	100.	U
208-96-8	Acenaphthylene	100.	U
606-20-2	2,6-Dinitrotoluene	100.	U
99-09-2	3-Nitroaniline	500.	UJ
83-32-9	Acenaphthene	100.	U

JMS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: MW-9
ample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1751
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/24/01
njection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	500.	U J
100-02-7	4-Nitrophenol	500.	U
132-64-9	Dibenzofuran	100.	U
121-14-2	2,4-Dinitrotoluene	100.	U
84-66-2	Diethylphthalate	100.	U
7005-72-3	4-Chlorophenyl-phenylether	100.	U
86-73-7	Fluorene	100.	U
100-01-6	4-Nitroaniline	500.	U
534-52-1	4,6-Dinitro-2-methylphenol	500.	U J
86-30-6	n-Nitrosodiphenylamine	100.	U
101-55-3	4-Bromophenyl-phenylether	100.	U
118-74-1	Hexachlorobenzene	100.	U
87-86-5	Pentachlorophenol	500.	U
85-01-8	Phenanthrene	100.	U
120-12-7	Anthracene	100.	U
86-74-8	Carbazole	100.	U
84-74-2	Di-n-butylphthalate	38.	J
206-44-0	Fluoranthene	100.	U
129-00-0	Pyrene	100.	U
85-68-7	Butylbenzylphthalate	100.	U
91-94-1	3,3'-Dichlorobenzidine	200.	U J
56-55-3	Benzo(a)anthracene	100.	U
218-01-9	Chrysene	100.	U
117-81-7	bis(2-Ethylhexyl)phthalate	17.	J
117-84-0	Di-n-octylphthalate	100.	U J
205-99-2	Benzo(b)fluoranthene	100.	U
207-08-9	Benzo(k)fluoranthene	100.	U J
50-32-8	Benzo(a)pyrene	100.	U
193-39-5	Indeno(1,2,3-cd)pyrene	100.	U
53-70-3	Dibenzo(a,h)anthracene	100.	U
191-24-2	Benzo(g,h,i)perylene	100.	U

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1754

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/24/01

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	43.	J
111-44-4	bis(2-Chloroethyl)ether	50.	U
95-57-8	2-Chlorophenol	50.	U
541-73-1	1,3-Dichlorobenzene	50.	U
106-46-7	1,4-Dichlorobenzene	50.	U
95-50-1	1,2-Dichlorobenzene	50.	U
95-48-7	2-Methylphenol	50.	U
108-60-1	bis(2-chloroisopropyl)ether	50.	U
106-44-5	4-Methylphenol	390.	
621-64-7	n-Nitroso-di-n-propylamine	50.	UJ
67-72-1	Hexachloroethane	50.	U
98-95-3	Nitrobenzene	50.	U
78-59-1	Isophorone	50.	U
88-75-5	2-Nitrophenol	50.	U
105-67-9	2,4-Dimethylphenol	50.	U
111-91-1	bis(2-Chloroethoxy)methane	50.	U
120-83-2	2,4-Dichlorophenol	50.	U
120-82-1	1,2,4-Trichlorobenzene	50.	U
91-20-3	Naphthalene	430.	
106-47-8	4-Chloroaniline	50.	UJ
87-68-3	Hexachlorobutadiene	50.	U
59-50-7	4-Chloro-3-methylphenol	50.	U
91-57-6	2-Methylnaphthalene	25.	J
77-47-4	Hexachlorocyclopentadiene	50.	UJ
88-06-2	2,4,6-Trichlorophenol	50.	U
95-95-4	2,4,5-Trichlorophenol	50.	U
91-58-7	2-Chloronaphthalene	50.	U
88-74-4	2-Nitroaniline	250.	U
131-11-3	Dimethylphthalate	50.	U
208-96-8	Acenaphthylene	50.	U
606-20-2	2,6-Dinitrotoluene	50.	U
99-09-2	3-Nitroaniline	250.	UJ
83-32-9	Acenaphthene	50.	U

