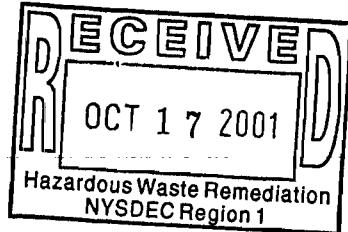


# ARCADIS G&M



Mr. Robert R. Stewart, Environmental Engineer  
New York State Department of Environmental Conservation  
Region 1 Office  
SUNY at Stony Brook  
Building 40  
Stony Brook, New York 11790-2356

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ENVIRONMENTAL

Subject:  
Groundwater Sampling Results from August 2001  
at the 25 Melville Park Road Site  
Melville, New York

ARCADIS Project No.:  
NY001332.0001.00002

Melville  
15 October 2001

Dear Mr. Stewart:

On behalf of WHCS Melville, LLC, ARCADIS G&M has prepared this letter report to document the results and findings of the groundwater sampling event that was conducted in July/August 2001. The purpose of the groundwater sampling event was to determine the present-day volatile organic compound (VOC) dissolved plume configuration. In addition, groundwater samples were collected from select monitoring wells for biogeochemical parameters in order to assess geochemical conditions in the aquifer. The data will aid in the evaluation of remedial technologies and serve as a baseline event for evaluating future remedial performance.

### Groundwater Sampling Program

Prior to commencing groundwater sampling, a synoptic round of water-level measurements was collected on July 30, 2001 from all on-site monitoring wells. Groundwater sampling was conducted between July 31 and August 8, 2001. All groundwater samples were collected using low-flow purging and sampling methodologies as outlined in the New York State Department of Environmental Conservation (NYSDEC)-approved letter workplan dated June 29, 2001 from ARCADIS G&M to the NYSDEC. All non-dedicated equipment (i.e., pumps) were decontaminated between monitoring well locations as described in the letter workplan. Groundwater samples were submitted to Severn Trent Laboratories in Shelton, Connecticut for analysis. Thirty (30) groundwater samples were analyzed for Target Compound List (TCL) VOCs using NYSDEC Analytical Services Protocol (ASP) Method 95-1. Sixteen (16) groundwater samples were analyzed for biogeochemical parameters. In addition, quality assurance/quality control (QA/QC)

Contact:  
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samples were collected in accordance with the letter workplan. The VOC analytical results are provided in Table 1. The biogeochemical analytical results are provided in Tables 2, 3, and 4. Laboratory data are provided along with this letter report. Figure 1 shows the monitoring well locations.

Non-aqueous phase liquid (NAPL) was detected in monitoring wells IW-1, IW-9, and MW-13. Therefore, these wells were not sampled during the event. Light non-aqueous phase liquid (LNAPL) was detected in IW-9. Dense non-aqueous phase liquid (DNAPL) was detected in IW-1 and MW-13. The NAPL thicknesses for these monitoring wells are provided in Table 5. On September 6, 2001, ARCADIS G&M was on-site to collect NAPL samples from Wells IW-1, IW-9, and MW-13 for chemical and physical analysis. The results of these analyses will be submitted under separate cover letter following evaluation of the data. Beginning in October 2001, fluid-level gauging and NAPL recovery efforts will be implemented on a monthly schedule.

### **Groundwater Quality Results and Findings**

This section summarizes the analytical results and findings of the groundwater sampling event. While analytical data are provided for both VOC and biogeochemical parameters, only VOC data are discussed. The biogeochemical data will be discussed in the Remedial Action Plan (RAP) that will be prepared during the fourth quarter of 2001.

Based upon the water-level measurements collected on July 30, 2001, a water-table contour map of the shallow aquifer zone was prepared (Figure 2). As the figure indicates, groundwater flow is to the south-southeast, with an average horizontal hydraulic gradient across the site of approximately 0.001 ft/ft.

The analytical results indicate that significant dissolved VOC concentrations are present on-site. VOC concentrations ranged from 2 µg/L in MW-20D to 32,000 µg/L in IW-3. The present-day VOC plume configuration will be discussed relative to the shallow (45 to 60 feet below land surface [ft bsl]), intermediate (70 to 90 ft bsl), and deep (100 to 185 ft bsl) aquifer zones.

Figure 3 shows the dissolved VOC plume distribution in the shallow zone. VOC concentrations in the shallow zone ranged from 3.4 µg/L (MW-4) to 32,000 µg/L (IW-3). The most significant concentrations were detected just east of the loading dock area. A second area of significant concentrations exists at MW-8 (15,083 µg/L) and MW-7 (11,900 µg/L). These two areas of significant VOC concentrations appear to be separated by a rectangular grouping of wells (IW-5, MW-12, IW-6, IW-7, IW-10, IW-11, and IW-12) that were used as injection wells during a chemical oxidation pilot study conducted by others in July 1998. The shallow zone VOC

plume is defined to the west by MW-14 (12 µg/L) and MW-4 (3.4 µg/L), and to the east by MW-15 (62 µg/L), MW-17 (83 µg/L), MW-2 (62 µg/L), MW-9 (52 µg/L), and MW-3 (121.4 µg/L). The VOC plume is not defined south of MW-29 (4,238 µg/L) in the shallow zone.

Figure 4 shows the dissolved VOC plume distribution in the intermediate zone. VOC concentrations in the intermediate zone ranged from 52.3 µg/L (MW-16D) to 13,130 µg/L (MW-13D). The most significant concentration was detected just east of the loading dock area. A significantly high concentration was also detected at MW-27D (8,835 µg/L). As appears to be the case in the shallow zone, there exists a discontinuity between the two areas of significant concentrations. The intermediate zone VOC plume is generally defined to the east by MW-25D (478 µg/L), IW-12 (186 µg/L), and MW-28D (185 µg/L), and to the south by MW-16D (52.3 µg/L).

Figure 5 shows the dissolved VOC plume distribution in the deep zone. VOC concentrations in the deep zone ranged from 2 µg/L (MW-20D) to 275 µg/L (MW-18D). These wells are both located in the area just east of the loading dock area where the most significant concentrations were reported in the shallow and intermediate zones. The third deep zone monitoring well (MW-19D) had a reported concentration of 2.5 µg/L.

The significant decrease in concentrations with depth between the shallow and deep zones indicates that the dissolved VOC plume is vertically defined. Furthermore, the most significant VOC concentration in the deep zone was reported in MW-18D (275 µg/L), which is screened from 133 to 143 ft bls. Based on the reported concentrations in the two other wells that comprise the deep zone monitoring network, MW-19D (2.5 µg/L), screened from 160 to 170 ft bls, and MW-20D (2 µg/L), screened from 175 to 185 ft bls, the vertical extent of contamination does not appear to extend below 150 ft bls.

The VOC, biogeochemical, and NAPL data will be evaluated further for selection of the remedial technologies that will be implemented at the site. As previously discussed, this evaluation will be presented in the RAP that will be prepared in the fourth quarter of 2001.

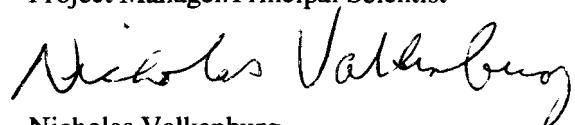
If you have any questions, please do not hesitate to contact me directly at (631) 391-5244.

Sincerely,

ARCADIS G&M, Inc.



