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

Shaw Environmental Project 820131

February 13, 2003

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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 status report covers the period from May 23, 2002 through September 24, 2002. Discussion addresses the sampling event conducted on September 23 and 24, 2002 and four months of operation and maintenance.

Total run time for the air sparge (AS) and soil vapor extraction (SVE) system during the reporting period was 2,976 available hours, with 1,896 actual hours or 63.7%. The down-time experienced during the reporting period was caused by a high SVE moisture knock out (MKO) alarm in early June. A technician visit was scheduled and the MKO was drained and system was restarted. An alarm was triggered by the failure of the vent fan, in late June. The fan was replaced and the system was restarted. Down-time was also caused by the failure of the alarm auto dialer unit. The auto dialer battery failed in late July. Remote connection and subsequent system re-activation was not possible without the telemetry unit functioning. A technician responded, removed and sent the telemetry unit to the manufacturer for battery replacement. The telemetry unit battery was replaced, reprogrammed telemetry unit re-installed and the system restarted.

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 June 15, July 15, July 17 (system restart), August 28 and September 23 and 24 for sampling. 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 was satisfactory. Individual system components were also monitored to ensure that all process system components were operating within design parameters.

Monitoring tasks performed during each O&M visit included:

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

3.0 SIGNIFICANT OPERATIONAL NOTES

Significant operational notes for this reporting period:

Condensate accumulation was recorded during the June O&M visit. High water level interlock alarm in the SVE MKO caused a system shutdown.

Failure and subsequent replacement of the ventilation fan in early July.

Replacement of the telemetry unit's integrated lithium battery and subsequent reprogramming of the telemetry unit in early August.

4.0 SOIL VAPOR EXTRACTION SYSTEM

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

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

Air samples were collected during the September 24, 2002 site visit to track system removal efficiency, and to verify compliance as per the informal NYSDEC discharge agreement. The laboratory report is included as **Appendix A.**

The SVE system, while in operation, performed at an average flow of 302 cubic feet per minute (cfm) during the reporting period as measured at the SVE blower effluent. This decrease in average flow, from the previous reporting period (368 cfm) corresponds with higher groundwater levels. The amount of vacuum placed on the SVE is reduced during higher groundwater periods to minimize moisture accumulation in the MKO.

Based on photoionization detector (PID) calculation, no VOCs were removed during the current reporting quarter, all between the June 15th and September 24th visits. To date the system has removed approximately 21.18 pounds of VOCs. System operating data and removal calculations based on monthly PID readings are shown in **Table 1**. Based on laboratory data, the calculative collection of "compounds of concern" is determined to be approximately 4.48 pounds (**Table 3**). Vapor phase carbon absorption efficiency for the compounds of concern is shown on **Table 2.**

5.0 AIR SPARGE SYSTEM

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

During the current reporting period, the sparge points ran at an average flow of approximately 5.6 cfm (previous period = 9.9 cfm), with a total average system pressure of approximately 5.57 pounds per square inch (psi) as compared to previous period of 4.6 psi. 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. Analytical results from the monitoring well network are tabulated and presented in **Table 5**. IRM significant compounds of concern are tabulated and presented in **Table 6**.

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

During the September 2002 gauging event groundwater elevations on the Flagship parcel ranged from 150.59 feet (ME-13) to 153.96 feet (MW-9). On the IBM parcel, groundwater elevations ranged from 150.39 feet (A-44S) to 151.80 feet (A-8S). Depth to groundwater measurements and elevations are presented in **Table 4**. Based on the calculated groundwater elevations on the former Flagship and IBM properties a northwest groundwater flow direction is indicated (**Figure 3**). Prior to monitoring well gauging the treatment system is shutdown to allow for the stabilization of the naturally occurring potentiometric surface.

During the September 24, 2002 sampling, laboratory detections were recorded in samples collected from MW-9 and MW-10. PCE was detected at 70 ug/l (MW-9) and 26 ug/l (MW-10). These concentrations have remained relatively constant over the past year. PCE was not detected in down-gradient monitoring well MW-6. Though MW-9 and MW-10 continue to display dissolved contamination, down-gradient wells are predominantly clean, thus demonstrating limited plume mobility away from this primary area of concern. TCE was not detected in any of the monitoring wells on either property. Naphthalene was detected at 260 ug/l (MW-9), 62 ug/l (MW-6) and 60 ug/l (MW-20). Naphthalene was not detected in any other former Flagship down-gradient property boundary wells. MW-20 was specifically screened directly above the silty aquitard beneath the impacted aquifer to monitor potential napthatlane presence. The analytical results are presented on **Table 5** and **Figure 4.** Naphthalene (**Figure 5**), chloroethane (**Figure 6**) and 1,2 dichloroethene (**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 concentration of 5 ug/l (A-42S) was recorded.

Naphthalene was detected at a concentration of 870 ug/l in A-42S. No significant trends have been observed in former IBM property wells. The up-gradient wells on the former Flagship property have demonstrated reductions in total VOC concentrations

The presence of one or more of the following compounds (naphthalene, dichloroethane and chloroethane) in former IBM property wells A-42S, A-26S and A-27S, combined with the lack of immediate up-gradient (former Flagship property) detections suggests that an ongoing source of these contaminants possibly exists on the former IBM leased property. The MW-9 and MW-10 area of concern on the former Flagship property is approximately 160 feet up-gradient from this IBM well area. With the exception of low and infrequent detections in MW-6 and MW-20 no detections have been recorded between these two areas.

A representative of the NYSDEC was on site during the September 23-24 O&M and sampling event. During this visit the NYSDEC representative stated that a modified scope of treatment would be required to accelerate the clean-up of contamination in the areas surrounding MW-9 and MW-10, and A-42S. Following this site visit a letter dated October 4, 2002 was sent Shaw Environmental restating that the area around MW-9 and MW-10 and the area around A-42s would require the system to be modified to accelerate the clean-up of the site.

7.0 PROPOSED ACTIVITIES

Proposed activities for the next reporting period include:

- Monthly operation and maintenance visits to monitor system operation.
- Adjust system flow and vacuum to maximize treatment system operation.
- Collect groundwater and SVE effluent air samples in January 2003.
- Develop a plan of action to address NYSDEC requirements for specific areas on the site.

TABLES

Table 1

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

Sampling Date	Run Time Since Last Visit (hrs) Available	Actual	SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (4" diam.) (fpm)	SVE Blower Effluent Flow Rate (cfm)	SVE Blower Effluent PID Reading (ppmv)	VOC Removal Rate (lbs/hr)	VOC's Recovered Since Last O&M Visit (lbs.)	Cumulative lbs. of VOC's Recovered (lbs.)
08/04/00	0 /	0	0.00%	2942.5	256	2.2	0.01	0.00	0.00
08/09/00	120 /	6	5.00%	3172.4	276	0.0	0.00	0.00	0.00
08/16/00	168 /	168	100.00%	3103.4	270	0.0	0.00	0.00	0.00
08/24/00	192 /	192	100.00%	3356.3	292	0.0	0.00	0.00	0.00
09/21/00	672 /	261	38.84%	3678.2	320	0.0	0.00	0.00	0.00
10/09/00	432 /	192	44.44%	3678.2	320	0.0	0.00	0.00	0.00
11/17/00	936 /	542	57.91%	4046.0	352	0.0	0.00	0.00	0.00
12/06/00	456 /	298	65.35%	4114.9	358	0.0	0.00	0.00	0.00
01/10/01	840 /	120	14.29%	4000.0	348	0.0	0.00	0.00	0.00
02/19/01	960 /	960	100.00%	3195.4	278	0.0	0.00	0.00	0.00
03/28/01	888 /	72	8.11%	0.0	0	0.0	0.00	0.00	0.00
04/19/01	528 /	270	51.14%	2580.0	224	0.0	0.00	0.00	0.00
05/16/01	648 /	600	92.59%	2919.5	254	0.0	0.00	0.00	0.00
06/20/01	840 /	792	94.29%	3185.0	277	0.0	0.00	0.00	0.00
07/30/01	960 /	960	100.00%	3287.4	286	0.0	0.00	0.00	0.00
08/17/01	432 /	432	100.00%	3310.3	288	0.0	0.00	0.00	0.00
09/11/01	600 /	600	100.00%	3379.3	294	0.0	0.00	0.00	0.00
10/31/01	1200 /	1200	100.00%	3595.0	313	0.0	0.00	0.00	0.00
11/29/01	696 /	408	59.00%	3560.0	310	2.3	0.01	4.08	4.08
12/13/01	336 /	336	100.00%	3580.0	311	2.0	0.01	3.36	7.44
01/17/02	840 /	768	91.00%	2494.0	217	0.0	0.00	0.00	7.44
02/21/02	840 /	840	100.00%	3678.2	320	0.0	0.00	0.00	7.44
03/20/02	648 /	552	85.19%	4770.1	415	0.0	0.00	0.00	7.44
04/17/02	672 /	672	100.00%	3804.6	331	0.0	0.00	0.00	7.44
05/22/02	840 /	840	100.00%	4655.2	405	5.7	0.02	13.74	21.18
06/17/02	624 /	384	61.54%	0.0	0	0.0	0.00	0.00	21.18
07/15/02	672 /	312	46.43%	3379.3	294	0.0	0.00	0.00	21.18
08/28/02	1056 /	576	54.55%	3183.9	277	0.0	0.00	0.00	21.18
09/24/02	624 /	624	100.00%	3862.1	336	0.0	0.00	0.00	21.18

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

Date	Compounds of Concern	SVE Influent South Leg (ppbv)	SVE Influent North Leg (ppbv)	Carbon Effluent South Leg (ppbv)	Carbon Effluent North Leg (ppbv)	Carbon Efficiency South Leg (%)	Carbon Efficiency North Leg (%)	Total System Efficiency (%)
08/04/00	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	130	13	ND	ND	100.00	100.00	100.00
	Toluene	3.9	2.3	0.52	ND	86.67	100.00	93.34
	1,1-Dichloroethane	1.4	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	13	1.5	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
10/9/00 (1)	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	100	ND	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	0.82	ND	100.00	100.00	100.00
	1,1-Dichloroethane	2.3	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	17	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
12/06/00	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	50	3.5	ND	ND	100.00	100.00	100.00
	Toluene	1.1	ND	ND	ND	100.00	100.00	100.00
	1,1-Dichloroethane	5.9	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	6.7	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
05/16/01	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	ND	ND	100.00	100.00	100.00
	1,1-Dichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
06/20/01	Trichloroethene	ND	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	40	7.0	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	0.98	ND	NA	100.00	NA
	1,1-Dichloroethane	ND	3.0	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	4.2	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
09/11/01	Trichloroethene	1.4	ND	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	130	2.5	ND	ND	100.00	100.00	100.00
	Toluene	ND	ND	ND	ND	NA	100.00	NA
	1,1-Dichloroethane	14	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	88	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	ND	ND	ND	ND	100.00	100.00	100.00
01/17/02	Trichloroethene	NA	NA	ND	ND	100.00	100.00	100.00
	Tetrachloroethene	NA	NA	ND	ND	100.00	100.00	100.00
	Toluene	NA	NA	1.5	ND	NA	100.00	NA
	1,1-Dichloroethane	NA	NA	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	NA	NA	ND	ND	100.00	100.00	100.00
	Naphthalene	NA	NA	ND	ND	100.00	100.00	100.00
05/22/02	Trichloroethene	ND	ND	0.55	1	NA	NA	NA
	Tetrachloroethene	6.20	7.90	ND	ND	100.00	100.00	100.00
	Toluene	18.00	15.00	1.3	2.8	93.00	81.00	87.00
	1,1-Dichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND	ND	ND	ND	100.00	100.00	100.00
	Naphthalene	86.00	109.00	ND	ND	100.00	100.00	100.00
09/24/02	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

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

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

Sampling Date	Run Time Since Last Visit (hrs) Available / Actual	SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (4" diam.) (fpm)	SVE Blower Effluent Flow Rate (cfm)	SVE Blower Effluent Lab Result (ppmv)	SVE Blower Effluent PID Reading (ppmv)	VOC Removal Rate (lbs/hr)	VOC's Recovered Since Last O&M Visit (lbs.)	Cumulative lbs. of VOC's Recovered (lbs.)
08/04/2000	0 / 0	0.00%	2885	252	0.165	2.2	0.00065	0.00	0.00
10/09/2000	1584 / 627	39.58%	3759	328	0.119	0.0	0.00064	0.40	0.40
12/06/2000	1392 / 1032	74.14%	4103	358	0.067	0.0	0.00050	0.51	0.92
05/16/2001	3864 / 2320	60.04%	2805	245	0	0.0	0.00016	0.46	1.38
06/20/2001	840 / 792	94.29%	3195	279	0.0542	0.0	0.00011	0.08	1.46
09/11/2001	9672 / 1992	20.60%	3379	295	0.236	0.0	0.00086	1.20	1.20
01/17/2002	3072 / 2712	88.28%	2494	217	0.0015	0.0	0.00047	1.36	2.56
05/22/2002	3000 / 3000	100.00%	4500	405	0.0404	5.7	0.00010	0.30	2.86
09/24/2002	2976 / 1896	63.71%	3862	336	0	0.0	0.00012	0.00	2.86