MS 10-8-01

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-10

ab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: MW-10
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1754
evel: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/24/01
njection Volume: 1.0 (uL) Dilution Factor: 5.0
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	250.	U J
100-02-7	4-Nitrophenol	250.	U
132-64-9	Dibenzofuran	50.	U
121-14-2	2,4-Dinitrotoluene	50.	U
84-66-2	Diethylphthalate	50.	U
7005-72-3	4-Chlorophenyl-phenylether	50.	U
86-73-7	Fluorene	50.	U
100-01-6	4-Nitroaniline	250.	U
534-52-1	4,6-Dinitro-2-methylphenol	250.	U J
86-30-6	n-Nitrosodiphenylamine	50.	U
101-55-3	4-Bromophenyl-phenylether	50.	U
118-74-1	Hexachlorobenzene	50.	U
87-86-5	Pentachlorophenol	250.	U
85-01-8	Phenanthrene	50.	U
120-12-7	Anthracene	50.	U
86-74-8	Carbazole	50.	U
84-74-2	Di-n-butylphthalate	50.	U
206-44-0	Fluoranthene	50.	U
129-00-0	Pyrene	50.	U
85-68-7	Butylbenzylphthalate	50.	U
91-94-1	3,3'-Dichlorobenzidine	100.	U J
56-55-3	Benzo(a)anthracene	50.	U
218-01-9	Chrysene	50.	U
117-81-7	bis(2-Ethylhexyl)phthalate	6.	J
117-84-0	Di-n-octylphthalate	50.	U J
205-99-2	Benzo(b)fluoranthene	50.	U
207-08-9	Benzo(k)fluoranthene	50.	U J
50-32-8	Benzo(a)pyrene	50.	U
193-39-5	Indeno(1,2,3-cd)pyrene	50.	U
53-70-3	Dibenzo(a,h)anthracene	50.	U
191-24-2	Benzo(g,h,i)perylene	50.	U

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE #2

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: DUPLICATE #2
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1752
Level: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/24/01
Injection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	130.	
111-44-4	bis(2-Chloroethyl)ether	100.	U
95-57-8	2-Chlorophenol	100.	U
541-73-1	1,3-Dichlorobenzene	100.	U
106-46-7	1,4-Dichlorobenzene	100.	U
95-50-1	1,2-Dichlorobenzene	100.	U
95-48-7	2-Methylphenol	100.	U
108-60-1	bis(2-chloroisopropyl)ether	100.	U
106-44-5	4-Methylphenol	840.	
621-64-7	n-Nitroso-di-n-propylamine	100.	U J
67-72-1	Hexachloroethane	100.	U
98-95-3	Nitrobenzene	100.	U
78-59-1	Isophorone	100.	U
88-75-5	2-Nitrophenol	100.	U
105-67-9	2,4-Dimethylphenol	100.	U
111-91-1	bis(2-Chloroethoxy)methane	100.	U
120-83-2	2,4-Dichlorophenol	100.	U
120-82-1	1,2,4-Trichlorobenzene	100.	U
91-20-3	Naphthalene	1100.	
106-47-8	4-Chloroaniline	100.	U J
87-68-3	Hexachlorobutadiene	100.	U
59-50-7	4-Chloro-3-methylphenol	100.	U
91-57-6	2-Methylnaphthalene	110.	
77-47-4	Hexachlorocyclopentadiene	100.	U J
88-06-2	2,4,6-Trichlorophenol	100.	U
95-95-4	2,4,5-Trichlorophenol	100.	U
91-58-7	2-Chloronaphthalene	100.	U
88-74-4	2-Nitroaniline	500.	U
131-11-3	Dimethylphthalate	100.	U
208-96-8	Acenaphthylene	100.	U
606-20-2	2,6-Dinitrotoluene	100.	U
99-09-2	3-Nitroaniline	500.	U J
83-32-9	Acenaphthene	100.	U

