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OPERATION MAINTENANCE AND MONITORING REPORT (FEBRUARY 2004 – APRIL 2004)

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

Submitted to:

Case Manager Division of Environmental Remediation
New York State Department of Environmental Conservation, Region III
21 South Putt Corners Road
New Paltz, New York 12561-1696

Submitted by:

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TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

This status report details the operational status of the Air Sparge/Soil Vapor Extraction (AS/SVE) 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 February 2004 through April 2004 and includes a discussion of the sampling event conducted on May 06, 2004 completed by Shaw Environmental, Inc. (Shaw) personnel.

The total run time for the AS and SVE systems during the reporting period was 89%. The soil vapor extraction (SVE) was repaired and reactivated during the previous reporting period as discussed in **Section 4.0**. The total run time for the SVE during this reporting period was 1,651 available hours, with 1,848 actual hours or 89%.

2.0 OPERATION AND MAINTENANCE

Monthly Operation and Maintenance (O&M) visits were performed as required by the Record of Decision (ROD). All O&M actions are performed as outlined in the revised AS/SVE Treatment System Operation and Maintenance Manual, dated April 14, 2004. O&M visits were performed on February 19, 2004, March 31, 2004 and April 07, 2004. Again for the reporting purpose of this reporting period, the May O&M will not be discussed, just the groundwater results.

Monitoring tasks performed during the typical 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.
- Quarterly groundwater sampling of ROD determined former Flagship and IBM property monitoring wells. All involved parties were notified prior to sampling.
- 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 Photoionization Detector (PID) readings.

Individual system components were also monitored to ensure that all process systems were operating within design parameters.

3.0 SIGNIFICANT OPERATIONAL NOTES

Significant operational notes for this reporting period:

- Quarterly groundwater sampling was conducted on May 06, 2004.
- Influent and effluent vapor, air stream samples were not collected during this period, per the ROD.

4.0 SOIL VAPOR EXTRACTION SYSTEM

4.1 Vapor Extraction System Operational Configuration

The SVE system consists of seven (7) horizontal SVE wells and a Roots 47-URAI rotary lobe blower powered by a 5 HP motor.

SVE wells EW-1 through EW-7 were constructed horizontally with 4-inch-diameter, SCH 40 PVC piping at a depth of approximately 4.5 feet below grade. Horizontal placement of the extraction wells was due to shallow groundwater table elevation that had been observed across the site. All seven SVE wells were fitted with six feet of 0.020-inch slotted screen. At approximately four feet below grade, 2-inch, SCH 80 PVC vapor extraction lateral piping tees off the extraction well and connects the extraction wells to the vapor manifold located in the treatment enclosure. The SVE process piping was placed on a 6-inch layer of sand, and covered by another 6-inch layer of sand. Sand and item 4 were then used to backfill the remainder of the trench, once the pipe and the sand bedding had been placed in non-paved areas. If the trench was within 6-feet of pavement or beneath pavement, item 4 was used above the pipe and sand layers to grade.

EW-1 through EW-7 were originally controlled by motor operated valves (MOVs) programmed to activate one set of SVE points while deactivating the other set of SVE points and visa versa. Each set was activated for 12-hour time periods. System adjustments have been made to allow for all SVE wells to operate simultaneously. Vapor extraction rates for each well can be regulated independently by utilizing ball valves located on each respective extraction line inside the treatment enclosure. A system design flow of 250 standard cubic feet per minute (scfm) at 50 inches of water column (w.c.) vacuum extraction rate is the design basis that yields approximately 50 scfm at 10" w.c. at each extraction well. These flow and vacuum parameters generate an area of influence of approximately 30 feet on each side of the SVE wells.

The SVE blower and related appurtenances are skid-mounted. A particulate air filter, vacuum, relief valve, inlet and discharge silencers, inlet vacuum and outlet pressure gauges, flowmeter, high pressure switch, low vacuum switch and dilution air filter/silencer/valve are located on the SVE blower skid.

The 60-gallon capacity moisture separator accepts vapors from the corresponding manifolds and removes excess water from the extracted vapor. Free liquids will accumulate in the moisture

separator tank until the high level switch is activated. Once the high level switch is activated, the system automatically shuts down until the water is manually drained and the system has been reset. The water should be drained into a drum and checked for odor and sheen. If no odor or sheen is observed, the water can be discharged on-site. If odor or sheen is detected, the water should be disposed in accordance with federal and state guidelines.

Two 2,000-pound vapor-phase granular activated carbon (VGAC) units are included in the SVE treatment train. The units are installed in a lead/lag arrangement, located outside the treatment enclosure and adsorb volatile organic compounds (VOCs) contained in the SVE blower effluent prior to discharge into the atmosphere via a 20-foot stack. Sample ports are located between and after the VGAC units to monitor the effectiveness and life cycle of the units. Carbon changeouts are required when a 5 to 10 pounds per square inch (psi) differential is noted from the inlet to the outlet side of the carbon unit, or when breakthrough is detected in the lead carbon unit indicated by the air monitoring results.

4.2 Period Performance

PID calculations for VOCs removed during this reporting period indicate that, to date, the system has removed approximately 24.64 pounds of VOCs. Based on PID monthly O&M measurements, no quantifiable VOCs have been recovered for the past twenty-three months of nearly continuous operation. System operating data and removal calculations are based on monthly PID readings shown in **Table 1**. Vapor phase carbon adsorption efficiency for the compounds of concern is shown on **Table 2**. To date, laboratory analysis, calculative collection of "compounds of concern" is determined to be approximately 3.39 pounds (**Table 3**). No SVE and vapor treatment sampling is required during this period therefore, the 3.39 pounds recovered represents the last quarterly event.

5.0 AIR SPARGE SYSTEM

5.1 Air Sparge System Operational Configuration

Interm Remedial Measure Designed Operational Configuration

The AS system consists of eight (8) vertical AS wells and a Roots 32-URAI rotary lobe blower powered by a 7.5 HP motor.

The AS compressor is skid-mounted with and inlet air filter/muffler, pressure relief valve, bypass valve and muffler, effluent silencer, pressure gauge, high pressure switch and temperature gauge.

A heat exchanger was incorporated after the blower to lower the air discharge temperature before it enters the PVC piping. The 1-inch SCH 80 PVC piping leading to the sparge wells cannot tolerate temperatures greater than 150 degrees Fahrenheit. Therefore, a high temperature switch and temperature gauge are incorporated following the heat exchanger. The optimum air discharge temperature is 100 degrees Fahrenheit.

AS wells SP-1 through SP-7 were constructed with 2-inch diameter, SCH 40 PVC piping and were installed to a depth of approximately 15 feet below grade. Each of the seven AS wells were fitted with 2 feet of 0.020-inch slotted screen at depth. Each well as brought to grade and finished with a threaded steel or PVC plug, concrete pad, and a traffic-rated metal road box. At approximately 3.5 feet below grade a 1-inch, SCH 80 PVC, sparge line tees off each well and returns to the sparge manifold located in the treatment enclosure. The AS lateral piping was placed in the sand bedding that was used for the SVE lateral piping. Prior to exiting the subsurface and penetration through the treatment enclosure wall, the air sparge piping was transitioned from PVC to high pressure EPDM hose for safety concerns associated with handling compressed air above grade.

The air-sparging manifold consists of an individual air flow meter (rotameter), needle valve, and pressure gauge for each independent sparge pipe. The sparge wells were previously controlled by motor operated valves programmed to activate one set of sparge points while deactivating other set of sparge points and vise versa. Each set was previously programmed to activate for 12-hour time periods. Sparge points SP-1, 2, 3 and 4 (Leg A) operated while extraction wells EW-1, 2, 5, and 7 operated, while SP-4, 5 and 6 operated while EW-3, 5 and 6 were operating.

ROD Modified Design Operational Configuration

In June 2003, a new sparge well (SP-8) was installed to a total depth of 23 feet below grade in the area northwest of SP-5. In November 2003, SP-1 was replaced with SP-1A which was installed to a total depth of 20 feet below grade. Sparge points SP-7, 6, 4, 3 and SP-2 were deactivated and SP-5 was valved off and a "T" installed in the line to supply air to SP-8 during the November 2003 system modifications. The valve is accessible through a flush mount roadbox. SP-1A and SP-8 are currently the only active sparge wells.

The system design flow of 55 scfm at 12-psi sparge rate (approximately 12 scfm at 8 to 10 psi per sparge well) yields a radius of influence of approximately 30 feet.

5.2 Period Performance

During the current reporting period, the sparge points ran at an average flow of approximately 5.0 cfm, with a total average system pressure of approximately 5.0-psi. The AS blower was fully operational and SP-1A through SP-8 were operating simultaneously.

Dissolved oxygen levels were measure in performance monitoring wells during the scheduled O&M visits. Based upon data collected during the quarterly monitoring period distribution of sparge air remains significantly greater than those observed prior to SP-1A and SP-8 installation and subsequent activation in November 2003. As expected and intended per the ROD sparging is most active in those two new well areas only. All historical dissolved oxygen data available since May 1999 is tabulated and show 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 zones show slight trends as of this reporting period. The only remaining dissolved contaminant levels on the former Flagship property are located down-gradient of a low to estimated former concrete drain feature area monitored by wells MW-9/10R and MW-6, and the property boundary area monitored by wells ME-19 and A-42S. 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**.

Contaminant of concern, dissolved concentration observed during the May 2004 sampling are below laboratory detection limits in MW-9\10R. This marks two-consecutive quarterly events with no detections in this former concrete drain feature area. Monitoring well MW-6 which is approximately 15-feet down-gradient from this recently remediated feature, still displays low levels of dissolved contamination. Levels have decreased since the November 2003 ROD remedial efforts. Dissolved contaminant levels are decreasing near the property boundary, as a result of SP-8 operation, though low levels persist.

This report summarizes a joint survey from the Flagship and IBM hangar property groundwater contour map for the water level measurements from this reporting period. The groundwater contour map of the May 06, 2004 event is shown as **Figure 3** in this report. Prior to monitoring well gauging the treatment system is shutdown to allow for the stabilization of the naturally occurring potentiometric surface.

During the May 06, 2004 gauging event, groundwater elevations on the Flagship parcel ranged from 155.54 feet (ME-16) to 152.58 feet (ME-19). On the IBM parcel, groundwater elevations ranged from 152.89 feet (A-8S) to 150.86 feet (A-44S). Depth to groundwater measurements and elevations are presented in **Table 4**. Based on the calculated groundwater elevations on the former Flagship and IBM properties, groundwater flow is in a northwesterly direction with localized influence from the sparge points (**Figure 3**). Flow direction irregularity, observed on the down-gradient portion of the site has been consistent throughout project duration. The irregular pattern is likely attributed to a combination of factors, including remnant sparge air pressure during gauging and monitor well construction differences.

During the May 06, 2004 sampling event, detections of target analytes were recorded in samples collected from ME-14, ME-19, MW-2, MW-6, and MW-8 above laboratory method detection limits. Tetrachloroethene (PCE) was detected at concentrations ranging from 1 ug/l (ME-19) to 0.3J ug/l (MW-6). These concentrations are below the NYSDEC groundwater standard of 5 ug/l. Total 1,2-DCE was detected at 0.7J ug/l (ME-19). Trichloroethene (TCE) was not detected in any of the monitoring wells on the former flagship property and in one well on the former IBM property. Naphthalene was not detected at any well on either property. 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 isochron format. Trend data for PCE, DCA and naphthalene are presented in **Figures 8, 9** and **10**, respectively. Groundwater analytical data is presented in **Appendix A**.