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
12/30/1996	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
04/02/1997	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
05/21/1999	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
02/09/2000	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
06/28/2000	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
08/03/2000	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
08/10/2000	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
08/31/2000	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
09/21/2000	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
10/16/2000	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
11/13/2000	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
12/06/2000	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*
01/08/2001	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
02/19/2001	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
03/28/2001	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
05/16/2001	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
07/30/2001	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
08/16/2001	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
09/10/2001	10.81	151.46	0.62	3.95	152.08	1.08	7.60	154.74	3.69	4.40	154.24	9.97	4.93	153.59	4.12	9.22	150.15	1.35
10/31/2001	10.73	151.54	0.56	4.02	152.01	3.69	NM	NM	NM	4.75	153.89	4.86	5.50	153.02	3.72	NM	NM	NM
11/29/2001	11.13	151.14	0.81	4.35	151.68	6.27	10.49	151.85	5.65	7.76	150.88	7.10	6.02	152.50	3.54	8.90	150.47	1.34
12/13/2001	11.11	151.16	0.29	4.64	151.39	5.47	12.31	150.03	6.31	8.03	150.61	3.62	6.56	151.96	3.38	8.75	150.62	NM
01/17/2002	10.96	151.31	1.00	4.04	151.99	0.95	11.98	150.36	7.03	8.13	150.51	6.98	6.44	152.08	5.20	8.13	151.24	2.42
02/21/2002	11.03	151.24	0.72	4.55	151.48	0.72	10.28	152.06	4.12	6.73	151.91	3.25	6.49	152.03	2.94	8.21	151.16	0.37
03/20/2002	11.01	151.26	0.45	4.54	151.49	1.48	10.24	152.10	9.62	6.73	151.91	4.89	6.50	152.02	3.28	8.17	151.20	1.15
04/17/2002	10.40	151.87	1.38	4.07	151.96	2.40	11.24	151.10	2.28	7.15	151.49	3.27	6.18	152.34	3.96	7.78	151.59	1.61
05/22/2002	9.54	152.73	1.12	2.92	153.11	0.59	8.43	153.91	0.90	4.89	153.75	1.89	4.64	153.88	2.50	6.72	152.65	0.43
06/17/2002	9.09	153.18	1.94	2.21	153.82	0.87	7.49	154.85	2.03	3.97	154.67	1.88	3.70	154.82	0.92	6.40	152.97	2.34
07/15/2002	9.66	152.61	0.35	2.81	153.22	1.94	NM	NM	NM	4.49	154.15	4.17	3.27	155.25	3.27	6.91	152.46	0.53
08/28/2002	9.95	152.32	0.43	3.21	152.82	1.53	8.43	153.91	0.43	5.92	152.72	3.58	4.70	153.82	3.58	7.20	152.17	0.55
09/23&24/2002	10.08	152.19	0.50	3.40	152.63	2.03	8.40	153.94	4.48	5.01	153.63	3.40	4.82	153.70	2.63	7.35	152.02	0.56

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
12/30/1996	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
04/02/1997	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
05/21/1999	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
02/09/2000	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
06/28/2000	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
08/03/2000	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
08/10/2000	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
08/31/2000	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
09/21/2000	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
10/16/2000	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
11/13/2000	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
12/06/2000	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*
01/08/2001	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
02/19/2001	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
03/28/2001	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
05/16/2001	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
07/30/2001	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
08/16/2001	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
09/10/2001	4.98	153.89	0.58	5.33	153.39	0.54	7.61	151.63	0.79	5.15	153.72	10.72	7.55	151.95	0.89	6.90	153.08	0.39
10/31/2001	5.40	153.47	0.87	5.84	152.88	0.69	6.82	152.42	1.92	5.63	153.24	3.14	9.56	149.94	0.56	7.23	152.75	0.72
11/29/2001	6.08	152.79	0.59	6.32	152.40	0.47	6.92	152.32	1.56	8.27	150.60	2.41	8.61	150.89	0.91	7.65	152.33	0.93
12/13/2001	6.69	152.18	0.91	6.54	152.18	0.56	7.92	151.32	4.15	7.85	151.02	5.80	11.23	148.27	0.52	7.82	152.16	0.67
01/17/2002	6.07	152.80	0.59	6.29	152.43	1.40	NM	NM	NM	7.93	150.94	2.60	9.10	150.40	1.30	7.83	152.15	1.33
02/21/2002	6.75	152.12	NM	6.63	152.09	1.36	7.68	151.56	0.72	6.96	151.91	4.07	9.18	150.32	1.22	7.82	152.16	0.65
03/20/2002	6.77	152.10	NM	6.70	152.02	NM	7.68	151.56	1.38	7.00	151.87	1.32	NM	NM	NM	7.93	152.05	0.70
04/17/2002	6.64	152.23	3.46	6.30	152.42	3.16	7.34	151.90	5.34	7.11	151.76	2.03	NM	NM	NM	7.33	152.65	2.94
05/22/2002	5.03	153.84	0.95	4.83	153.89	0.50	6.06	153.18	1.06	5.20	153.67	1.56	NM	NM	NM	6.14	153.84	0.87
06/17/2002	4.18	154.69	0.81	3.91	154.81	0.84	4.87	154.37	0.98	4.48	154.39	1.00	7.90	151.60	1.07	5.34	154.64	1.72
07/15/2002	5.08	153.79	0.55	4.91	153.81	0.34	5.73	153.51	4.71	5.40	153.47	0.89	NM	NM	NM	6.19	153.79	1.00
08/28/2002	4.65	154.22	0.35	4.40	154.32	0.32	5.72	153.52	3.43	5.00	153.87	0.86	8.49	151.01	0.51	5.83	154.15	0.30
09/23&24/2002	4.91	153.96	0.73	4.94	153.78	0.42	5.69	153.55	5.95	5.58	153.29	5.43	8.91	150.59	0.63	6.38	153.60	0.81

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

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

TABLE 4
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
12/30/1996	3.58	156.08	NM	2.45	156.64	NM	2.31	155.51	NM	NG	NG	NM	NG	NG	NM
04/02/1997	3.58	156.08	NM	2.43	156.66	NM	2.27	155.55	NM	6.31	154.77	NM	NG	NG	NM
05/21/1999	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
02/09/2000	NG	NG	NM	NG	NG	NM	4.89	152.93	NM	8.86	152.22	NM	NG	NG	NM
06/28/2000	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
08/03/2000	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
08/10/2000	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
08/31/2000	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
09/21/2000	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
10/16/2000	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
11/13/2000	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
12/06/2000	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
01/08/2001	6.00	153.66	2.51	NM	NM	NM	5.60	152.22	2.73	8.25	152.83	0.44	NM	NM	NM
02/19/2001	9.31	150.35	1.22	NM	NM	NM	3.94	153.88	8.71	7.81	153.27	3.28	NM	NM	NM
03/28/2001	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
05/16/2001	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
07/30/2001	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
08/16/2001	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
09/10/2001	8.56	151.10	0.98	5.77	153.32	0.85	4.82	153.00	3.49	9.65	151.43	1.25	WNA	WNA	WNA
10/31/2001	6.89	152.77	0.61	6.15	152.94	1.35	4.96	152.86	2.97	NM	NM	NM	5.89	151.57	2.12
11/29/2001	9.76	149.90	0.73	6.56	152.53	0.43	5.67	152.15	1.47	9.84	151.24	0.71	4.87	152.59	1.09
12/13/2001	8.01	151.65	0.41	6.80	152.29	0.52	6.85	150.97	1.88	10.27	150.81	NM	6.49	150.97	2.82
01/17/2002	7.93	151.73	2.62	NM	NM	NM	6.47	151.35	1.26	9.55	151.53	0.76	6.11	151.35	2.13
02/21/2002	7.58	152.08	1.92	6.91	152.18	0.70	6.04	151.78	1.19	9.77	151.31	0.41	6.17	151.29	1.86
03/20/2002	NM	NM	NM	6.92	152.17	0.90	6.01	151.81	96.00	9.70	151.38	0.63	6.18	151.28	1.51
04/17/2002	NM	NM	NM	6.35	152.74	1.48	NM	NM	NM	9.22	151.86	1.61	5.72	151.74	4.96
05/22/2002	NM	NM	NM	4.64	154.45	0.85	NM	NM	NM	8.15	152.93	0.62	4.67	152.79	0.38
06/17/2002	5.02	154.64	1.09	2.58	156.51	1.06	NM	NM	NM	8.45	152.63	2.07	3.86	153.60	1.03
07/15/2002	5.50	154.16	0.97	4.60	154.49	0.28	NM	NM	NM	8.11	152.97	3.49	4.68	152.78	0.26
08/28/2002	NM	NM	NM	5.01	154.08	0.65	NM	NM	NM	8.45	152.63	1.21	5.06	152.40	0.39
09/23&24/202	6.04	153.62	1.34	5.24	153.85	0.73	4.60	153.22	NM	8.60	152.48	1.97	5.24	152.22	0.47

TABLE 4
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
06/28/2000	8.65	149.21	NM	5.06	152.34	NM	5.83	153.21	NM	6.33	152.43 X	NM	2.04	152.90	NM
08/03/2000	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
08/10/2000	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
08/31/2000	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
09/21/2000	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
10/16/2000	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
11/13/2000	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
12/06/2000	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*
01/08/2001	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
02/19/2001	5.30	152.56	2.34	5.50	151.90	4.90	6.96	152.18	6.41	NM	NM	NM	NM	NM	NM
03/28/2001	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
05/16/2001	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
07/30/2001	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
08/16/2001	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
09/10/2001	6.65	151.21	0.83	6.75	150.65	2.00	8.26	150.78	0.77	8.01	150.75	0.84	4.30	150.64	0.59
10/31/2001	6.70	151.16	0.47	6.86	150.54	2.36	8.35	150.69	0.48	8.14	150.62	0.68	4.20	150.74	0.44
11/29/2001	6.94	150.92	0.66	7.09	150.31	4.65	8.60	150.44	2.56	8.34	150.42	1.17	NM	NM	NM
12/13/2001	7.15	150.71	NM	7.13	150.27	2.48	8.68	150.36	1.67	8.35	150.41	NM	4.64	150.30	0.55
01/17/2002	6.89	150.97	0.89	7.05	150.35	5.95	8.53	150.51	2.98	8.28	150.48	1.20	4.40	150.54	0.61
02/21/2002	6.97	150.89	75.00	7.07	150.33	5.86	8.52	150.52	2.57	8.24	150.52	1.26	4.43	150.51	1.10
03/20/2002	6.99	150.87	0.37	7.08	150.32	3.28	8.55	150.49	1.71	8.30	150.46	0.57	4.40	150.54	0.39
04/17/2002	6.54	151.32	1.42	6.71	150.69	4.21	8.22	150.82	1.59	7.94	150.82	1.58	3.93	151.01	1.19
05/22/2002	5.50	152.36	1.02	5.70	151.70	3.62	7.15	151.89	1.78	6.93	151.83	1.47	3.16	151.78	1.81
06/17/2002	5.06	152.80	0.87	5.39	152.01	0.87	6.82	152.22	0.89	6.55	152.21	1.12	3.00	151.94	0.77
07/15/2002	5.62	152.24	2.45	5.93	151.47	0.57	7.38	151.66	0.68	7.14	151.62	1.03	3.23	151.71	0.36
08/28/2002	5.89	151.97	0.46	6.18	151.22	1.96	7.65	151.39	0.55	7.42	151.34	0.22	3.80	151.14	0.28
09/23&24/2002	6.06	151.80	0.63	6.31	151.09	1.64	7.76	151.28	0.36	7.55	151.21 X	0.28	3.68	151.26	0.35