YNS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE #2

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S
Matrix: (soil/water) WATER Lab Sample ID: DUPLICATE #2
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1752
Level: (low/med) LOW Date Received: 09/11/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/24/01
Injection Volume: 1.0 (uL) Dilution Factor: 10.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	500.	U J
100-02-7	4-Nitrophenol	500.	U
132-64-9	Dibenzofuran	100.	U
121-14-2	2,4-Dinitrotoluene	100.	U
84-66-2	Diethylphthalate	100.	U
7005-72-3	4-Chlorophenyl-phenylether	100.	U
86-73-7	Fluorene	100.	U
100-01-6	4-Nitroaniline	500.	U
534-52-1	4,6-Dinitro-2-methylphenol	500.	U J
86-30-6	n-Nitrosodiphenylamine	100.	U
101-55-3	4-Bromophenyl-phenylether	100.	U
118-74-1	Hexachlorobenzene	100.	U
87-86-5	Pentachlorophenol	500.	U
85-01-8	Phenanthrene	100.	U
120-12-7	Anthracene	100.	U
86-74-8	Carbazole	100.	U
84-74-2	Di-n-butylphthalate	38.	J
206-44-0	Fluoranthene	100.	U
129-00-0	Pyrene	100.	U
85-68-7	Butylbenzylphthalate	100.	U
91-94-1	3,3'-Dichlorobenzidine	200.	U J
56-55-3	Benzo(a)anthracene	100.	U
218-01-9	Chrysene	100.	U
117-81-7	bis(2-Ethylhexyl)phthalate	17.	J
117-84-0	Di-n-octylphthalate	100.	U J
205-99-2	Benzo(b)fluoranthene	100.	U
207-08-9	Benzo(k)fluoranthene	100.	U J
50-32-8	Benzo(a)pyrene	100.	U
193-39-5	Indeno(1,2,3-cd)pyrene	100.	U
53-70-3	Dibenzo(a,h)anthracene	100.	U
191-24-2	Benzo(g,h,i)perylene	100.	U

(1) - Cannot be separated from diphenylamine

10-8-01

FORM I SV-2 3/90

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK #2

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK #2

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1719

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK #2

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK #2

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1719

Level: (low/med) LOW Date Received: 09/11/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0104 SAS No.: SDG No.: A-8S

Matrix Spike - EPA Sample No.: ME-14

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC LIMITS REC.
Phenol	100.	0.	30.	30	12-110
2-Chlorophenol	100.	0.	58.	58	27-123
1,4-Dichlorobenzene	50.	0.	30.	60	36- 97
n-Nitroso-di-n-propylam	50.	0.	56.	112	41-116
1,2,4-Trichlorobenzene	50.	0.	35.	70	39- 98
4-Chloro-3-methylphenol	100.	0.	54.	54	23- 97
Acenaphthene	50.	0.	44.	88	46-118
4-Nitrophenol	100.	0.	33.	33	10- 80
2,4-Dinitrotoluene	50.	0.	42.	84	24- 96
Pentachlorophenol	100.	0.	69.	69	9-103
Pyrene	50.	0.	50.	100	26-127

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100.	32.	32	6	42	12-110
2-Chlorophenol	100.	63.	63	8	40	27-123
1,4-Dichlorobenzene	50.	33.	66	10	28	36- 97
n-Nitroso-di-n-propylam	50.	60.	120 *	7	38	41-116
1,2,4-Trichlorobenzene	50.	38.	76	8	28	39- 98
4-Chloro-3-methylphenol	100.	63.	63	15	42	23- 97
Acenaphthene	50.	47.	94	7	31	46-118
4-Nitrophenol	100.	35.	35	6	50	10- 80
2,4-Dinitrotoluene	50.	46.	92	9	38	24- 96
Pentachlorophenol	100.	87.	87	23	50	9-103
Pyrene	50.	55.	110	10	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 1 out of 22 outside limits

COMMENTS:

VALIDATA

Chemical Services, Inc.

P. O. Box 930422, Norcross, GA 30003

(770) 923-3890
(770) 923-8769 (Fax)

DATA VALIDATION SUMMARY
REPORT

COMPANY:	IT Corporation
SITE NAME:	Flagship Project / Dutchess County Airport, Poughkeepsie, NY
CONTRACTED LAB:	Adirondack Environmental Services, Inc.
CASE NUMBER:	IT-104
AES JOB NUMBER:	A-26S
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:	A-26S (Level IV)
SAMPLE DATE:	September 10, 2001

OVERVIEW

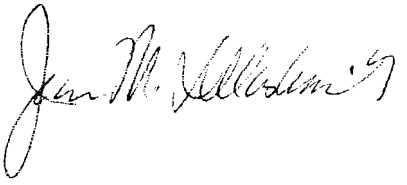
SAMPLES:

Client Sample #	Lab Sample #	Matrix	Volatile Organics	Semi-volatiles
A-26S	010910AL-03	Water	X	X
A-41S	010910AL-11	Water	X	X
A-42S	010910AL-09	Water	X	X
A-43S	010910AL-05	Water	X	X
DG-1	010910AL-13	Water	X	X
ME-13	010910AL-02	Water	X	X
ME-15	010910AL-01	Water	X	X
ME-19	010910AL-10	Water	X	X
MW-1	010910AL-04	Water	X	X
MW-8	010910AL-06	Water	X	X
MW-20	010910AL-12	Water	X	X
Sanitary Sewer	010910AL-14	Water	X	X
Duplicate #1	010910AL-07	Water	X	X
Field Blank #1	010910AL-08	Water	X	X
TB	010910AL-15	Water	X	
Sanitary SewerMS	010910AL-14MS	Water	X	X
Sanitary SewerMSD	010910AL-14MSD	Water	X	X
MW-1MS	010910AL-04MS	Water		X
MW-1MSD	010910AL-04MSD	Water		X

Sample ID Code: TB = TRIP BLANK

Suffix Codes: MS = MATRIX DUPLICATE, MSD = MATRIX SPIKE DUPLICATE

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

Adirondack Environmental Services, Inc. - A-26S CLP Organics

SAMPLES: A-26S, A-41S, A-42S, A-43S, DG-1, ME-13, ME-15, ME-19, MW-1, MW-8, MW-20, Sanitary Sewer, Duplicate #1, Field Blank #1, TB

VOLATILE ORGANICS

SUMMARY

I.) General:

The analyses for volatile organics were performed by GC / MS using EPA Method 8260.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

No major problems were observed in this 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:

All Initial Calibration criteria were met. No action was required.

Continuing Calibration:

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/13/01 at 11:07 on instrument H5970D for the following compounds:

chloromethane	28.7%
vinyl chloride	38.3%
2-butanone	32.3%
2-hexanone	40.5%

All positive and non-detect results for these compounds in the associated samples were qualified as estimated (J) and (UJ). The associated samples were A-41S, A-42S, A-43S, ME-15, MW-1, MW-8 and Sanitary Sewer.

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/14/01 at 10:07 on instrument H5970D for the following compounds:

chloromethane	26.2%
chloroethane	25.7%
acetone	48.5%
2-butanone	28.4%
2-hexanone	32.4%

All results for these compounds in the associated samples, which consisted entirely of non-detects, were qualified as estimated (UJ). The associated samples were A-26S, DG-1, ME-13, ME-19, MW-20 and Duplicate #1.

IV.) Blanks:

There were no detections in the method, field and trip blanks. No action was taken.

Tentatively Identified Compounds (TIC):

TIC data was not included in the data package. No action was required.

V.) Surrogate Recoveries:

All Surrogate Recovery criteria were met. No action was required.

VI.) Laboratory Control Samples (LCS):

One LCS was 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):

All MS / MSD criteria were met. No action was necessary.

VIII.) Field Duplicates:

One set of field duplicate samples (MW-8 / Duplicate #1) was analyzed in this SDG. Relative Percent Differences were not calculable. No action was required.

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):

All Compound Quantitation and CRQL criteria were met. No action was taken.

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 EPA Method 8270.

II.) Overall Assessment of Data:

All laboratory data were acceptable with qualifications.

MAJOR ISSUES

No major problems were observed in this 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 taken.

III.) Calibration:

Initial Calibration:

The Percent Relative Standard Deviations (%RSDs) exceeded the 30% QC limit for the standards analyzed on 8/9/01 on instrument 5973B for the following compounds:

4-chloroaniline	40.7%
3-nitroaniline	43.8%
4-nitroaniline	68.3%
anthracene	49.0%

Since there were no detections of these compounds in the SDG samples, no action was taken.