Steven M. Feldman  
Project Manager/Principal Scientist



Nicholas Valkenburg  
Project Director/Vice President

Copies:

Shawn Hardy, ARCHON Group

Steven Scharf, NYSDEC

William Gilday, NYSDOH

Geralyn Rosser, SCDHS

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	IW-2 08/07/01	IW-3 08/07/01	IW-4 08/03/01	IW-7 08/06/01	IW-8 08/07/01
Chloromethane	<	20	<	2000	<	500
Bromomethane	<	20	J	< 2000	< 500	J
Vinyl Chloride	<	20	<	2000	< 500	< 10
Chloroethane	<	20	J	< 2000	J	< 10
Methylene Chloride	<	20	<	2000	< 500	< 10
Acetone	<	20	<	2000	< 500	J
Carbon Disulfide	<	20	J	< 2000	J	< 10
1,1-Dichloroethene	<	20	<	2000	< 500	< 10
1,1-Dichloroethane	1	J	< 2000	< 500	6	J
1,2-Dichloroethene (total)	12	J	5000	1600	110	6
Chloroform	<	20	<	2000	< 500	< 10
1,2-Dichloroethane	<	20	<	2000	< 500	< 10
2-Butanone	<	20	<	2000	< 500	< 10
1,1,1-Trichloroethane	<	10	J	< 2000	140	J
Carbon Tetrachloride	<	20	<	2000	< 500	< 10
Bromodichloromethane	<	20	<	2000	< 500	< 10
1,2-Dichloropropane	<	20	<	2000	< 500	< 10
cis-1,3-Dichloropropene	<	20	<	2000	< 500	< 10
Trichloroethene	12	J	17000	2100	38	56
Dibromochloromethane	<	20	<	2000	< 500	< 10
1,1,2-Trichloroethane	<	20	<	2000	< 500	< 10
Benzene	<	20	<	2000	< 500	< 10
trans-1,3-Dichloropropene	<	20	<	2000	< 500	< 10
Bromoform	<	20	<	2000	< 500	< 10
4-Methyl-2-Pentanone	<	20	<	2000	J	< 500
2-Hexanone	<	20	<	2000	J	< 500
Tetrachloroethene	260		10000	6600	100	1000
1,1,2,2-Tetrachloroethane	<	20	<	2000	J	< 500
Toluene	<	20	<	2000	< 500	< 10
Chlorobenzene	<	20	<	2000	< 500	< 10
Ethylbenzene	<	20	<	2000	< 500	< 10
Styrene	<	20	<	2000	< 500	< 10
Xylene (total)	<	20	<	2000	< 500	< 10
<b>Total VOCs</b>		<b>295</b>	<b>32,000</b>	<b>10,440</b>	<b>261</b>	<b>1,084</b>

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	IW-10 08/06/01	IW-12 08/08/01	MW-2 08/08/01	MW-3 07/31/01	MW-4 07/31/01
Chloromethane	<	100	< 10	< 10	< 10	< 10 J
Bromomethane	< 100	J < 10	< 10	< 10	< 10 J	< 10
Vinyl Chloride	< 100	< 10 J	< 10 J	< 10 J	< 10	< 10
Chloroethane	< 100 J	< 10	< 10 J	< 10 J	< 10	< 10
Methylene Chloride	< 100	< 10	< 10	< 10	< 10	< 10
Acetone	< 100	< 10	< 10	< 10	< 10	< 10
Carbon Disulfide	< 100 J	< 10	< 10 J	< 10 J	< 10	< 10
1,1-Dichloroethene	< 100	< 10	< 10	.4 J	< 10	< 10
1,1-Dichloroethane	< 100	6 J	4 J	21	< 10	< 10
1,2-Dichloroethene (total)	< 100	22	< 10	21	< 10	< 10
Chloroform	< 100	< 10	< 10	< 10	< 10	< 10
1,2-Dichloroethane	< 100	< 10	< 10	< 10	< 10	< 10
2-Butanone	< 100	< 10	< 10	< 10	< 10	< 10
1,1,1-Trichloroethane	< 100	8 J	48	30	< 10	< 10
Carbon Tetrachloride	< 100	< 10	< 10	< 10	< 10	< 10
Bromodichloromethane	< 100	< 10	< 10	< 10	< 10	< 10
1,2-Dichloropropane	< 100	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 100	< 10	< 10	< 10	< 10	< 10
Trichloroethene	9 J	10	< 10	4 J	.4 J	< 10
Dibromochloromethane	< 100	< 10	< 10	< 10	< 10	< 10 J
1,1,2-Trichloroethane	< 100	< 10	< 10	< 10	< 10	< 10
Benzene	< 100	< 10	< 10	< 10	< 10	< 10
trans-1,3-Dichloropropene	< 100	< 10	< 10	< 10	< 10	< 10
Bromoform	< 100	< 10	< 10	< 10	< 10	J
4-Methyl-2-Pentanone	< 100	< 10	< 10	< 10	< 10	< 10
2-Hexanone	< 100	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	1000	140	10	45	3 J	
1,1,2,2-Tetrachloroethane	< 100	< 10	< 10	< 10	< 10	< 10
Toluene	< 100	< 10	< 10	< 10	< 10	< 10
Chlorobenzene	< 100	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	< 100	< 10	< 10	< 10	< 10	< 10
Styrene	< 100	< 10	< 10	< 10	< 10	< 10
Xylene (total)	< 100	< 10	< 10	< 10	< 10	< 10
Total VOCs		1,009	186	62	121.4	3.4

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	MW-7 08/02/01	MW-8 08/02/01	MW-9 07/31/01	MW-10 08/01/01	MW-11 07/31/01
Chloromethane	<	500	< 500	< 10	< 500	< 20 J
Bromomethane	< 500	J	< 500 J	< 10 J	< 500 J	< 20
Vinyl Chloride	< 500	< 500	< 10	< 500	< 20	
Chloroethane	< 500	< 500	< 10	< 500	< 20	
Methylene Chloride	< 500	< 500	< 10	< 500	< 20	
Acetone	< 500	< 500	< 10	< 500	< 20	
Carbon Disulfide	< 500	< 500	< 10	< 500	< 20	
1,1-Dichloroethene	< 500	< 500	< 10	< 500	< 20	
1,1-Dichloroethane	< 500	< 500	3 J	< 500	1 J	
1,2-Dichloroethene (total)	1200	1800	17	640	75	
Chloroform	< 500	< 500	< 10	< 500	< 20	
1,2-Dichloroethane	< 500	< 500	< 10	< 500	< 20	
2-Butanone	< 500	< 500	< 10	< 500	< 20	
1,1,1-Trichloroethane	100 J	83 J	2 J	68 J	7 J	
Carbon Tetrachloride	< 500	< 500	< 10	< 500	< 20	
Bromodichloromethane	< 500	< 500	< 10	< 500	< 20	
1,2-Dichloropropane	< 500	< 500	< 10	< 500	< 20	
cis-1,3-Dichloropropene	< 500	< 500	< 10	< 500	< 20	
Trichloroethene	2800	5800	7 J	1700	130	
Dibromochloromethane	< 500	< 500	< 10	< 500	< 20 J	
1,1,2-Trichloroethane	< 500	< 500	< 10	< 500	< 20	
Benzene	< 500	< 500	< 10	< 500	< 20	
trans-1,3-Dichloropropene	< 500	< 500	< 10	< 500	< 20	
Bromoform	< 500	< 500	< 10	< 500	< 20 J	
4-Methyl-2-Pentanone	< 500	< 500	< 10	< 500	< 20	
2-Hexanone	< 500	< 500	< 10	< 500	< 20	
Tetrachloroethene	7800	7400	23	5100	300	
1,1,2,2-Tetrachloroethane	< 500	< 500	< 10	< 500	< 20	
Toluene	< 500	< 500	< 10	< 500	< 20	
Chlorobenzene	< 500	< 500	< 10	< 500	< 20	
Ethylbenzene	< 500	< 500	< 10	< 500	< 20	
Styrene	< 500	< 500	< 10	< 500	< 20	
Xylene (total)	< 500	< 500	< 10	< 500	< 20	
<b>Total VOCs</b>	<b>11,900</b>	<b>15,083</b>	<b>52</b>	<b>7,508</b>	<b>513</b>	