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, IT Corporation did not collect prior to this date.
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			A-43S			A-44S		
	TOC Elev. 157.74'			TOC Elev. 159.51			TOC Elev. 161.03'			TOC Elev. 160.64'			TOC Elev. 159.40'			TOC Elev. 157.89'			TOC Elev. 155.33'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
06/28/2000	4.35	153.39	NM	6.75	152.76	NM	7.81	153.22	NM	7.94	152.70	NM	7.05	152.35	NM	4.75	153.14	NM	2.72	152.61	NM
08/03/2000	5.27	152.47	1.00	7.05	152.46	5.78	7.88	153.15	0.48	7.71	152.93	0.54	7.88	151.52	0.47	5.77	152.12	2.15	4.32	151.01	1.88
08/10/2000	5.20	152.54	NM	6.96	152.55	NM	7.66	153.37	NM	7.61	153.03	NM	7.60	151.80	NM	4.66	153.23	NM	4.30	151.03	NM
08/31/2000	5.32	152.42	2.90	7.23	152.28	7.28	8.55	152.48	2.31	8.09	152.55	9.36	6.98	152.42	2.04	5.07	152.82	2.11	NG	NG	WNA
09/21/2000	4.83	152.91	2.99	7.47	152.04	6.18	6.75	154.28	3.59	7.37	153.27	7.36	5.43	153.97	2.68	4.64	153.25	3.18	NG	NG	WNA
10/16/2000	5.43	152.31	3.43	7.58	151.93	7.57	7.22	153.81	2.89	7.90	152.74	9.26	6.27	153.13	3.81	5.52	152.37	3.38	4.83	150.50	3.59
11/13/2000	5.19	152.55	3.38	7.62	151.89	9.32	7.54	153.49	2.58	8.02	152.62	3.53	5.77	153.63	2.67	4.81	153.08	2.49	4.83	150.5	3.05
12/06/2000	5.78	151.96	4.17*	6.02	153.49	5.26	8.37	152.66	4.08	8.43	152.21	12.17*	6.86	152.54	4.47*	5.67	152.22	12.23*	5.04	150.29	2.56
01/08/2001	5.55	152.19	1.09	7.81	151.70	7.47	NM	NM	NM	8.10	152.54	1.79	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/19/2001	5.01	152.73	8.53	7.20	152.31	3.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
03/28/2001	4.50	153.24	17.84*	6.70	152.81	NM	7.24	153.79	NM	7.60	153.04	15.18*	5.62	153.78	15.19*	4.20	153.66	16.00*	3.89	151.44	NM
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/16/2001	5.05	152.69	0.94	7.41	152.10	3.86	7.70	153.33	0.54	NG	NG	NM	6.01	153.39	0.60	4.76	153.10	0.93	4.49	150.84	0.93
6/20-6/21/01	5.24	152.50	0.69	7.36	152.15	4.99	8.35	152.68	0.71	8.00	152.64	0.58	7.10	152.30	0.82	5.22	152.64	1.10	4.52	150.81	0.55
07/30/2001	6.04	151.70	0.73	7.97	151.54	4.39	8.76	152.27	0.53	8.58	152.06	0.78	7.63	151.77	0.65	5.86	152.03	1.08	4.97	150.36	1.01
08/16/2001	6.33	151.41	0.98	8.24	151.27	2.09	9.60	151.43	0.69	9.11	151.53	0.74	8.07	151.33	0.81	6.24	151.65	0.91	5.41	149.92	0.37
09/10/2001	6.98	150.76	0.67	8.55	150.96	1.35	11.24	149.79	0.56	10.13	150.51	0.52	9.30	150.10	1.63	6.75	151.14	0.94	5.42	149.91	0.90
10/31/2001	6.64	151.10	0.60	8.72	150.79	0.78	9.46	151.57	0.92	9.18	151.46	0.43	7.88	151.52	0.51	6.47	151.42	0.77	5.51	149.82	0.39
11/29/2001	6.93	150.81	0.66	8.93	150.58	0.69	10.46	150.57	0.43	10.02	150.62	0.70	8.54	150.86	0.93	6.82	151.07	1.40	NM	NM	NM
12/13/2001	7.28	150.46	0.16	8.96	150.55	NM	10.27	150.76	0.43	9.88	150.76	0.54	8.71	150.69	0.38	6.98	150.91	0.26	5.74	149.59	0.79
01/17/2001	6.85	150.89	0.70	8.87	150.64	1.20	9.70	151.33	1.20	9.93	150.71	0.60	8.12	151.28	0.85	6.62	151.27	1.53	5.64	149.69	NM
02/21/2002	6.89	150.85	1.14	8.88	150.63	0.97	9.81	151.22	0.19	9.51	151.13	0.72	8.12	151.28	0.50	6.78	151.11	0.42	5.65	149.68	NM
03/20/2002	6.90	150.84	0.41	8.92	150.59	0.59	9.78	151.25	0.28	10.22	150.42	0.27	9.71	149.69	0.49	7.60	150.29	0.75	5.80	149.53	1.35
04/17/2002	6.45	151.29	1.74	8.50	151.01	0.87	9.94	151.09	2.33	9.79	150.85	1.37	9.33	150.07	1.53	7.20	150.69	1.52	5.21	150.12	1.93
05/22/2002	5.57	152.17	1.05	7.42	152.09	6.42	8.25	152.78	0.52	8.13	152.51	0.71	6.86	152.54	0.47	5.31	152.58	0.57	5.06	150.27	0.96
06/17/2002	5.12	152.62	1.16	7.10	152.41	1.55	8.40	152.63	1.76	8.39	152.25	0.87	7.98	151.42	1.94	5.65	152.24	1.01	4.11	151.22	0.93
07/15/2002	5.65	152.09	0.47	7.72	151.79	1.77	8.92	152.11	0.32	8.90	151.74	0.51	8.43	150.97	0.30	6.20	151.69	0.35	4.62	150.71	0.27
08/28/2002	5.93	151.81	0.34	8.00	151.51	2.63	9.25	151.78	0.36	9.15	151.49	0.45	8.64	150.76	0.39	5.68	152.21	0.59	NM	NM	NM
09/23&24/2002	6.06	151.68	0.39	8.07	151.44	1.84	9.43	151.60	0.21	9.62	151.02	0.43	8.78	150.62	0.41	6.67	151.22	0.51	4.94	150.39	0.84

Notes:
Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, IT Corporation did not collect prior to this date.
NG = Well not gauged because dumpster was positioned over it.
NM = Not Measured.
WNA = Well Not Accessible at time of gauging.
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TABLE 4
FORMER FLAGSHIP HANGAR FACILITY
HISTORICAL GROUNDWATER DEPTHS, ELEVATIONS AND DISSOLVED OXYGEN MEASUREMENTS

	A-27S			A-39S			A-40S			A-41S			A-42S			A-43S			A-44S		
	TOC Elev. 157.74'			TOC Elev. 159.51			TOC Elev. 161.03'			TOC Elev. 160.64'			TOC Elev. 159.40'			TOC Elev. 157.89'			TOC Elev. 155.33'		
Date	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO	DTW	GW Elev	DO
06/28/2000	4.35	153.39	NM	6.75	152.76	NM	7.81	153.22	NM	7.94	152.70	NM	7.05	152.35	NM	4.75	153.14	NM	2.72	152.61	NM
08/03/2000	5.27	152.47	1.00	7.05	152.46	5.78	7.88	153.15	0.48	7.71	152.93	0.54	7.88	151.52	0.47	5.77	152.12	2.15	4.32	151.01	1.88
08/10/2000	5.20	152.54	NM	6.96	152.55	NM	7.66	153.37	NM	7.61	153.03	NM	7.60	151.80	NM	4.66	153.23	NM	4.30	151.03	NM
08/31/2000	5.32	152.42	2.90	7.23	152.28	7.28	8.55	152.48	2.31	8.09	152.55	9.36	6.98	152.42	2.04	5.07	152.82	2.11	NG	NG	WNA
09/21/2000	4.83	152.91	2.99	7.47	152.04	6.18	6.75	154.28	3.59	7.37	153.27	7.36	5.43	153.97	2.68	4.64	153.25	3.18	NG	NG	WNA
10/16/2000	5.43	152.31	3.43	7.58	151.93	7.57	7.22	153.81	2.89	7.90	152.74	9.26	6.27	153.13	3.81	5.52	152.37	3.38	4.83	150.50	3.59
11/13/2000	5.19	152.55	3.38	7.62	151.89	9.32	7.54	153.49	2.58	8.02	152.62	3.53	5.77	153.63	2.67	4.81	153.08	2.49	4.83	150.5	3.05
12/06/2000	5.78	151.96	4.17*	6.02	153.49	5.26	8.37	152.66	4.08	8.43	152.21	12.17*	6.86	152.54	4.47*	5.67	152.22	12.23*	5.04	150.29	2.56
01/08/2001	5.55	152.19	1.09	7.81	151.70	7.47	NM	NM	NM	8.10	152.54	1.79	NM	NM	NM	NM	NM	NM	NM	NM	NM
02/19/2001	5.01	152.73	8.53	7.20	152.31	3.43	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
03/28/2001	4.50	153.24	17.84*	6.70	152.81	NM	7.24	153.79	NM	7.60	153.04	15.18*	5.62	153.78	15.19*	4.20	153.66	16.00*	3.89	151.44	NM
4/19-4/20/01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
05/16/2001	5.05	152.69	0.94	7.41	152.10	3.86	7.70	153.33	0.54	NG	NG	NM	6.01	153.39	0.60	4.76	153.10	0.93	4.49	150.84	0.93
6/20-6/21/01	5.24	152.50	0.69	7.36	152.15	4.99	8.35	152.68	0.71	8.00	152.64	0.58	7.10	152.30	0.82	5.22	152.64	1.10	4.52	150.81	0.55
07/30/2001	6.04	151.70	0.73	7.97	151.54	4.39	8.76	152.27	0.53	8.58	152.06	0.78	7.63	151.77	0.65	5.86	152.03	1.08	4.97	150.36	1.01
08/16/2001	6.33	151.41	0.98	8.24	151.27	2.09	9.60	151.43	0.69	9.11	151.53	0.74	8.07	151.33	0.81	6.24	151.65	0.91	5.41	149.92	0.37
09/10/2001	6.98	150.76	0.67	8.55	150.96	1.35	11.24	149.79	0.56	10.13	150.51	0.52	9.30	150.10	1.63	6.75	151.14	0.94	5.42	149.91	0.90
10/31/2001	6.64	151.10	0.60	8.72	150.79	0.78	9.46	151.57	0.92	9.18	151.46	0.43	7.88	151.52	0.51	6.47	151.42	0.77	5.51	149.82	0.39
11/29/2001	6.93	150.81	0.66	8.93	150.58	0.69	10.46	150.57	0.43	10.02	150.62	0.70	8.54	150.86	0.93	6.82	151.07	1.40	NM	NM	NM
12/13/2001	7.28	150.46	0.16	8.96	150.55	NM	10.27	150.76	0.43	9.88	150.76	0.54	8.71	150.69	0.38	6.98	150.91	0.26	5.74	149.59	0.79
01/17/2001	6.85	150.89	0.70	8.87	150.64	1.20	9.70	151.33	1.20	9.93	150.71	0.60	8.12	151.28	0.85	6.62	151.27	1.53	5.64	149.69	NM
02/21/2002	6.89	150.85	1.14	8.88	150.63	0.97	9.81	151.22	0.19	9.51	151.13	0.72	8.12	151.28	0.50	6.78	151.11	0.42	5.65	149.68	NM
03/20/2002	6.90	150.84	0.41	8.92	150.59	0.59	9.78	151.25	0.28	10.22	150.42	0.27	9.71	149.69	0.49	7.60	150.29	0.75	5.80	149.53	1.35
04/17/2002	6.45	151.29	1.74	8.50	151.01	0.87	9.94	151.09	2.33	9.79	150.85	1.37	9.33	150.07	1.53	7.20	150.69	1.52	5.21	150.12	1.93
05/22/2002	5.57	152.17	1.05	7.42	152.09	6.42	8.25	152.78	0.52	8.13	152.51	0.71	6.86	152.54	0.47	5.31	152.58	0.57	5.06	150.27	0.96
06/17/2002	5.12	152.62	1.16	7.10	152.41	1.55	8.40	152.63	1.76	8.39	152.25	0.87	7.98	151.42	1.94	5.65	152.24	1.01	4.11	151.22	0.93
07/15/2002	5.65	152.09	0.47	7.72	151.79	1.77	8.92	152.11	0.32	8.90	151.74	0.51	8.43	150.97	0.30	6.20	151.69	0.35	4.62	150.71	0.27
08/28/2002	5.93	151.81	0.34	8.00	151.51	2.63	9.25	151.78	0.36	9.15	151.49	0.45	8.64	150.76	0.39	5.68	152.21	0.59	NM	NM	NM
09/23&24/2002	6.06	151.68	0.39	8.07	151.44	1.84	9.43	151.60	0.21	9.62	151.02	0.43	8.78	150.62	0.41	6.67	151.22	0.51	4.94	150.39	0.84
10/21/2002	5.13	152.61	1.20	6.91	152.60	7.85	8.40	152.63	0.75	8.79	151.85	0.43	7.88	151.52	0.47	5.65	152.24	0.77	4.30	151.03	0.77
11/15/2002	5.48	152.26	1.13	7.43	152.08	7.99	8.72	152.31	1.71	8.67	151.97	1.79	8.14	151.26	0.98	5.98	151.91	2.35	4.53	150.80	2.35
12/17/2002	4.28	153.46	1.38	6.15	153.36	0.72	7.40	153.63	0.91	7.51	153.13	1.16	6.74	152.66	0.93	4.62	153.27	1.08	3.87	151.46	0.91
01/17/2003	4.44	153.30	0.47	6.60	152.91	0.73	7.42	153.61	0.89	7.81	152.83	0.91	6.83	152.57	0.86	4.67	153.22	0.55	4.08	151.25	0.71

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.
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* = DO measurement incorrect due to malfunctioning meter.