Continuing Calibration:

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/17/01 at 10:03 on instrument 5973B for the following compounds:

n-nitroso-di-n-propylamine	30.8%
4-chloroaniline	55.5%
hexachlorocyclopentadiene	63.1%
3-nitroaniline	73.1%
2,4-dinitrophenol	52.2%
4-nitrophenol	37.5%
4-nitroaniline	78.2%

All results for these compounds in the associated samples, which consisted entirely of non-detects, were qualified as estimated (UJ). The associated samples were A-26S, A-41S, A-43S, DG-1, ME-13, ME-15, ME-19, MW-1, MW-8, MW-20 and Duplicate #1.

The Percent Differences (%D's) exceeded the 25% QC limit for the standard analyzed on 9/18/01 at 09:47 on instrument 5973B for the following compounds:

n-nitroso-di-n-propylamine	28.8%
4-chloroaniline	34.6%
hexachlorocyclopentadiene	42.5%
3-nitroaniline	34.2%
2,4-dinitrophenol	35.8%
3,3'-dichlorobenzidine	28.0%
di-n-octylphthalate	26.4%

All results for these compounds in the associated samples, which consisted entirely of non-detects, were qualified as estimated (UJ). The associated samples were A-42S and Sanitary Sewer.

IV.) Blanks:

Method Blanks:

Phenol and 2,4-dimethylphenol were detected at 7 ug/L and 24 ug/L in method blank WBLK01. The detections of these two compounds in samples ME-13, ME-15 and MW-1, which were less than 5X the blank amounts, were qualified as undetected U).

Field Blank:

Naphthalene was detected at 4 ug/L in Field Blank #1. The detection of this compound in sample ME-19, which was less than 5X the blank amount, was qualified as undetected (U).

Tentatively Identified Compounds (TIC):

TIC data was not included in the data package. No action was required.

V.) Surrogate Recoveries:

The Surrogate Percent Recoveries (%R's) of 2-fluorophenol in samples ME-13 (18%) and ME-15

(20%) were below the 21-110% QC limits. Since only one surrogate was outside the QC limits in the acid fraction, with %R's greater than 10%, no action was required.

VI.) Laboratory Control Samples (LCS):

One LCS 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) were 100% and 98%, respectively, for 2,4-dinitrotoluene in spiked samples MW-1MS and MW-1MSD, which exceeded the 24-96% QC limits. In addition the %R of n-nitroso-di-n-propylamine was 120% in spiked sample MW-1MSD, which exceeded the 41-116% QC limits. Data validation action based on MS / MSD criteria alone was not required. No data qualifiers were applied.

VIII.) Field Duplicates:

One set of field duplicate samples (MW-8 / Duplicate #1) was analyzed in this SDG. Relative Percent Differences were not calculable. No action was required.

IX.) Internal Standards Performance (ISTD):

All ISTD Recovery criteria were met. No action was required.

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):

All Compound Quantitation and CRQL criteria were met. No action was taken.

XII.) System Performance:

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-26S

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

Matrix: (soil/water) WATER Lab Sample ID: A-26S

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1755

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: not dec._____ Date Analyzed: 09/14/01

GC Column: rtx502.2 ID: .32 (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.	UJ
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	UJ
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	UJ
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	16.	
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	UJ
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	UJ
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

DMS 10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-41S

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

Matrix: (soil/water) WATER Lab Sample ID: A-41S

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1745

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: not dec._____ Date Analyzed: 09/13/01

GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U J
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-42S

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

Matrix: (soil/water) WATER Lab Sample ID: A-42S

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1743

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: not dec._____ Date Analyzed: 09/13/01

GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	130.	J
75-00-3	Chloroethane	79.	
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	11.	
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	8.	
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	15.	
106-42-3	m,p-Xylenes	10.	
95-47-6	o-Xylene	7.	

bas 10-8-01

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A-43S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-43S
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1739
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/13/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U J
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	2.	J
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

MS 10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DG-1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: DG-1
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1759
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-13

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: ME-13
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1754
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-15

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: ME-15
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1735
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/13/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U J
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

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10-8-01

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-19

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: ME-19
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1757
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

10-18-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: MW-1
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1738
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/13/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U J
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

JMS
10-DD-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

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

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1740

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: not dec._____ Date Analyzed: 09/13/01

GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U J
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	2.	J
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

JMS 10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: MW-20
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1758
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Sanitary Sewer

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: Sanitary Sewer
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1748
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/13/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U J
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	100.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	72.	J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