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	MW-11 REP				MW-12 REP				MW-13D				MW-14			
		REP-1 07/31/01	MW-12 08/06/01	REP-2 08/06/01	MW-13D 08/03/01	MW-14 08/03/01											
Chloromethane		< 20	J	< 50		< 50		< 1000		< 10							
Bromomethane		< 20		< 50	J	< 50	J	< 1000	J	< 10	J						
Vinyl Chloride		< 20		< 50		< 50		< 1000		< 10							
Chloroethane		< 20		< 50	J	< 50	J	< 1000		< 10							
Methylene Chloride		< 20		< 50		< 50		< 1000		< 10							
Acetone		< 20		< 50		< 50		< 1000		< 10							
Carbon Disulfide		< 20		< 50	J	< 50	J	< 1000		< 10	J						
1,1-Dichloroethene		< 20		< 50		< 50		< 1000	J	< 10							
1,1-Dichloroethane		1	J	3	J	4	J	< 1000		< 10							
1,2-Dichloroethene (total)		75		550		650		< 1000		< 10							
Chloroform		< 20		< 50		< 50		< 1000		< 10							
1,2-Dichloroethane		< 20		< 50		< 50		< 1000		< 10							
2-Butanone		< 20		< 50		< 50		< 1000		< 10							
1,1,1-Trichloroethane		7	J	< 50		< 50		< 1000		2	J						
Carbon Tetrachloride		< 20		< 50		< 50		< 1000		< 10							
Bromodichloromethane		< 20		< 50		< 50		< 1000		< 10							
1,2-Dichloropropane		< 20		< 50		< 50		< 1000		< 10							
cis-1,3-Dichloropropene		< 20		< 50		< 50		< 1000		< 10							
Trichloroethene		130		47	J	56		130	J	< 10							
Dibromochloromethane		< 20	J	< 50		< 50		< 1000		< 10							
1,1,2-Trichloroethane		< 20		< 50		< 50		< 1000		< 10							
Benzene		< 20		< 50		< 50		< 1000		< 10							
trans-1,3-Dichloropropene		< 20		< 50		< 50		< 1000		< 10							
Bromoform		< 20	J	< 50		< 50		< 1000		< 10							
4-Methyl-2-Pentanone		< 20		< 50		< 50		< 1000		< 10							
2-Hexanone		< 20		< 50		< 50		< 1000		< 10							
Tetrachloroethene		300		24	J	29	J	13000		10							
1,1,2,2-Tetrachloroethane		< 20		< 50		< 50		< 1000		< 10							
Toluene		< 20		< 50		< 50		< 1000		< 10							
Chlorobenzene		< 20		< 50		< 50		< 1000		< 10							
Ethybenzene		< 20		< 50		< 50		< 1000		< 10							
Styrene		< 20		< 50		< 50		< 1000		< 10							
Xylene (total)		< 20		< 50		< 50		< 1000		< 10							
Total VOCs		513		624		739		13,130		12							

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	MW-15 08/07/01	MW-16D 08/01/01	MW-17 08/08/01	MW-18D 08/06/01	MW-19D 08/02/01
Chloromethane	<	10	< 10	J < 10	< 20	< 10
Bromomethane	<	10	< 10	< 10	< 20	J < 10
Vinyl Chloride	<	10	< 10	< 10	J < 20	< 10
Chloroethane	<	10	J < 10	< 10	J < 20	< 10
Methylene Chloride	<	10	< 10	< 10	< 20	< 10
Acetone	<	10	< 10	< 10	< 20	< 10
Carbon Disulfide	<	10	J < 10	< 10	J < 20	J < 10
1,1-Dichloroethene	<	10	< 10	< 10	< 20	< 10
1,1-Dichloroethane	<	10	< 10	6	J < 20	< 10
1,2-Dichloroethene (total)	<	10	< 10	2	J < 6	< 10
Chloroform	<	10	< 10	< 10	< 20	< 10
1,2-Dichloroethane	<	10	< 10	< 10	< 20	< 10
2-Butanone	<	10	< 10	< 10	< 20	< 10
1,1,1-Trichloroethane	38	< 10	10	16	< 20	.5
Carbon Tetrachloride	<	10	< 10	< 10	< 20	< 10
Bromodichloromethane	<	10	< 10	< 10	< 20	< 10
1,2-Dichloropropane	<	10	< 10	< 10	< 20	< 10
cis-1,3-Dichloropropene	<	10	< 10	< 10	< 20	< 10
Trichloroethene	<	10	.3	J 4	J 9	< 10
Dibromochloromethane	<	10	< 10	J < 10	< 20	< 10
1,1,2-Trichloroethane	<	10	< 10	< 10	< 20	< 10
Benzene	<	10	< 10	< 10	< 20	< 10
trans-1,3-Dichloropropene	<	10	< 10	< 10	< 20	< 10
Bromoform	<	10	< 10	J < 10	< 20	< 10
4-Methyl-2-Pentanone	<	10	J < 10	< 10	< 20	< 10
2-Hexanone	<	10	J < 10	< 10	< 20	< 10
Tetrachloroethene	24		52	55	260	2
1,1,2,2-Tetrachloroethane	<	10	J < 10	< 10	< 20	< 10
Toluene	<	10	< 10	< 10	< 20	< 10
Chlorobenzene	<	10	< 10	< 10	< 20	< 10
Ethylbenzene	<	10	< 10	< 10	< 20	< 10
Styrene	<	10	< 10	< 10	< 20	< 10
Xylene (total)	<	10	< 10	< 10	< 20	< 10
Total VOCs		62	52.3	83	275	2.5

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	MW-20D 08/08/01	MW-23 08/02/01	MW-25D 08/03/01	MW-26D 08/03/01	MW-27D 08/01/01
Chloromethane		< 10	< 250	< 50	< 50	< 250 J
Bromomethane		< 10	< 250	J < 50	J < 50	J < 250
Vinyl Chloride		< 10 J	< 250	< 50	< 50	< 250
Chloroethane		< 10 J	< 250	< 50 J	< 50 J	< 250
Methylene Chloride		< 10	< 250	< 50	< 50	< 250
Acetone		< 10	< 250	< 50	< 50	< 250
Carbon Disulfide		< 10 J	< 250	< 50 J	< 50 J	< 250
1,1-Dichloroethene		< 10	< 250	< 50	< 50	< 250
1,1-Dichloroethane		< 10	< 250	3 J	9 J	< 250
1,2-Dichloroethene (total)		< 10	53 J	33 J	520	1600
Chloroform		< 10	< 250	< 50	< 50	< 250
1,2-Dichloroethane		< 10	< 250	< 50	< 50	< 250
2-Butanone		< 10	< 250	< 50	< 50	< 250
1,1,1-Trichloroethane		< 10	< 250	13 J	7 J	35 J
Carbon Tetrachloride		< 10	< 250	< 50	< 50	< 250
Bromodichloromethane		< 10	< 250	< 50	< 50	< 250
1,2-Dichloropropane		< 10	< 250	< 50	< 50	< 250
cis-1,3-Dichloropropene		< 10	< 250	< 50	< 50	< 250
Trichloroethene		< 10	26 J	29 J	150	3300
Dibromochloromethane		< 10	< 250	< 50	< 50	< 250 J
1,1,2-Trichloroethane		< 10	< 250	< 50	< 50	< 250
Benzene		< 10	< 250	< 50	< 50	< 250
trans-1,3-Dichloropropene		< 10	< 250	< 50	< 50	< 250
Bromoform		< 10	< 250	< 50	< 50	< 250 J
4-Methyl-2-Pentanone		< 10	< 250	< 50	< 50	< 250
2-Hexanone		< 10	< 250	< 50	< 50	< 250
Tetrachloroethene		2 J	670	400	75	3900
1,1,2,2-Tetrachloroethane		< 10	< 250	< 50	< 50	< 250
Toluene		< 10	< 250	< 50	< 50	< 250
Chlorobenzene		< 10	< 250	< 50	< 50	< 250
Ethylbenzene		< 10	< 250	< 50	< 50	< 250
Styrene		< 10	< 250	< 50	< 50	< 250
Xylene (total)		< 10	< 250	< 50	< 50	< 250
<b>Total VOCs</b>		<b>2</b>	<b>749</b>	<b>478</b>	<b>761</b>	<b>8,835</b>