TABLE 5
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS -SEPTEMBER 24, 2002
FORMER FLAGSHIP AIRLINES HANGAR - DUTCHESS COUNTY AIRPORT
ORDER ON CONSENT NOL W3-0837-00-06, NYSDEC SITE NO. 3-14-101

Field Parameters	NYSDEC Standard (1)	ME-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-7A)	DUP 2 (MW-10)
pH	6.5-8.5	6.70	6.44	6.30	6.17	6.48	7.48	7.25	7.43	6.67	6.72	6.73	7.33	6.18	6.37	7.11	6.62	NS	6.73	6.37
Temperature (deg Celcius)	--	16.85	17.71	22.65	22.52	21.02	20.92	17.56	22.06	20.84	20.36	21.84	18.93	20.80	20.82	17.38	17.78	NS	21.84	20.82
Conductivity (umhos/cm)	--	0.77	0.526	0.874	0.866	1.476	0.783	0.616	0.933	0.923	0.704	1.438	0.746	1.189	1.253	0.348	0.51	NS	1.438	1.253
Turbidity (NTU)	5	191.9	1975.9	220.5	18.7	303.9	56.1	24.1	77.6	118.2	6.30	104.9	23.6	238.2	88.8	277.0	12.7	NS	104.9	88.8
Dissolved Oxygen (ppm)	--	5.43	0.63	0.81	1.34	0.73	3.36	1.97	2.03	4.48	3.40	2.63	0.56	0.73	0.42	5.95	0.50	NS	2.63	0.42
Volatile Organic Compound by ASP/CLP Method (ug/L)																				
Vinyl Chloride	2	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Bromomethane	5	8JB	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Chloroethane	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Acetone	--	10U	10U	10U	7J	17	10U	10U	10U	10U	10U	10U	10U	88	69	10U	10U	10U	10U	77
Carbon Disulfide	--	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	15	10U	10U	10U	10U	10U	11
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
1,2-Dichloroethene, Total	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	**14**	10U	10U	10U	10U	15
MEK (2-Butanone)	50	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	33	10U	10U	10U	10U	10U	10U
Toluene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Ethylbenzene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
m & p Xylene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
o Xylene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Tetrachloroethene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	70	26	10U	10U	10U	10U	29
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)																				
Phenol	1 (3)	10U	10U	12U	10U	10U	11U	10U	10U	10U	**140**	10U	10U	**210**	10U	10U	10U	10U	10U	**150**
2,4-Dimethylphenol	1 (3)	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	51U	10U	2J	10U	10U	10U	51U
4-Methylphenol	1 (3)	10U	10U	12U	10U	10U	11U	10U	10U	10U	**140**	10U	10U	**610**	10U	10U	10U	10U	10U	**86**
Naphthalene	10	10U	10U	12U	10U	10U	1J	10U	10U	10U	**62**	10U	10U	**260**	10U	**60**	10U	10U	10U	65
Phenanthrene	50	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	51U	10U	10U	10U	10U	10U	51U
Pyrene	50	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	51U	10U	10U	10U	10U	10U	51U
Fluoranthene	50	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	51U	10U	10U	10U	10U	10U	51U
Acenaphthalene	20	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	19J	10U	10U	10U	10U	10U	51U
Chrysene	0.002	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	200U	10U	10U	10U	10U	10U	51U
2-Methylnaphthalene	--	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	39J	10U	10U	10U	10U	10U	51U
Diethyl phthalate	50	10U	10U	12U	2J	10U	11U	10U	10U	10U	10U	10U	2j	19J	1J	2J	10U	10U	10U	51U
Butyl benzyl phthalate	50	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	51U	10U	10U	10U	10U	10U	51U
Di-n-butyl phthalate	50	10U	10U	12U	10U	10U	11U	10U	10U	10U	10U	10U	10U	44J	10U	10U	10U	10U	10U	51U
Di-n-octyl phthalate	50	10U	10U	12U	10U	10U	11U	10UJ	10U	10U	10U	10U	10U	51U	10U	10UJ	10U	10U	10U	51U
Bis (2-ethylhexyl) phthalate	50	4J	1J	2J	4J	4J	4J	2 J	2J	6J	10U	2J	3J	17U	3J	2J	2J	10U	3.0 J	51U

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.

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

U = Indicates compound was analyzed for but not detected.

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

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

NS = Not Sampled.

TABLE 5 (Continued)
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS -SEPTEMBER 24, 2002
FORMER IBM SHALLOW WELLS
ORDER ON CONSENT NO. W3-0837-00-06, NYSDEC SITE NO. 3-14-101

Field Parameters	NYSDEC Standard (1)	A-8S	A-26S	A-27S	A-41S	A-42S	A-43S
pH	6.5-8.5	7.22	7.50	7.38	NS	7.08	7.38
Temperature (deg Celcius)	--	16.90	17.65	18.96	NS	17.65	20.31
Conductivity (umhos/cm)	--	0.736	0.885	0.66	NS	0.007	0.932
Turbidity (NTU)	5	39.5	40.2	244.1	NS	28.7	98.9
Dissolved Oxygen (ppm)	--	0.63	0.39	1.05	0.71	0.47	0.57
Volatile Organic Compound by ASP/CLP Method (ug/L)							
Vinyl Chloride	2	10U	10U	10U	NS	**70**	10U
Chloroethane	5	10U	10U	10U	NS	**13**	10U
1,1-Dichloroethane	5	10U	10U	10U	NS	**5J**	2J
1,2-Dichloroethene, Total	5	10U	10U	9J	NS	**7J**	10U
Toluene	5	10U	10U	10U	NS	**6J**	10U
Ethylbenzene	5	10U	10U	10U	NS	3J	10U
Xylenes, Total	5	10U	10U	10U	NS	**23**	10U
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)							
4-Methylphenol	1	10U	10U	10U	NS	210U	10U
2,4-Dimethylphenol	5	10U	10U	10U	NS	210U	10U
Naphthalene	--	10U	10U	2J	NS	**870**	10U
4-Chloroaniline	--	10U	10U	10U	NS	210U	10U
bis-2-Ethylhexyl phthalate	5	1J	1J	2J	NS	210U	1J
2-Methylnaphthalene	--	10U	10U	10U	NS	**30J**	10U
Di-n-octyl phthalate	--	10U	10U	10U	NS	210U	10U

Notes:

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

BOLD values indicate detections above NYSDEC Standards or Guidance Values.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

D = Indentifies all compounds in analysis at a 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)	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/28/2001	06/20/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Trichloroethene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Tetrachloroethene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Toluene	5	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	9U	9U	9U	9U	10UR

Volatile Organic	NYSDEC	ME-12				ME-13			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
1,1,1-Trichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
Trichloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Tetrachloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Toluene	5	5U	NS	NS	10U	5U	NS	NS	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	10U	NS	NS	10U	10U	NS	NS	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	ME-14						ME-15					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/29/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/28/2001	06/20/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	1J	6J	2J	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	0.7J	9UJ	9U	10U	10U

Volatile Organic	NYSDEC	ME-14				ME-15			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
1,1,1-Trichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
Trichloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Tetrachloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Toluene	5	5U	NS	NS	10U	5U	NS	NS	10U
Semi-Volatile Organic Compound of Concern									
Naphthalene	10	10U	NS	NS	10U	10U	NS	NS	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	ME-16						ME-18					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/28/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	**6J**	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	10U	50U	10U	47U	10U	**11**	**5J**	9U	10U	9U	10U

Volatile Organic	NYSDEC	ME-16				ME-18			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
1,1,1-Trichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
Trichloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Tetrachloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Toluene	5	5U	NS	NS	10U	5U	NS	NS	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	10U	NS	NS	10U	10U	NS	NS	11U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	ME-19						MW-1					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/28/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/29/2001	06/20/2001
1,1-Dichloroethane	5	11	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	3J	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	30	9U	1J	10U	6J	10U	10U	9U	9U	10U	9U	10U

Volatile Organic	NYSDEC	ME-19				MW-1			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	10U	10U	10U	5U	NS	NS	10U
1,1,1-Trichloroethane	5	5U	10U	10U	10U	5U	NS	NS	10U
Trichloroethene	5	5U	10U	10U	10U	5U	NS	NS	10U
Tetrachloroethene	5	5U	10U	10U	10U	5U	NS	NS	10U
Toluene	5	5U	10U	10U	10U	5U	NS	NS	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	2J	10U	10U	10U	10U	NS	NS	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	MW-2						MW-6					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	**4J**	**5J**	**18**	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	10U	10U	**39**	**10**	9U	10U	10U	10U

Volatile Organic	NYSDEC	MW-2				MW-6			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	NS	NS	10U	5U	10U	10U	10U
1,1,1-Trichloroethane	5	5U	NS	NS	10U	5U	10U	10U	10U
Trichloroethene	5	5U	NS	NS	10U	5U	10U	10U	10U
Tetrachloroethene	5	5U	NS	NS	10U	5U	**10**	10U	10U
Toluene	5	5U	NS	NS	10U	5U	10U	10U	10U
Semi-Volatile Organic Compound of Concern									
Naphthalene	10	10U	NS	NS	10U	10U	**40**	10U	**62**

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	MW-7A						MW-8					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	**1J**	**2J**	**2J**	5U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	10U	**3J**	10U	10U	10U	5U
Toluene	5	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	**7J**	9U	9U	10U	10U

Volatile Organic	NYSDEC	MW-7A				MW-8			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	NS	NS	10U	**2J**	10U	10U	10U
1,1,1-Trichloroethane	5	5U	NS	NS	10U	5U	10U	10U	10U
Trichloroethene	5	5U	NS	NS	10U	5U	10U	10U	10U
Tetrachloroethene	5	5U	NS	NS	10U	5U	10U	10U	10U
Toluene	5	5U	NS	NS	10U	5U	10U	10U	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	**1J**	NS	NS	10U	10U	10U	10U	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	MW-9						MW-10					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/29/2001	06/20/2001
1,1-Dichloroethane	5	**530**	**99**	**170J**	**160J**	**20J**	210	**61**	**39J**	**8J**	**5J**	**10J**	**11**
1,1,1-Trichloroethane	5	**150**	**24**	**45J**	**25J**	200U	**61**	**29**	40U	40U	40U	**5J**	25U
Trichloroethene	5	10U	**2J**	200U	200U	200U	25U	**13J**	40U	40U	40U	40U	25U
Tetrachloroethene	5	**490**	**56D**	**680**	**260**	**210**	340	**250**	40U	**36J**	**52**	**44**	**53**
Toluene	5	40U	**9J**	**25J**	200U	200U	30	10U	40U	40U	10U	40U	**3J**
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	**1100D**	**710D**	**9600D**	**2200D**	**1000D**	**3300UR**	**19**	**88**	**140**	**410**	52U	**3200J**

Volatile Organic	NYSDEC	MW-9				MW-10			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	**190**	200U	**7J**	10U	**27**	**7J**	10U	10U
1,1,1-Trichloroethane	5	**27**	200U	10U	10U	**1J**	**4J**	10U	10U
Trichloroethene	5	5U	200U	10U	10U	25U	10U	10U	10U
Tetrachloroethene	5	**240**	**280**	**74**	**70**	**97**	**74**	**43**	**26**
Toluene	5	**22**	200U	2J	10U	**5**	10U	10U	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	**1200**	**170**	**340D**	**260**	**430**	**55**	**8JD**	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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)	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/28/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/28/2001	06/20/2001
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	NI	57	9U	10U	9U	10U	10U	9U	9U	9U	9U	10U

Volatile Organic	NYSDEC	MW-20				DG-1			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	10U	10U	10U	5U	NS	NS	10U
1,1,1-Trichloroethane	5	5U	10U	10U	10U	5U	NS	NS	10U
Trichloroethene	5	5U	10U	10U	10U	5U	NS	NS	10U
Tetrachloroethene	5	5U	10U	10U	10U	5U	NS	NS	10U
Toluene	5	5U	10U	10U	10U	5U	NS	NS	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	10U	10U	10U	60	10U	NS	NS	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	Septic Tank/Sanitary Sewer						A-8S					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/29/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/28/2001	06/20/2001
1,1-Dichloroethane	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
1,1,1-Trichloroethane	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Trichloroethene	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Tetrachloroethene	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Toluene	5	10U	NS	10UJ	10U	10U	5U	NI	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	10U	NS	9UR	10U	10U	10U	NI	9U	9UJ	9U	9U	10U

Volatile Organic	NYSDEC	Septic Tank/Sanitary Sewer				A-8S			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2020
1,1-Dichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
1,1,1-Trichloroethane	5	5U	NS	NS	10U	5U	NS	NS	10U
Trichloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Tetrachloroethene	5	5U	NS	NS	10U	5U	NS	NS	10U
Toluene	5	5U	NS	NS	10U	5U	NS	NS	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	10U	NS	NS	10U	10U	NS	NS	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	A-26S						A-27S					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/28/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/28/2001	06/20/2001
1,1-Dichloroethane	5	NI	**14**	**16**	**17**	**14**	**17**	NI	**2J**	**3J**	**4J**	**4J**	**3J**
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	NI	10U	10U	10U	10U	5U
Semi-Volatile Organic													
Compound of Concern													
Naphthalene	10	NI	9U	9UJ	10U	10U	10U	NI	**83D**	**1J**	**18**	**23**	**40U**

Volatile Organic	NYSDEC	A-26S				A-27S			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	**16**	**14**	**17**	10U	5U	**2J**	10U	10U
1,1,1-Trichloroethane	5	5U	10U	10U	10U	5U	10U	10U	10U
Trichloroethene	5	5U	10U	10U	10U	5U	10U	10U	10U
Tetrachloroethene	5	5U	10U	10U	10U	5U	10U	10U	10U
Toluene	5	5U	10U	10U	10U	5U	10U	10U	10U
Semi-Volatile Organic									
Compound of Concern									
Naphthalene	10	10U	12U	10U	10U	**9J**	**4J**	**6J**	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	A-41S						A-42S					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/06/2000	03/28/2001	06/20/2001	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/28/2001	06/20/2001
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	NI	40U	**11**	**16J**	**4J**	**2J**
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	NI	40U	10U	40U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	NI	40U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	NI	40U	10U	40U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U	NI	**8J**	**22**	**15J**	**2J**	**4J**
Semi-Volatile Organic Compound of Concern													
Naphthalene	10	NI	10U	9UJ	10U	9U	10U	NI	**760D**	**1200D**	**1100D**	**550**	**770**

Volatile Organic	NYSDEC	A-41S				A-42S			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	5U	NS	NS	NS	**11**	**21**	**11**	**5J**
1,1,1-Trichloroethane	5	5U	NS	NS	NS	5U	10U	10U	10U
Trichloroethene	5	5U	NS	NS	NS	5U	10U	10U	10U
Tetrachloroethene	5	5U	NS	NS	NS	5U	10U	10U	10U
Toluene	5	5U	NS	NS	NS	**8**	**10J**	**10**	10U
Semi-Volatile Organic Compound of Concern									
Naphthalene	10	10U	NS	NS	NS	**480**	**1200**	**1300D**	**870**

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

NS = Not Sampled.