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10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Duplicate #1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: Duplicate #1
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1756
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/14/01
GC Column: rtx502.2 ID: .32 (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 J
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U J
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U J
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	2.	J
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U J
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U J
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

SMO 10-8-01

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Field Blank #1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: Field Blank #1
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1742
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: not dec._____ Date Analyzed: 09/13/01
GC Column: rtx502.2 ID: .32 (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	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

Matrix: (soil/water) WATER Lab Sample ID: TB

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: D1734

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: not dec._____ Date Analyzed: 09/13/01

GC Column: rtx502.2 ID: .32 (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	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
156-60-5	1,2-Dichloroethene-trans	5.	U
67-66-3	Chloroform	5.	U
107-06-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-Pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
156-59-2	1,2-Dichloroethene-cis	5.	U
106-42-3	m,p-Xylenes	5.	U
95-47-6	o-Xylene	5.	U

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

Matrix Spike - EPA Sample No.: Sanitary Sewer

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.	0.	49.	98	61-145
Trichloroethene	50.	0.	54.	108	71-120
Benzene	50.	0.	59.	118	76-127
Toluene	50.	0.	60.	120	76-125
Chlorobenzene	50.	0.	58.	116	75-130

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.	47.	94	4	14	61-145
Trichloroethene	50.	55.	110	2	14	71-120
Benzene	50.	58.	116	2	11	76-127
Toluene	50.	57.	114	5	13	76-125
Chlorobenzene	50.	54.	108	7	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: 0 out of 10 outside limits

COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-26S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-26S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1697
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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 J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-26S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-26S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1697
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	UJ
100-02-7	4-Nitrophenol	50.	UJ
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	UJ
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

JMS 10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-41S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-41S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1705
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	UJ
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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.	UJ
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.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	UJ
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-41S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-41S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1705
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U UJ
100-02-7	4-Nitrophenol	50.	U UJ
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U UJ
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

JMS 10-8-01

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A-42S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-42S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1711
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01
Injection Volume: 1.0 (uL) Dilution Factor: 4.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	40.	U
111-44-4	bis(2-Chloroethyl)ether	40.	U
95-57-8	2-Chlorophenol	40.	U
541-73-1	1,3-Dichlorobenzene	40.	U
106-46-7	1,4-Dichlorobenzene	40.	U
95-50-1	1,2-Dichlorobenzene	40.	U
95-48-7	2-Methylphenol	40.	U
108-60-1	bis(2-chloroisopropyl)ether	40.	U
106-44-5	4-Methylphenol	40.	U
621-64-7	n-Nitroso-di-n-propylamine	40.	U J
67-72-1	Hexachloroethane	40.	U
98-95-3	Nitrobenzene	40.	U
78-59-1	Isophorone	40.	U
88-75-5	2-Nitrophenol	40.	U
105-67-9	2,4-Dimethylphenol	40.	U
111-91-1	bis(2-Chloroethoxy)methane	40.	U
120-83-2	2,4-Dichlorophenol	40.	U
120-82-1	1,2,4-Trichlorobenzene	40.	U
91-20-3	Naphthalene	480.	
106-47-8	4-Chloroaniline	40.	U J
87-68-3	Hexachlorobutadiene	40.	U
59-50-7	4-Chloro-3-methylphenol	40.	U
91-57-6	2-Methylnaphthalene	11.	J
77-47-4	Hexachlorocyclopentadiene	40.	U J
88-06-2	2,4,6-Trichlorophenol	40.	U
95-95-4	2,4,5-Trichlorophenol	40.	U
91-58-7	2-Chloronaphthalene	40.	U
88-74-4	2-Nitroaniline	200.	U
131-11-3	Dimethylphthalate	40.	U
208-96-8	Acenaphthylene	40.	U
606-20-2	2,6-Dinitrotoluene	40.	U
99-09-2	3-Nitroaniline	200.	U J
83-32-9	Acenaphthene	40.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-42S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-42S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1711
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01
Injection Volume: 1.0 (uL) Dilution Factor: 4.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	200.	U J
100-02-7	4-Nitrophenol	200.	U
132-64-9	Dibenzofuran	40.	U
121-14-2	2,4-Dinitrotoluene	40.	U
84-66-2	Diethylphthalate	40.	U
7005-72-3	4-Chlorophenyl-phenylether	40.	U
86-73-7	Fluorene	40.	U
100-01-6	4-Nitroaniline	200.	U
534-52-1	4,6-Dinitro-2-methylphenol	200.	U
86-30-6	n-Nitrosodiphenylamine	40.	U
101-55-3	4-Bromophenyl-phenylether	40.	U
118-74-1	Hexachlorobenzene	40.	U
87-86-5	Pentachlorophenol	200.	U
85-01-8	Phenanthrene	40.	U
120-12-7	Anthracene	40.	U
86-74-8	Carbazole	40.	U
84-74-2	Di-n-butylphthalate	40.	U
206-44-0	Fluoranthene	40.	U
129-00-0	Pyrene	40.	U
85-68-7	Butylbenzylphthalate	40.	U
91-94-1	3,3'-Dichlorobenzidine	80.	U J
56-55-3	Benzo(a)anthracene	40.	U
218-01-9	Chrysene	40.	U
117-81-7	bis(2-Ethylhexyl)phthalate	12.	J
117-84-0	Di-n-octylphthalate	40.	U J
205-99-2	Benzo(b)fluoranthene	40.	U
207-08-9	Benzo(k)fluoranthene	40.	U
50-32-8	Benzo(a)pyrene	40.	U
193-39-5	Indeno(1,2,3-cd)pyrene	40.	U
53-70-3	Dibenzo(a,h)anthracene	40.	U
191-24-2	Benzo(g,h,i)perylene	40.	U