Samples collected from former IBM monitoring wells, located near the eastern corner of the hangar exhibited detections of target analytes. Specifically, concentrations of 1,1-dichloroethane ranging from 13 ug/l (A-26S) to 1ug/l (A-27S, A-42S and A-43S). Total 1,2-DCE was detected at concentrations ranging from 6 ug/l (A-27S) to 1J ug/l (A-43S). Naphthalene was not detected at any of the former IBM monitoring wells. Vinyl Chloride was detected in one monitoring well at a concentration of 1 ug/l (A-43S). 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, dichloroethane, vinyl chloride and dichloroethene in former IBM property wells A-42S, A-43S, A-26S and A-27S (**Table 5**) combined with the lack of immediate up-gradient (former Flagship property) detections, suggest that an ongoing source of these contaminants exists on the former IBM leased property. The MW-9/10R 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 ME-19, no detections have been recorded between these two areas.

7.0 PROPOSED ACTIVITIES

Proposed activities for the next reporting period include:

- Monthly operation and maintenance visits to monitor system operation.
- Adjust system flow and vacuum to maximize treatment system operation.
- Collect groundwater and SVE effluent air samples in July 2004.

TABLES

Table 1
FORMER FLAGSHIP HANGAR FACILITY
AIR SPARGE/SOIL VAPOR EXTRACTION SYSTEM
VAPOR REMOVAL (BASED ON PID)

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.)
8/4/2000	0 /	0	0.00%	2942.5	256	2.2	0.01	0.00	0.00
8/9/2000	120 /	6	5.00%	3172.4	276	0.0	0.00	0.00	0.00
8/16/2000	168 /	168	100.00%	3103.4	270	0.0	0.00	0.00	0.00
8/24/2000	192 /	192	100.00%	3356.3	292	0.0	0.00	0.00	0.00
9/21/2000	672 /	261	38.84%	3678.2	320	0.0	0.00	0.00	0.00
10/9/2000	432 /	192	44.44%	3678.2	320	0.0	0.00	0.00	0.00
11/17/2000	936 /	542	57.91%	4046.0	352	0.0	0.00	0.00	0.00
12/6/2000	456 /	298	65.35%	4114.9	358	0.0	0.00	0.00	0.00
1/10/2001	840 /	120	14.29%	4000.0	348	0.0	0.00	0.00	0.00
2/19/2001	960 /	960	100.00%	3195.4	278	0.0	0.00	0.00	0.00
3/28/2001	888 /	72	8.11%	0.0	0	0.0	0.00	0.00	0.00
4/19/2001	528 /	270	51.14%	2580.0	224	0.0	0.00	0.00	0.00
5/16/2001	648 /	600	92.59%	2919.5	254	0.0	0.00	0.00	0.00
6/20/2001	840 /	792	94.29%	3185.0	277	0.0	0.00	0.00	0.00
7/30/2001	960 /	960	100.00%	3287.4	286	0.0	0.00	0.00	0.00
8/17/2001	432 /	432	100.00%	3310.3	288	0.0	0.00	0.00	0.00
9/11/2001	600 /	600	100.00%	3379.3	294	0.0	0.00	0.00	0.00
10/31/2001	1200 /	1200	100.00%	3595.0	313	0.0	0.00	0.00	0.00
11/29/2001	696 /	408	59.00%	3560.0	310	2.3	0.01	4.08	4.08
12/13/2001	336 /	336	100.00%	3580.0	311	2.0	0.01	3.36	7.44
1/17/2002	840 /	768	91.00%	2494.0	217	0.0	0.00	0.00	7.44
2/21/2002	840 /	840	100.00%	3678.2	320	0.0	0.00	0.00	7.44
3/20/2002	648 /	552	85.19%	4770.1	415	0.0	0.00	0.00	7.44
4/17/2002	672 /	672	100.00%	3804.6	331	0.0	0.00	0.00	7.44
5/22/2002	840 /	840	100.00%	4655.2	405	5.7	0.02	13.74	21.18
6/17/2002	624 /	384	61.54%	0.0	0	0.0	0.01	3.46	24.64
7/15/2002	672 /	312	46.43%	3379.3	294	0.0	0.00	0.00	24.64
8/28/2002	1056 /	576	54.55%	3183.9	277	0.0	0.00	0.00	24.64
9/24/2002	624 /	624	100.00%	3862.1	336	0.0	0.00	0.00	24.64
10/21/2002	648 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
11/15/2003	600 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
12/17/2003	768 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
1/18/2003	748 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
2/12/2003	600 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
3/20/2003	864 /	0	0.00%	0.0	0.0	0.0	0.00	0.00	24.64
4/21/2003	768 /	0	0.00%	2172.4	189.0	0.0	0.00	0.00	24.64
5/28/2003	888 /	704	79.28%	2862.1	249.0	0.0	0.00	0.00	24.64
6/10/2003	312	0	0.00%	0.0	NM	0.0	0.00	0.00	24.64
7/9/2003	696 /	696	100.00%	2298.9	200.0	0.0	0.00	0.00	24.64
8/28/2003	1200 /	1200	100.00%	1597.7	139.0	0.0	0.00	0.00	24.64
9/3/2003	120 /	120	100.00%	2563.2	223	0.0	0.00	0.00	24.64
10/17/2003	1056 /	1056	100.00%	2436.8	212	0.0	0.00	0.00	24.64
11/13/2004	648 /	648	100.00%	2069.0	180	0.0	0.00	0.00	24.64
12/16/2003	792 /	792	100.00%	1609.2	140	0.0	0.00	0.00	24.64
1/21/2004	528 /	528	100.00%	1862.1	162	0.0	0.00	0.00	24.64
2/19/2004	696 /	696	100.00%	1954.0	170	0.0	0.00	0.00	24.64
3/31/2004	984 /	787	79.98%	1724.1	150	0.0	0.00	0.00	24.64
4/7/2004	168 /	168	100.00%	2321.8	202	0.0	0.00	0.00	24.64

October 2002 SVE shutdown due to high groundwater levels
April 2003 SVE system Restarted

NM=Not Measured

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

Date	Compounds of Concern	SVE Influent South Leg (ppbv) / ug/m^3	SVE Influent North Leg (ppbv) / ug/m^3	Carbon Effluent South Leg (ppbv) / ug/m^3	Carbon Effluent North Leg (ppbv)/ ug/m^3	Carbon Efficiency South Leg (%)	Carbon Efficiency North Leg (%)	Total System Efficiency (%)
08/04/00	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	130 / 896.3	13 / 89.63	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	3.9 / 14.94	2.3 / 8.81	0.52 / 1.99	ND / ND	86.67	100.00	93.34
	1,1-Dichloroethane	1.4 / 5.76	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	13 / 72.1	1.5 / 8.32	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
10/9/00 (1)	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	100 / 689.46	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	0.82 / 3.14	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	2.3 / 9.46	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	17 / 94.29	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
12/06/00	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	50 / 344.73	3.5 / 24.13	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	1.1 / 4.21	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	5.9 / 24.27	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	6.7 / 37.16	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
05/16/01	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
06/20/01	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	40 / 275.78	7.0 / 48.26	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	0.98 / 3.75	ND / ND	NA	100.00	NA
	1,1-Dichloroethane	ND / ND	3.0 / 12.34	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	4.2 / 23.3	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
09/11/01	Trichloroethene	1.4 / 7.65	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	130 / 896.3	2.5 / 17.24	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	ND / ND	ND / ND	NA	100.00	NA
	1,1-Dichloroethane	14 / 57.6	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	88 / 488.09	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
01/17/02	Trichloroethene	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	NA	NA	1.5 / 5.74	ND / ND	NA	100.00	NA
	1,1-Dichloroethane	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	NA	NA	ND / ND	ND / ND	100.00	100.00	100.00
05/22/02	Trichloroethene	ND / ND	ND / ND	0.55 / 3	1 / 5.46	NA	NA	NA
	Tetrachloroethene	6.2 / 42.75	7.9 / 54.47	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	18 / 68.94	15 / 57.45	1.3 / 4.98	2.8 / 10.72	93.00	81.00	87.00
	1,1-Dichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	86 / 458.19	109 / 580.73	ND / ND	ND / ND	100.00	100.00	100.00
09/24/02	Trichloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Tetrachloroethene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Toluene	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1-Dichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	1,1,1-Trichloroethane	ND / ND	ND / ND	ND / ND	ND / ND	100.00	100.00	100.00
	Naphthalene	ND / ND	ND / ND	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.
On **INSERT DATE HERE** MOV valve removed.

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

Date	Compounds of Concern	SVE Influent (ppbv) / ug/m^3	SVE Effluent (ppbv) / ug/m^3	Total System Efficiency (%)
02/19/04	Trichloroethene	ND / ND	ND / ND	100.00
	Tetrachloroethene	2.1 / 15	ND / ND	100.00
	Toluene	ND / ND	ND / ND	100.00
	1,1-Dichloroethane	ND / ND	ND / ND	100.00
	1,1,1-Trichloroethane	ND / ND	ND / ND	100.00
	Naphthalene	ND / ND	ND / ND	100.00

Notes:
ND = Not Detected, therefore, compound believed to be absent in treatment train or below method detection limit.

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

Sampling Date	Run Time Since Last Visit (hrs) Available	Actual	SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (4" diam.) (fpm)	SVE Blower Effluent Flow Rate (cfm)	SVE Blower Effluent Lab Result (ppmv)	SVE Blower Effluent PID Reading (ppmv)	VOC Removal Rate (lbs/hr)	VOC's Recovered Since Last O&M Visit (lbs.)	Cumulative lbs. of VOC's Recovered (lbs.)
8/4/2000	0	0	0.00%	2885	252	0.165	2.2	0.00065	0.00	0.00
10/9/2000	1584	627	39.58%	3759	328	0.119	0.0	0.00064	0.40	0.40
12/6/2000	1392	1032	74.14%	4103	358	0.067	0.0	0.00050	0.51	0.92
5/16/2001	3864	2320	60.04%	2805	245	0.0	0.0	0.00016	0.37	1.28
6/20/2001	840	792	94.29%	3195	279	0.0542	0.0	0.00011	0.09	1.37
9/11/2001	9672	1992	20.60%	3379	295	0.236	0.0	0.00086	1.70	1.70
1/17/2002	3072	2712	88.28%	2494	218	0.0015	0.0	0.00047	1.29	2.99
5/22/2002	3000	3000	100.00%	4500	393	0.0404	5.7	0.00010	0.30	3.29
9/24/2002	2976	1896	63.71%	3862	337	0.0	0.0	0.00012	0.00	3.29
5/28/2003	907	702	77.44%	2862	250	0.063	0.0	0.00014	0.10	3.39
9/3/2003	1344	1344	100.00%	2560	223	NS	0.0	0.00000	0.00	3.39
2/19/2004	1344	1344	100.00%	2560	223	0.0	0.0	0.00000	0.00	3.39

Note: SVE was not operating between 9/02 and 4/03

NS - Not Sampled

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
4/2/1997	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
5/21/1999	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
2/9/2000	10.12	152.15	NM	NM	NM	NM	8.87	153.47	NM	5.33	153.31	NM	5.14	153.38	NM	7.33	152.04	NM
6/28/2000	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
8/3/2000	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
8/10/2000	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
8/31/2000	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
9/21/2000	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
12/6/2000	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*
1/8/2001	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
2/19/2001	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
3/28/2001	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
5/16/2001	9.26	153.01	0.73	NM	NM	NM	8.36	153.98	2.09	4.89	153.75	4.29	3.32	155.20	5.54	6.34	153.03	1.05
6/20-6/21/01	9.32	152.95	0.63	2.29	153.74	2.98	7.35	154.99	6.75	3.84	154.80	4.00	3.53	154.99	4.37	7.01	152.36	0.66
7/30/2001	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
8/16/2001	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
9/10/2001	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
1/17/2002	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
2/21/2002	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
3/20/2002	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
4/17/2002	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
5/22/2002	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
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
10/21/2002	9.00	153.27	0.54	2.52	153.51	5.94	6.44	155.90	8.20	3.18	155.46	3.14	3.70	154.82	2.74	6.38	152.99	1.21
11/15/2002	9.42	152.85	2.18	2.74	153.29	7.75	7.93	154.41	4.72	4.40	154.24	3.98	4.15	154.37	4.04	6.68	152.69	1.50
12/17/2002	8.12	154.15	0.88	1.38	154.65	2.36	6.30	156.04	0.84	2.83	155.81	1.87	2.55	155.97	1.09	5.28	154.09	1.41
1/17/2003	8.59	153.68	1.04	NM	NM	NM	6.00	156.34	0.73	2.50	156.14	1.14	NM	NM	NM	5.53	153.84	0.83
2/12/2003	7.36	154.91	0.71	NM	NM	NM	4.60	157.74	0.86	NM	NM	NM	NM	NM	NM	4.62	154.75	0.63
3/20/2003	7.58	154.69	1.17	NM	NM	NM	5.42	156.92	1.03	NM	NM	NM	NM	NM	NM	4.81	154.56	1.03
4/21/2003	8.20	154.07	0.91	0.69	155.34	3.47	5.53	156.81	1.29	2.00	156.64	3.36	1.66	156.86	4.81	5.22	154.15	0.64
5/28/2003	8.60	153.67	0.75	1.50	154.53	6.55	6.48	155.86	1.03	2.95	155.69	3.27	5.28	153.24	5.28	5.79	153.58	0.42
7/9/2003	7.88	154.39	0.64	1.78	154.25	4.34	6.72	155.62	0.83	3.21	155.43	3.85	2.91	155.61	4.86	6.12	153.25	0.82
9/9/2003	8.55	153.72	0.71	1.85	154.18	1.03	6.81	155.53	1.11	3.3	155.34	1.43	2.96	155.56	0.98	5.97	153.40	1.14
10/16/2003	8.86	153.41	0.48	1.81	154.22	0.82	7.27	155.07	0.99	3.58	155.06	3.98	3.05	155.47	4.98	6.11	153.26	0.54
1/22/2004	8.65	153.62	6.46	NM	NM	NM	5.83	156.51	2.11	2.29	156.35	6.29	1.92	156.60	5.25	6.14	153.23	2.46
5/6/2004	9.10	153.17	0.14	1.95	154.08	0.02	7.08	155.26	1.01	3.46	155.18	6.52	3.17	155.35	3.78	6.55	152.82	0.1

Notes:

Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.

NM = Not Measured.

NI = Not installed as of this date.

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

	MW-9			MW-10			MW-9/10 R			MW-20			ME-12			ME-13			ME-14		
	TOC Elev. 158.87'			TOC Elev. 158.72'			TOC Elev. 158.46'			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	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
4/2/1997	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
5/21/1999	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
2/9/2000	5.43	153.44	NM	5.20	153.52	NM	--	--	--	NG	NG	NM	5.83	153.04	NM	NM	NM	NM	6.71	153.27	NM
6/28/2000	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
8/3/2000	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
8/10/2000	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
8/31/2000	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
9/21/2000	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	NM	NM	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
12/6/2000	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*
1/8/2001	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
2/19/2001	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
3/28/2001	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
5/16/2001	3.68	155.19	0.74	3.45	155.27	0.58	--	--	--	5.11	154.13	0.58	4.53	154.34	1.48	NM	NM	NM	5.00	154.98	1.14
6/20-6/21/01	3.98	154.89	0.68	3.73	154.99	0.70	--	--	--	5.65	153.59	0.81	4.52	154.35	5.68	7.12	152.38	1.07	5.15	154.83	0.63
7/30/2001	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
8/16/2001	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
9/10/2001	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
1/17/2002	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
2/21/2002	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
3/20/2002	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
4/17/2002	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
5/22/2002	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
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	**7.99**	**151.51**	0.63	6.38	153.60	0.81
10/21/2002	3.98	154.89	0.27	4.02	154.70	0.22	--	--	--	5.54	153.70	1.09	4.00	154.87	8.60	**5.94**	**153.56**	2.18	5.23	154.75	0.33
11/15/2002	4.55	154.32	0.83	4.35	154.37	0.77	--	--	--	4.91	154.33	6.02	4.88	153.99	2.95	**7.29**	**152.21**	1.45	5.62	154.36	1.02
12/17/2002	3.07	155.80	0.44	2.91	155.81	0.38	--	--	--	4.50	154.74	1.11	3.39	155.48	2.01	**4.24**	**155.26**	0.61	4.15	155.83	0.78
1/17/2003	2.82	156.05	0.77	2.61	156.11	0.67	--	--	--	6.02	153.22	1.08	NM	NM	NM	**5.95**	**153.55**	0.88	4.00	155.98	0.89
2/12/2003	2.65	156.22	1.13	2.61	156.11	1.04	--	--	--	4.28	154.96	0.87	NM	NM	NM	**4.49**	**155.01**	0.55	2.98	157.00	0.66
3/20/2003	2.20	156.67	1.43	2.00	156.72	1.28	--	--	--	NM	NM	NM	NM	NM	NM	**2.55**	**156.95**	0.77	3.26	156.72	0.91
4/21/2003	2.35	156.52	NM	2.18	156.54	NM	--	--	--	3.80	155.44	2.49	2.63	156.24	1.85	**5.86**	**153.64**	1.61	3.54	156.44	1.44
5/28/2003	3.21	155.66	8.81	3.04	155.68	1.06	--	--	--	4.70	154.54	6.97	3.50	155.37	10.82	**5.29**	**154.21**	1.04	4.42	155.56	0.89
7/9/2003	3.48	155.39	2.2	3.26	155.46	0.6	--	--	--	3.95	155.29	5.5	3.73	155.14	10.39	**6.44**	**153.06**	0.75	4.59	155.39	0.79
9/3/2003	3.63	155.24	2.35	3.39	155.33	1.67	--	--	--	0.50	158.74	0.91	3.98	154.89	1.21	**6.53**	**152.97**	0.51	4.82	155.16	0.83
10/16/2003	3.44	155.43	0.62	3.62	155.10	0.44	--	--	--	4.64	154.60	6.15	4.00	154.87	0.99	**6.69**	**152.81**	1.56	4.71	155.27	0.92
1/22/2004	**	**	**	**	**	**	1.89	156.57	7.19	6.53	152.71	7.82	NM	NM	NM	**6.18**	**153.32**	1.66	3.85	156.13	0.95
5/6/2004	**	**	**	**	**	**	3.02	155.44	4.89	4.66	154.58	4.83	4.06	154.81	2.68	**6.83**	**152.67**	0.14	4.88	155.10	0.1

Notes:

Joint water level gaugiNM on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.

NM = Not Measured.

NI = Not installed as of this date.

Red = corrected groundwater elevation measurement

** = well removed October 2003

-- = Well not installed until October 2003

All dissolved oxygen measurements are in mg/l.

* = 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	NM	NM	NM	NM	NM	NM
4/2/1997	3.58	156.08	NM	2.43	156.66	NM	2.27	155.55	NM	6.31	154.77	NM	NM	NM	NM
5/21/1999	5.10	154.56	9.09	4.00	155.09	9.86	3.29	154.53	14.69	7.68	153.4	13.17	NM	NM	NI
2/9/2000	NM	NM	NM	NM	NM	NM	4.89	152.93	NM	8.86	152.22	NM	NM	NM	NM
6/28/2000	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
8/3/2000	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
8/10/2000	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
8/31/2000	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
9/21/2000	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
12/6/2000	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
1/8/2001	6.00	153.66	2.51	NM	NM	NM	5.60	152.22	2.73	8.25	152.83	0.44	NM	NM	NM
2/19/2001	9.31	150.35	1.22	NM	NM	NM	3.94	153.88	8.71	7.81	153.27	3.28	NM	NM	NM
3/28/2001	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
5/16/2001	NM	NM	NM	3.85	155.24	0.85	3.36	154.46	1.89	7.59	153.49	1.19	4.11	153.35	2.63
6/20-6/21/01	4.59	155.07	1.30	3.94	155.15	0.61	3.41	154.41	3.35	8.21	152.87	0.66	4.31	153.15	2.11
7/30/2001	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
8/16/2001	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
9/10/2001	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
1/17/2002	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
2/21/2002	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
3/20/2002	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
4/17/2002	NM	NM	NM	6.35	152.74	1.48	NM	NM	NM	9.22	151.86	1.61	5.72	151.74	4.96
5/22/2002	NM	NM	NM	4.64	154.45	0.85	NM	NM	NM	8.15	152.93	0.62	4.67	152.79	0.38
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
10/21/2002	4.85	154.81	1.53	4.12	154.97	0.44	NM	NM	NM	7.59	153.49	3.93	4.23	153.23	1.73
11/15/2002	5.27	154.39	2.64	4.46	154.63	2.64	NM	NM	NM	7.94	153.14	2.09	4.50	152.96	0.83
12/17/2002	4.08	155.58	0.55	4.70	154.39	0.62	NM	NM	NM	6.60	154.48	0.99	3.15	154.31	1.22
1/17/2003	4.17	155.49	1.01	NM	NM	NM	NM	NM	NM	6.60	154.48	0.97	3.30	154.16	0.96
2/12/2003	4.26	155.40	0.83	NM (snow)	NM (snow)	NM (snow)	2.38	155.44	0.91	6.04	155.04	1.05	3.62	153.84	0.80
3/20/2003	2.97	156.69	0.69	2.44	156.65	0.79	1.46	156.36	1.13	5.91	155.17	1.06	2.50	154.96	0.71
4/21/2003	3.22	156.44	1.78	2.11	156.98	1.85	1.56	156.26	1.32	6.28	154.80	2.07	2.90	154.56	2.03
5/28/2003	3.83	155.83	0.97	3.03	156.06	0.85	2.49	155.33	1.92	6.90	154.18	0.32	3.46	154.00	0.34
7/9/2003	4.25	155.41	0.91	3.30	155.79	0.77	2.73	155.09	2.79	7.33	153.75	0.72	3.70	153.76	0.75
9/3/2003	4.56	155.10	1.04	3.40	155.69	1.01	2.88	154.94	1.44	7.17	153.91	1.08	NM	NM	0.90
10/16/2003	4.35	155.31	0.93	3.46	155.63	0.88	2.88	154.94	0.90	7.30	153.78	0.60	3.83	153.63	0.68
1/22/2004	3.56	156.10	2.10	NM	NM	NM	3.16	154.66	1.11	7.17	153.91	10.02	3.60	153.86	2.44
5/6/2004	4.53	155.13	0.33	3.55	155.54	0.25	3.01	154.81	1.08	8.50	152.58	5.20	4.12	153.34	0.13
Notes:															

Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.

NM = Not Measured.

All dissolved oxygen measurements are in mg/l.

* = DO measurement incorrect due to malfunctioning meter.

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
6/28/2000	8.65	149.21	NM	5.06	152.34	NM	5.83	153.21	NM	6.33	152.43	NM	2.04	152.90	NM
8/3/2000	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
8/10/2000	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
8/31/2000	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
9/21/2000	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
12/6/2000	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*
1/8/2001	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
2/19/2001	5.30	152.56	2.34	5.50	151.90	4.90	6.96	152.18	6.41	NM	NM	NM	NM	NM	NM
3/28/2001	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
5/16/2001	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
7/30/2001	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
8/16/2001	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
9/10/2001	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
1/17/2002	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
2/21/2002	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
3/20/2002	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
4/17/2002	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
5/22/2002	5.50	152.36	1.02	5.70	151.70	3.62	7.15	151.83	1.78	6.93	151.83	1.47	3.16	151.78	1.81
09/23&24/2002	6.06	151.80	0.63	6.31	151.09	1.64	7.76	151.22	0.36	7.55	151.21	0.28	3.68	151.26	0.35
10/21/2002	5.00	152.86	0.87	5.28	152.12	4.39	6.69	152.29	5.98	6.52	152.24	0.72	2.81	152.13	0.47
11/15/2002	5.43	152.43	2.07	5.72	151.68	4.35	7.15	151.83	4.33	6.93	151.83	1.01	3.25	151.69	1.16
12/17/2002	4.23	153.63	0.76	4.70	152.70	5.92	5.92	153.06	1.04	5.75	153.01	1.24	2.03	152.91	1.23
1/17/2003	4.62	153.24	0.68	NM	NM	NM	6.25	152.73	0.53	6.02	152.74	0.52	2.21	152.73	0.93
2/12/2003	5.15	152.71	0.61	NM (snow)	NM (snow)	NM (snow)	6.43	152.55	0.74	6.05	152.71	1.01	2.01	152.93	0.48
3/20/2003	3.76	154.10	0.49	4.23	153.17	0.87	5.46	153.52	1.01	5.26	153.50	0.63	0.98	153.96	0.52
4/21/2003	4.27	153.59	1.04	4.79	152.61	5.19	6.05	152.93	0.97	5.25	153.51	1.14	2.25	152.69	2.54
5/28/2003	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	New Lock	2.60	152.34	0.37
7/9/2003	4.58	153.28	2.66	5.08	152.32	0.96	6.41	152.57	0.82	6.25	152.51	1.22	2.82	152.12	0.58
9/3/2003	4.60	153.26	0.77	5.07	152.33	0.87	6.41	152.57	0.54	6.23	152.53	0.48	2.71	152.23	0.85
10/16/2003	4.82	153.04	1.03	5.33	152.07	2.58	6.68	152.30	0.87	6.50	152.26	1.90	3.76	151.18	0.76
1/22/2004	4.61	153.25	3.12	5.01	152.39	7.01	6.37	152.61	4.19	6.28	152.48	2.14	5.61	149.33	7.25
5/6/2004	4.97	152.89	0.19	5.45	151.95	0.09	6.84	152.14	0.62	6.70	152.06	0.34	3.53	151.41	0.02
Notes:															

Joint water level gauging on former Flagship and IBM properties began on June 28, 2000, therefore, Shaw did not collect prior to this date.
NM = Not Measured.
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
6/28/2000	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
8/3/2000	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
8/10/2000	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
8/31/2000	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
9/21/2000	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
12/6/2000	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
1/8/2001	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
2/19/2001	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
3/28/2001	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
5/16/2001	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
7/30/2001	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
8/16/2001	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
9/10/2001	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
1/17/2002	6.85	150.89	0.70	8.87	150.64	1.20	9.70	151.33	1.20	9.93	150.71	0.60	8.12	151.28	0.85	6.62	151.27	1.53	5.64	149.69	NM
2/21/2002	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
3/20/2002	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
4/17/2002	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
5/22/2002	5.57	152.17	1.05	7.42	152.09	6.42	8.25	152.14	0.52	8.13	151.84	0.71	6.86	150.99	0.47	5.31	151.75	0.57	5.06	150.27	0.96
09/23&24/2002	6.06	151.68	0.39	8.07	151.44	1.84	9.43	150.96	0.21	9.62	150.35	0.43	8.78	149.07	0.41	6.67	150.39	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	151.99	0.75	8.79	151.18	0.43	7.88	149.97	0.47	5.65	151.41	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	151.67	1.71	8.67	151.30	1.79	8.14	149.71	0.98	5.98	151.08	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	152.99	0.91	7.51	152.46	1.16	6.74	151.11	0.93	4.62	152.44	1.08	3.87	151.46	0.91
1/17/2003	4.44	153.30	0.47	6.60	152.91	0.73	7.42	152.97	0.89	7.81	152.16	0.91	6.83	151.02	0.86	4.67	152.39	0.55	4.08	151.25	0.71
2/12/2003	5.87	151.87	0.59	6.81	152.70	0.85	6.70	153.69	0.64	6.75	153.22	0.88	6.56	151.29	0.51	5.38	151.68	0.73	2.43	152.90	0.81
3/20/2003	3.78	153.96	0.46	3.87	155.64	0.63	6.75	153.64	0.84	5.31	154.66	0.81	5.99	151.86	0.66	4.03	153.03	0.77	1.87	153.46	0.61
4/21/2003	4.20	153.54	2.01	6.40	153.11	1.43	7.14	153.25	1.11	7.61	152.36	1.03	6.37	151.48	1.43	4.40	152.66	1.08	3.96	151.37	1.50
5/28/2003	4.66	153.08	0.40	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	NG (Lock)	6.98	153.97 (1)	1.05	5.02	153.70 (1)	1.21	4.16	151.17	0.42
7/9/2003	4.85	152.89	0.67	6.65	152.86	2.23	7.20	153.19	0.70	7.16	152.81	0.87	6.14	151.71	0.82	4.42	152.64	1.30	4.25	151.08	0.51
9/3/2003	4.81	152.93	0.87	6.63	152.88	1.02	7.29	153.10	1.10	7.31	152.66	1.14	5.70	152.15	0.81	4.32	152.74	0.73	4.14	151.19	0.61
10/16/2003	5.02	152.72	0.41	6.98	152.53	5.25	7.45	152.94	0.74	7.48	152.49	0.62	7.26	150.59	0.55	4.40	152.66	0.76	4.31	151.02	0.36
1/22/2004	5.29	152.45	0.69	6.69	152.82	6.46	9.78	150.61	7.67	7.51	152.46	3.35	8.61	149.24	9.46	5.03	152.03	1.46	4.10	151.23	2.61
5/6/2004	5.33	152.41	0.20	7.15	152.36	5.30	8.70	151.69	3.62	7.74	152.23	0.11	6.79	151.06	3.94	5.38	151.68	0.10	4.47	150.86	0.07
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.
=CORRECTED GROUNDWATER ELEVATIONS

TABLE 5
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS 3 - May 06, 2004
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-9/10R	MW-20	DG-1	Septic	DUP 1 (MW-6)
pH	6.5-8.5	7.84	NS	6.45	NS	NS	7.60	7.31	NS	6.66	6.72	NS	7.59	7.00	6.76	3.10	NS	6.72
Temperature (deg Celsius)	--	11.62	NS	12.12	NS	NS	11.59	12.47	NS	11.51	11.48	NS	11.90	10.61	13.29	11.02	NS	11.48
Conductivity (umhos/cm)	--	0.687	NS	0.566	NS	NS	0.8	0.614	NS	0.566	0.493	NS	0.594	0.745	0.692	0.628	NS	0.493
Turbidity (NTU)	5	0.3	NS	130.8	NS	NS	1113.8	328.2	NS	4.2	8.4	NS	29.7	51.9	1128.1	6.4	NS	8.4
Dissolved Oxygen (ppm)	--	2.68	0.14	0.10	0.33	0.25	1.08	5.20	0.02	1.01	6.52	3.78	0.10	4.89	4.83	0.14	NS	6.52
Volatile Organic Compound by ASP/CLP Method (ug/L)																		
Vinyl Chloride	2	ND	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
Chloroethane	5	ND	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
1,1-Dichloroethane	5	ND	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	0.4J	ND	ND	ND	NS	ND
1,2-Dichloroethene, Total	5	ND	NS	ND	NS	NS	ND	0.7J	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
Tetrachloroethene	5	ND	NS	0.7J	NS	NS	ND	1	NS	0.4J	0.3J	NS	0.3J	ND	ND	ND	NS	0.4J
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)																		
Phenol	1 (3)	ND	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
4-Methylphenol	1 (3)	ND	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND
Naphthalene	--	ND	NS	ND	NS	NS	ND	ND	NS	ND	ND	NS	ND	ND	ND	ND	NS	ND

Notes:
Only compounds detected at one or more sampling locations are listed.
BOLD values indicate detections above NYSDEC Standards or Guidance Values.
(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 = Identifies all compounds in analysis at a secondary dilution factor.
NS = Not Sampled.
ND = Not Detected.

TABLE 5 (Continued)
ANALYTICAL RESULTS OVERBURDEN MONITORING WELLS -May 06, 2004
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	NS	7.43	7.52	NS	6.88	7.38
Temperature (deg Celsius)	--	NS	11.99	11.90	NS	12.08	12.41
Conductivity (umhos/cm)	--	NS	0.637	0.746	NS	0.544	0.72
Turbidity (NTU)	5	NS	327.2	5.5	NS	396.2	33.4
Dissolved Oxygen (ppm)	--	0.19	0.02	0.20	0.11	3.94	0.1
Volatile Organic Compound by ASP/CLP Method (ug/L)							
Vinyl Chloride	2	NS	0.8J	ND	NS	ND	1
Chloroethane	5	NS	ND	ND	NS	0.3J	ND
1,1-Dichloroethane	5	NS	**13**	1	NS	1	1
1,2-Dichloroethene, Total	5	NS	ND	**6**	NS	ND	1J
Trichloroethene	5	NS	ND	0.5J	NS	ND	ND
Semi-Volatile Organic Compound by ASP/CLP Method (ug/L)							
4-Methylphenol	1	NS	ND	ND	NS	ND	ND
Naphthalene	--	NS	ND	ND	NS	ND	ND

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 = Identifies all compounds in analysis at a secondary dilution factor.
NS = Not Sampled.
ND = Not Detected.

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

Volatile Organic	**NYSDEC**	**ME-12**								**ME-13**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	10U	5U	NS	10U	10U	10U	10U	10U	10U	5U	NS
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	10U	5U	NS	10U	10U	10U	10U	10U	10U	5U	NS
Trichloroethene	5	10U	10U	10U	10U	10U	10U	5U	NS	10U	10U	10U	10U	10U	10U	5U	NS
Tetrachloroethene	5	10U	10U	10U	10U	10U	10U	5U	NS	10U	10U	10U	10U	10U	10U	5U	NS
Toluene	5	10U	10U	10U	10U	10U	10U	5U	NS	10U	10U	10U	10U	10U	10U	5U	NS
Semi-Volatile Organic																	
Compound of Concern																	
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	NS	10U	9U	9U	9U	9U	10UR	10U	

Volatile Organic	**NYSDEC**	**ME-12**							**ME-13**							
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NS	10U	NS	NS	1U	NS	1U	NS	10U	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	5	NS	10U	NS	NS	1U	NS	1U	NS	10U	NS	NS	NS	NS	NS
Trichloroethene	5	NS	10U	NS	NS	1U	NS	1U	NS	10U	NS	NS	NS	NS	NS
Tetrachloroethene	5	NS	10U	NS	NS	1U	NS	1U	NS	10U	NS	NS	NS	NS	NS
Toluene	5	NS	10U	NS	NS	1U	NS	NA	NS	10U	NS	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	10U	NS	NS	5U	NS	5U	NS	NS	10U	NS	NS	NS	NS	NS

Notes:

All data presented in ug/L.

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 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 = Identifies 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.

NA = Not Analyzed.

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

Volatile Organic	**NYSDEC**	**ME-14**								**ME-15**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Tetrachloroethene	5	**1J**	**6J**	**2J**	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Toluene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Semi-Volatile Organic																	
Compound of Concern																	
Naphthalene	10	10U	9U	9U	10U	9U	10U	10U	NS	10U	**0.7J**	9UJ	9U	10U	10U	10U	NS

Volatile Organic	**NYSDEC**	**ME-14**							**ME-15**						
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NS	10U	NS	NS	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	5	NS	10U	NS	NS	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
Trichloroethene	5	NS	10U	NS	NS	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
Tetrachloroethene	5	NS	10U	NS	NS	**2**	**0.5J**	**0.7J**	NS	10U	NS	NS	NS	NS	NS
Toluene	5	NS	10U	NS	NS	1U	NA	NA	NS	10U	NS	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	10U	NS	NS	5U	5U	5U	NS	10U	NS	NS	NS	NS	NS

Notes:

All data presented in ug/L.

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 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 = Identifies 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.

NA = Not Analyzed.

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

Volatile Organic	**NYSDEC**	**ME-16**								**ME-18**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	**6J**	10U	10U	10U	10U	5U	5U	NS
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Toluene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	NS
Semi-Volatile Organic																	
Compound of Concern																	
Naphthalene	10	10U	10U	50U	10U	47U	10U	10U	NS	**11**	**5J**	9U	10U	9U	10U	10U	NS

Volatile Organic	**NYSDEC**	**ME-16**							**ME-18**						
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U	1U
1,1,1-Trichloroethane	5	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U	1U
Trichloroethene	5	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U	1U
Tetrachloroethene	5	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	1U	1U
Toluene	5	NS	10U	NS	NS	NS	NS	NS	NS	10U	NS	NS	1U	NA	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	10U	NS	NS	NS	NS	NS	NS	11U	NS	NS	5U	5U	5U

Notes:

All data presented in ug/L.

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 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 = Identifies 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.

NA = Not Analyzed.

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

Volatile Organic	**NYSDEC**	**ME-19**								**MW-1**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	**11**	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5U	NS
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5U	NS
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5U	NS
Tetrachloroethene	5	**3J**	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5U	NS
Toluene	5	10U	10U	10U	10U	10U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5U	NS
Semi-Volatile Organic																	
Compound of Concern																	
Naphthalene	10	**30**	9U	**1J**	10U	**6J**	**10U**	**2J**	10U	10U	9U	9U	10U	9U	10U	10U	NS

Volatile Organic	**NYSDEC**	**ME-19**							**MW-1**						
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	10U	10U	1U	1U	**0.3J**	1U	1U	NS	10U	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	5	10U	10U	1U	1U	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
Trichloroethene	5	10U	10U	1U	1U	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
Tetrachloroethene	5	10U	10U	1U	1U	1U	**2**	**1**	NS	10U	NS	NS	NS	NS	NS
Toluene	5	10U	10U	1U	1U	1U	NA	NA	NS	10U	NS	NS	NS	NS	NS
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	10U	10U	10U	10U	5U	5U	5U	NS	10U	NS	NS	NS	NS	NS

Notes:

All data presented in ug/L.

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 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.

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

Volatile Organic	**NYSDEC**	**MW-2**								**MW-6**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	10U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	10U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	10U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	**4J**	**5J**	**18**	10U	10U	5U	5U	**10**
Toluene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	10U
Semi-Volatile Organic																	
Compound of Concern																	
Naphthalene	10	10U	9U	9U	10U	10U	10U	10U	NS	**39**	**10**	9U	10U	10U	10U	10U	**40**

Volatile Organic	**NYSDEC**	**MW-2**							**MW-6**							
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NS	10U	NS	NS	1U	1U	1U	10U	10U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	5	NS	10U	NS	NS	1U	1U	1U	10U	10U	1U	1U	1U	1U	1U
Trichloroethene	5	NS	10U	NS	NS	1U	1U	1U	10U	10U	1U	1U	1U	1U	1U
Tetrachloroethene	5	NS	10U	NS	NS	1U	1U	**0.4J**	10U	10U	1U	1U	**2**	**2**	**0.3J**
Toluene	5	NS	10U	NS	NS	1U	NA	NA	10U	10U	1U	1U	1U	NA	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	10U	NS	NS	5U	5U	5U	10U	**62**	1U	10U	**2J**	**5**	5U

Notes:

All data presented in ug/L.

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

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

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

Volatile Organic	**NYSDEC**	**MW-7A**								**MW-8**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	**1J**	**2J**	**2J**	5U	**2J**	10U
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	10U
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	10U
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	**3J**	10U	10U	10U	5U	5U	10U
Toluene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	10U	10U	10U	10U	5U	5U	10U
Semi-Volatile Organic																	
Compound of Concern																	
Naphthalene	10	10U	9U	9U	10U	9U	10U	**1J**	NS	10U	**7J**	9U	9U	10U	10U	10U	10U

Volatile Organic	**NYSDEC**	**MW-7A**							**MW-8**							
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	**0.6J**	**0.8J**	**0.5J**	**0.6J**	**0.4J**
1,1,1-Trichloroethane	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	1U	1U
Trichloroethene	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	1U	1U
Tetrachloroethene	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	1U	**0.3J**
Toluene	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	NA	NA
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	NS	10U	NS	NS	NS	NS	NS	10U	10U	10U	10U	5U	5U	5U

Notes:

All data presented in ug/L.

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

Volatile Organic	**NYSDEC**	**MW-9**							**MW-10**						
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001
1,1-Dichloroethane	5	**530**	**99**	**170J**	**160J**	**20J**	**210**	**190**	**61**	**39J**	**8J**	**5J**	**10J**	**11**	**27**
1,1,1-Trichloroethane	5	**150**	**24**	**45J**	**25J**	200U	**61**	**27**	**29**	40U	40U	40U	**5J**	25U	**1J**
Trichloroethene	5	10U	**2J**	200U	200U	200U	25U	5U	**13J**	40U	40U	40U	40U	25U	25U
Tetrachloroethene	5	**490**	**56D**	**680**	**260**	**210**	**340**	**240**	**250**	40U	**36J**	**52**	**44**	**53**	**97**
Toluene	5	40U	**9J**	**25J**	200U	200U	**30**	**22**	10U	40U	40U	10U	40U	**3J**	**5**
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**1100D**	**710D**	**9600D**	**2200D**	**1000D**	**3300UR**	**1200**	**19**	**88**	**140**	**410**	52U	**3200J**	**430**

Volatile Organic	**NYSDEC**	**MW-9**							**MW-10**						
Compounds of Concern	**Standard (1)**	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	1/17/2002	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004
1,1-Dichloroethane	5	200U	**7J**	10U	**7J**	**3J**	**4J**	--	**7J**	10U	10U	**3J**	10U	10U	--
1,1,1-Trichloroethane	5	200U	10U	10U	10U	10U	10U	--	**4J**	10U	10U	10U	10U	10U	--
Trichloroethene	5	200U	10U	10U	10U	10U	10U	--	10U	10U	10U	10U	10U	10U	--
Tetrachloroethene	5	**280**	**74**	**70**	**95**	**34**	**84**	--	**74**	**43**	**26**	**54**	**71**	**63**	--
Toluene	5	200U	2J	10U	4J	10U	10U	--	10U	10U	10U	10U	10U	10U	--
Semi-Volatile Organic															
Compound of Concern															
Naphthalene	10	**170**	**340D**	**260**	**1200D**	**96U**	**810E**	--	**55**	**8JD**	10U	**530D**	**1200D**	**490E**	--

Notes:

All data presented in ug/L.

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

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ND = Not Detected.

NI = Monitoring well not installed as of this date.

NA = Not Analyzed.

-- = Well removed in October 2003 and replaced with MW-9/10R

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-9/10R**								**MW-20**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	NI	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U	10U
1,1,1-Trichloroethane	5	NI	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U	10U
Trichloroethene	5	NI	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U	10U
Tetrachloroethene	5	NI	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U	10U
Toluene	5	NI	NI	NI	NI	NI	NI	NI	NI	NI	10U	10U	10U	10U	5U	5U	10U
Semi-Volatile Organic Compound of Concern																	
Naphthalene	10	NI	NI	NI	NI	NI	NI	NI	NI	NI	**57**	9U	10U	9U	10U	10U	10U

Volatile Organic	**NYSDEC**	**MW-9/10R**							**MW-20**						
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NI	NI	NI	NI	NI	1U	1U	10U	10U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	5	NI	NI	NI	NI	NI	1U	1U	10U	10U	1U	1U	1U	1U	1U
Trichloroethene	5	NI	NI	NI	NI	NI	1U	1U	10U	10U	1U	1U	1U	1U	1U
Tetrachloroethene	5	NI	NI	NI	NI	NI	1U	1U	10U	10U	1U	1U	1U	1U	1U
Toluene	5	NI	NI	NI	NI	NI	NA	NA	10U	10U	1U	1U	1U	NA	NA
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	NI	NI	NI	NI	NI	5U	5U	10U	**60**	10U	10U	5U	5U	5U

Notes:

All data presented in ug/L.

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

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

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

Volatile Organic	**NYSDEC**	**DG-1**								**Septic Tank/Sanitary Sewer**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/29/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	NS	10UJ	10U	10U	5U	5U	NS
1,1,1-Trichloroethane	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	NS	10UJ	10U	10U	5U	5U	NS
Trichloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	NS	10UJ	10U	10U	5U	5U	NS
Tetrachloroethene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	NS	10UJ	10U	10U	5U	5U	NS
Toluene	5	10U	10U	10U	10U	10U	5U	5U	NS	10U	NS	10UJ	10U	10U	5U	5U	NS
Semi-Volatile Organic Compound of Concern										ME-13							
Naphthalene	10	10U	9U	9U	9U	9U	10U	10U	NS	10U	NS	9UR	10U	10U	10U	10U	NS

Volatile Organic	**NYSDEC**	**DG-1**							**Septic Tank/Sanitary Sewer**						
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NS	10U	NS	NS	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	5	NS	10U	NS	NS	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
Trichloroethene	5	NS	10U	NS	NS	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
Tetrachloroethene	5	NS	10U	NS	NS	1U	1U	1U	NS	10U	NS	NS	NS	NS	NS
Toluene	5	NS	10U	NS	NS	1U	NA	NA	NS	10U	NS	NS	NS	NS	NS
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	NS	10U	NS	NS	5U	5U	5U	NS	10U	NS	NS	NS	NS	NS

Notes:

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ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**A-8S**								**A-26S**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	NI	10U	10U	10U	10U	5U	5U	NS	NI	**14**	**16**	**17**	**14**	**17**	**16**	**14**
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	5U	NS	NI	10U	10U	10U	10U	5U	5U	10U
Trichloroethene	5	NI	10U	10U	10U	10U	5U	5U	NS	NI	10U	10U	10U	10U	5U	5U	10U
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	5U	NS	NI	10U	10U	10U	10U	5U	5U	10U
Toluene	5	NI	10U	10U	10U	10U	5U	5U	NS	NI	10U	10U	10U	10U	5U	5U	10U
Semi-Volatile Organic Compound of Concern		ME-13								ME-13							
Naphthalene	10	NI	9U	9UJ	9U	9U	10U	10U	NS	NI	9U	9UJ	10U	10U	10U	10U	12U

Volatile Organic	**NYSDEC**	**A-8S**							**A-26S**						
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2020	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	NS	10U	NS	NS	NS	NS	NS	**17**	10U	1U	**14**	**12**	1U	**13**
1,1,1-Trichloroethane	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	1U	1U
Trichloroethene	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	1U	1U
Tetrachloroethene	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	1U	1U
Toluene	5	NS	10U	NS	NS	NS	NS	NS	10U	10U	1U	1U	1U	NA	NA
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	NS	10U	NS	NS	NS	NS	NS	10U	10U	10U	10U	5U	5U	5U

Notes:

All data presented in ug/L.

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ORDER ON CONSENT NO: 3-0837-98-12, NYSDEC SITE NO: 3-14-101

Volatile Organic	**NYSDEC**	**A-27S**								**A-41S**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/6/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	NI	**2J**	**3J**	**4J**	**4J**	**3J**	5U	**2J**	NI	10U	10U	10U	10U	5U	5U	NS
1,1,1-Trichloroethane	5	NI	10U	10U	10U	10U	5U	5U	10U	NI	10U	10U	10U	10U	5U	5U	NS
Trichloroethene	5	NI	10U	10U	10U	10U	5U	5U	10U	NI	10U	10U	10U	10U	5U	5U	NS
Tetrachloroethene	5	NI	10U	10U	10U	10U	5U	5U	10U	NI	10U	10U	10U	10U	5U	5U	NS
Toluene	5	NI	10U	10U	10U	10U	5U	5U	10U	NI	10U	10U	10U	10U	5U	5U	NS
Semi-Volatile Organic Compound of Concern		ME-13								ME-13							
Naphthalene	10	NI	**83D**	**1J**	**18**	**23**	**40U**	**9J**	**4J**	NI	10U	9UJ	10U	9U	10U	10U	NS

Volatile Organic	**NYSDEC**	**A-27S**							**A-41S**							
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	10U	10U	**2**	**2**	**1**	**2**	**1**	NS	NS	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	5	10U	10U	1U	1U	1U	1U	1U	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	10U	10U	1U	1U	**0.5J**	1U	**0.5J**	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	5	10U	10U	1U	1U	1U	**0.3J**	**0.3J**	NS	NS	NS	NS	NS	NS	NS
Toluene	5	10U	10U	1U	1U	1U	NA	NA	NS	NS	NS	NS	NS	NS	NS
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	**6J**	10U	10U	**2J**	5U	5U	5U	NS	NS	NS	NS	NS	NS	NS

Notes:

All data presented in ug/L.

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 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 = Identifies 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.

NA = Not Analyzed.

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-42S**								**A-43S**							
Compounds of Concern	**Standard (1)**	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002	5/20/1999	6/28/2000	9/21/2000	12/7/2000	3/28/2001	6/20/2001	9/10/2001	1/17/2002
1,1-Dichloroethane	5	NI	40U	**11**	**16J**	**4J**	**2J**	**11**	**21**	NI	**2J**	**1J**	**1J**	**2J**	5U	**2.J**	**3J**
1,1,1-Trichloroethane	5	NI	40U	10U	40U	10U	5U	5U	10U	NI	10U	10U	10U	10U	5U	5U	10U
Trichloroethene	5	NI	40U	10U	10U	10U	5U	5U	10U	NI	10U	10U	10U	10U	5U	5U	10U
Tetrachloroethene	5	NI	40U	10U	40U	10U	5U	5U	10U	NI	10U	10U	10U	10U	5U	5U	10U
Toluene	5	NI	**8J**	**22**	**15J**	**2J**	**4J**	**8**	**10J**	NI	10U	10U	10U	10U	5U	5U	10U
Semi-Volatile Organic Compound of Concern		ME-13								ME-13							
Naphthalene	10	NI	**760D**	**1200D**	**1100D**	**550**	**770**	**480**	**1200**	NI	9U	9UJ	10U	10U	10U	10U	10U

Volatile Organic	**NYSDEC**	**A-42S**							**A-43S**							
Compounds of Concern	**Standard (1)**	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004	5/22/2002	9/24/2002	1/18/2003	5/28/2003	10/16/2003	1/22/2004	5/6/2004
1,1-Dichloroethane	5	**11**	**5J**	**5**	4U	5U	**0.5J**	**1**	**4J**	10U	**5**	**3**	**3**	**0.8J**	**1**
1,1,1-Trichloroethane	5	10U	10U	1U	4U	5U	1U	1U	10U	10U	1U	1U	1U	1U	1U
Trichloroethene	5	10U	10U	1U	4U	5U	1U	1U	10U	10U	1U	1U	1U	1U	1U
Tetrachloroethene	5	10U	10U	1U	4U	5U	1U	1U	10U	10U	1U	1U	1U	1U	**0.4J**
Toluene	5	**10**	10U	**3**	**6**	5U	NA	NA	10U	10U	1U	1U	1U	NA	NA
Semi-Volatile Organic Compound of Concern															
Naphthalene	10	**1300D**	**870**	**250D**	**1000D**	**350**	5U	5U	**10UJ**	10U	10U	10U	**2J**	5U	5U

Notes:

All data presented in ug/L.

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 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 = Identifies 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.

NA = Not Analyzed.

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
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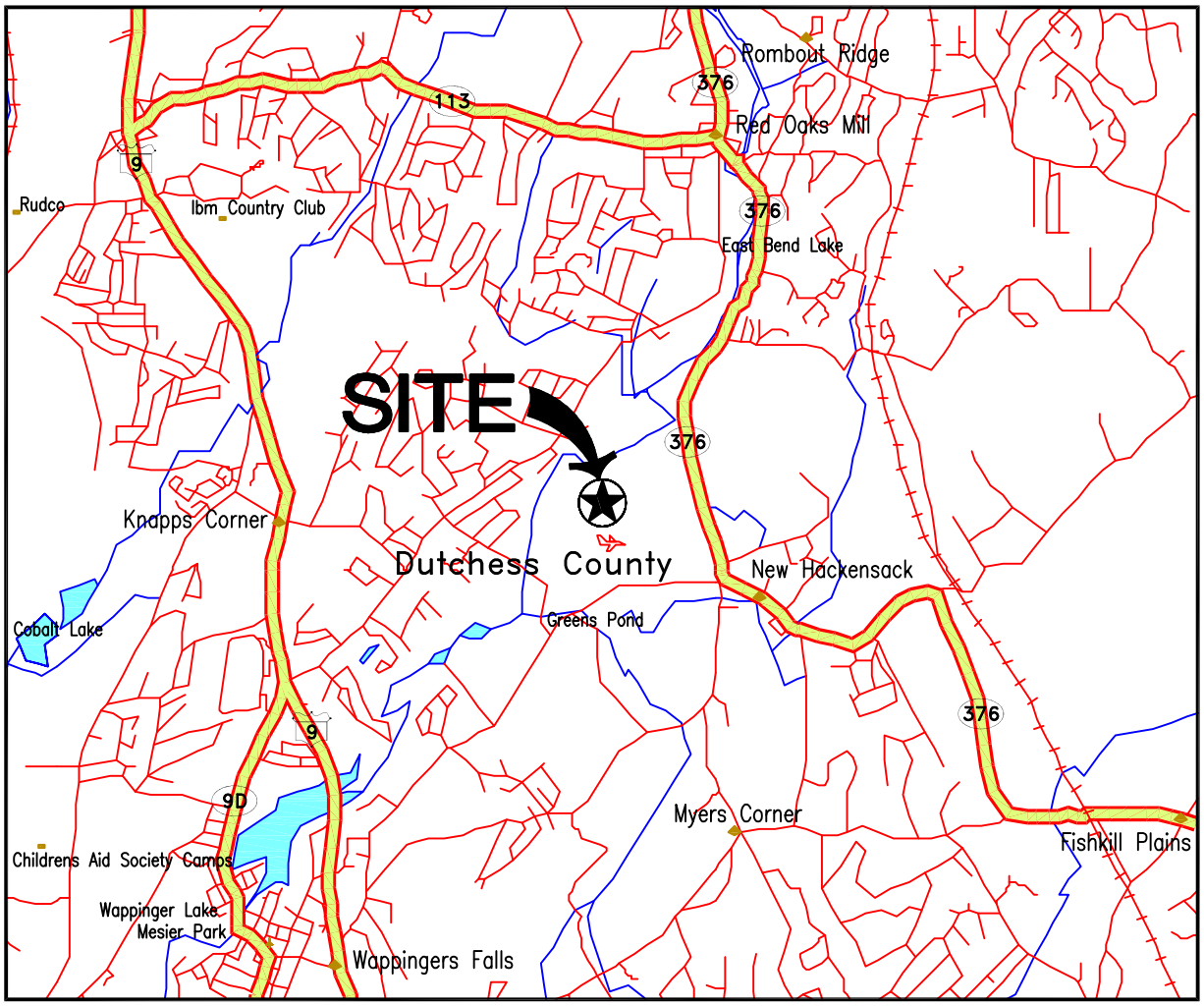

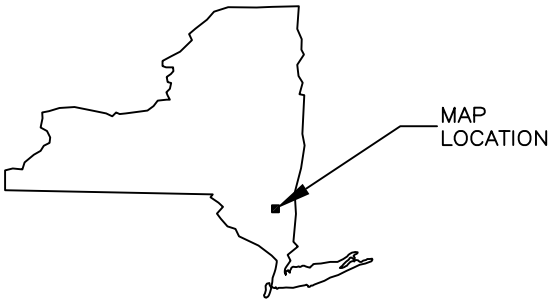

SCALE 1:62,500

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

Shaw
Shaw Environmental, Inc.

FLAGSHIP
AIRLINES, INC.
(DBA AMERICAN EAGLE)

FIGURE 1

SITE LOCATION MAP
DUTCHESS COUNTY AIRPORT
WAPPINGER FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
J. NAFUS	S. SHKOLNIK			820131D75

OFFICE	DATE
ALBANY, NY	06/17/04

Xref: .
Image: .

L:\project\820131\820131D75.dwg
Plot Date/Time: 09/22/04 03:05pm
Plotted by: Samuil.Shkolnik

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

UP

UP

UP

UP

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

LEGEND:

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

SCALE
0 20 40 60 FEET

REFERENCE:

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

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 2
WELL LOCATION MAP
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
ALBANY, NY	06/10/04	J. NAFUS	S. SHKOLNIK			820131D74

Xref: .
Image: .

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Plot Date/Time: 09/22/04 03:04pm
Plotted by: Samuil.Shkolnik

N

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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-13 152.67
ME-15 155.13
ME-14 155.10
ME-16 155.54
ME-17
ME-18 154.81
ME-19 152.58
ME-11
ME-12 154.81
MW-1 154.08
MW-2 156.51
MW-3
MW-4 152.82
MW-5
MW-6 155.18
MW-7A 155.35
MW-8 152.82
MW-9/10R 155.44
MW-20 154.88
A-8S
A-16S 151.95
A-19S 152.14
A-20S 156.06
A-26S
A-27S 152.41
A-39S 152.36
A-40S 151.69
A-41S 152.23
A-42S 151.06
A-43S 151.68
A-44S 150.86
DG-1 153.17
PZ-1 153.34
SANITARY SEWER
EW-1
EW-2
EW-3
EW-4
EW-5
EW-6
SP-1R
SP-2
SP-3
SP-4
SP-5
SP-6
SP-7
SP-8
UP

LEGEND:

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

SCALE
0 20 40 60 FEET

REFERENCE:

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

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 3
GROUNDWATER CONTOUR MAP (05/06/04)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DESIGNED BY	J. NAFUS
DRAWN BY	S. SHKOLNIK
CHECKED BY	
APPROVED BY	
DRAWING NUMBER	820131D70
DATE	06/10/04
OFFICE	ALBANY, NY

Xref: .
Image: .

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Plot Date/Time: 09/22/04 03:03pm
Plotted by: Samuil.Shkolnik

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FORMER IBM HANGER FACILITY

FORMER FLAGSHIP HANGER FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

SANITARY SEWER

UP

UP

UP

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

DG-1
05/06/2004
1U
1U
1U
1U
5U

ME-14
05/06/2004
1U
1U
1U
0.7J
5U

ME-12
05/06/2004
1U
1U
1U
1U
5U

MW-2
05/06/2004
1U
1U
1U
0.4J
5U

MW-20
05/06/2004
1U
1U
1U
1U
5U

ME-19
05/06/2004
1U
1U
1U
1
5U

A-27S
05/06/2004
1
1U
0.5 J
0.3 J
5U

A-26S
05/06/2004
13
1U
1U
1U
5U

A-42S
05/06/2004
1
1U
1U
1U
5U

MW-8
05/06/2004
0.4J
1U
1U
0.3J
5U

MW-6
05/06/2004
1U
1U
1U
0.3J
5U

ME-18
05/06/2004
1U
1U
1U
1U
5U

MW-9/10R
05/06/2004
1U
1U
1U
1U
5U

A-43S
05/06/2004
1
1U
1U
0.4J
5U

LEGEND:

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

MW-9/10R	WELL ID
05/06/2004	DATE
1U	DCA
1U	1,1,1-TCA
1U	TCE
1U	PCE
5U	NAPHTHALENE

U NOT DETECTED ABOVE LABORATORY METHOD DETECTION LIMITS

J ESTIMATED CONCENTRATION

NS NOT SAMPLED

SCALE
0 20 40 60 FEET

REFERENCE:

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

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 4
ANALYTICAL SUMMARY MAP (05/06/04)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DESIGNED BY	J. NAFUS
DRAWN BY	S. SHKOLNIK
CHECKED BY	
APPROVED BY	
DRAWING NUMBER	820131D71
OFFICE	ALBANY, NY
DATE	06/10/04

Xref: .
Image: .

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Plot Date/Time: 09/22/04 03:02pm
Plotted by: Samuil.Shkolnik

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

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- NAPHTHALENE ISOCHRON (DASHED WHERE INFERRED)
- U NOT DETECTED ABOVE LABORATORY METHOD DETECTION LIMITS
- J ESTIMATED CONCENTRATION

REFERENCE:

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

SCALE
0 20 40 60 FEET

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 5
NAPHTHALENE ISOCHRON MAP (05/06/04)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
J. NAFUS	S. SHKOLNIK			820131D72

OFFICE	DATE
ALBANY, NY	06/10/04

Xref: .
Image: .

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Plot Date/Time: 09/22/04 03:00pm
Plotted by: Samuil.Shkolnik

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FORMER IBM HANGAR FACILITY

FORMER FLAGSHIP HANGAR FACILITY

PARKING (BIT.)

PARKING (BIT.)

PARKING (BIT.)

AIRPORT COUNTY MAINT. GARAGE

TREATMENT COMPOUND

SERVICE ROAD / GRIFFITH ROAD

UP

UP

UP

UP

NS ME-13

ME-15 NS

A-39S

NS A-8S

A-16S

1U DG-1

A-19S

SANITARY SEWER 1U

NS A-41S

A-27S 1U

A-20S

A-44S

EW-4

SP-6

A-40S

A-26S 1U

MW-20 1U

ME-19 1U

SP-8

EW-6

SP-5

A-42S 0.3J

MW-4 UP

MW-8 1U

A-43S 1U

PZ-1

SP-4

EW-3

ME-18 1U

MW-1 NS

MW-3

ME-14 1U

EW-5

SP-7

ME-17

ME-16 NS

MW-2 1U

EW-7

SP-2

EW-2

ME-11

SP-3

ME-12 1U

MW-6 1U

SP-1R

EW-1

MW-9/10R 1U

MW-7A NS

MW-5

LEGEND:

SANITARY SEWER		EXTRACTION WELL	
SHALLOW WELL		PROPERTY LINE (APPROXIMATE)	
BEDROCK WELL	U	NOT DETECTED ABOVE LABORATORY METHOD DETECTION LIMITS	
SPARGE WELL	J	ESTIMATED CONCENTRATION	

SCALE
0 20 40 60 FEET

REFERENCE:

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

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 6
CHLOROETHANE ISOCHRON MAP (05/06/04)
DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

DRAWING NUMBER	820131D73
APPROVED BY	
CHECKED BY	
DRAWN BY	S. SHKOLNIK
DESIGNED BY	J. NAFUS
DATE	06/10/04
OFFICE	ALBANY, NY

Xref: .
Image: .

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Plot Date/Time: 09/22/04 02:58pm
Plotted by: Samuil.Shkolnik

N

TARMAC

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

UP

UP

UP

UP

NS ME-13

ME-15 NS

A-39S

NS A-8S

A-16S

2U DG-1

A-19S

SANITARY SEWER 1

A-41S

1 ug/L

6 A-27S

A-44S

A-20S

EW-4

SP-6

A-40S

A-26S 2U

MW-20 2U

ME-19 0.7J

SP-8

EW-6

SP-5

A-42S 2U

MW-4 UP

MW-8 2U

A-43S 1J

PZ-1

SP-4

EW-3

ME-18 2U

MW-1 NS

MW-3

ME-14 2U

EW-5

SP-7

ME-17

ME-16 NS

MW-2 2U

EW-7

SP-2

EW-2

ME-11

SP-3

ME-12 2U

2U MW-6

SP-1R

EW-1

MW-9/10R 2U

MW-7A NS

MW-5

REFERENCE:

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

LEGEND:

- SANITARY SEWER
- SHALLOW WELL
- BEDROCK WELL
- SPARGE WELL
- EXTRACTION WELL
- PROPERTY LINE (APPROXIMATE)
- 1,2-DICHLOROETHENE ISOCHRON (DASHED WHERE INFERRED)

U NOT DETECTED ABOVE LABORATORY METHOD DETECTION LIMITS

J ESTIMATED CONCENTRATION

SCALE
0 20 40 60 FEET

Shaw Environmental, Inc.

AMERICAN EAGLE AIRLINES

FIGURE 7

1,2-DICHLOROETHENE ISOCHRON MAP (05/06/04) DUTCHESS COUNTY AIRPORT

WAPPINGERS FALLS, NEW YORK

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

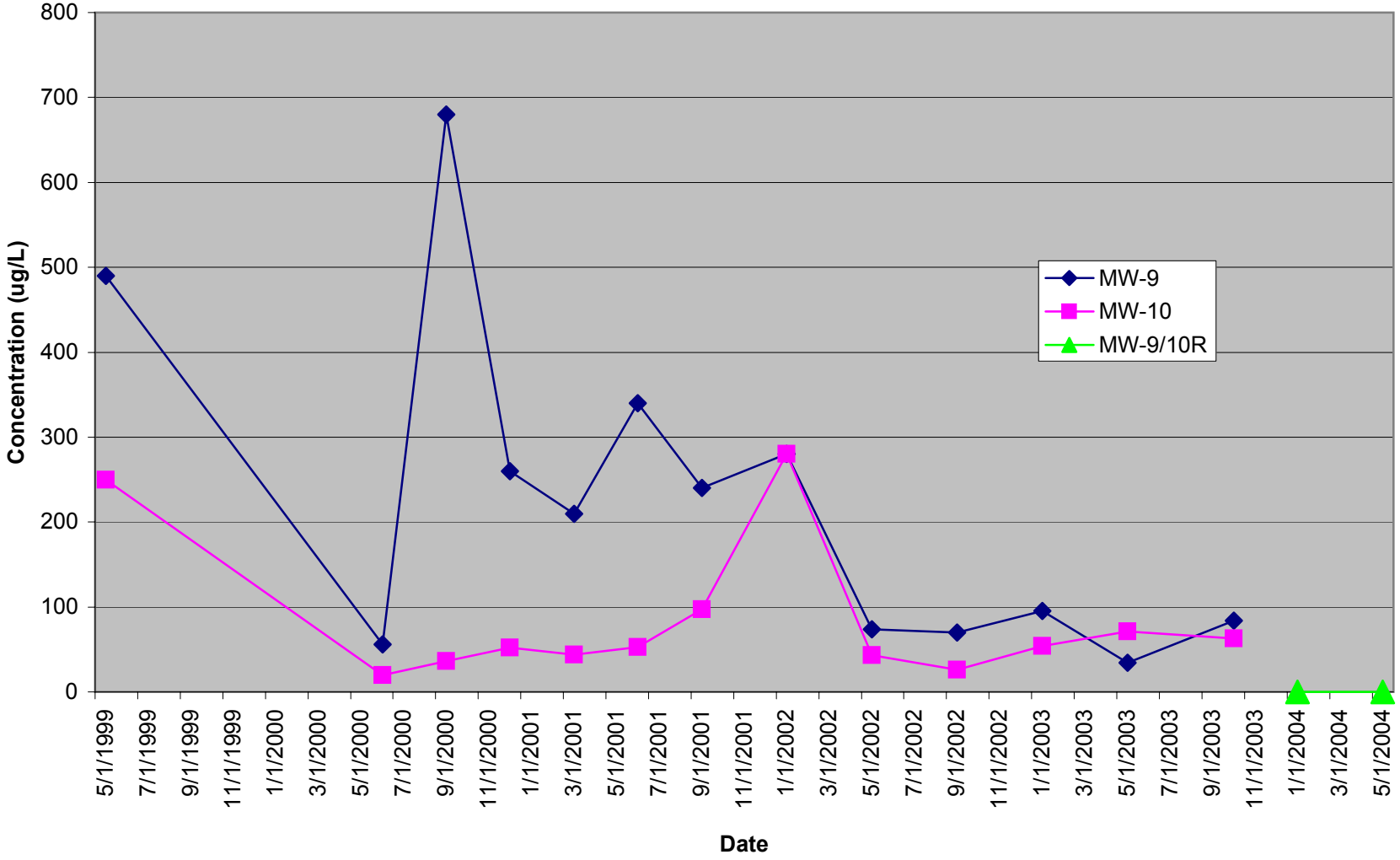


Figure 9
Dissolved 1,1-Dichloroethane Trends, MW-9, MW-10 & A-42S

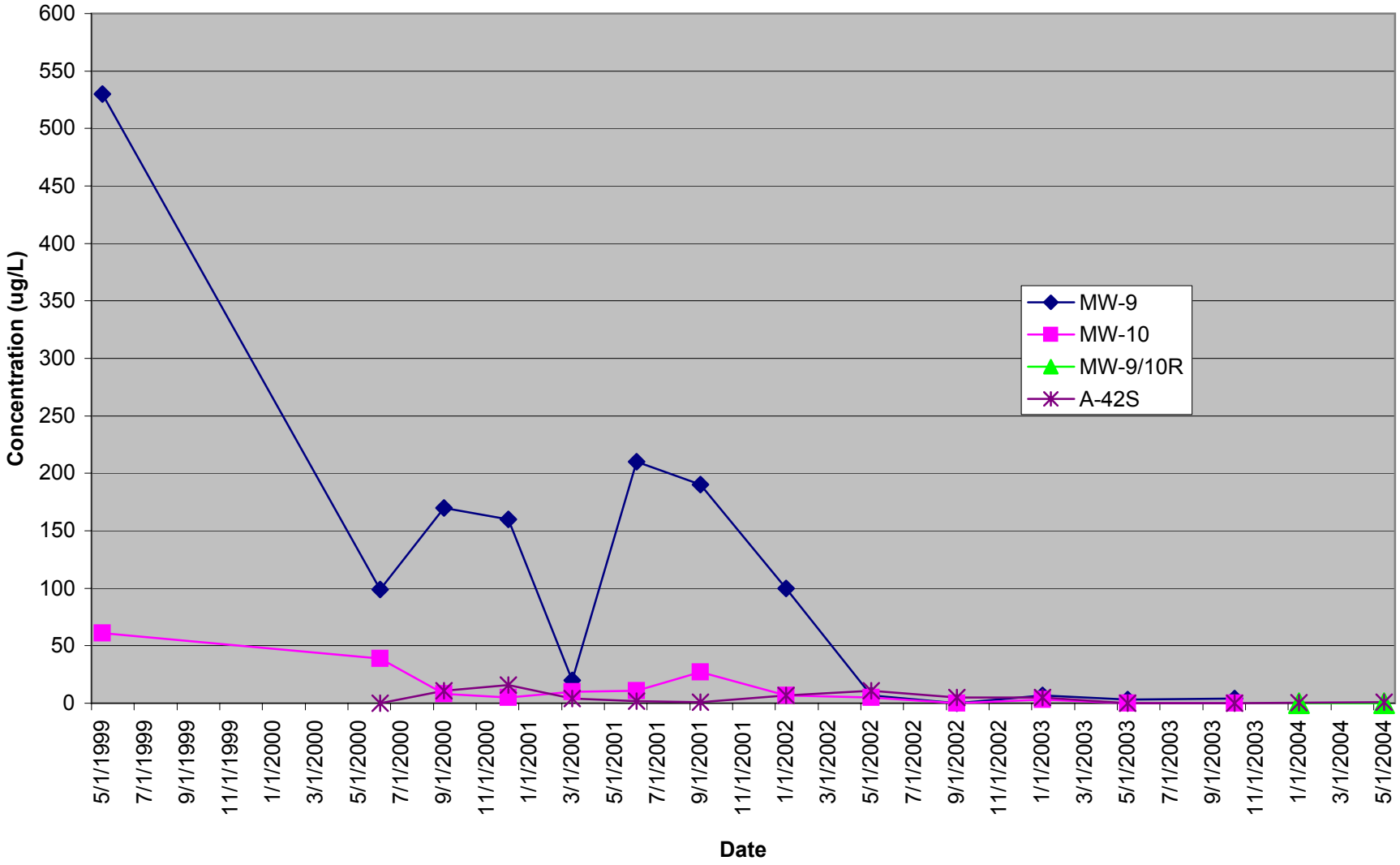
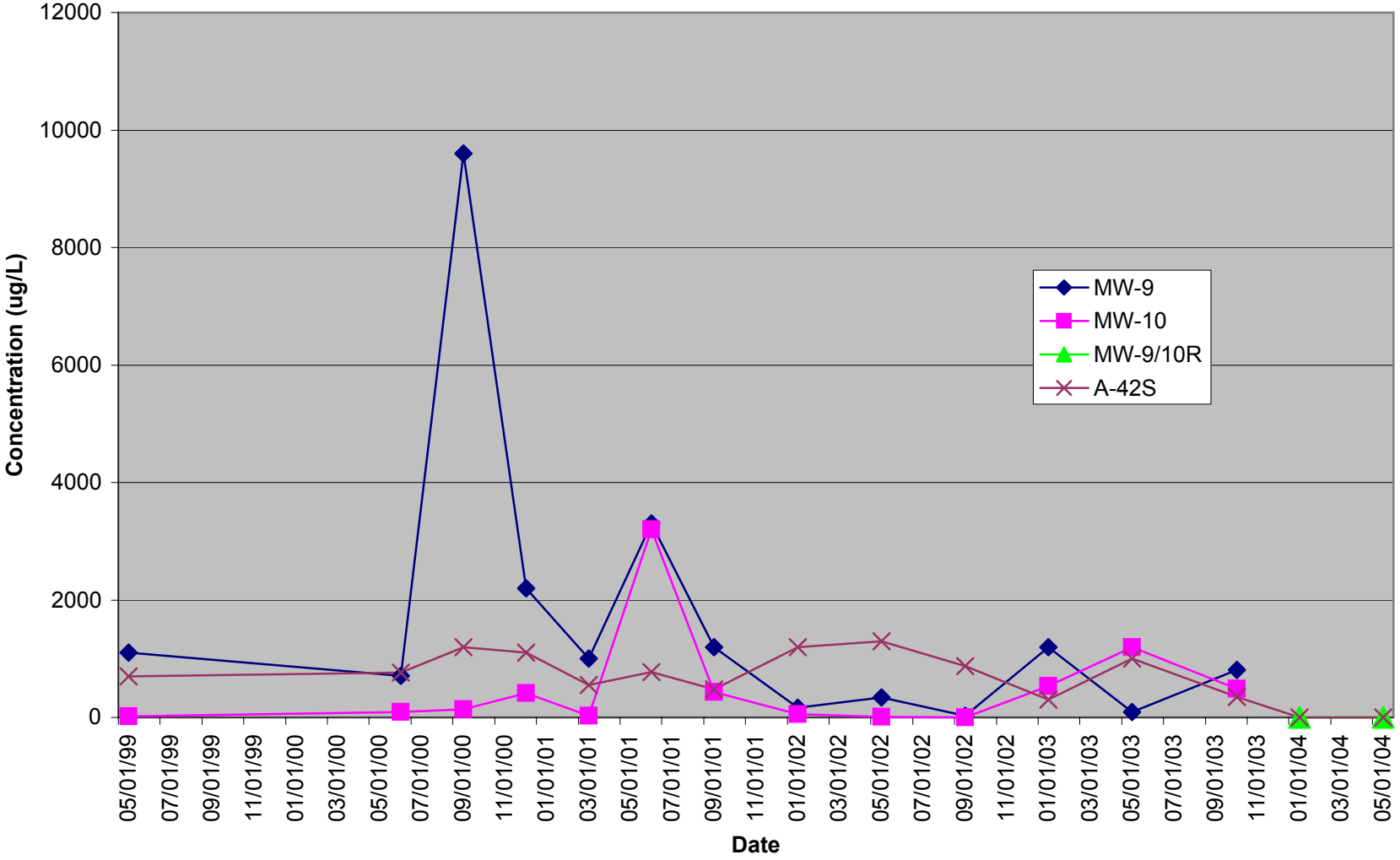


Figure 10
Dissolved Naphthalene Trends, MW-9, MW-10 & A-42S



APPENDIX A

ANALYTICAL RESULTS – GROUNDWATER (OCTOBER 16, 2003)

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

A-26S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432201

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60842.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

A-26S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432201

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5878.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	13	
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	0.8	J

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

A-27S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432202

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z60843.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

A-27S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432202

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5879.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.3	J
75-34-3	1,1-Dichloroethane	1	
540-59-0	1,2-Dichloroethene (Total)	6	
79-01-6	Trichloroethene	0.5	J
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.: A-42S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432203

Sample wt/vol: 1040.0 (g/mL) ML Lab File ID: Z60844.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

A-42S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432203

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5906.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	0.3	J
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

A-42S RE

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432203RI

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5911.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	0.3	J
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

A-43S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432204

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60845.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

A-43S

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432204

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5881.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.4	J
75-34-3	1,1-Dichloroethane	1	
540-59-0	1,2-Dichloroethene (Total)	1	J
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

DG-1

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432205

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60846.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

DG-1

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432205

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5882.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

Duplicate

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432206

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z60847.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

Duplicate

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432206

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5883.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.4	J
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

Field Blank

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432207

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z60848.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

Field Blank

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432207

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5884.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

ME-12

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432208

Sample wt/vol: 1050.0 (g/mL) ML Lab File ID: Z60849.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

ME-12

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432208

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5885.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

ME-14

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432209

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60850.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

ME-14

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432209

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5886.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/12/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.7	J
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

ME-18

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432210

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60853.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

ME-18

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432210

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5899.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.: ME-19

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432211

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60854.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

ME-19

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432211

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5900.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	0.7	J
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

MW-2

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432212

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60855.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-2

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432212

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5901.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.4	J
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

MW-20

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432213

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60856.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-20

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432213

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5902.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

MW-6

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432214

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60857.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/14/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-6

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432214

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5903.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.3	J
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

MW-8

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432215

Sample wt/vol: 1055.0 (g/mL) ML Lab File ID: Z60858.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-8

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432215

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5909.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	0.3	J
75-34-3	1,1-Dichloroethane	0.4	J
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - METHOD 8270 SELECT LIST
ANALYSIS DATA SHEET

Client No.

MW-9/10R

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432216

Sample wt/vol: 1045.0 (g/mL) ML Lab File ID: Z60859.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 05/11/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	5	U
106-44-5	4-Methylphenol	5	U
91-20-3	Naphthalene	5	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-9/10R

Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432216

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5910.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U

ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

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Lab Name: STL Buffalo Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: A4432217

Sample wt/vol: 25.00 (g/mL) ML Lab File ID: N5898.RR

Level: (low/med) LOW Date Samp/Recv: 05/06/2004 05/08/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 05/13/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-55-6	1,1,1-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (Total)	2	U
79-01-6	Trichloroethene	1	U
108-90-7	Chlorobenzene	1	U
75-00-3	Chloroethane	1	U
75-01-4	Vinyl chloride	1	U