ND = Not Detected.

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

Volatile Organic	NYSDEC	A-43S					
Compounds of Concern	Standard (1)	05/20/1999	06/28/2000	09/21/2000	12/07/2000	03/28/2001	06/20/2001
1,1-Dichloroethane	5	NI	**2J**	**1J**	**1J**	**2J**	5U
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U
Trichloroethene	5	NI	10U	10U	10U	10U	5U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U
Toluene	5	NI	10U	10U	10U	10U	5U
Semi-Volatile Organic							
Compound of Concern							
Naphthalene	10	NI	9U	9UJ	10U	10U	10U

Volatile Organic	NYSDEC	A-43S			
Compounds of Concern	Standard (1)	09/10/2001	01/17/2002	05/22/2002	09/24/2002
1,1-Dichloroethane	5	**2J**	**3J**	**4J**	10U
1,1,1-Trichloroethane	5	5U	10U	10U	10U
Trichloroethene	5	5U	10U	10U	10U
Tetrachloroethene	5	5U	10U	10U	10U
Toluene	5	5U	10U	10U	10U
Semi-Volatile Organic					
Compound of Concern					
Naphthalene	10	10U	10U	10UJ	10U

Notes:

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

BOLD values indicate laboratory detections.

Laboratory data on this table includes third party validation.

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

U = Indicates compound was analyzed for but not detected.

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

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

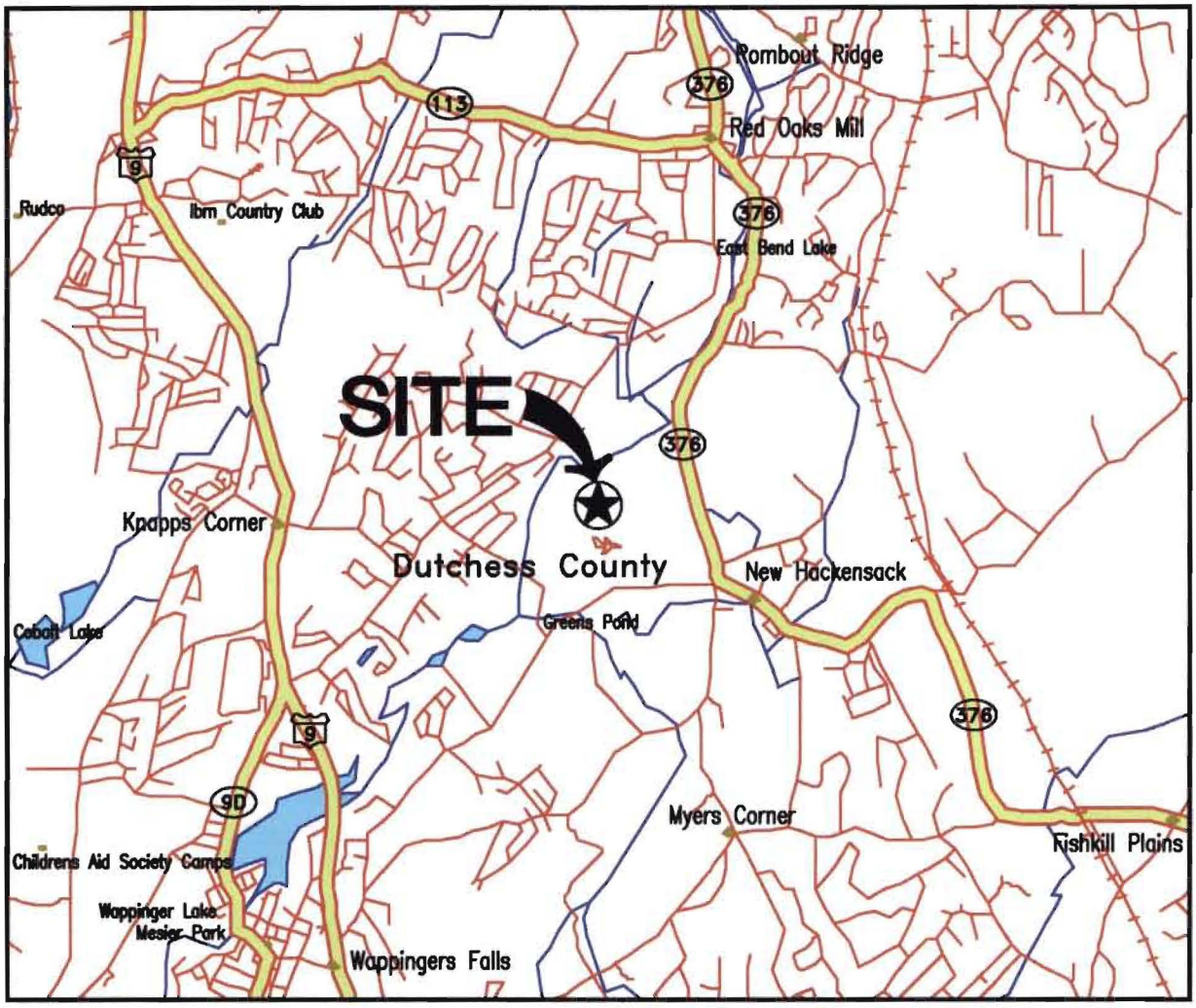
R =Data unusable (compound may or may not be present).

NS = Not Sampled.

ND = Not Detected.

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALB	S. SHKOLNIK 12-12-02			820131A3



SCALE 1:62,500

N

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

Shaw Environmental, Inc.

FLAGSHIP
AIRLINES, INC.
(DBA AMERICAN EAGLE)

FIGURE 1

SITE LOCATION MAP
DUTCHESS COUNTY AIRPORT
WAPPINGER FALLS, NEW YORK

DRAWING NUMBER	820131D42
APPROVED BY	
CHECKED BY	
DRAWN BY	S. SHKOLNIK 12-12-02
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

SANITARY SEWER

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

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

DG-1

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

EW-4 EW-5 EW-7 EW-2 EW-1 EW-6 EW-3

SP-6 SP-7 SP-2 SP-3 SP-5 SP-4

ST-1

PZ-1

UP

UP

UP

UP

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- NAPHTHALENE ISOCHRON (DASHED WHERE INFERRED)

SCALE
0 20 40 80 FEET

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

PLOT DATE: 12/12/02
FORMAT REVISION 9/24/99

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Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 2
WELL LOCATION MAP

WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER	820131D36
APPROVED BY	
CHECKED BY	
DRAWN BY	SSH/SL/DMC 12-12-02
OFFICE	ALBANY, NY
X-REF	---
IMAGE	---

N

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FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

PROPERTY LINE (APPROXIMATE)

UP

ME-13 150.59
A-39S 151.44
A-8S 151.80
ME-15 153.62
A-16S 151.09
A-19S 151.28
DG-1 152.19
SANITARY SEWER
A-41S 151.02
A-27S 151.68
A-44S 150.39
EW-4
SP-6
A-40S 151.60
A-20S 151.21
MW-3
ME-14 153.60
ME-17
ME-16 153.85
EW-5
SP-7
MW-20 153.55
ME-19 152.48
EW-6
SP-5
A-26S 151.26
A-42S 150.62
MW-4
MW-8 152.02
MW-2 153.94
EW-2
ME-11
SP-3
ME-12 153.29
EW-7
SP-2
PZ-1 152.22
SP-4
EW-3
ME-18 153.22
MW-9 153.96
ST-1
EW-1
MW-6 153.63
MW-7A 153.70
MW-10 153.78
MW-5
A-43S 151.22
MW-1 152.63

151.0 151.4 151.8 152.2 152.6 153.0 153.4 153.8

LEGEND:

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

NM NOT MESURED

SCALE 0 20 40 60 FEET

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

PLOT DATE: 12/16/02
FORMAT REVISION 9/24/99

Shaw
Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 3
GROUNDWATER CONTOUR MAP

SEPTEMBER 24, 2002
WAPPINGERS FALLS, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALBANY, NY	SSH/SL/DMC 12-11-02			820131D38

N

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FORMER IBM HANGER FACILITY

FORMER FLAGSHIP HANGER FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

SANITARY SEWER

UP

ME-15
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

ME-13
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

A-8S
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

DG-1
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

SEWER
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

A-27S
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

ME-14
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

ME-12
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

A-26S
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

MW-2
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

MW-20
9/24/02
10 U
10 U
10 U
10 U
10 U
60

ME-19
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

A-42S
9/24/02
5 J
10 U
10 U
10 U
10 U
870

ME-16
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

MW-8
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

MW-9
9/24/02
10 U
10 U
10 U
70
10 U
260

MW-6
9/24/02
10 U
10 U
10 U
10 U
10 U
62

ME-18
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

MW-1
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

MW-7A
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

MW-10
9/24/02
10 U
10 U
10 U
26
10 U
10 U

A-43S
9/24/02
10 U
10 U
10 U
10 U
10 U
10 U

LEGEND:

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

MW-9	WELL ID
9/24/02	DATE
10 U	DCA
10 U	1,1,1-TCA
10 U	TCE
70	PCE
10 U	TOLUENE
260	NAPHTHALENE

10 U NOT DETECTED

J ESTIMATED CONCENTRATION

SCALE

0 20 40 80 FEET

REFERENCE:

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

PLOT DATE: 12/11/02
FORMAT REVISION 9/24/99

Shaw™
Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 4
ANALYTICAL SUMMARY MAP

SEPTEMBER 24, 2002
WAPPINGERS FALLS, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALBANY, NY	S. SHKOLNIK 12-11-02			820131D39

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
ME-15 10 U
A-39S
A-8S 10U
A-16S
DG-1 10U
A-19S
SANITARY SEWER 10U
A-41S
A-27S 2J
A-20S
A-44S
EW-4
SP-6
A-40S
A-26S 10U
MW-3
ME-14 10 U
EW-5
ME-17
ME-16 10 U
SP-7
60 MW-20
ME-19 10 U
EW-6
A-42S 870
SP-5
MW-4 UP
MW-8 10U
A-43S 10U
PZ-1
MW-2 10 U
SP-2
EW-2
ME-11
SP-3
ME-12 10 U
SP-4
EW-3
100 ug/l
10 ug/l
MW-9 260
MW-6 62
ST-1
ME-18 11U
MW-7A 10 U
MW-10 10 U
EW-1
MW-5
MW-1
UP
UP
UP

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- NAPHTHALENE ISOCHRON (DASHED WHERE INFERRED)
- 10 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: 12/11/02
FORMAT REVISION 9/24/99

Shaw™
Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 5
NAPHTHALENE ISOCHRON MAP (9/24/02)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	ALBANY, NY	S. SHKOLNIK	12-11-02		820131D40

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
ME-15 10 U
A-39S
A-8S 10U
A-16S
DG-1 10U
A-19S
SANITARY SEWER 10U
A-41S
A-27S 10U
A-20S
A-44S
EW-4
SP-6
A-40S
A-26S 10U
MW-20 10U
ME-19 10 U
EW-6
SP-5
10 ug/l
A-42S 13
MW-4 UP
MW-8 10U
A-43S 10U
PZ-1
SP-4
EW-3
MW-1
MW-3
ME-14 10 U
EW-5
SP-7
ME-17
ME-16 10 U
MW-2 10 U
EW-2
ME-11
SP-3
ME-12 10 U
EW-7
SP-2
MW-9 10 U
MW-6 62
ST-1
EW-1
MW-7A 10 U
MW-10 10 U
MW-5
ME-18 11U
UP
UP
UP

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- NAPHTHALENE ISOCHRON (DASHED WHERE INFERRED)
- 10 U NON-DETECT

SCALE
0 20 40 80 FEET

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

PLOT DATE: 12/11/02
FORMAT REVISION 9/24/99

Shaw
Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 6
CHLOROETHANE ISOCHRON MAP (9/24/02)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER 820131D41
APPROVED BY
CHECKED BY
DRAWN BY S. SHKOLNIK 12-11-02
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
ME-15 10 U
ME-17
ME-16 10 U
ME-14 10 U
ME-12 10 U
ME-11
ME-18 11U
ME-19 10U
MW-3
MW-2 10 U
MW-9 10 U
MW-6 62
MW-7A 10 U
MW-10 14
MW-5
MW-20 10U
MW-4 UP
MW-8 10U
MW-1
EW-1
EW-2
EW-3
EW-4
EW-5
EW-6
EW-7
SP-2
SP-3
SP-4
SP-5
SP-6
SP-7
ST-1
A-39S
A-8S 10U
A-16S
A-19S
DG-1 10U
SANITARY SEWER 10U
A-41S
A-40S
A-42S 7J
A-43S 10U
A-44S
A-27S 9J
A-20S
A-26S 10U
PZ-1
10 ug/L
UP

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- NAPHTHALENE ISOCHRON (DASHED WHERE INFERRED)
- 10 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: 12/11/02
FORMAT REVISION 9/24/99

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 7
1,2-DICHLOROETHENE ISOCHRON MAP (9/24/02)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

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

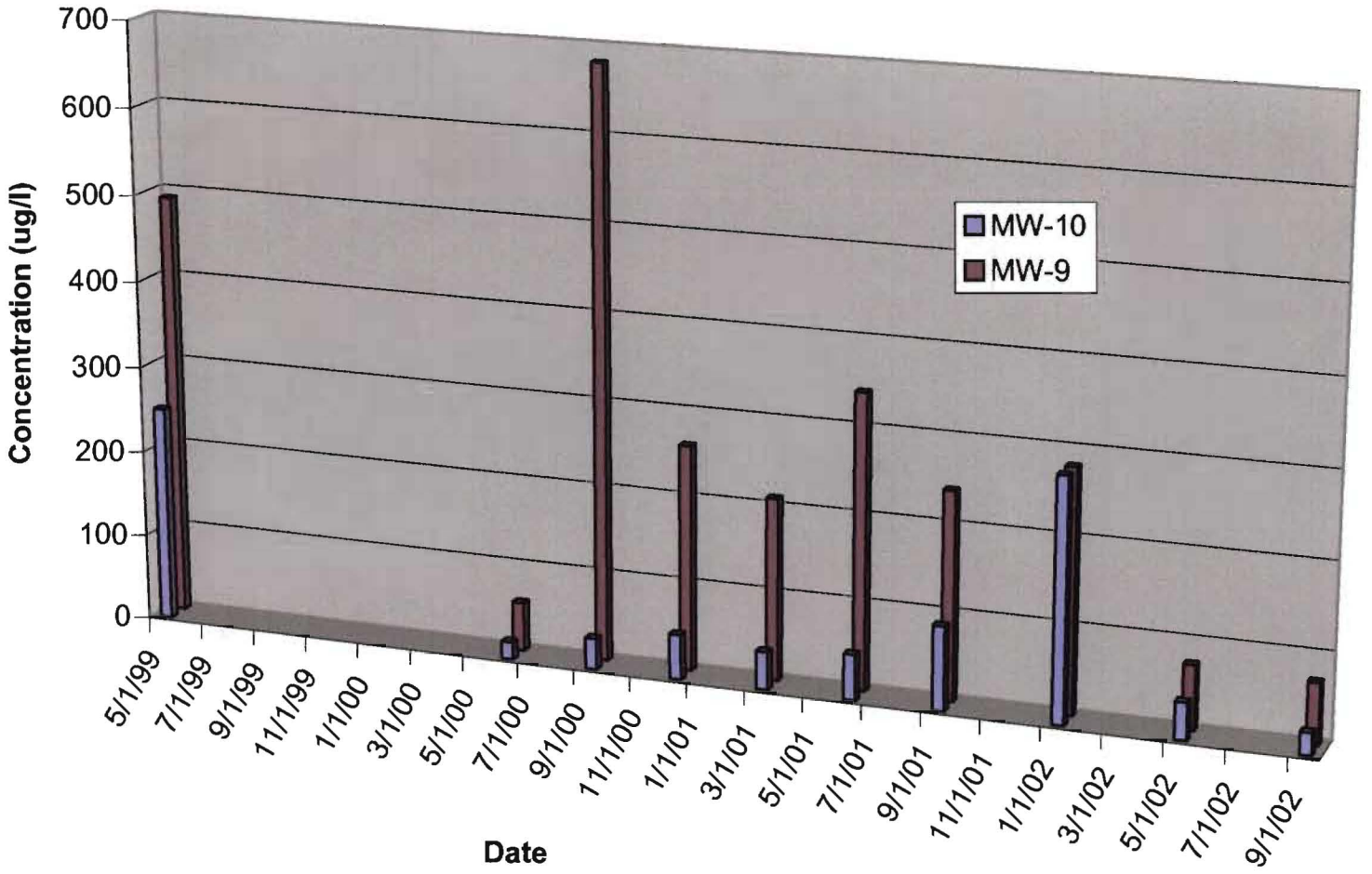


Figure 9

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

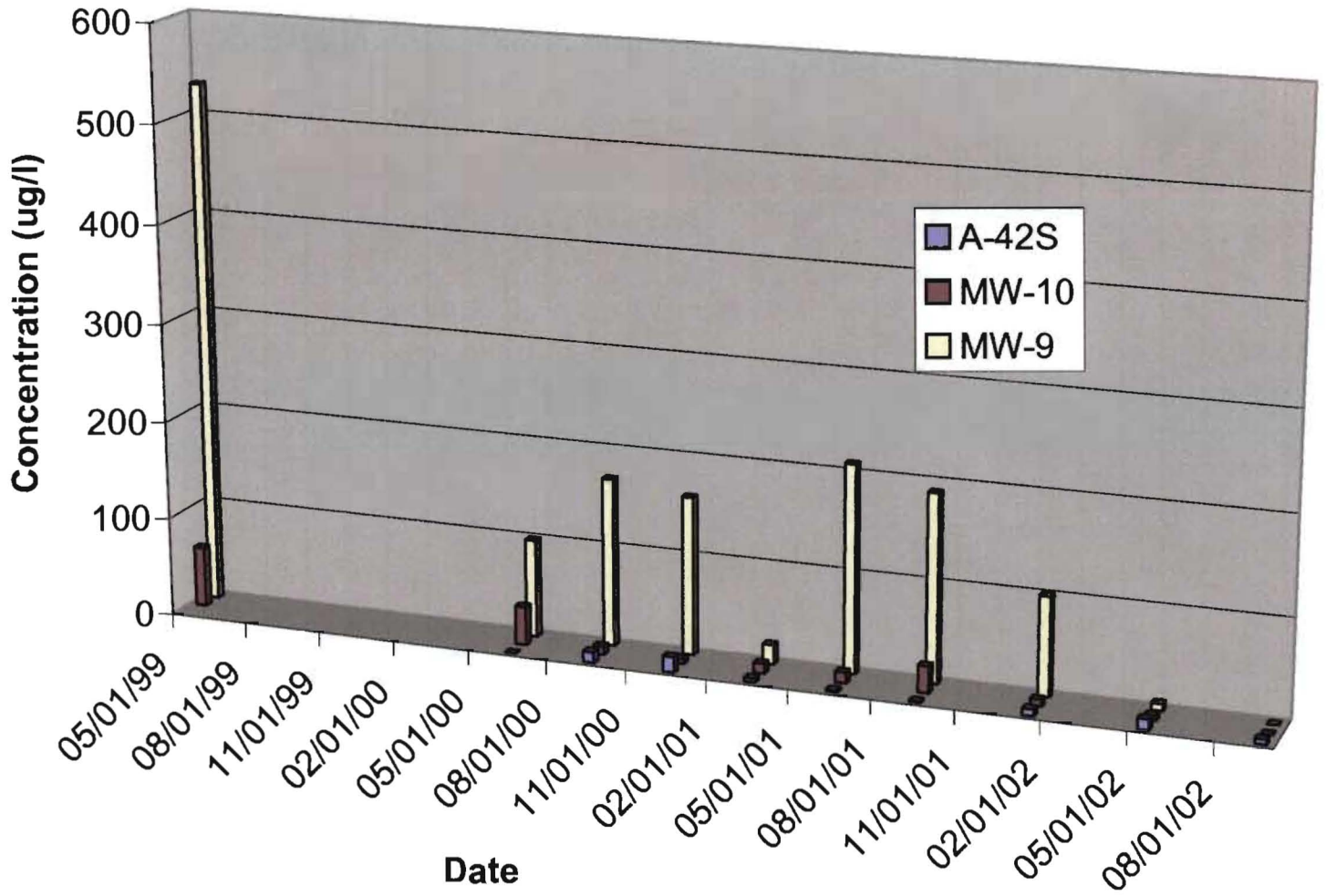
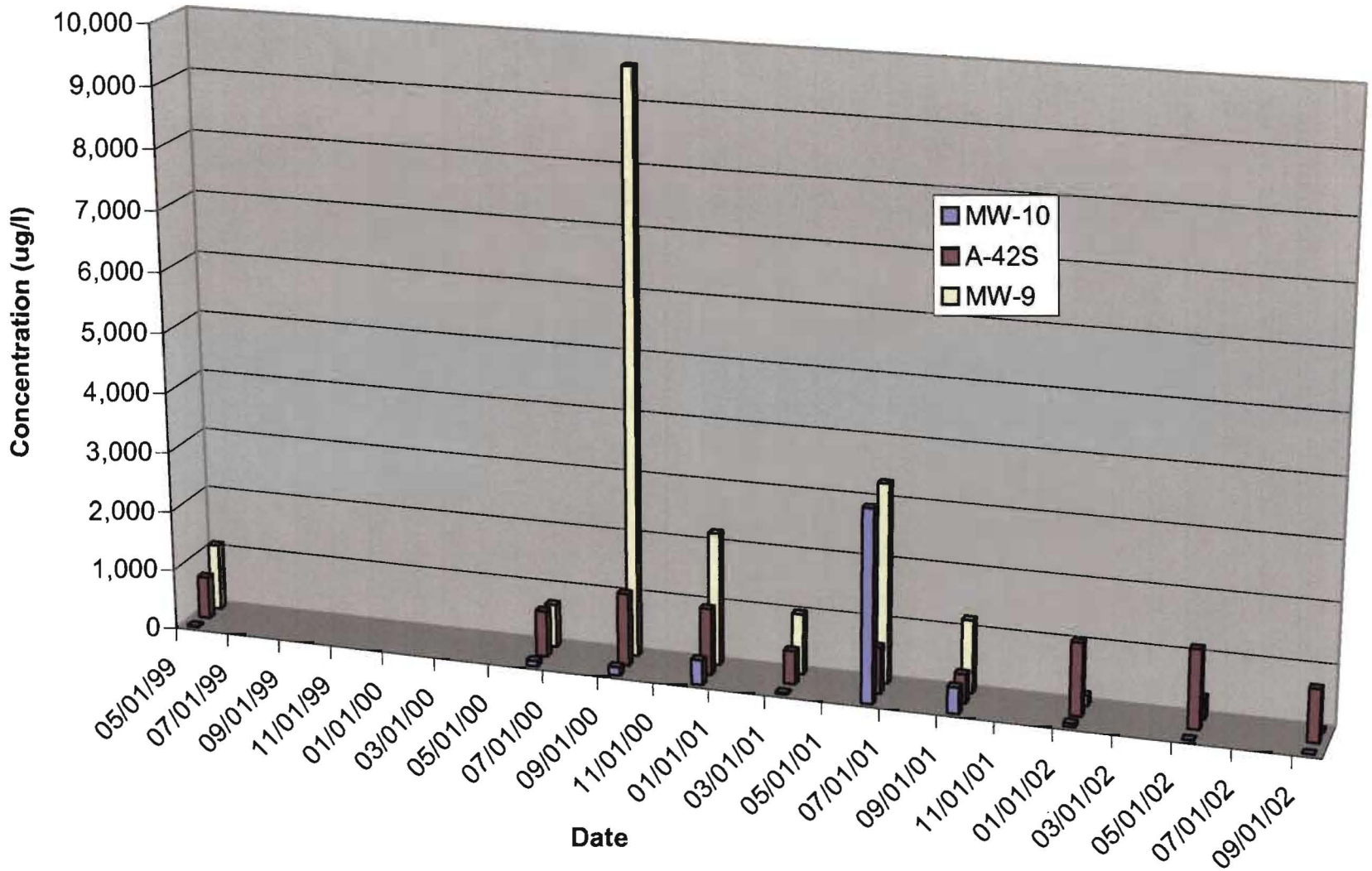


Figure 10
Dissolved Naphthalene Trends, MW-9, MW-10 & A-42S



APPENDIX A

ANALYTICAL RESULTS – SVE SYSTEM
(SEPTEMBER 24, 2002)

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

REPORT DATE 10/1/02

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

Brian Neumann

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

Flagship

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-66514
JOB NUMBER: -

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

PROJECT LOCATION: FLAGSHIP POU

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
1	02B25239	AIR	SVE INF NORTH/SOUTH	to-14 ppbv
1	02B25239	AIR	SVE INF NORTH/SOUTH	to-14 ug/m3
2	02B25240	AIR	SVE EFF NORTH/SOUTH	to-14 ppbv
2	02B25240	AIR	SVE EFF NORTH/SOUTH	to-14 ug/m3
*3	02B25241	AIR	SVE INF SOUTH ONLY	to-14 ppbv
*3	02B25241	AIR	SVE INF SOUTH ONLY	to-14 ug/m3
4	02B25242	AIR	SVE EFF SOUTH ONLY	to-14 ppbv
4	02B25242	AIR	SVE EFF SOUTH ONLY	to-14 ug/m3

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

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

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

Edward Denson 10/1/02

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample

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

10/1/02

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 1

LIMS-BAT #: LIMS-66514
Job Number: -

Sample ID : 02B25239
Sampled : 9/24/02
SVE INF NORTH/SOUTH
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	ND	09/27/02	PRM	0.5			
Bromomethane	PPBv	ND	09/27/02	PRM	0.5			
Carbon Tetrachloride	PPBv	ND	09/27/02	PRM	0.5			
Chlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
Chloroethane	PPBv	ND	09/27/02	PRM	0.5			
Chloroform	PPBv	ND	09/27/02	PRM	0.5			
Chloromethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dibromoethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,3-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,4-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
Dichlorodifluoromethane	PPBv	ND	09/27/02	PRM	0.5			
1,1-Dichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,1-Dichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
cis-1,2-Dichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichloropropane	PPBv	ND	09/27/02	PRM	0.5			
cis-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	0.5			
trans-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/27/02	PRM	0.5			
Ethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
Hexachlorobutadiene	PPBv	ND	09/27/02	PRM	0.5			
Methylene Chloride	PPBv	ND	09/27/02	PRM	0.5			
Styrene	PPBv	ND	09/27/02	PRM	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/27/02	PRM	0.5			
Tetrachloroethylene	PPBv	ND	09/27/02	PRM	0.5			
Toluene	PPBv	ND	09/27/02	PRM	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,1,1-Trichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,1,2-Trichloroethane	PPBv	ND	09/27/02	PRM	0.5			

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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

10/1/02

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 1

LIMS-BAT #: LIMS-66514
Job Number: -

Sample ID : 02B25239
Sampled : 9/24/02
SVE INF NORTH/SOUTH

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/27/02	PRM	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/27/02	PRM	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
Vinyl Chloride	PPBv	ND	09/27/02	PRM	0.5			
m/p-Xylene	PPBv	ND	09/27/02	PRM	0.5			
o-Xylene	PPBv	ND	09/27/02	PRM	0.5			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 2
Sample ID : 02B25240
Sample Matrix: AIR

LIMS-BAT #: LIMS-66514
Job Number: -

Sampled : 9/24/02
SVE EFF NORTH/SOUTH
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	ND	09/27/02	PRM	0.5			
Bromomethane	PPBv	ND	09/27/02	PRM	0.5			
Carbon Tetrachloride	PPBv	ND	09/27/02	PRM	0.5			
Chlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
Chloroethane	PPBv	ND	09/27/02	PRM	0.5			
Chloroform	PPBv	ND	09/27/02	PRM	0.5			
Chloromethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dibromoethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,3-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,4-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
Dichlorodifluoromethane	PPBv	ND	09/27/02	PRM	0.5			
1,1-Dichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,1-Dichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
cis-1,2-Dichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichloropropane	PPBv	ND	09/27/02	PRM	0.5			
cis-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	0.5			
trans-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/27/02	PRM	0.5			
Ethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
Hexachlorobutadiene	PPBv	ND	09/27/02	PRM	0.5			
Methylene Chloride	PPBv	ND	09/27/02	PRM	0.5			
Styrene	PPBv	ND	09/27/02	PRM	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/27/02	PRM	0.5			
Tetrachloroethylene	PPBv	ND	09/27/02	PRM	0.5			
Toluene	PPBv	ND	09/27/02	PRM	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,1,1-Trichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,1,2-Trichloroethane	PPBv	ND	09/27/02	PRM	0.5			

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 2

LIMS-BAT #: LIMS-66514
Job Number: -

Sample ID : 02B25240
Sampled : 9/24/02
SVE EFF NORTH/SOUTH
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/27/02	PRM	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/27/02	PRM	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
Vinyl Chloride	PPBv	ND	09/27/02	PRM	0.5			
m/p-Xylene	PPBv	ND	09/27/02	PRM	0.5			
o-Xylene	PPBv	ND	09/27/02	PRM	0.5			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

10/1/02

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 3

LIMS-BAT #: LIMS-66514
Job Number: -

Sample ID : *02B25241

Sampled : 9/24/02
SVE INF SOUTH ONLY

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	ND	09/27/02	PRM	7.6			
Bromomethane	PPBv	ND	09/27/02	PRM	7.6			
Carbon Tetrachloride	PPBv	ND	09/27/02	PRM	7.6			
Chlorobenzene	PPBv	ND	09/27/02	PRM	7.6			
Chloroethane	PPBv	ND	09/27/02	PRM	7.6			
Chloroform	PPBv	ND	09/27/02	PRM	7.6			
Chloromethane	PPBv	ND	09/27/02	PRM	7.6			
1,2-Dibromoethane	PPBv	ND	09/27/02	PRM	7.6			
1,2-Dichlorobenzene	PPBv	ND	09/27/02	PRM	7.6			
1,3-Dichlorobenzene	PPBv	ND	09/27/02	PRM	7.6			
1,4-Dichlorobenzene	PPBv	ND	09/27/02	PRM	7.6			
Dichlorodifluoromethane	PPBv	ND	09/27/02	PRM	7.6			
1,1-Dichloroethane	PPBv	ND	09/27/02	PRM	7.6			
1,2-Dichloroethane	PPBv	ND	09/27/02	PRM	7.6			
1,1-Dichloroethylene	PPBv	ND	09/27/02	PRM	7.6			
cis-1,2-Dichloroethylene	PPBv	ND	09/27/02	PRM	7.6			
1,2-Dichloropropane	PPBv	ND	09/27/02	PRM	7.6			
cis-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	7.6			
trans-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	7.6			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/27/02	PRM	7.6			
Ethylbenzene	PPBv	ND	09/27/02	PRM	7.6			
Hexachlorobutadiene	PPBv	ND	09/27/02	PRM	7.6			
Methylene Chloride	PPBv	ND	09/27/02	PRM	7.6			
Styrene	PPBv	ND	09/27/02	PRM	7.6			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/27/02	PRM	7.6			
Tetrachloroethylene	PPBv	ND	09/27/02	PRM	7.6			
Toluene	PPBv	ND	09/27/02	PRM	7.6			
1,2,4-Trichlorobenzene	PPBv	ND	09/27/02	PRM	7.6			
1,1,1-Trichloroethane	PPBv	ND	09/27/02	PRM	7.6			
1,1,2-Trichloroethane	PPBv	ND	09/27/02	PRM	7.6			

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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

10/1/02

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 3
Sample ID : *02B25241
Sampled : 9/24/02
SVE INF SOUTH ONLY
Sample Matrix: AIR
Sample Medium : SUMMA

LIMS-BAT #: LIMS-66514
Job Number: -

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	PPBv	ND	09/27/02	PRM	7.6			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/27/02	PRM	7.6			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/27/02	PRM	7.6			
1,2,4-Trimethylbenzene	PPBv	ND	09/27/02	PRM	7.6			
1,3,5-Trimethylbenzene	PPBv	ND	09/27/02	PRM	7.6			
Vinyl Chloride	PPBv	ND	09/27/02	PRM	7.6			
m/p-Xylene	PPBv	ND	09/27/02	PRM	7.6			
o-Xylene	PPBv	ND	09/27/02	PRM	7.6			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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ANALYTICAL LABORATORY

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

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

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 4
Sample ID : 02B25242
Sample Matrix: AIR

LIMS-BAT #: LIMS-66514
Job Number: -

Sampled : 9/24/02
SVE EFF SOUTH ONLY
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	PPBv	ND	09/27/02	PRM	0.5			
Bromomethane	PPBv	ND	09/27/02	PRM	0.5			
Carbon Tetrachloride	PPBv	ND	09/27/02	PRM	0.5			
Chlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
Chloroethane	PPBv	ND	09/27/02	PRM	0.5			
Chloroform	PPBv	ND	09/27/02	PRM	0.5			
Chloromethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dibromoethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,3-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,4-Dichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
Dichlorodifluoromethane	PPBv	ND	09/27/02	PRM	0.5			
1,1-Dichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,1-Dichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
cis-1,2-Dichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichloropropane	PPBv	ND	09/27/02	PRM	0.5			
cis-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	0.5			
trans-1,3-Dichloropropene	PPBv	ND	09/27/02	PRM	0.5			
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	09/27/02	PRM	0.5			
Ethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
Hexachlorobutadiene	PPBv	ND	09/27/02	PRM	0.5			
Methylene Chloride	PPBv	ND	09/27/02	PRM	0.5			
Styrene	PPBv	ND	09/27/02	PRM	0.5			
1,1,2,2-Tetrachloroethane	PPBv	ND	09/27/02	PRM	0.5			
Tetrachloroethylene	PPBv	ND	09/27/02	PRM	0.5			
Toluene	PPBv	ND	09/27/02	PRM	0.5			
1,2,4-Trichlorobenzene	PPBv	ND	09/27/02	PRM	0.5			
1,1,1-Trichloroethane	PPBv	ND	09/27/02	PRM	0.5			
1,1,2-Trichloroethane	PPBv	ND	09/27/02	PRM	0.5			

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

10/1/02

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 4
Sample ID : 02B25242
Sample Matrix: AIR

LIMS-BAT #: LIMS-66514
Job Number: -

Sampled : 9/24/02
SVE EFF SOUTH ONLY
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	PPBv	ND	09/27/02	PRM	0.5			
Trichlorofluoromethane (Freon 11)	PPBv	ND	09/27/02	PRM	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	09/27/02	PRM	0.5			
1,2,4-Trimethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
1,3,5-Trimethylbenzene	PPBv	ND	09/27/02	PRM	0.5			
Vinyl Chloride	PPBv	ND	09/27/02	PRM	0.5			
m/p-Xylene	PPBv	ND	09/27/02	PRM	0.5			
o-Xylene	PPBv	ND	09/27/02	PRM	0.5			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
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BRIAN NEUMANN
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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 1
Sample ID : 02B25239
Sample Matrix: AIR

LIMS-BAT #: LIMS-66514
Job Number: -

Sampled : 9/24/02
SVE INF NORTH/SOUTH
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/cu m	ND	09/27/02	PRM	1.6			
Bromomethane	ug/cu m	ND	09/27/02	PRM	1.9			
Carbon Tetrachloride	ug/cu m	ND	09/27/02	PRM	3.1			
Chlorobenzene	ug/cu m	ND	09/27/02	PRM	2.3			
Chloroethane	ug/cu m	ND	09/27/02	PRM	1.3			
Chloroform	ug/cu m	ND	09/27/02	PRM	2.4			
Chloromethane	ug/cu m	ND	09/27/02	PRM	1.0			
1,2-Dibromoethane	ug/cu m	ND	09/27/02	PRM	3.8			
1,2-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
1,3-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
1,4-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
Dichlorodifluoromethane	ug/cu m	ND	09/27/02	PRM	2.5			
1,1-Dichloroethane	ug/cu m	ND	09/27/02	PRM	2.0			
1,2-Dichloroethane	ug/cu m	ND	09/27/02	PRM	2.0			
1,1-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	2.0			
cis-1,2-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	2.0			
1,2-Dichloropropane	ug/cu m	ND	09/27/02	PRM	2.3			
cis-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	2.3			
trans-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/cu m	ND	09/27/02	PRM	3.5			
Ethylbenzene	ug/cu m	ND	09/27/02	PRM	2.2			
Hexachlorobutadiene	ug/cu m	ND	09/27/02	PRM	5.3			
Methylene Chloride	ug/cu m	ND	09/27/02	PRM	1.7			
Styrene	ug/cu m	ND	09/27/02	PRM	2.1			
1,1,2,2-Tetrachloroethane	ug/cu m	ND	09/27/02	PRM	3.4			
Tetrachloroethylene	ug/cu m	ND	09/27/02	PRM	3.4			
Toluene	ug/cu m	ND	09/27/02	PRM	1.9			
1,2,4-Trichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.7			
1,1,1-Trichloroethane	ug/cu m	ND	09/27/02	PRM	2.7			
1,1,2-Trichloroethane	ug/cu m	ND	09/27/02	PRM	2.7			

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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 1
Sample ID : 02B25239
Sample Matrix: AIR

LIMS-BAT #: LIMS-66514
Job Number: -

Sampled : 9/24/02
SVE INF NORTH/SOUTH
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	ug/cu m	ND	09/27/02	PRM	2.7			
Trichlorofluoromethane	ug/cu m	ND	09/27/02	PRM	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/cu m	ND	09/27/02	PRM	3.8			
1,2,4-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	2.5			
1,3,5-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	2.5			
Vinyl Chloride	ug/cu m	ND	09/27/02	PRM	1.3			
m/p-Xylene	ug/cu m	ND	09/27/02	PRM	2.2			
o-Xylene	ug/cu m	ND	09/27/02	PRM	2.2			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 2
Sample ID : 02B25240
Sample Matrix: AIR

LIMS-BAT #: LIMS-66514
Job Number: -

Sampled : 9/24/02
SVE EFF NORTH/SOUTH
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/cu m	ND	09/27/02	PRM	1.6			
Bromomethane	ug/cu m	ND	09/27/02	PRM	1.9			
Carbon Tetrachloride	ug/cu m	ND	09/27/02	PRM	3.1			
Chlorobenzene	ug/cu m	ND	09/27/02	PRM	2.3			
Chloroethane	ug/cu m	ND	09/27/02	PRM	1.3			
Chloroform	ug/cu m	ND	09/27/02	PRM	2.4			
Chloromethane	ug/cu m	ND	09/27/02	PRM	1.0			
1,2-Dibromoethane	ug/cu m	ND	09/27/02	PRM	3.8			
1,2-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
1,3-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
1,4-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
Dichlorodifluoromethane	ug/cu m	ND	09/27/02	PRM	2.5			
1,1-Dichloroethane	ug/cu m	ND	09/27/02	PRM	2.0			
1,2-Dichloroethane	ug/cu m	ND	09/27/02	PRM	2.0			
1,1-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	2.0			
cis-1,2-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	2.0			
1,2-Dichloropropane	ug/cu m	ND	09/27/02	PRM	2.3			
cis-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	2.3			
trans-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/cu m	ND	09/27/02	PRM	3.5			
Ethylbenzene	ug/cu m	ND	09/27/02	PRM	2.2			
Hexachlorobutadiene	ug/cu m	ND	09/27/02	PRM	5.3			
Methylene Chloride	ug/cu m	ND	09/27/02	PRM	1.7			
Styrene	ug/cu m	ND	09/27/02	PRM	2.1			
1,1,2,2-Tetrachloroethane	ug/cu m	ND	09/27/02	PRM	3.4			
Tetrachloroethylene	ug/cu m	ND	09/27/02	PRM	3.4			
Toluene	ug/cu m	ND	09/27/02	PRM	1.9			
1,2,4-Trichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.7			
1,1,1-Trichloroethane	ug/cu m	ND	09/27/02	PRM	2.7			
1,1,2-Trichloroethane	ug/cu m	ND	09/27/02	PRM	2.7			

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BRIAN NEUMANN
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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 2
Sample ID : 02B25240
Sampled : 9/24/02
SVE EFF NORTH/SOUTH
Sample Matrix: AIR
Sample Medium : SUMMA

LIMS-BAT #: LIMS-66514
Job Number: -

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	ug/cu m	ND	09/27/02	PRM	2.7			
Trichlorofluoromethane	ug/cu m	ND	09/27/02	PRM	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/cu m	ND	09/27/02	PRM	3.8			
1,2,4-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	2.5			
1,3,5-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	2.5			
Vinyl Chloride	ug/cu m	ND	09/27/02	PRM	1.3			
m/p-Xylene	ug/cu m	ND	09/27/02	PRM	2.2			
o-Xylene	ug/cu m	ND	09/27/02	PRM	2.2			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 3

LIMS-BAT #: LIMS-66514
Job Number: -

Sample ID : 02B25241
Sampled : 9/24/02
SVE INF SOUTH ONLY
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Benzene	ug/cu m	ND	09/27/02	PRM	24.3			
Bromomethane	ug/cu m	ND	09/27/02	PRM	29.4			
Carbon Tetrachloride	ug/cu m	ND	09/27/02	PRM	47.0			
Chlorobenzene	ug/cu m	ND	09/27/02	PRM	34.9			
Chloroethane	ug/cu m	ND	09/27/02	PRM	20.0			
Chloroform	ug/cu m	ND	09/27/02	PRM	36.9			
Chloromethane	ug/cu m	ND	09/27/02	PRM	15.6			
1,2-Dibromoethane	ug/cu m	ND	09/27/02	PRM	58.3			
1,2-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	45.7			
1,3-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	45.7			
1,4-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	45.7			
Dichlorodifluoromethane	ug/cu m	ND	09/27/02	PRM	37.5			
1,1-Dichloroethane	ug/cu m	ND	09/27/02	PRM	30.6			
1,2-Dichloroethane	ug/cu m	ND	09/27/02	PRM	30.6			
1,1-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	30.0			
cis-1,2-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	30.0			
1,2-Dichloropropane	ug/cu m	ND	09/27/02	PRM	35.0			
cis-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	34.4			
trans-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	34.4			
1,2-Dichlorotetrafluoroethane (114)	ug/cu m	ND	09/27/02	PRM	53.1			
Ethylbenzene	ug/cu m	ND	09/27/02	PRM	32.9			
Hexachlorobutadiene	ug/cu m	ND	09/27/02	PRM	80.9			
Methylene Chloride	ug/cu m	ND	09/27/02	PRM	26.4			
Styrene	ug/cu m	ND	09/27/02	PRM	32.3			
1,1,2,2-Tetrachloroethane	ug/cu m	ND	09/27/02	PRM	52.0			
Tetrachloroethylene	ug/cu m	ND	09/27/02	PRM	51.4			
Toluene	ug/cu m	ND	09/27/02	PRM	28.5			
1,2,4-Trichlorobenzene	ug/cu m	ND	09/27/02	PRM	56.3			
1,1,1-Trichloroethane	ug/cu m	ND	09/27/02	PRM	41.4			
1,1,2-Trichloroethane	ug/cu m	ND	09/27/02	PRM	41.4			

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

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 3

LIMS-BAT #: LIMS-66514
Job Number: -

Sample ID : **02B25241**
Sampled : 9/24/02
SVE INF SOUTH ONLY
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	ug/cu m	ND	09/27/02	PRM	40.8			
Trichlorofluoromethane	ug/cu m	ND	09/27/02	PRM	42.6			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/cu m	ND	09/27/02	PRM	58.1			
1,2,4-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	37.3			
1,3,5-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	37.3			
Vinyl Chloride	ug/cu m	ND	09/27/02	PRM	19.4			
m/p-Xylene	ug/cu m	ND	09/27/02	PRM	32.9			
o-Xylene	ug/cu m	ND	09/27/02	PRM	32.9			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected
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BRIAN NEUMANN
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13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 4
Sample ID : 02B25242
Sampled : 9/24/02
SVE EFF SOUTH ONLY
Sample Matrix: AIR
Sample Medium : SUMMA

LIMS-BAT #: LIMS-66514
Job Number: -

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Benzene	ug/cu m	ND	09/27/02	PRM	1.6			
Bromomethane	ug/cu m	ND	09/27/02	PRM	1.9			
Carbon Tetrachloride	ug/cu m	ND	09/27/02	PRM	3.1			
Chlorobenzene	ug/cu m	ND	09/27/02	PRM	2.3			
Chloroethane	ug/cu m	ND	09/27/02	PRM	1.3			
Chloroform	ug/cu m	ND	09/27/02	PRM	2.4			
Chloromethane	ug/cu m	ND	09/27/02	PRM	1.0			
1,2-Dibromoethane	ug/cu m	ND	09/27/02	PRM	3.8			
1,2-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
1,3-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
1,4-Dichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.0			
Dichlorodifluoromethane	ug/cu m	ND	09/27/02	PRM	2.5			
1,1-Dichloroethane	ug/cu m	ND	09/27/02	PRM	2.0			
1,2-Dichloroethane	ug/cu m	ND	09/27/02	PRM	2.0			
1,1-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	2.0			
cis-1,2-Dichloroethylene	ug/cu m	ND	09/27/02	PRM	2.0			
1,2-Dichloropropane	ug/cu m	ND	09/27/02	PRM	2.3			
cis-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	2.3			
trans-1,3-Dichloropropene	ug/cu m	ND	09/27/02	PRM	2.3			
1,2-Dichlorotetrafluoroethane (114)	ug/cu m	ND	09/27/02	PRM	3.5			
Ethylbenzene	ug/cu m	ND	09/27/02	PRM	2.2			
Hexachlorobutadiene	ug/cu m	ND	09/27/02	PRM	5.3			
Methylene Chloride	ug/cu m	ND	09/27/02	PRM	1.7			
Styrene	ug/cu m	ND	09/27/02	PRM	2.1			
1,1,2,2-Tetrachloroethane	ug/cu m	ND	09/27/02	PRM	3.4			
Tetrachloroethylene	ug/cu m	ND	09/27/02	PRM	3.4			
Toluene	ug/cu m	ND	09/27/02	PRM	1.9			
1,2,4-Trichlorobenzene	ug/cu m	ND	09/27/02	PRM	3.7			
1,1,1-Trichloroethane	ug/cu m	ND	09/27/02	PRM	2.7			
1,1,2-Trichloroethane	ug/cu m	ND	09/27/02	PRM	2.7			

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

con-test®
ANALYTICAL LABORATORY
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BRIAN NEUMANN
SHAW ENV. & INFRASTRUCTURE - NY
13 BRITISH AMERICAN BOULEVARD
LATHAM, NY 12110

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02
Field Sample # : 4

LIMS-BAT #: LIMS-66514
Job Number: -

Sample ID : 02B25242
Sampled : 9/24/02
SVE EFF SOUTH ONLY
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Trichloroethylene	ug/cu m	ND	09/27/02	PRM	2.7			
Trichlorofluoromethane	ug/cu m	ND	09/27/02	PRM	2.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/cu m	ND	09/27/02	PRM	3.8			
1,2,4-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	2.5			
1,3,5-Trimethylbenzene	ug/cu m	ND	09/27/02	PRM	2.5			
Vinyl Chloride	ug/cu m	ND	09/27/02	PRM	1.3			
m/p-Xylene	ug/cu m	ND	09/27/02	PRM	2.2			
o-Xylene	ug/cu m	ND	09/27/02	PRM	2.2			

Analytical Method:
EPA TO-14A
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected
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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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

Purchase Order No.:

Project Location: FLAGSHIP POU
Date Received: 9/25/02

LIMS-BAT #: LIMS-66514
Job Number: -

The following notes were attached to the reported analysis :

Sample ID: * 02B25241

Analysis: to-14 ppbv

CANISTER RETURNED TO LABORATORY UNDER HIGH VACUUM. NITROGEN ADDED TO PROVIDE SUFFICIENT VOLUME FOR ANALYSIS, RESULTING IN ELEVATED DETECTION LIMITS.

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/1/02 Lims Bat # : LIMS-66514

QC Batch Number: BATCH-4778

Sample Id	Analysis	QC Analysis	Values	Units	Limits
02B25239					
	4-Bromofluorobenzene	Surrogate Recovery	82.8	%	70-130
02B25240					
	4-Bromofluorobenzene	Surrogate Recovery	83.5	%	70-130
02B25241					
	4-Bromofluorobenzene	Surrogate Recovery	75.8	%	70-130
02B25242					
	4-Bromofluorobenzene	Surrogate Recovery	86.0	%	70-130
BLANK-44845					
	Benzene	Blank	<0.5	PPBv	
	Carbon Tetrachloride	Blank	<0.5	PPBv	
	Chloroform	Blank	<0.5	PPBv	
	1,2-Dichloroethane	Blank	<0.5	PPBv	
	1,4-Dichlorobenzene	Blank	<0.5	PPBv	
	Ethylbenzene	Blank	<0.5	PPBv	
	Styrene	Blank	<0.5	PPBv	
	Tetrachloroethylene	Blank	<0.5	PPBv	
	Toluene	Blank	<0.5	PPBv	
	1,1,1-Trichloroethane	Blank	<0.5	PPBv	
	Trichloroethylene	Blank	0.9	PPBv	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.5	PPBv	
	Trichlorofluoromethane (Freon 11)	Blank	<0.5	PPBv	
	o-Xylene	Blank	<0.5	PPBv	
	m/p-Xylene	Blank	<0.5	PPBv	
	1,2-Dichlorobenzene	Blank	<0.5	PPBv	
	1,3-Dichlorobenzene	Blank	<0.5	PPBv	
	1,1-Dichloroethane	Blank	<0.5	PPBv	
	1,1-Dichloroethylene	Blank	<0.5	PPBv	
	Vinyl Chloride	Blank	<0.5	PPBv	
	Methylene Chloride	Blank	5.7	PPBv	
	Chlorobenzene	Blank	<0.5	PPBv	
	Chloromethane	Blank	<0.5	PPBv	
	Bromomethane	Blank	<0.5	PPBv	
	Chloroethane	Blank	<0.5	PPBv	
	cis-1,3-Dichloropropene	Blank	<0.5	PPBv	
	trans-1,3-Dichloropropene	Blank	<0.5	PPBv	
	1,1,2-Trichloroethane	Blank	<0.5	PPBv	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	PPBv	
	Hexachlorobutadiene	Blank	<0.5	PPBv	
	1,2,4-Trichlorobenzene	Blank	<0.5	PPBv	
	1,2,4-Trimethylbenzene	Blank	<0.5	PPBv	
	1,3,5-Trimethylbenzene	Blank	<0.5	PPBv	
	cis-1,2-Dichloroethylene	Blank	<0.5	PPBv	
	1,2-Dichloropropane	Blank	<0.5	PPBv	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-4778

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-44845					
	Dichlorodifluoromethane	Blank	<0.5	PPBv	
	1,2-Dibromoethane	Blank	<0.5	PPBv	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.5	PPBv	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates.
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower ControlLimits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

Lims# 66514

con-test® ANALYTICAL LABORATORY

(413) 525-2332
FAX (413) 525-6405

CHAIN OF CUSTODY RECORD

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

Client Name: Shaw E&I
Telephone: 518-783-1956
Attn: Brian Neuman
Batch #:
Address: 13 British American Blvd
Latham N.Y. 12110
Project #:
Site Location: Flagship POL
Sampled By: R. Hyde
Client P.O. #:
Call Results: Yes ___ No ___
Email Format: ___.pdf format ___.xls format
Fax OR Email Results: Fax#: 518-783-8397 Email Address:

Total # of Containers submitted with this chain:

Field Sample I.D.	Sample Description	Lab # 023	DATE SAMPLED Start Date/Time	DATE SAMPLED Stop Date/Time	Composite	Grab	MATRIX: WASTE WATER	GROUND WATER	DKG WATER	Soil	Air	*Other	Preservative (Use Code)	Container (Use Code)	Analysis Required: TO-14 Site Specific
1	SVE INF North/South	25239	9/24	0900 / 1100	2hr						X				X
2	SVE EFF North/South	25240	↓	↓	↓						X				X
3	SVE INF South only	25241	9/24	1200 ↓ 1400	2hr ↓						X				X
4	SVE EFF South Only	25242		↓	↓						X				X

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

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

Relinquished by: (Signature)	Date Time	Received by: (Signature)
[signature]	9/24/02 1700	[signature] 1500 9/25
Relinquished by: (Signature)	Date Time	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received by: (Signature)

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

Remarks/Comments:

*MATRIX OTHER ___

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