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-43S

Lab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
atrix: (soil/water) WATER Lab Sample ID: A-43S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1699
evel: (low/med) LOW Date Received: 09/10/01
Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
njection Volume: 1.0 (uL) Dilution Factor: 1.0
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	UJ
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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.	UJ
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.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	UJ
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A-43S

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: A-43S
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1699
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	5.	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DG-1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: DG-1
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1707
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	UJ
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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.	UJ
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.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	UJ
83-32-9	Acenaphthene	10.	U

10-9-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DG-1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: DG-1
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1707
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

lms 10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-13

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: ME-13
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1696
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	2.	~~BJ~~ U
111-91-1	bis(2-Chloroethoxy)methane	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 J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-13

Lab Name: AES, Inc. Contract:
ab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
atrix: (soil/water) WATER Lab Sample ID: ME-13
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1696
evel: (low/med) LOW Date Received: 09/10/01
Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
njection Volume: 1.0 (uL) Dilution Factor: 1.0
PC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	6.	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-15

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1695

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	69.	~~B~~ U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	3.	J
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	14.	~~B~~ U
111-91-1	bis(2-Chloroethoxy)methane	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 J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-15

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1695

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	13.	
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-19

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: ME-19
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1704
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	2.	J U
106-47-8	4-Chloroaniline	10.	U J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME-19

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: ME-19
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1704
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

GMS 10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

Matrix: (soil/water) WATER Lab Sample ID: MW-1

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1698

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01

Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	2.	~~BJ~~ U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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 J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: MW-1
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1698
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U UJ
100-02-7	4-Nitrophenol	50.	U UJ
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U UJ
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	5.	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: MW-8
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1700
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	UJ
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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.	UJ
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.	UJ
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	UJ
83-32-9	Acenaphthene	10.	U

DMS 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: MW-8
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1700
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: MW-20
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1706
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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 J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: MW-20
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1706
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	5.	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SANITARY SEWER

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: SANITARY SEWER
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1712
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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 J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

SW 10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SANITARY SEWER

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: SANITARY SEWER
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1712
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/14/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/18/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U J
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE #1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: DUPLICATE #1
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1701
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U J
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	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 J
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 J
88-06-2	2,4,6-Trichlorophenol	10.	U
95-95-4	2,4,5-Trichlorophenol	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U J
83-32-9	Acenaphthene	10.	U

10-8-01

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE #1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: DUPLICATE #1
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1701
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U J
100-02-7	4-Nitrophenol	50.	U J
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U J
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.	J
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