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	MW-28D 07/31/01	MW-29 08/01/01	FB073101 07/31/01	FB080101 08/01/01	FB080201 08/02/01
Chloromethane	<	10	< 200	J < 10	< 10	< 10
Bromomethane	<	10	J < 200	< 10	J < 10	J < 10
Vinyl Chloride	<	10	< 200	< 10	< 10	< 10
Chloroethane	<	10	< 200	< 10	< 10	< 10
Methylene Chloride	<	10	< 200	.7	JB 5	JB 5
Acetone	<	10	< 200	< 10	J 4	JB 4
Carbon Disulfide	<	10	< 200	< 10	< 10	< 10
1,1-Dichloroethene	<	10	< 200	< 10	< 10	< 10
1,1-Dichloroethane	7	J < 200	< 10	< 10	< 10	< 10
1,2-Dichloroethene (total)	80		300	< 10	< 10	< 10
Chloroform	<	10	< 200	< 10	1 J	1 J
1,2-Dichloroethane	<	10	< 200	< 10	< 10	< 10
2-Butanone	<	10	< 200	2 JB	2 JB	2 JB
1,1,1-Trichloroethane	4	J 58	J < 10	< 10	< 10	< 10
Carbon Tetrachloride	<	10	< 200	< 10	< 10	< 10
Bromodichloromethane	<	10	< 200	< 10	< 10	< 10
1,2-Dichloropropane	<	10	< 200	< 10	< 10	< 10
cis-1,3-Dichloropropene	<	10	< 200	< 10	< 10	< 10
Trichloroethene	24		780	< 10	< 10	< 10
Dibromochloromethane	<	10	< 200	J < 10	< 10	< 10
1,1,2-Trichloroethane	<	10	< 200	< 10	< 10	< 10
Benzene	<	10	< 200	< 10	< 10	< 10
trans-1,3-Dichloropropene	<	10	< 200	< 10	< 10	< 10
Bromoform	<	10	< 200	J < 10	J < 10	J < 10
4-Methyl-2-Pentanone	<	10	< 200	< 10	< 10	< 10
2-Hexanone	<	10	< 200	< 10	J < 10	J < 10
Tetrachloroethene	70		3100	< 10	< 10	< 10
1,1,2,2-Tetrachloroethane	<	10	< 200	< 10	< 10	< 10
Toluene	<	10	< 200	< 10	< 10	< 10
Chlorobenzene	<	10	< 200	< 10	< 10	< 10
Ethylbenzene	<	10	< 200	< 10	< 10	< 10
Styrene	<	10	< 200	< 10	< 10	< 10
Xylene (total)	<	10	< 200	< 10	< 10	< 10
Total VOCs		185	4,238	2.7	12	12

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	FB080301 08/03/01	FB080601 08/06/01	FB080701 08/07/01	FB080801 08/08/01	TB073101 07/31/01
Chloromethane	<	10	< 10	< 10	< 10	< 10
Bromomethane	< 10	J	< 10	< 10	< 10	< 10
Vinyl Chloride	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	J < 10	< 10	J < 10	< 10
Methylene Chloride	4	JB	5 JB	2 JB	4 JB	3 JB
Acetone	< 10	< 10	< 10	< 10	6 JB	3 JB
Carbon Disulfide	< 10	< 10	J < 10	J < 10	J < 10	< 10
1,1-Dichloroethene	< 10	J < 10	< 10	< 10	< 10	< 10
1,1-Dichloroethane	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dichloroethene (total)	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 10	1	J < 10	< 10	1 J	< 10
1,2-Dichloroethane	< 10	< 10	< 10	< 10	< 10	< 10
2-Butanone	< 10	< 10	< 10	< 10	< 10	3 JB
1,1,1-Trichloroethane	< 10	< 10	< 10	< 10	< 10	< 10
Carbon Tetrachloride	< 10	< 10	< 10	< 10	< 10	< 10
Bromodichloromethane	< 10	< 10	< 10	< 10	< 10	< 10
1,2-Dichloropropane	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 10	< 10	< 10	< 10	< 10	< 10
Trichloroethene	< 10	< 10	< 10	< 10	< 10	< 10
Dibromochloromethane	< 10	< 10	< 10	< 10	< 10	< 10
1,1,2-Trichloroethane	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	< 10	< 10	< 10	< 10	< 10	< 10
trans-1,3-Dichloropropene	< 10	< 10	< 10	< 10	< 10	< 10
Bromoform	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone	< 10	< 10	J < 10	J < 10	J < 10	< 10
2-Hexanone	< 10	< 10	J < 10	J < 10	J < 10	< 10
Tetrachloroethene	< 10	< 10	< 10	< 10	< 10	< 10
1,1,2,2-Tetrachloroethane	< 10	< 10	J < 10	J < 10	J < 10	< 10
Toluene	< 10	< 10	< 10	< 10	< 10	.4 J
Chlorobenzene	< 10	< 10	< 10	< 10	< 10	< 10
Ethylbenzene	< 10	< 10	< 10	< 10	< 10	< 10
Styrene	< 10	< 10	< 10	< 10	< 10	< 10
Xylene (total)	< 10	< 10	< 10	< 10	< 10	< 10
Total VOCs	4	6	2	11	9.4	

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: Date:	TB080101 08/01/01	TB080201 08/02/01	TB080301 08/03/01	TB080601 08/06/01	TB080701 08/07/01
Chloromethane	<	10	<	10	<	10
Bromomethane	<	10	J <	10 J <	10 J <	10 <
Vinyl Chloride	<	10	<	10	<	10
Chloroethane	<	10	<	10	<	10 J < 10 J
Methylene Chloride	4	JB	4 JB	2 JB	3 JB	2 JB
Acetone	3	JB	3 JB	< 10	< 10	< 10
Carbon Disulfide	<	10	< 10	< 10	< 10 J	< 10 J
1,1-Dichloroethene	<	10	< 10	< 10	< 10	< 10
1,1-Dichloroethane	<	10	< 10	< 10	< 10	< 10
1,2-Dichloroethene (total)	<	10	< 10	< 10	< 10	< 10
Chloroform	.5	J	.6 J	< 10	< 10	< 10
1,2-Dichloroethane	<	10	< 10	< 10	< 10	< 10
2-Butanone	2	JB	2 JB	< 10	< 10	< 10
1,1,1-Trichloroethane	<	10	< 10	< 10	< 10	< 10
Carbon Tetrachloride	<	10	< 10	< 10	< 10	< 10
Bromodichloromethane	<	10	< 10	< 10	< 10	< 10
1,2-Dichloropropane	<	10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	<	10	< 10	< 10	< 10	< 10
Trichloroethene	<	10	< 10	< 10	< 10	< 10
Dibromochloromethane	<	10	< 10	< 10	< 10	< 10
1,1,2-Trichloroethane	<	10	< 10	< 10	< 10	< 10
Benzene	<	10	< 10	< 10	< 10	< 10
trans-1,3-Dichloropropene	<	10	< 10	< 10	< 10	< 10
Bromoform	<	10	J < 10	J < 10	< 10	< 10
4-Methyl-2-Pentanone	<	10	< 10	< 10	< 10 J < 10	J
2-Hexanone	<	10	J < 10	J < 10	< 10 J < 10	J
Tetrachloroethene	<	10	< 10	< 10	< 10	< 10
1,1,2,2-Tetrachloroethane	<	10	< 10	< 10	< 10 J < 10	J
Toluene	<	10	< 10	< 10	< 10	< 10
Chlorobenzene	<	10	< 10	< 10	< 10	< 10
Ethylbenzene	<	10	< 10	< 10	< 10	< 10
Styrene	<	10	< 10	< 10	< 10	< 10
Xylene (total)	<	10	< 10	< 10	< 10	< 10
Total VOCs		9.5	9.6	2	3	2

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

Table 1. Concentrations of Volatile Organic Compounds in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent (Units in ug/L)	Sample ID: TB080801	Date: 08/08/01
Chloromethane	< 10	
Bromomethane	< 10	
Vinyl Chloride	< 10	
Chloroethane	< 10 J	
Methylene Chloride	2 JB	
Acetone	< 10	
Carbon Disulfide	< 10 J	
1,1-Dichloroethene	< 10	
1,1-Dichloroethane	< 10	
1,2-Dichloroethene (total)	< 10	
Chloroform	< 10	
1,2-Dichloroethane	< 10	
2-Butanone	< 10	
1,1,1-Trichloroethane	< 10	
Carbon Tetrachloride	< 10	
Bromodichloromethane	< 10	
1,2-Dichloropropane	< 10	
cis-1,3-Dichloropropene	< 10	
Trichloroethene	< 10	
Dibromochloromethane	< 10	
1,1,2-Trichloroethane	< 10	
Benzene	< 10	
trans-1,3-Dichloropropene	< 10	
Bromoform	< 10	
4-Methyl-2-Pentanone	< 10 J	
2-Hexanone	< 10 J	
Tetrachloroethene	< 10	
1,1,2,2-Tetrachloroethane	< 10 J	
Toluene	< 10	
Chlorobenzene	< 10	
Ethylbenzene	< 10	
Styrene	< 10	
Xylene (total)	< 10	
<b>Total VOCs</b>	<b>2</b>	

ug/L Micrograms per liter  
J Estimated value  
B Detected in associated blank  
REP Replicate  
FB Field Blank  
TB Trip Blank  
VOCs Volatile Organic Compounds

**Table 2. Concentrations of Total and Dissolved Metals in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.**

Constituent: (Units in ug/L)	Sample ID: Date:	IW-2 08/07/01	IW-3 08/07/01	IW-7 08/06/01	IW-8 08/07/01	IW-10 08/06/01
Iron (total)		694	8990	4670	526	1980
Manganese (total)		11.3	B	228	78.6	24.2
Iron (dissolved)		< 19.9		8700	3280	< 19.9
Manganese (dissolved)		8.8	B	258	83.8	25.3

ug/L      Micrograms per liter

--      Not analyzed

B      Detected in associated blank

REP      Replicate

FB      Field Blank

Table 2. Concentrations of Total and Dissolved Metals in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent: (Units in ug/L)	Sample ID: Date:	MW-7 08/02/01	MW-8 08/02/01	MW-10 08/01/01	MW-12 08/06/01	MW-12 REP REP-2 08/06/01
Iron (total)		14200	12400	10400	12300	12400
Manganese (total)		569	610	451	159	159
Iron (dissolved)		11700	13100	8540	12900	13100
Manganese (dissolved)		599	651	432	168	170

ug/L Micrograms per liter

-- Not analyzed

B Detected in associated blank

REP Replicate

FB Field Blank

Table 2. Concentrations of Total and Dissolved Metals in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

Constituent: (Units in ug/L)	Sample ID: Date:	MW-15 08/07/01	MW-16D 08/01/01	MW-18D 08/06/01	MW-19D 08/02/01	MW-23 08/02/01
Iron (total)		72.9 B	1340	181	282	6070
Manganese (total)		15.8	35.7	141	15.2	118
Iron (dissolved)	<	19.9	24.2 B	< 19.9	< 19.9	70.8 B
Manganese (dissolved)		14.5 B	2.9 B	127	11.4 B	49.0

ug/L Micrograms per liter

-- Not analyzed

B Detected in associated blank

REP Replicate

FB Field Blank

**Table 2. Concentrations of Total and Dissolved Metals in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.**

Constituent: (Units in ug/L)	Sample ID: Date:	MW-27D 08/01/01	MW-29 08/01/01	FB080101 08/01/01	FB080201 08/02/01	FB080601 08/06/01
Iron (total)		17800	1910	15.5 B	< 19.9	< 19.9
Manganese (total)		366	15.6	< 1.5	< 1.0	< 1.0
Iron (dissolved)		13600	22.4 B	--	< 19.9	--
Manganese (dissolved)		359	3.5 B	--	< 1.0	--

ug/L Micrograms per liter

-- Not analyzed

B Detected in associated blank

REP Replicate

FB Field Blank

Table 2. Concentrations of Total and Dissolved Metals in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.

---

Constituent:	Sample ID:	FB080701
(Units in ug/L)	Date:	08/07/01

---

Iron (total)	25.8	B
Manganese (total)	<	1.0
Iron (dissolved)	--	
Manganese (dissolved)	--	

---

ug/L      Micrograms per liter  
--      Not analyzed  
B      Detected in associated blank  
REP      Replicate  
FB      Field Blank

**Table 3. Concentrations of Classical Chemistry Analytes in Groundwater Samples Collected from Monitoring Wells,  
25 Melville Park Road Site, Melville, New York.**

Analyte: (Units in mg/L)	Sample ID: Date:	IW-2 08/07/01	IW-3 08/07/01	IW-7 08/06/01	IW-8 08/07/01	IW-10 08/06/01
Alkalinity		51	75	64.5	21	4.5
Ammonia	< .04	< .04		.098	< .04	< .04
Chloride	66.9	43.3		57.1	22.9	13.8
Nitrate	1.84	< .1		.236	2.15	1.27
Nitrite	< .1	< .1		< .1	< .1	< .1
Sulfate	24.2	3.96		21.5	28.5	25.3
TOC	1.56	8.34		4.08	< 1	< 1

mg/L      Milligrams per liter  
 --      Not analyzed  
 REP      Replicate  
 FB      Field Blank

**Table 3. Concentrations of Classical Chemistry Analytes in Groundwater Samples Collected from Monitoring Wells,  
25 Melville Park Road Site, Melville, New York.**

Analyte: (Units in mg/L)	Sample ID: Date:	MW-7 08/02/01	MW-8 08/02/01	MW-10 08/01/01	MW-12 08/06/01	MW-12 REP REP-2 08/06/01
Alkalinity		51	70	45	81	82.5
Ammonia		.37	.443	.217	.178	.18
Chloride		41.8	50.1	36.7	44.8	43.8
Nitrate		< .1	< .1	< .1	< .1	< .1
Nitrite		< .1	< .1	< .1	< .1	< .1
Sulfate		11.8	8.42	17.3	8.69	8.28
TOC		6.07	8.93	4.42	3.87	< 1

mg/L      Milligrams per liter  
 --      Not analyzed  
 REP      Replicate  
 FB      Field Blank

Table 3. Concentrations of Classical Chemistry Analytes in Groundwater Samples Collected from Monitoring Wells,  
25 Melville Park Road Site, Melville, New York.

Analyte: (Units in mg/L)	Sample ID: Date:	MW-15 08/07/01	MW-16D 08/01/01	MW-18D 08/06/01	MW-19D 08/02/01	MW-23 08/02/01
Alkalinity		17	6.5	120	7	14.5
Ammonia	<	.04	.053	< .04	.04	< .04
Chloride		25.5	8.03	47.5	87.7	20.9
Nitrate		1.3	.987	1.78	3.74	1.13
Nitrite	<	.1	< .1	< .1	< .1	< .1
Sulfate		16.9	14	17.2	18.1	23.5
TOC		1.83	< 1	2.09	1.88	3.45

mg/L Milligrams per liter  
-- Not analyzed  
REP Replicate  
FB Field Blank

**Table 3. Concentrations of Classical Chemistry Analytes in Groundwater Samples Collected from Monitoring Wells,  
25 Melville Park Road Site, Melville, New York.**

Analyte: (Units in mg/L)	Sample ID: Date:	MW-27D 08/01/01	MW-29 08/01/01	FB080101 08/01/01	FB080201 08/02/01	FB080601 08/06/01
Alkalinity		58	32.5	< 2	< 2	< 2
Ammonia		.392	< .04	--	--	--
Chloride		47.8	46.8	< 1	< 1	< 1
Nitrate		< .1	.765	< .1	< .1	< .1
Nitrite		< .1	< .1	< .1	< .1	< .1
Sulfate		15.8	24.5	< 1	< 1	< 1
TOC		6.32	2.24	< 1	1.43	< 1

mg/L Milligrams per liter

-- Not analyzed

REP Replicate

FB Field Blank

Table 3. Concentrations of Classical Chemistry Analytes in Groundwater Samples Collected from Monitoring Wells,  
25 Melville Park Road Site, Melville, New York.

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Analyte:	Sample ID:	FB080701
(Units in mg/L)	Date:	08/07/01

---

Alkalinity	<	2
Ammonia		--
Chloride	<	1
Nitrate	<	.1
Nitrite	<	.1
Sulfate	<	1
TOC	<	1

---

mg/L      Milligrams per liter  
--      Not analyzed  
REP      Replicate  
FB      Field Blank

**Table 4. Concentrations of Permanent Gases and Light Hydrocarbons in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.**

Analyte:	Sample ID:	IW-2	IW-3	IW-7	IW-8	IW-10
	Date:	08/07/01	08/07/01	08/06/01	08/07/01	08/06/01
Carbon Dioxide (mg/L)		40.8	58.9	83.0	24.4	20.1
Oxygen (mg/L)		3.23	0.22	1.05	2.71	3.28
Nitrogen (mg/L)		8.3	10.3	10.1	8.9	7.4
Methane (ug/L)	<	0.2	244.1	9.3	0.3	< 0.2
Ethane (ug/L)	<	0.01	0.02	< 0.01	< 0.01	< 0.01
Ethene (ug/L)	<	0.01	0.05	0.02	< 0.01	0.01

ug/L Micrograms per liter

mg/L Milligrams per liter

REP Replicate

**Table 4. Concentrations of Permanent Gases and Light Hydrocarbons in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.**

Analyte:	Sample ID:	MW-7	MW-8	MW-10	MW-12	MW-12 REP
		Date:	08/02/01	08/02/01	08/01/01	REP-2 08/06/01
Carbon Dioxide (mg/L)		57.2	49.4	59.2	54.3	56.1
Oxygen (mg/L)		< 0.15	< 0.15	0.56	< 0.15	< 0.15
Nitrogen (mg/L)		10.8	5.8	11.6	7.8	9.1
Methane (ug/L)		46.4	48.5	35.8	297.8	414.9
Ethane (ug/L)		0.01	0.01	0.02	0.02	0.02
Ethene (ug/L)		0.07	0.05	0.07	0.02	0.03

ug/L Micrograms per liter

mg/L Milligrams per liter

REP Replicate

**Table 4. Concentrations of Permanent Gases and Light Hydrocarbons in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.**

Analyte:	Sample ID:	MW-15	MW-16D	MW-18D	MW-19D	MW-23
	Date:	08/07/01	08/01/01	08/06/01	08/02/01	08/02/01
Carbon Dioxide (mg/L)		43.1	16.2	< 0.4	33.4	33.9
Oxygen (mg/L)		3.21	5.54	1.36	2.50	1.89
Nitrogen (mg/L)		8.2	12.0	8.5	5.8	7.7
Methane (ug/L)		< 0.2	< 0.2	< 0.2	< 0.2	1.5
Ethane (ug/L)		< 0.01	< 0.01	0.02	0.01	< 0.01
Ethene (ug/L)		0.01	< 0.01	0.08	0.02	0.02

ug/L Micrograms per liter

mg/L Milligrams per liter

REP Replicate

**Table 4. Concentrations of Permanent Gases and Light Hydrocarbons in Groundwater Samples Collected from Monitoring Wells, 25 Melville Park Road Site, Melville, New York.**

Analyte:	Sample ID:	MW-27D	MW-29
	Date:	08/01/01	08/01/01
<hr/>			
Carbon Dioxide (mg/L)		53.8	52.6
Oxygen (mg/L)		0.64	1.11
Nitrogen (mg/L)		12.6	12.4
Methane (ug/L)		98.9	1.5
Ethane (ug/L)	<	0.01	0.10
Ethene (ug/L)		0.06	0.03

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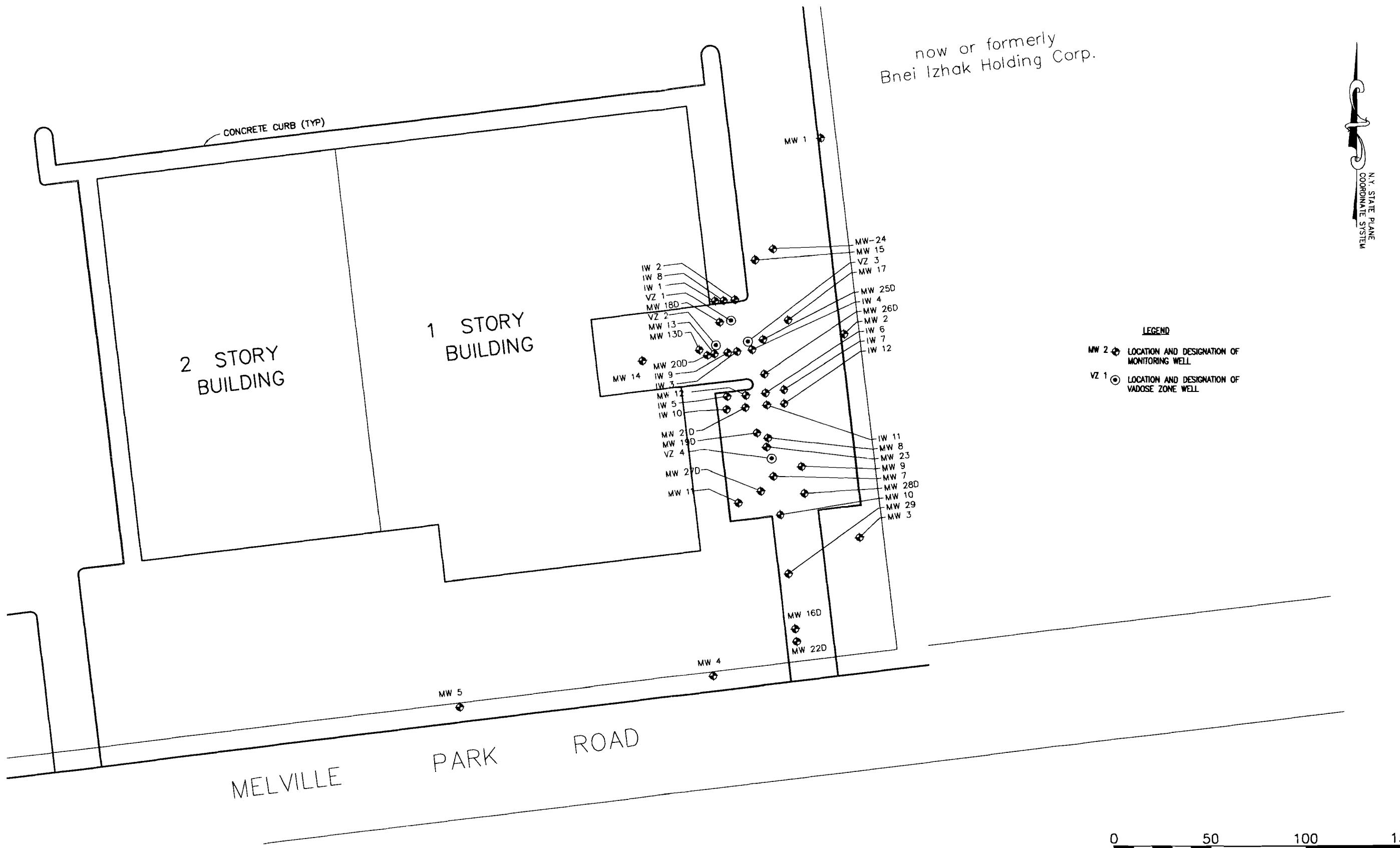
ug/L	Micrograms per liter
mg/L	Milligrams per liter
REP	Replicate

**Table 5. Non-Aqueous Phase Liquid Thicknesses Detected in Monitoring Wells, 25 Melville Park Road Site, Melville, New York.**

Date:	Well ID:	IW-1 DNAPL/LNAPL (feet)	IW-9 DNAPL/LNAPL (feet)	MW-13 DNAPL/LNAPL (feet)
7/30/01		0.40/0.00	0.00/1.32	<0.01*/0.00
8/6/01		0.40/0.00	0.00/1.99	<0.01*/0.00
10/9/01		0.15/0.00	0.00/1.16	0.00/0.00

DNAPL      Dense Non-Aqueous Phase Liquid  
 LNAPL      Light Non-Aqueous Phase Liquid

\*DNAPL was detected in MW-13. However, the amount of product in the well is less than 0.01-feet thick.  
 Upon withdrawing a bailer from the well, DNAPL was visually apparent.



0 50 100 150  
SCALE IN FEET

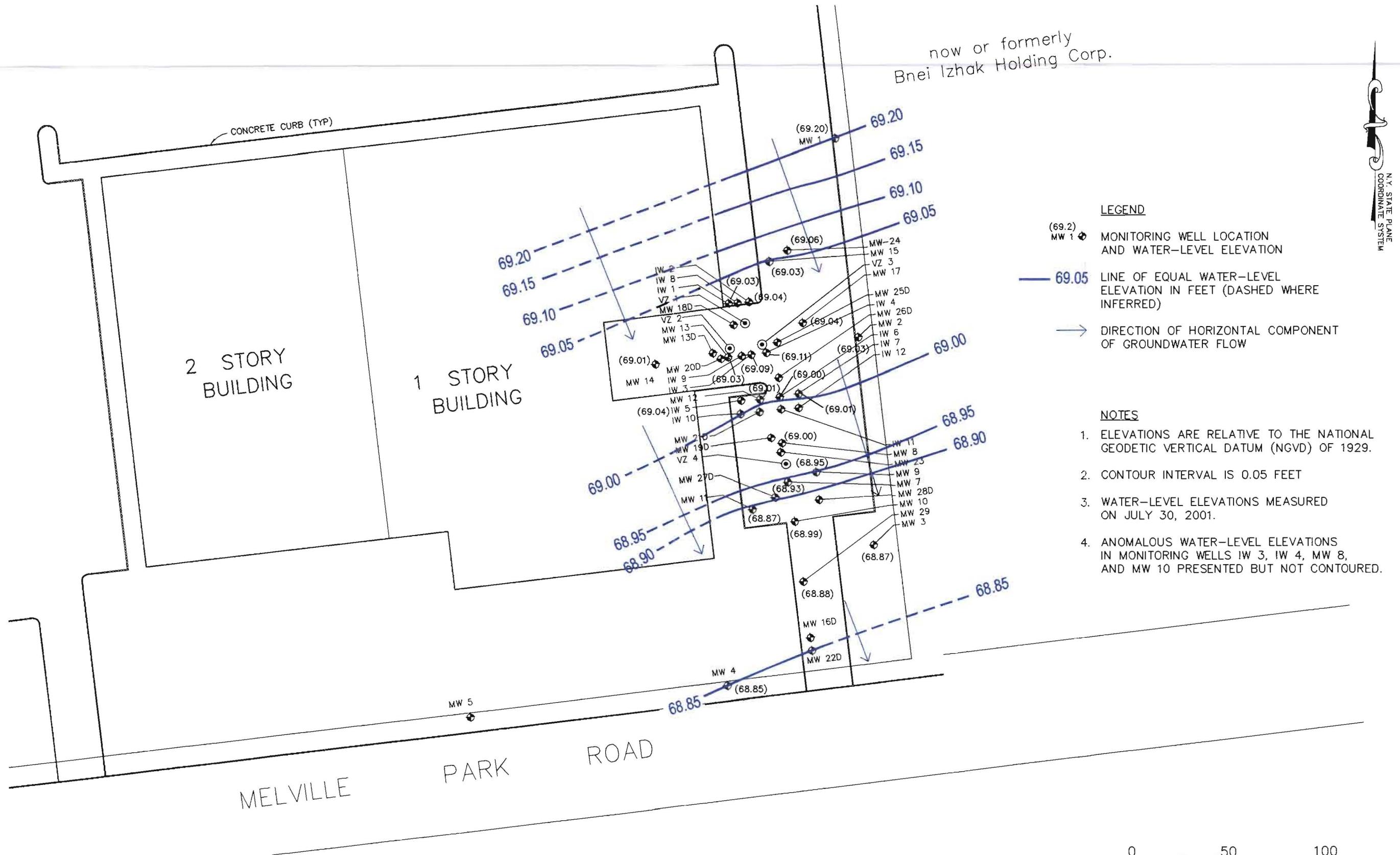
**ARCADIS G&M**

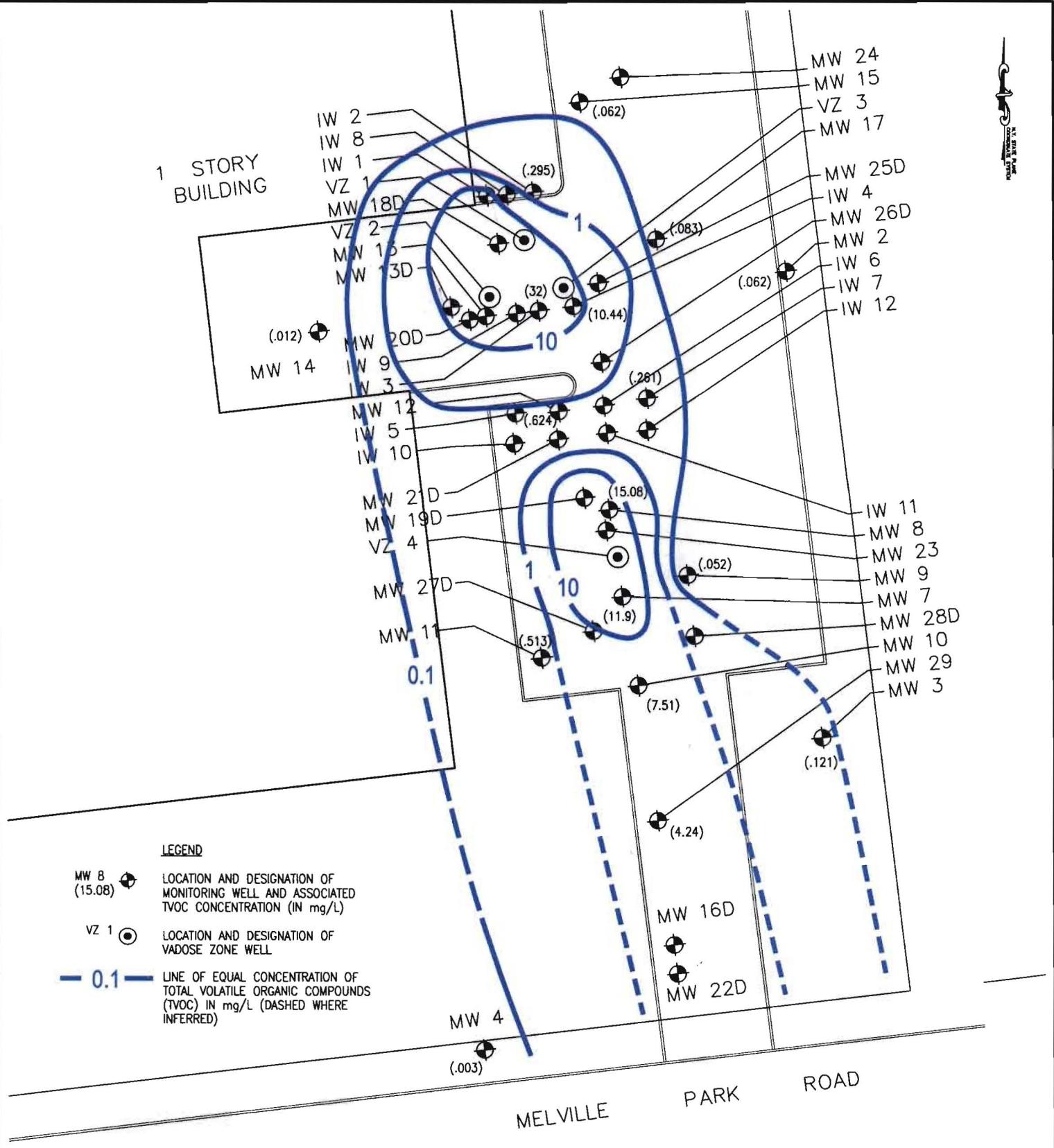
88 Duryea Road  
Melville, NY 11747  
Tel: (631) 249-7600 Fax: (631) 249-7610



25 MELVILLE PARK ROAD  
MELVILLE, NEW YORK  
WHCS MELVILLE, LLC.

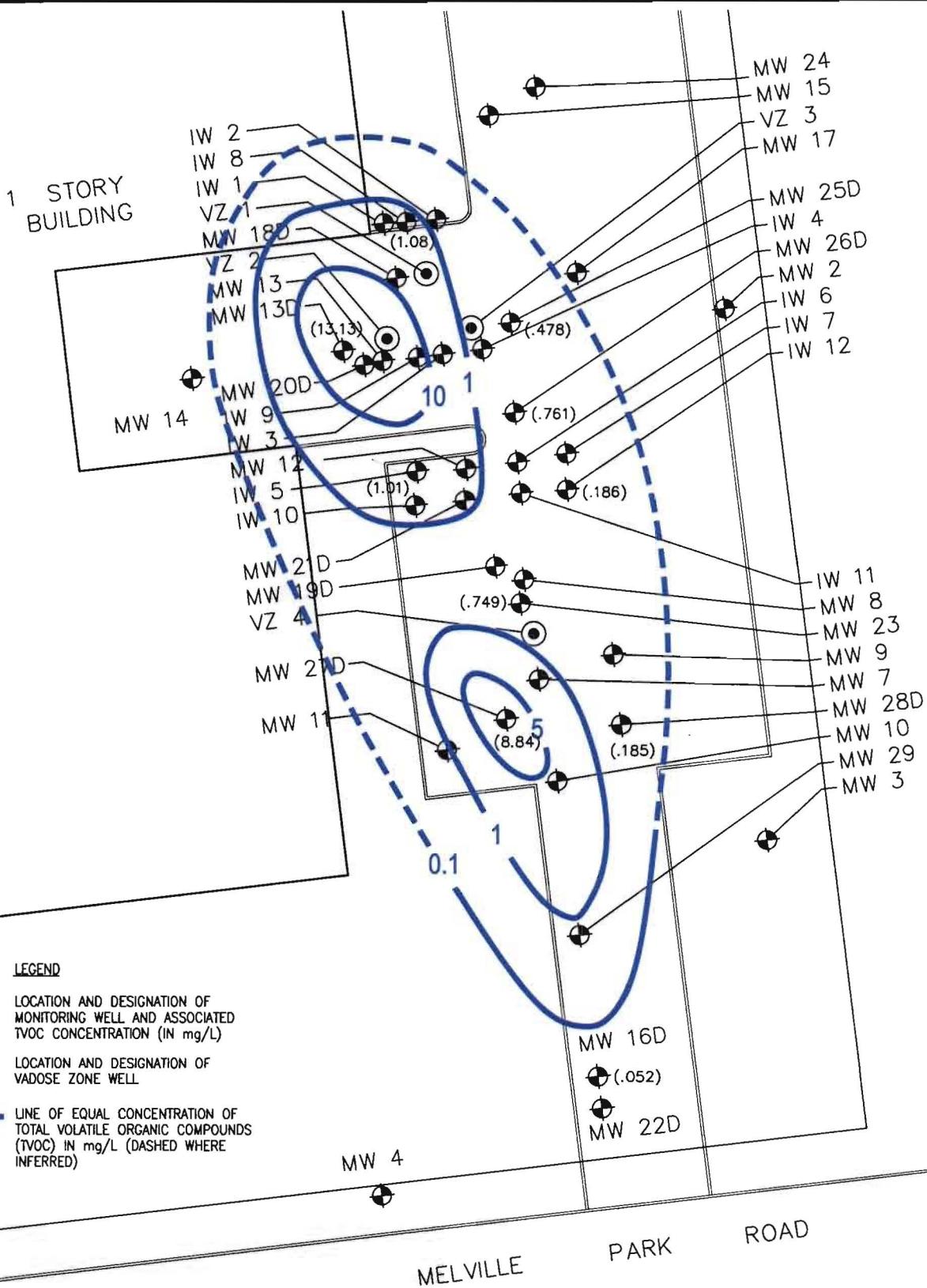
DRAWN M.W.	DATE 6/22/01	PROJECT MANAGER S. FELDMAN	DEPARTMENT MANAGER N. VALKENBURG
LEAD DESIGN PROF.	CHEKED C. KEEN	PROJECT NUMBER	DRAWING NUMBER
MONITORING WELL LOCATION MAP			NY01332.01.02



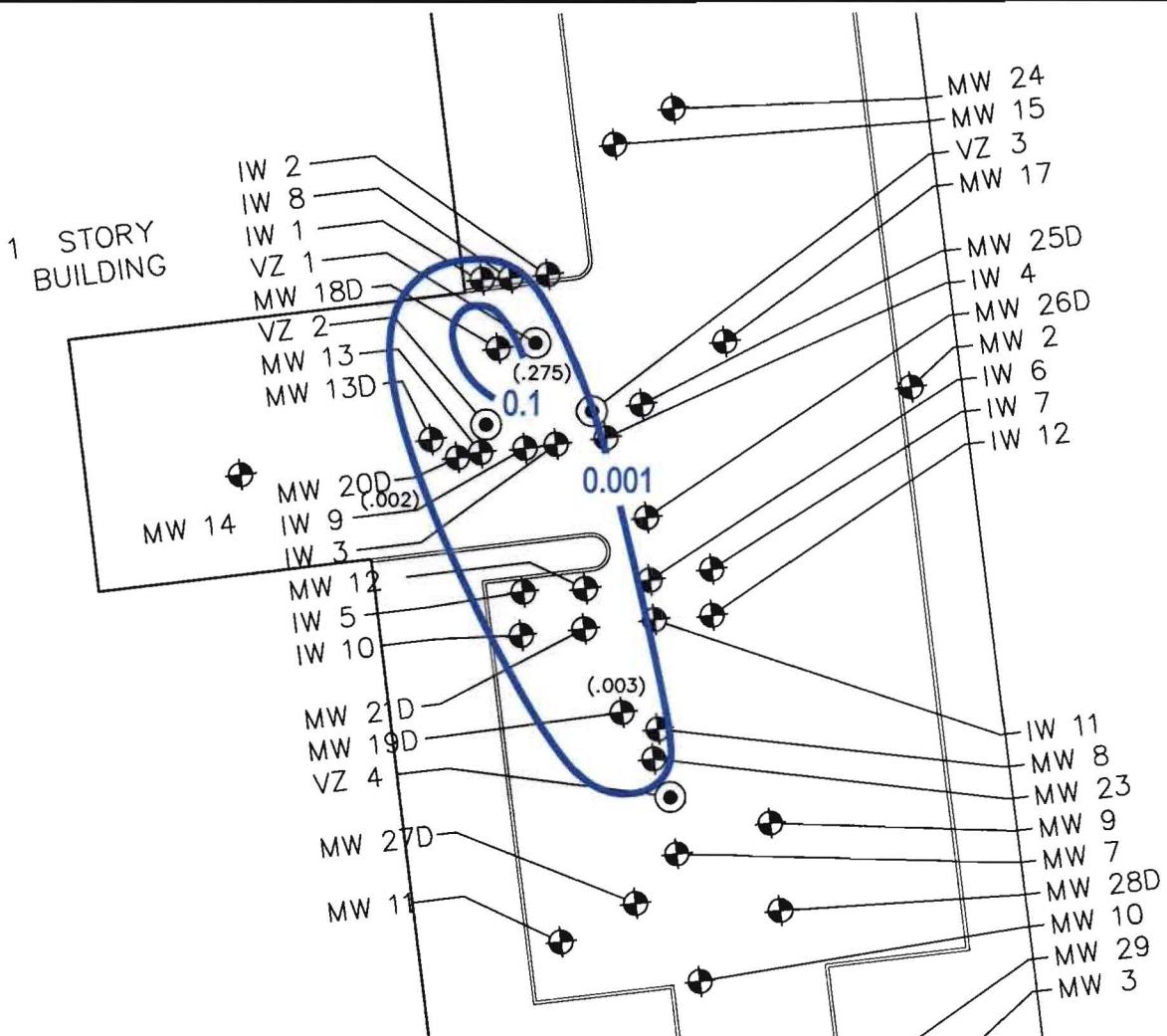


DRAWN A.G.	DATE 9/28/01	PROJECT MANAGER S. FELDMAN	DEPARTMENT MANAGER N. VALKENBURG
TVOC CONCENTRATION DISTRIBUTION IN THE SHALLOW AQUIFER ZONE (45-60 FT BLS) AUGUST 2001 25 MELVILLE PARK ROAD MELVILLE, NEW YORK WHCS MELVILLE, LLC.		LEAD DESIGN PROF.	CHECKED C.K.
PROJECT NUMBER	DRAWING NUMBER		
NY01332.01.02		3	

ROBINS SURVEYORS INC.



PULL TO EXPAND  
MAPS BY KARL V.



LEGEND

MW 19D (.003) LOCATION AND DESIGNATION OF MONITORING WELL AND ASSOCIATED TVOC CONCENTRATION (IN mg/L)

VZ 1 ○ LOCATION AND DESIGNATION OF VADOSE ZONE WELL

— 0.1 — LINE OF EQUAL CONCENTRATION OF TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC) IN mg/L (DASHED WHERE INFERRED)

MW 4

PARK

ROAD

0 30 60  
SCALE IN FEET

DRAWN A.G.	DATE 9/28/01	PROJECT MANAGER S. FELDMAN	DEPARTMENT MANAGER N. VALKENBURG
TVOC CONCENTRATION DISTRIBUTION IN THE DEEP AQUIFER ZONE (100-185 FT BLS) AUGUST 2001		LEAD DESIGN PROF. C.K.	CHECKED C.K.
PROJECT NUMBER	DRAWING NUMBER		
NY01332.01.02			5