10-8-01

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK #1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK #1
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1702
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10.	U
111-44-4	bis(2-Chloroethyl)ether	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	bis(2-chloroisopropyl)ether	10.	U
106-44-5	4-Methylphenol	10.	U
621-64-7	n-Nitroso-di-n-propylamine	10.	U
67-72-1	Hexachloroethane	10.	U
98-95-3	Nitrobenzene	10.	U
78-59-1	Isophorone	10.	U
88-75-5	2-Nitrophenol	10.	U
105-67-9	2,4-Dimethylphenol	10.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U
120-83-2	2,4-Dichlorophenol	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U
91-20-3	Naphthalene	4.	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	10.	U
91-58-7	2-Chloronaphthalene	10.	U
88-74-4	2-Nitroaniline	50.	U
131-11-3	Dimethylphthalate	10.	U
208-96-8	Acenaphthylene	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U
99-09-2	3-Nitroaniline	50.	U
83-32-9	Acenaphthene	10.	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK #1

Lab Name: AES, Inc. Contract:
Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S
Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK #1
Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: B1702
Level: (low/med) LOW Date Received: 09/10/01
% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/13/01
Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 09/17/01
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	50.	U
100-02-7	4-Nitrophenol	50.	U
132-64-9	Dibenzofuran	10.	U
121-14-2	2,4-Dinitrotoluene	10.	U
84-66-2	Diethylphthalate	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U
86-73-7	Fluorene	10.	U
100-01-6	4-Nitroaniline	50.	U
534-52-1	4,6-Dinitro-2-methylphenol	50.	U
86-30-6	n-Nitrosodiphenylamine	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U
118-74-1	Hexachlorobenzene	10.	U
87-86-5	Pentachlorophenol	50.	U
85-01-8	Phenanthrene	10.	U
120-12-7	Anthracene	10.	U
86-74-8	Carbazole	10.	U
84-74-2	Di-n-butylphthalate	10.	U
206-44-0	Fluoranthene	10.	U
129-00-0	Pyrene	10.	U
85-68-7	Butylbenzylphthalate	10.	U
91-94-1	3,3'-Dichlorobenzidine	20.	U
56-55-3	Benzo(a)anthracene	10.	U
218-01-9	Chrysene	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate	10.	U
117-84-0	Di-n-octylphthalate	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

(1) - Cannot be separated from diphenylamine

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AES, Inc. Contract:

Lab Code: AES Case No.: IT0103 SAS No.: SDG No.: A-26S

Matrix Spike - EPA Sample No.: MW-1

COMPOUND	SPIKE ADDED (UG/L)	SAMPLE CONCENTRATION (UG/L)	MS CONCENTRATION (UG/L)	MS % REC #	QC LIMITS REC.
Phenol	100.	2.	33.	31	12-110
2-Chlorophenol	100.	0.	64.	64	27-123
1,4-Dichlorobenzene	50.	0.	35.	70	36- 97
n-Nitroso-di-n-propylam	50.	0.	54.	108	41-116
1,2,4-Trichlorobenzene	50.	0.	40.	80	39- 98
4-Chloro-3-methylphenol	100.	0.	61.	61	23- 97
Acenaphthene	50.	0.	50.	100	46-118
4-Nitrophenol	100.	0.	32.	32	10- 80
2,4-Dinitrotoluene	50.	0.	50.	100 *	24- 96
Pentachlorophenol	100.	0.	85.	85	9-103
Pyrene	50.	0.	61.	122	26-127

COMPOUND	SPIKE ADDED (UG/L)	MSD CONCENTRATION (UG/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	100.	34.	32	3	42	12-110
2-Chlorophenol	100.	71.	71	10	40	27-123
1,4-Dichlorobenzene	50.	38.	76	8	28	36- 97
n-Nitroso-di-n-propylam	50.	60.	120 *	11	38	41-116
1,2,4-Trichlorobenzene	50.	43.	86	7	28	39- 98
4-Chloro-3-methylphenol	100.	55.	55	10	42	23- 97
Acenaphthene	50.	52.	104	4	31	46-118
4-Nitrophenol	100.	25.	25	25	50	10- 80
2,4-Dinitrotoluene	50.	49.	98 *	2	38	24- 96
Pentachlorophenol	100.	94.	94	10	50	9-103
Pyrene	50.	56.	112	9	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 3 out of 22 outside limits

COMMENTS: