Appendix G

MHI FEIS Response

B. *Geology*

1. *Existing Conditions*

a. Analyze and describe subsurface geologic conditions on site and in adjacent properties including overburden, depth to bedrock or other impermeable layer and depth to groundwater. Bedrock descriptions should include type(s) and sources(s).

On August 25, 2010, BME Associates performed several test pits throughout the site. Test pits ranged from 8 ft. to 12 ft. in depth where shale and "hardpan" layers were encountered preventing further excavation using an excavator. Seepage was encountered in some test pits, consistent with perched water in the saturated soil layers, and not actual ground water depth.

An analysis of the groundwater depths was done by Miller Hydrogeologic Incorporated (MH1). See Appendix D for full MHI report including BME Test Pit data. The information provided by MHI also confirms the test pit information. The information provided by MHI shows a layer of perched groundwater intermittently encountered that seems to flow down grade towards the northwest in a layer of sandy gravel which is underlain by a layer of "hardpan". This saturated soil layer is in the vicinity of the two existing ponds on-site.

The bedrock layer on-site falls to the west, and groundwater flow within the bedrock later is expected to flow towards the Wallkill River Valley. The bedrock layer is part of the Normanskill bedrock formation.

b. Identify any prominent or unique geologic features on or nearby the site.

There are no bedrock outcroppings on-site, or other prominent or unique geological features on-site. The largest geologic feature to the west is the Wallkill River Valley.

c. *Provide verification through local Government Agencies, New York State Department of Environmental Conservation and US Environmental Protection Agency as to the presence or absence of any waste sites on or adjacent to the parcel.*

A Phase I Environmental Site Assessment was performed by Fuss and O'Neill of New York, P.C. in 2006. According to this report two Leaking Underground Storage Tanks (LUST) were found within 0.5 miles of the subject property. The report also indicated that one of these LUST listings achieved a closed status, the other was still active. Both were found on the SUNY New Paltz Campus. Since the Fuss and O'Neil report was completed in 2006 the active LUST site has reached closure status with the NYSDEC. A copy of a letter from SUNY New Paltz to NYSDEC along with the spill record of the referenced tank is included in Appendix E along with the Fuss and O'Neil Report. Therefore both of the referenced LUST sites have received closure status from NYSDEC.

2. *Anticipated Impacts*

a. *Explain how the type and scope of construction being proposed might impact or be impacted by the geology of the site.*

The overall development of the site is designed to be constructed according to the constraints of the existing geology of the site. There are no substantial geologic features that will be impacted by the proposed site work.

b. *Describe how the project phasing might impact existing geologic conditions.*

The project phasing will not substantially impact the geology of the site. All earthwork and infrastructure will be constructed in consideration of existing geology and related topographic features of the site, together with a balancing of the earthwork on site.

The largest potential impacts to site construction are associated with the possible existence of high bedrock and perched groundwater conditions. The cuts and fills proposed for site grading are anticipated to be above the bedrock and perched groundwater levels. It is anticipated that some bedrock and perched water could be encountered at the rear of buildings 3 and 4 during storm sewer installation along the swale line. A toe drain may need to be installed along the swale line east of these buildings to safely convey any stormwater seepage from the pond to the stormwater management area B-1. The toe drain, if required, will be discharged to the storm sewer system that discharges to stormwater management pond B-1.

3. Proposed Mitigation

a. Describe alternatives or mitigation measures to any potential impacts that are identified.

No detailed mitigation measures are proposed as there are no prominent geologic features on-site that will be impacted by the construction. As described, a toe drain may need to be installed at the rear of buildings 3 and 4 if high bedrock/groundwater conditions are encountered.

E. <u>Groundwater</u>

1. Existing Conditions

a. Determine and discuss the average and seasonal high groundwater depth, anticipated area groundwater quality and any onsite or nearby use of groundwater for agricultural or potable purposes. Include the locations of any onsite or offsite wells within ¼ mile including depth and yield, if available, and or springs.

Groundwater flows across the site in both the shallow upper unconsolidated glacial material and the deeper underlying bedrock. Examination of deep test pit logs for the site indicates that in limited areas of the project site groundwater within the shallow unconsolidated material flows as a perched condition, with several deep test pits encountering saturated unconsolidated material at depths ranging from approximately

5.5 to 11 feet below land surface. Deep test pit logs are presented in Appendix D. Figure 1 in Appendix D (Note – all referenced Figures referenced in this section are located in Appendix D) shows the locations of the deep test pits used to establish the distribution, thickness and saturation of unconsolidated materials.

Figure 2 (Appendix D) shows the general location and elevations of the perched groundwater and general direction of perched groundwater flow. In general, the perched groundwater is located in the vicinity of two surface water ponds and topographically down gradient of the ponds. Examination of the deep test pit logs indicates that the perched water is generally located within what is described as "sandy gravel" which is underlain by "hardpan", or till. The general direction of the perched groundwater is generally toward the north-west with what appears to be a fairly uniform hydraulic gradient. Based on the mapped distribution of the perched groundwater shown in Figure 2 it is probable that the perched condition extends to the east of the site. Regardless of the hydraulic conductivity of the material that the perched groundwater is located within it is generally not considered a preferred source for domestic ground water supply due to its limited extent both vertically and aerially and limited groundwater storage capabilities. Contours of the thickness of the upper unconsolidated material are shown in Figure 3. The thickness of the unconsolidated material ranges from approximately 6 to 13.5 feet and generally averages approximately 8 feet.

Figure 4 (Appendix D) presents elevation contours of the bedrock surface. In general the bedrock surface dips fairly uniformly toward the west. Although no bedrock wells are located on the site groundwater flow within the bedrock is expected to be to the west, and toward the Wallkill River valley.

Although no bedrock wells are available on the site water level fluctuation data within the bedrock is available from a United States Geological Survey (USGS) groundwater monitoring well site located approximately 3500 feet northwest of the project site. (See Figure 7 for the monitoring well location in relation to the project site.) The USGS site identification number is 414429074052001 (local number U-1620, SUNY New Paltz, NY) and has been collecting daily groundwater elevation data since approximately December 2004. The well is completed within the Normanskill bedrock formation with a depth of 218 feet. Figure 5 presents a hydrograph of water level elevations for the USGS monitoring well. The graph has been subdivided into water years which represent the period from October through September.

Observed water levels within the bedrock monitoring well generally follow normal water level fluctuation cycles with groundwater levels increasing during the late winter and spring and early summer months and then generally declining during the late summer, fall and early winter months. The overall fluctuation in any water year is controlled by the distribution of total recharge over the period of record. In general, the total fluctuation of water levels for the bedrock aquifer is fairly consistent for each of the water years, with maximum fluctuations observed for the 2005 water year (note that this is only a partial record representative of January through September) and the minimum water level fluctuations observed for the 2009 water year.

Analysis of groundwater level fluctuations can be used to determine the aquifer's groundwater storage capabilities by comparing monthly averaged maximum, median and minimum water levels over several years of record. Figure 6 shows plots of these averaged values for the period of record shown in Figure 5 for the USGS bedrock monitoring well U-1620 SUNY New Paltz, NY. The plots show that water level fluctuations in the

bedrock aquifer are fairly uniform with an approximate 3.5 foot average water level fluctuation regardless of the groundwater water level condition. This suggests that the bedrock at this location has uniform groundwater storage or, in the case of fractured bedrock has an extensive interconnected fracture network for groundwater storage.

Groundwater quality data were collected from two off-site available wells, TW-1 and TW-2 completed in bedrock (see Appendix D for well locations) at the completion of individual eight hour step drawdown tests. The water quality samples were submitted to Severn Trent Laboratories, Newburgh, New York (NYSDOH 10142) and analyzed for the drinking water parameters as described in the NYSDOH Part 5water quality standards. Comparison of analytical laboratory results with the NYSDOH Part 5 water quality standards indicates no parameters to be above the maximum contaminant levels. Appendix D-1 presents the results of the water quality data.

There are currently no potable or agricultural uses of water on the project site or nearby. Off-site potable water uses are restricted to domestic water supplies which are outside the Village of New Paltz water district. Figure 7 shows potential domestic well locations within ¼ mile of the project site based on individual land parcels.

300' 0 300'

SCALE IN FEET
1"=300'

MILLER HYDROGEOLOGIC INCORPORATED

Project No.	*037-11*
Date:	*3/7/12*
SCALE:	*1"=300'*
Drawn By:	*KAH*

FIGURE 1

DEEP TEST HOLE LOCATIONS

PARK POINT NEW PALTZ
ULSTER COUNTY, NEW PALTZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-BASEMAP.dwg DATE: 3/7/12

300' 0 300'

SCALE IN FEET
1"=300'

MILLER HYDROGEOLOGIC INCORPORATED

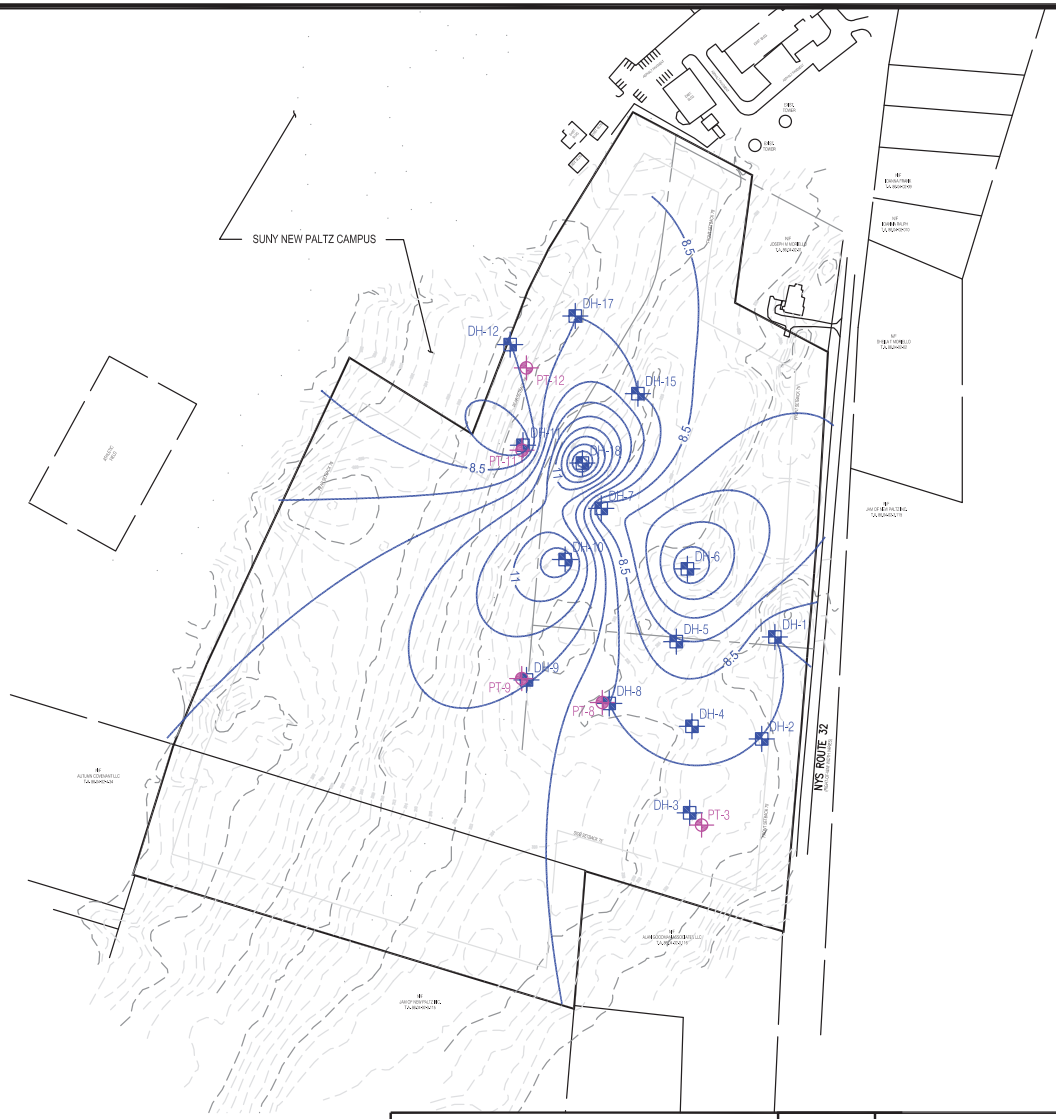
Project No.	*037-11*
Date:	*3/7/12*
SCALE:	*1"=300'*
Drawn By:	*KAH*

FIGURE 2

APPROXIMATE LOCATION OF PERCHED WATER AND GENERAL DIRECTION OF FLOW IN THE UNCONSOLIDATED MATERIAL

PARK POINT NEW PALTZ
ULSTER COUNTY, NEW PALTZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-PERCHED-WTR.dwg DATE: 3/7/12



300' 0 300'

SCALE IN FEET
1"=300'

MILLER HYDROGEOLOGIC INCORPORATED

Project No.	*037-11*
Date:	*3/7/12*
SCALE:	*1"=300'*
Drawn By:	*KAH*

FIGURE 3

THICKNESS OF UNCONSOLIDATED MATERIAL

PARK POINT NEW PALTZ
ULSTER COUNTY, NEW PALTZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-BEDROCK-DEPTH.dwg DATE: 3/7/12

300' 0 300'

SCALE IN FEET
1"=300'

MILLER HYDROGEOLOGIC INCORPORATED

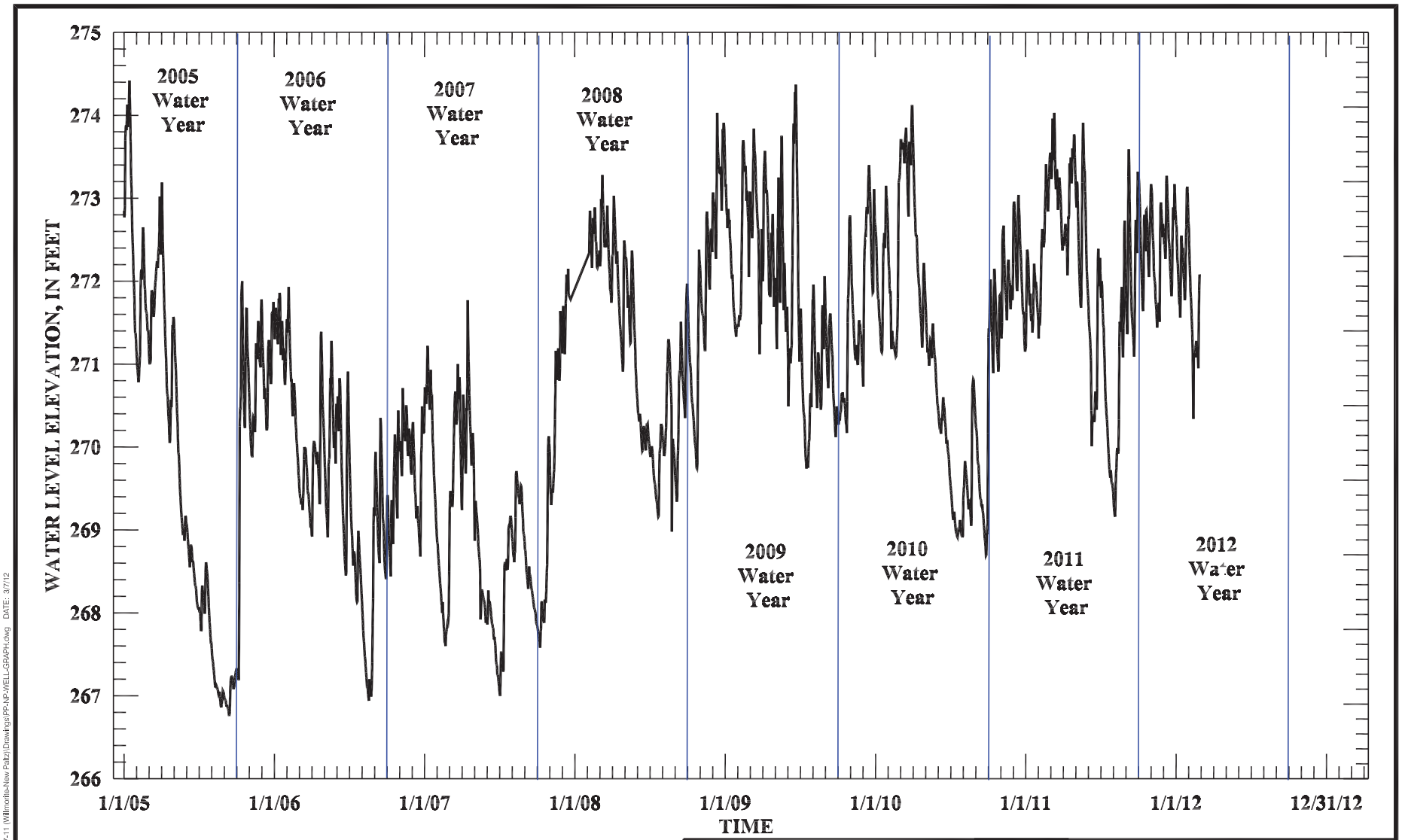
Project No.	*037-11*
Date:	*3/7/12*
SCALE:	*1"=300'*
Drawn By:	*KAH*

FIGURE 4

BEDROCK ELEVATION CONTOURS

PARK POINT NEW PALTZ
ULSTER COUNTY, NEW PALTZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-BEDROCK.dwg DATE: 3/7/12



MILLER HYDROGEOLOGIC INCORPORATED

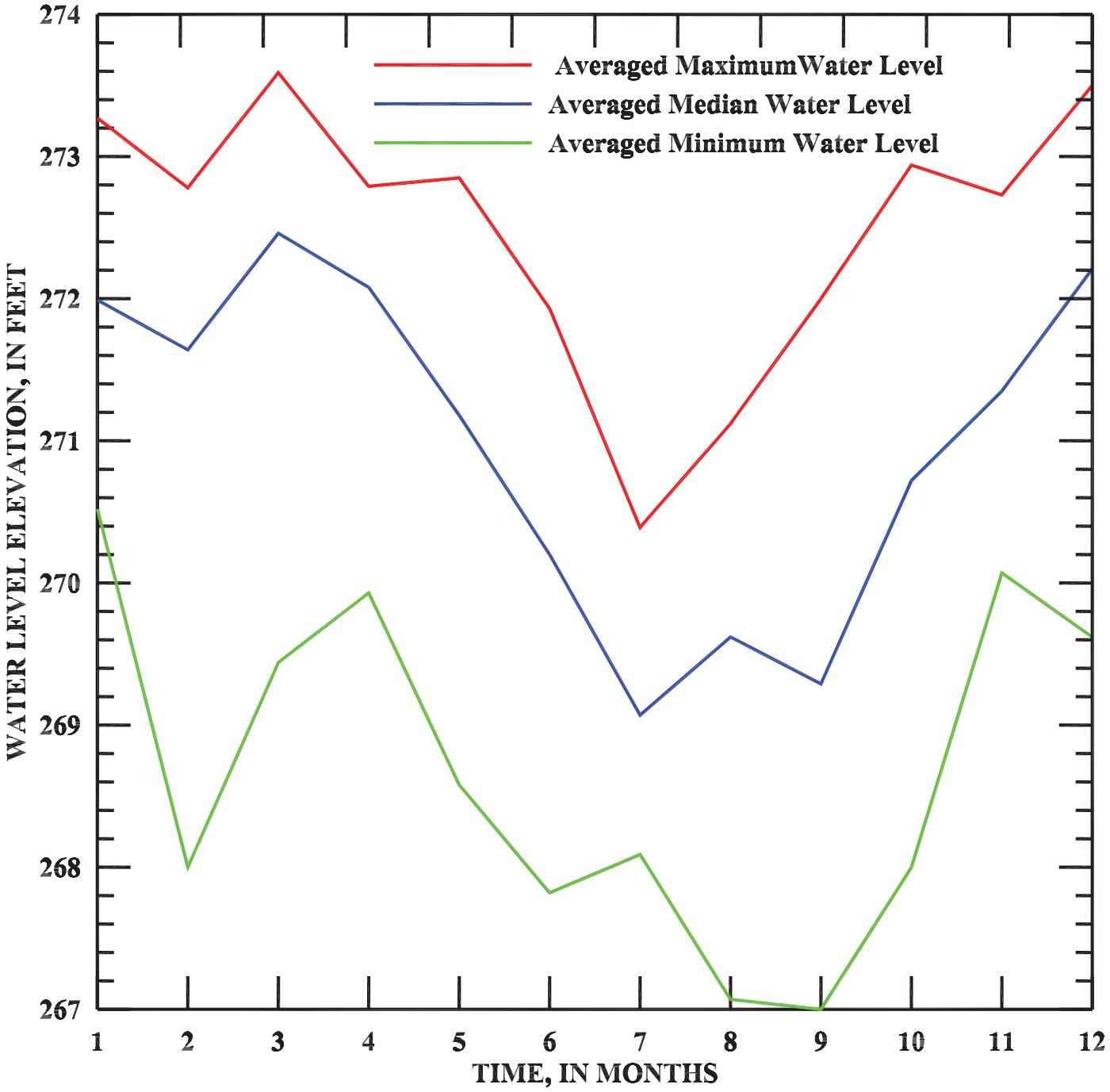
Project No.	037-11
Date:	3/7/12
SCALE:	AS SHOWN
Drawn By:	KAH

FIGURE 5

WATER LEVEL ELEVATIONS FOR USGS SITE No. 414429074052001

PARK POINT NEW PALTZ
ULSTER COUNTY, NEW PALTZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-NP-WELL-GRAPH.dwg DATE: 3/7/12



MILLER HYDROGEOLOGIC INCORPORATED

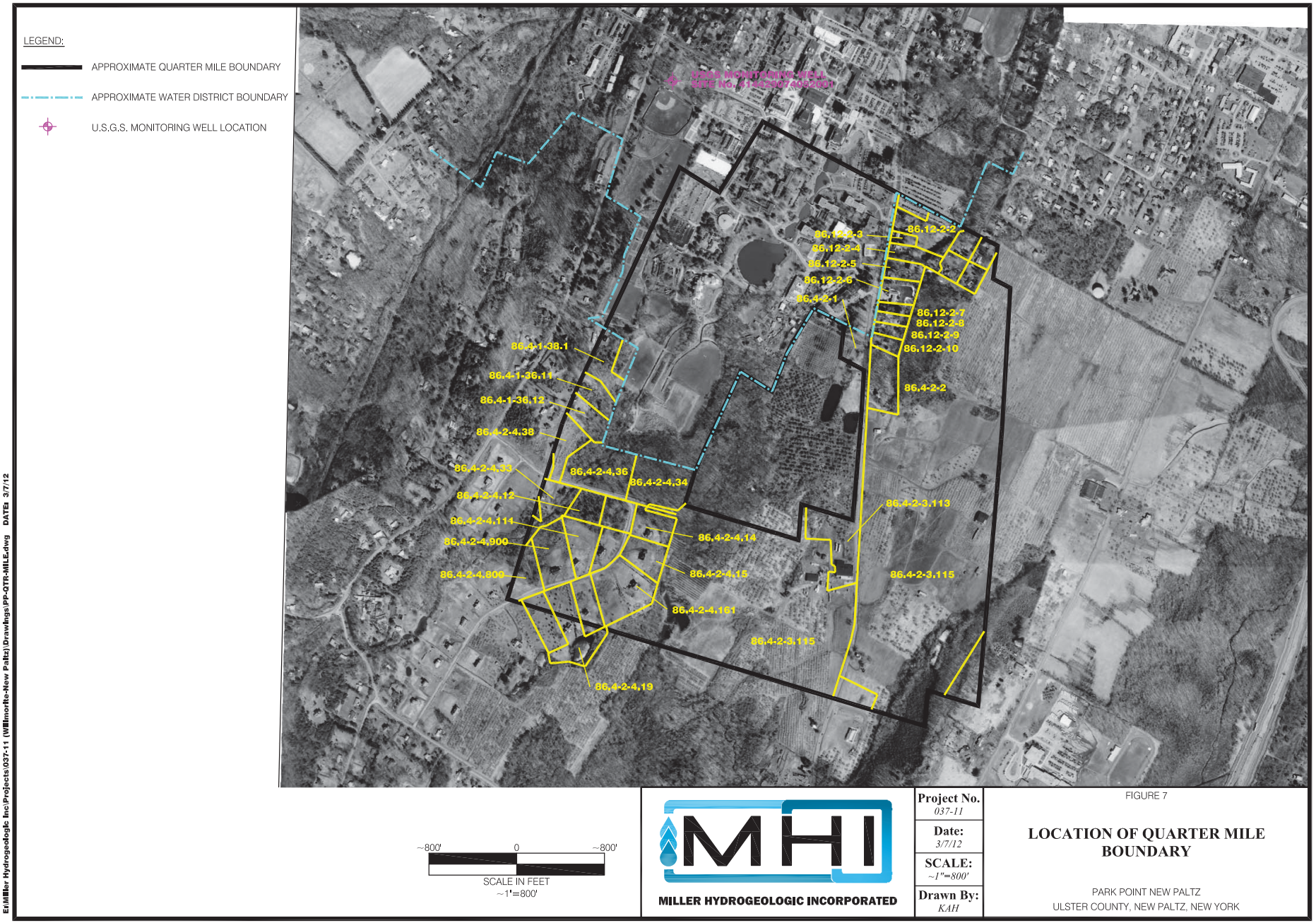
Project No.	*037-11*
Date:	*3/7/12*
SCALE:	*AS SHOWN*
Drawn By:	*KAH*

FIGURE 6

MONTHLY AVERAGED WATER LEVELS FOR USGS SITE No. 414429074052001

PARK POINT NEW PALTZ
ULSTER COUNTY, NEW PALTZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-GRAPH-WL-AVERAGE.dwg DATE: 3/7/12



MILLER HYDROGEOLOGIC INCORPORATED

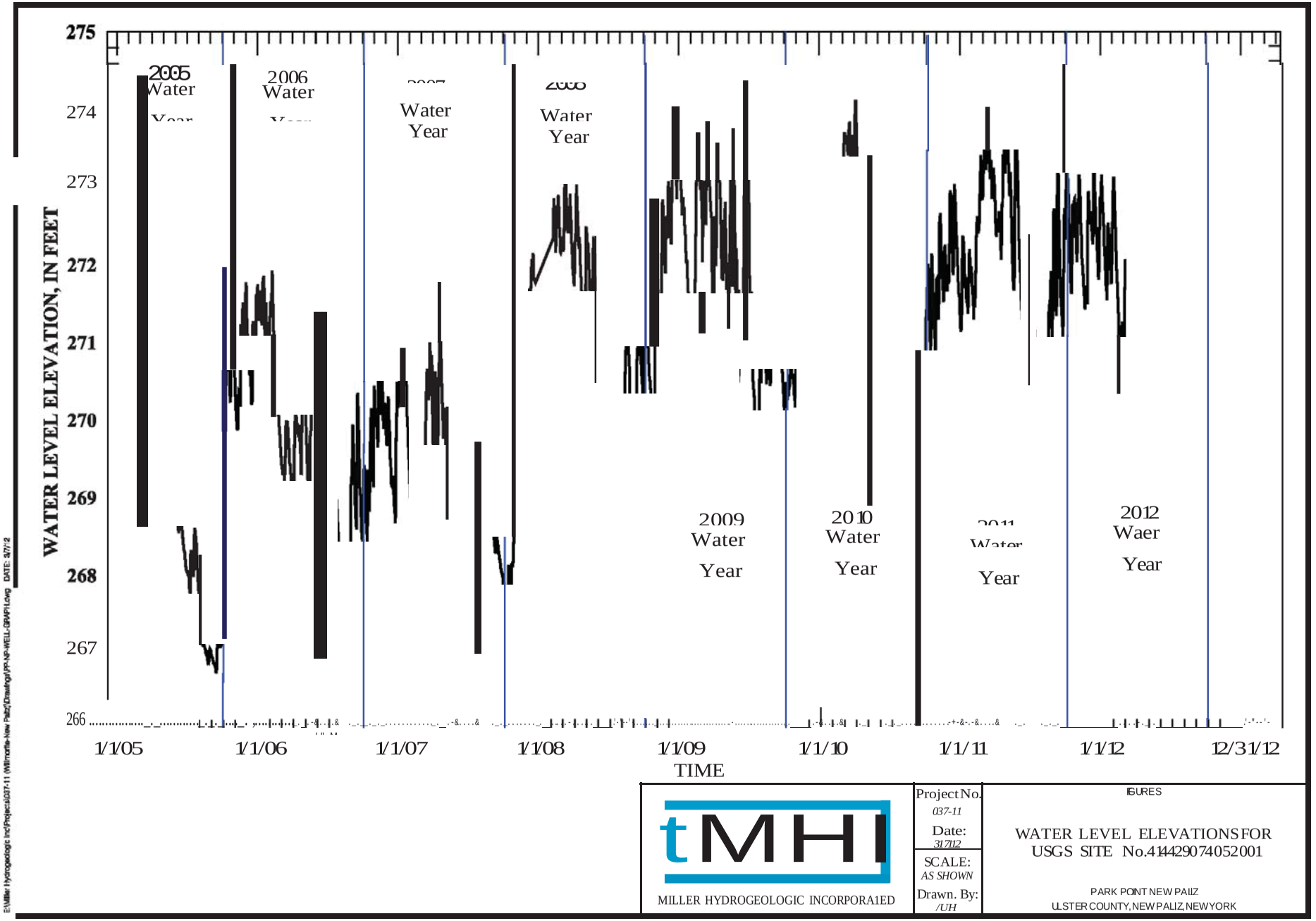
Project No.	037-11
Date:	3/7/12
SCALE:	~1"=800'
Drawn By:	KAH

FIGURE 7

LOCATION OF QUARTER MILE BOUNDARY

PARK POINT NEW PALTZ
ULSTER COUNTY, NEW PALTZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-QTR-MILE.dwg DATE: 3/7/12



tMHI

MILLER HYDROGEOLOGIC INCORPORA1ED

Project No. 037-11

Date: 317112

SCALE: AS SHOWN

Drawn. By: /UH

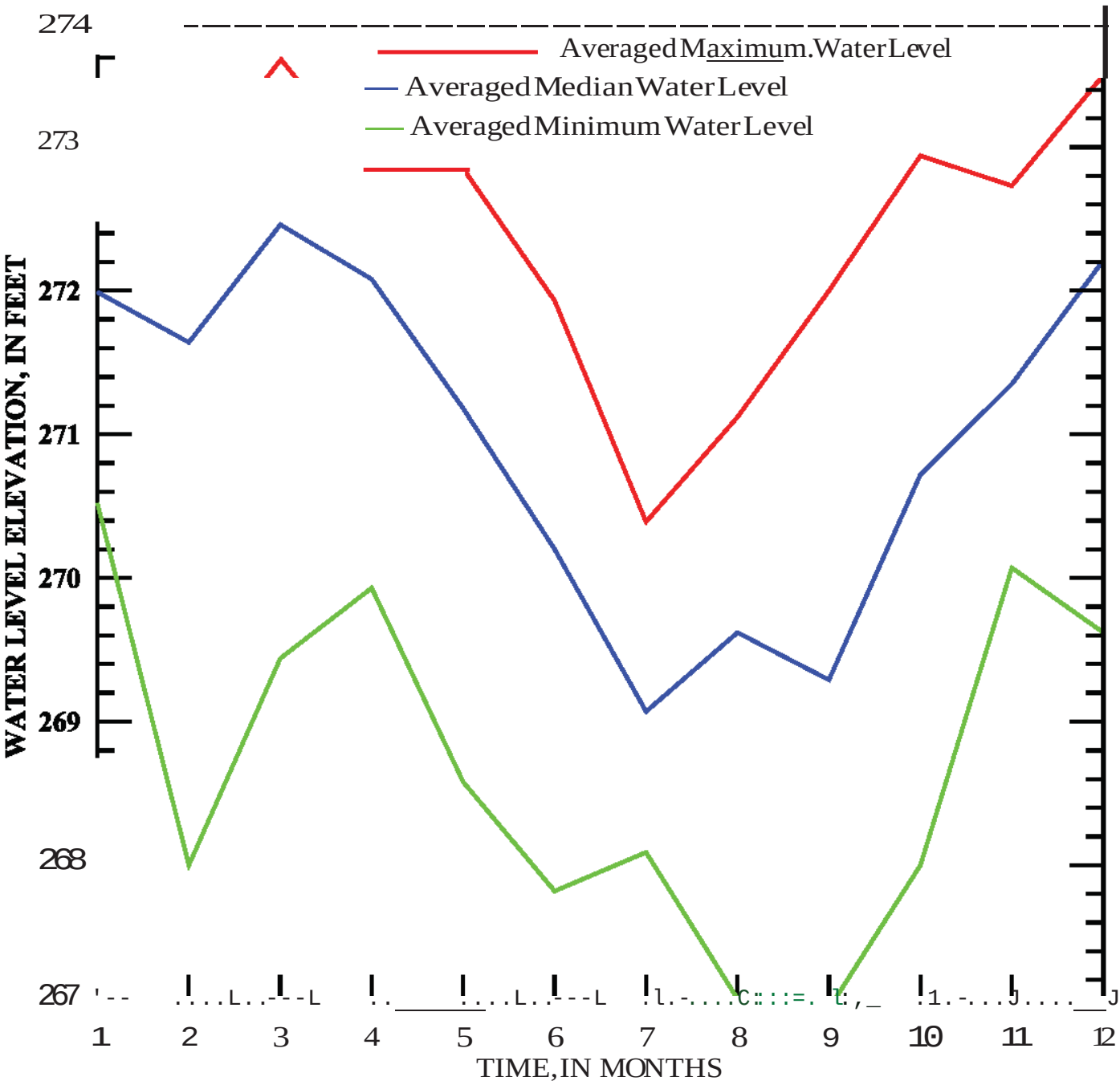
IGURES

WATER LEVEL ELEVATIONS FOR USGS SITE No.414429074052001

PARK POINT NEW PAIIZ

ULSTER COUNTY, NEW PALIZ, NEW YORK

E:\Miller Hydrogeologic Inc\Projects\037-11 (Willmorite-New Paltz)\Drawings\PP-NP-WELL-GRAPH.dwg DATE: 3/7/2



(Willmontte-New Paltz)\Drawings\PP-GRAPH-WL-AVERAGE.dwg DATE: 3/7/12

MILLER HYDRG8EOLOGIC INCORPORATED

Project No.

Date: 3n/12

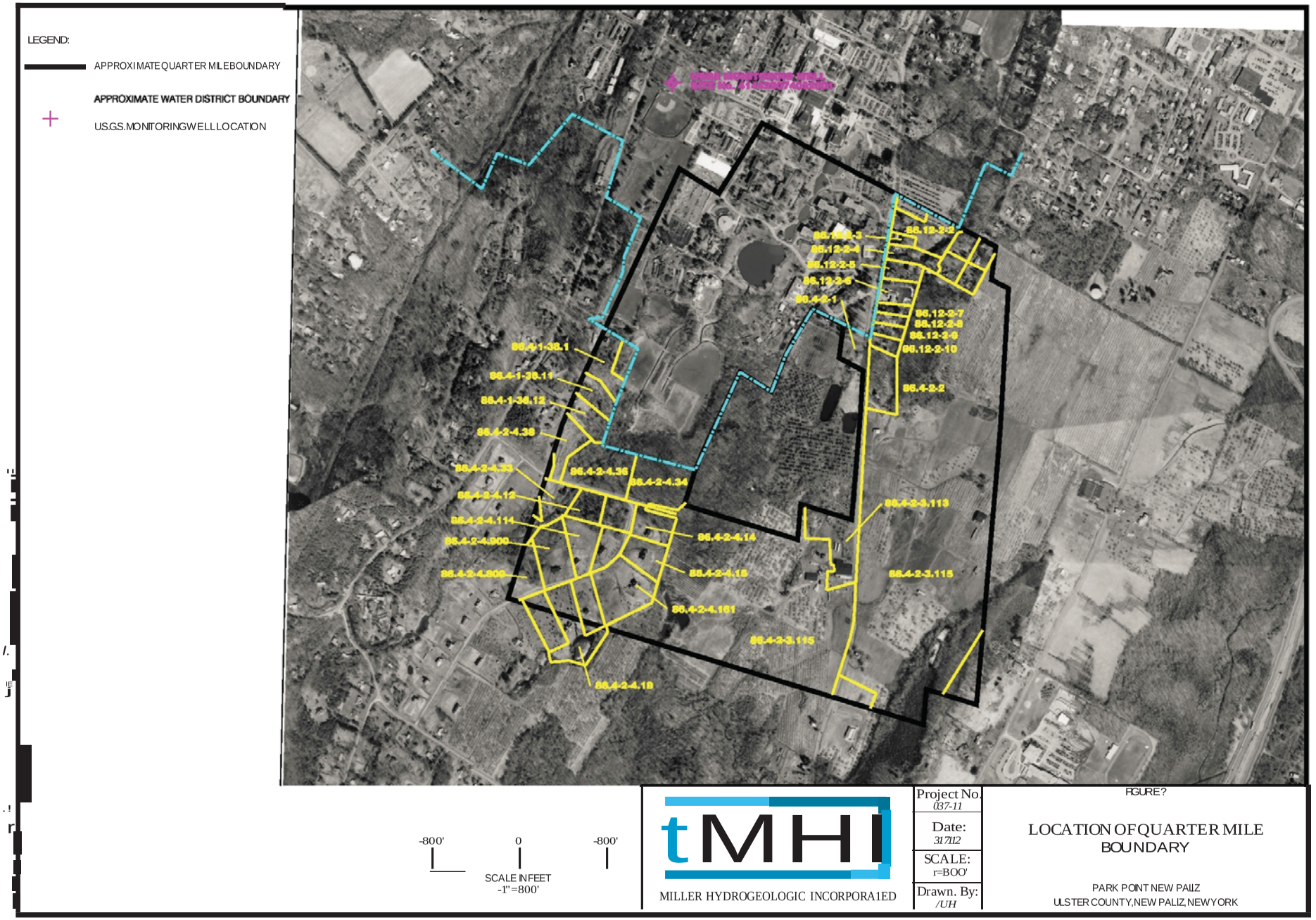
SCALE: AS SHOWN

Drawn By: KAH

FIGURE6

MONTHLY AVERAGED WATER LEVELS FOR USGS SITE No.414429074052001

PARK POINT NEW PALTZ
ULSTER COUNIY, NEW PALTZ, NEW YORK



tMHI

MILLER HYDROGEOLOGIC INCORPORA1ED

Project No.	037-11
Date:	317112
SCALE:	r=BOO'
Drawn. By:	/UH

FIGURE?

LOCATION OF QUARTER MILE BOUNDARY

PARK POINT NEW PALIZ
ULSTER COUNTY, NEW PALIZ, NEW YORK

Well Location and Analytical Results

LEGEND:

- APPROXIMATE SITE AND ADJOINING PROPERTY BOUNDARY LIMITS
- BEDROCK FRACTURE TRACE LINE
- EXISTING BEDROCK TEST WELL LOCATION
- ~30 gpm — WELL DRILLERS ESTIMATED WELL YIELD
- BELLA TERRA MONITORING WELL

-400' 0 400'

SCALE IN FEET

1" = 400'

MILLER HYDROGEOLOGIC INCORPORATED

Project No.	007-11
Date:	12/13/11
SCALE:	1" = 400'
Drawn By:	KAV

SHEET 1 OF 4

SITE BOUNDARIES, BEDROCK FRACTURE TRACE, EXISTING TEST WELL AND MONITORING WELL LOCATIONS

PARK POINT

ULSTER COUNTY, NEW PALTZ, NEW YORK

APPENDIX E

WATER QUALITY DATA

EnviroTest Laboratories Inc.

ANALYTICAL REPORT

Job Number: 420-56846-1

SDG Number: Willmorite, New Paltz, NY 037-11

Job Description: Miller Hydrogeologic, Inc.

For:
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Attention: Mr. Robert Miller

Debra Bayer
Customer Service Manager
dbayer@envirotestlaboratories.com
08/01/2012

EnviroTest Laboratories, Inc. Certifications and Approvals: NELAP Accredited, NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554, EPA NY00049.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 524.2: The laboratory control standard (LCS) for batch 57659 exceeded control limits for the analytes indicated by an asterisk (*) on the results form. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported with confidence of no false negatives.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method SM 4500 H+ B: The holding time for pH is 15 minutes, the samples were received outside of the holding time.

No other analytical or quality issues were noted.

Biology
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Odor (Threshold Odor, Consistent Series)	EnvTest	MCAWW 140.1	
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
ICPMS Metals by 200.8	EnvTest	EPA 200.8	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Apparent Color	EnvTest	SM21 2120B	
Mercury in Water by CVAA	EnvTest	EPA 245.1	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
EPA 504.1 EDB		EPA 504.1	
EPA 505 Pesticide/PCB		EPA 505	
EPA 515 Chlorinated Acids		EPA 515	
Purgeable Organic Compounds in Water by GC/MS	EnvTest	EPA-DW 524.2	
EPA 525.2 Semivolatile Organics		EPA 525.2	
EPA 531.1 Carbamate Pesticides in Drinki		EPA 531.1	
Turbidity	EnvTest	SM20 SM 2130B	
Alkalinity, Titration Method	EnvTest	SM18 SM 2320B	
Corrosivity LSI Calculation	EnvTest	SM20 SM 2330B	
Hardness by Calculation	EnvTest	SM20 SM 2340B	
Total Dissolved Solids (Dried at 180 °C)	EnvTest	SM18 SM 2540C	
Chloride by Silver Nitrate Titration	EnvTest	SM18 SM 4500 Cl- B	
Cyanide, Total: Colorimetric Method	EnvTest	SM18 SM 4500 CN E	
Cyanide: Distillation	EnvTest		SM18 SM 4500 CN C
pH	EnvTest	SM19 SM 4500 H+ B	
Total Coliform and Escherichia coli by Colilert - Presence/Absence	EnvTest	SMWW SM 9223	
General Sub Contract Method		Subcontract	
General Sub Contract Method	S.E.T.	Subcontract	

Lab References:

=

EnvTest = EnviroTest

S.E.T. = Summit Environmental Technologies, Inc.

METHOD SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Description	Lab Location	Method	Preparation Method

Method References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SM19 = "Standard Methods For The Examination Of Water And Wastewater", 19Th Edition, 1995."

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SM21 = "Standard Methods For The Examination Of Water And Wastewater", 21st Edition

SMWW = "Standard Methods for the Examination of Water and Wastewater"

METHOD / ANALYST SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Method	Analyst	Analyst ID
EPA-DW 524.2	Fatum, Shannon A	SAF
EPA 200.7 Rev 4.4	El Sayed, Tamer A	TAE
EPA 200.8	El Sayed, Tamer A	TAE
EPA 245.1	McPhillips, Julie	JM
SM20 SM 2340B	El Sayed, Tamer A	TAE
MCAWW 140.1	Sepulveda, Christine	CS
SM21 2120B	Sepulveda, Christine	CS
MCAWW 300.0	Sutcliffe, Bethany L	BLS
SM20 SM 2130B	Harmon, Kelly	KH
SM18 SM 2320B	DeGroat, Kerri	KD
SM20 SM 2330B	Pistole, Maria	MP
SM18 SM 2540C	Cusack, Renee	RC
SM18 SM 4500 Cl- B	El Sayed, Tamer A	TAE
SM18 SM 4500 CN E	Sutcliffe, Bethany L	BLS
SM19 SM 4500 H+ B	Harmon, Kelly	KH
SMWW SM 9223	Sepulveda, Christine	CS

SAMPLE SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-56846-1	TW-1	Drinking Water	07/09/2012 1600	07/10/2012 0830

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-1**
Lab Sample ID: **420-56846-1**

Date Sampled: 07/09/2012 1600
Date Received: 07/10/2012 0830
Client Matrix: Drinking Water
Percent Solids:

Analyte	Result/Qualifier		Unit	NONE	Dilution
Method: SM 9223			Date Analyzed:	07/10/2012 1735	
Coliform, Total	Present	g	CFU/100mL		1.0
Escherichia coli	Absent		CFU/100mL		1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-1**
Lab Sample ID: **420-56846-1**

Date Sampled: 07/09/2012 1600
Date Received: 07/10/2012 0830
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: 2120B		Date Analyzed:	07/10/2012 1824		
Apparent Color	2.5	Color Units			1.0
Method: SM 2330B		Date Analyzed:	07/23/2012 1048		
Langelier Index	-0.10	NONE			1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-1**
Lab Sample ID: **420-56846-1**

Date Sampled: 07/09/2012 1600
Date Received: 07/10/2012 0830
Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 524.2			Date Analyzed:	07/10/2012 1552		
1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1,1-Trichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1,2-Trichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1-Dichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1-Dichloroethene	0.50	U	ug/L	0.50	0.50	1.0
1,1-Dichloropropene	0.50	U	ug/L	0.50	0.50	1.0
1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2,3-Trichloropropane	0.50	U	ug/L	0.50	0.50	1.0
1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2-Dichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2-Dichloropropane	0.50	U	ug/L	0.50	0.50	1.0
1,3-Dichloropropane	0.50	U	ug/L	0.50	0.50	1.0
1,4-Dichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
2,2-Dichloropropane	0.50	U	ug/L	0.50	0.50	1.0
Benzene	0.50	U	ug/L	0.50	0.50	1.0
Bromobenzene	0.50	U	ug/L	0.50	0.50	1.0
Bromochloromethane	0.50	U	ug/L	0.50	0.50	1.0
Bromomethane	0.50	U	ug/L	0.50	0.50	1.0
n-Butylbenzene	0.50	U	ug/L	0.50	0.50	1.0
cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	0.50	1.0
cis-1,3-Dichloropropene	0.50	U *	ug/L	0.50	0.50	1.0
Carbon tetrachloride	0.50	U	ug/L	0.50	0.50	1.0
Chlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
Chloroethane	0.50	U	ug/L	0.50	0.50	1.0
Chloromethane	0.50	U	ug/L	0.50	0.50	1.0
Dibromomethane	0.50	U	ug/L	0.50	0.50	1.0
Ethylbenzene	0.50	U	ug/L	0.50	0.50	1.0
Dichlorodifluoromethane	0.50	U	ug/L	0.50	0.50	1.0
Hexachlorobutadiene	0.50	U	ug/L	0.50	0.50	1.0
Isopropylbenzene	0.50	U	ug/L	0.50	0.50	1.0
p-Isopropyltoluene	0.50	U	ug/L	0.50	0.50	1.0
Methylene Chloride	0.50	U	ug/L	0.50	0.50	1.0
m-Xylene & p-Xylene	0.50	U	ug/L	0.50	0.50	1.0
Methyl tert-butyl ether	0.50	U	ug/L	0.50	0.50	1.0
o-Xylene	0.50	U	ug/L	0.50	0.50	1.0
Tetrachloroethene	0.50	U	ug/L	0.50	0.50	1.0
Toluene	0.50	U	ug/L	0.50	0.50	1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-1**
Lab Sample ID: **420-56846-1**

Date Sampled: 07/09/2012 1600
Date Received: 07/10/2012 0830
Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	0.50	1.0
trans-1,3-Dichloropropene	0.50	U *	ug/L	0.50	0.50	1.0
Trichloroethene	0.50	U	ug/L	0.50	0.50	1.0
tert-Butylbenzene	0.50	U	ug/L	0.50	0.50	1.0
Trichlorofluoromethane	0.50	U	ug/L	0.50	0.50	1.0
Vinyl chloride	0.50	U	ug/L	0.50	0.50	1.0
Xylenes, Total	0.50	U	ug/L	0.50	0.50	1.0
Styrene	0.50	U	ug/L	0.50	0.50	1.0
sec-Butylbenzene	0.50	U	ug/L	0.50	0.50	1.0
1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	0.50	1.0
N-Propylbenzene	0.50	U	ug/L	0.50	0.50	1.0
1,3-Dichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
2-Chlorotoluene	0.50	U	ug/L	0.50	0.50	1.0
4-Chlorotoluene	0.50	U	ug/L	0.50	0.50	1.0

Surrogate			Acceptance Limits
4-Bromofluorobenzene	76	%	71 - 112
Toluene-d8 (Surr)	91	%	79 - 121
1,2-Dichloroethane-d4 (Surr)	110	%	70 - 128

Tentatively Identified Compounds			Cas Number	RT	
Tentatively Identified Compound	None	ug/L		0.00	1.0

Method: 200.7 Rev 4.4 Date Analyzed: 07/16/2012 1326
Prep Method: 200 Date Prepared: 07/13/2012 1409

Iron	60	U	ug/L	60	60	1.0
Manganese	180		ug/L	10	10	1.0
Sodium	11000		ug/L	200	200	1.0
Zinc	20	U	ug/L	20	20	1.0

Method: 200.7 Rev 4.4 Date Analyzed: 07/17/2012 1800
Prep Method: 200.7 Date Prepared: 07/12/2012 1014

Silver	10	U	ug/L	10	10	1.0

Method: 200.8 Date Analyzed: 07/16/2012 1300
Prep Method: 200 Date Prepared: 07/13/2012 1409

Arsenic	1.4	U	ug/L	1.4	1.4	1.0
Beryllium	0.30	U	ug/L	0.30	0.30	1.0
Cadmium	1.0	U	ug/L	1.0	1.0	1.0
Chromium	7.0	U	ug/L	7.0	7.0	1.0
Nickel	3.4		ug/L	0.50	0.50	1.0
Antimony	0.40	U	ug/L	0.40	0.40	1.0
Thallium	0.30	U	ug/L	0.30	0.30	1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-1**
Lab Sample ID: **420-56846-1**

Date Sampled: 07/09/2012 1600
Date Received: 07/10/2012 0830
Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Barium	85		ug/L	2.0	2.0	1.0
Selenium	5.8		ug/L	2.0	2.0	1.0
Method: 245.1			Date Analyzed:		07/18/2012 1431	
Prep Method: 245.1			Date Prepared:		07/18/2012 0900	
Hg	0.20	U	ug/L	0.20	0.20	1.0
Method: SM 2340B			Date Analyzed:		07/16/2012 1254	
Calcium hardness as calcium carbonate	120		mg/L	1.3	1.3	1.0
Total Hardness (as CaCO3)	210		mg/L	3.3	3.3	1.0
Ca	47		mg/L	0.50	0.50	1.0
Mg	24		mg/L	0.50	0.50	1.0
Method: 140.1			Date Analyzed:		07/10/2012 1818	
Odor	1.0		Units for Odor	1.0	1.0	1.0
Method: 300.0			Date Analyzed:		07/10/2012 1555	
Nitrate as N	0.25	U	mg/L	0.25	0.25	1.0
Nitrite as N	0.25	U	mg/L	0.25	0.25	1.0
Fluoride	0.50	U	mg/L	0.50	0.50	1.0
Method: 300.0			Date Analyzed:		07/11/2012 1532	
Sulfate	35		mg/L	10	10	2.0
Method: SM 2130B			Date Analyzed:		07/17/2012 1650	
Turbidity	0.42		NTU	0.10	0.10	1.0
Method: SM 2320B			Date Analyzed:		07/20/2012 1725	
Alkalinity	180		mg/L	5.0	5.0	1.0
Method: SM 2540C			Date Analyzed:		07/15/2012 1000	
Total Dissolved Solids	250		mg/L	5.0	5.0	1.0
Method: SM 4500 Cl- B			Date Analyzed:		07/12/2012 1615	
Chloride	5.0	U	mg/L	5.0	5.0	1.0
Method: SM 4500 CN E			Date Analyzed:		07/23/2012 1400	
Prep Method: SM 4500 CN C			Date Prepared:		07/17/2012 1000	
Cyanide, Total	0.0050	U	mg/L	0.0050	0.0050	1.0
Method: SM 4500 H+ B			Date Analyzed:		07/17/2012 1217	
pH	7.73	H	SU	0.200	0.200	1.0
Temp @ pH Measurement	14.0		Degrees C	5.00	5.00	1.0

DATA REPORTING QUALIFIERS

Client: Miller Hydrogeologic, Inc.

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	U	The analyte was analyzed for but not detected at or above the stated limit.
Metals		
	U	The analyte was analyzed for but not detected at or above the stated limit.
General Chemistry		
	H	Sample was prepped or analyzed beyond the specified holding time
	U	The analyte was analyzed for but not detected at or above the stated limit.
Biology		
	g	Result fails applicable NYS drinking water standards

Definitions and Glossary

Client: Miller Hydrogeologic, Inc. Job Number: 420-56846-1

Sdg Number: Willmorite, New Paltz, NY 037-11

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

EnviroTest Laboratories, Inc.

CHAIN OF CUSTODY

REPORT# (Lab Use Only): 56846

Lab Name: EnviroTest Laboratories
Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE: Willmerite	PROJECT NO.: 037-4	PROJECT LOCATION: New Paltz, NY
ENVIROTEST PROJECT MANAGER: Debra Bayer	P.O. NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: Robert Miller	CLIENT PHONE: 524-2059	CLIENT FAX:
CLIENT NAME: Miller Hydrogeologic, Inc.		
CLIENT ADDRESS: PO Box 996, Pine Bush, NY 12566		
COMPANY CONTRACTING THIS WORK (if applicable): 1		

PAGE 1 of 1

TURNAROUND TIME: NORMAL ✓ ; QUICK ____ ; VERBAL ____

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	250ml plastic nitric	40ml Vials HCL	Liter Amber HCl/Sod.Sulfite	Liter Amber Sod. Thio	Liter Amber	Liter Plastic Nitric Acid	40ml Vial Sod. Thio	Liter Plastic	250ml Plastic Sodium Hyd.	250ml Amber	60 ml Mono/Sod. Thio	500 Brown Plastic	REMARKS
								NUMBER OF CONTAINERS SUBMITTED												
7/9/12	4:00PM	TW-1	G	✓				2	3	3	2	2	5	4	4	1	1	1	1	Table 8B(Sb,As,Ba,Be,Cd,Cr,
																				Cn,Hg,Ni,Se,Tl,F)
																				Table 8C(NO3,NO2)
																				Table 8D(Cl,Fe,Mn,Ag,Na,SO4,
																				Zn,Color,Odor)
								Additional containers												Table 9B(524.2 + TIC's
								1-125ml sterile												including MTBE,Vinyl Chloride)
								2-60ml Amber Sodium Thio.												Table 9C(504,505,515,531,525,
								32 Total Containers												547, 548, 549, Dioxin)
																				Asbestos, Total coli(P/A)
																				Radio (Alpha,Beta,226/228, Uranium)
														4°						Hard, Corros Turb 7/17/12 DB

#OF COOLERS

REMARKS

RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
SAMPLED BY: (SIGNATURE) Robert T. Miller	COMPANY MHE	DATE 7/9/12	TIME 4:00PM	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE) Robert T. Miller	COMPANY MHE	DATE 7/10/12	TIME 8:30 AM	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	Cooler Temp.:	LABORATORY REMARKS: ICE ✓ pH____ CL2____ Reviewed by____
Ian Mane	7/10/12	0830		4.4°C	

08/01/2012

Page 14 of 15

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Miller Hydrogeologic, Inc.

Job Number: 420-56846-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Login Number: **56846**

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	4.4 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

H 2 M labs
575 Broad Hollow Road , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...
Type : Potable Water
Origin:

EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Attn To : Debra Bayer

Lab No. : 1207438-001

Client Sample ID. : TW-1 (420-56846-1)

Federal ID :
Collected : 7/9/2012 4:00:00 PM Point No:
Received : 7/11/2012 10:16:00 AM Location:
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,2-Dibromo-3-chloropropane	< 0.01		1	µg/L	0.2	E504.1	07/12/2012 9:56 PM
1,2-Dibromo-3-chloropropane	< 0.01		1	µg/L	0.2	E504.1	07/12/2012 9:56 PM
1,2-Dibromo-3-chloropropane	< 0.01		1	µg/L	0.2	E504.1	07/12/2012 9:56 PM
1,2-Dibromo-3-chloropropane	< 0.01		1	µg/L	0.2	E504.1	07/12/2012 9:56 PM
1,2-Dibromoethane	< 0.01		1	µg/L	0.05	E504.1	07/12/2012 9:56 PM
1,2-Dibromoethane	< 0.01		1	µg/L	0.05	E504.1	07/12/2012 9:56 PM
1,2-Dibromoethane	< 0.01		1	µg/L	0.05	E504.1	07/12/2012 9:56 PM
1,2-Dibromoethane	< 0.01		1	µg/L	0.05	E504.1	07/12/2012 9:56 PM
Alachlor	< 0.20		1	µg/L	2	E505	07/16/2012 6:55 PM
Aldrin	< 0.025		1	µg/L	5	E505	07/16/2012 6:55 PM
Chlordane	<0.20	r	1	µg/L	2	E505	07/16/2012 6:55 PM
Dieldrin	< 0.050		1	µg/L	5	E505	07/16/2012 6:55 PM
Endrin	< 0.010		1	µg/L	2	E505	07/16/2012 6:55 PM
Heptachlor	< 0.025		1	µg/L	0.4	E505	07/16/2012 6:55 PM
Heptachlor epoxide	< 0.020		1	µg/L	0.2	E505	07/16/2012 6:55 PM
Hexachlorobenzene	< 0.10		1	µg/L	1	E505	07/16/2012 6:55 PM
Hexachlorocyclopentadiene	< 0.10		1	µg/L	5	E505	07/16/2012 6:55 PM
Lindane	< 0.020		1	µg/L	0.2	E505	07/16/2012 6:55 PM
Methoxychlor	< 0.10		1	µg/L	40	E505	07/16/2012 6:55 PM
Total PCBs	< 0.40		1	µg/L	0.5	E505	07/16/2012 6:55 PM
Toxaphene	<1.0	r	1	µg/L	3	E505	07/16/2012 6:55 PM
Surr: Decachlorobiphenyl	186	S	1	%REC	30-150	E505	07/16/2012 6:55 PM
Surr: Tetrachloro-m-xylene	120		1	%REC	30-150	E505	07/16/2012 6:55 PM
2,4,5-TP (Silvex)	< 0.13		1	µg/L	10	E515.1	07/25/2012 11:42 AM
2,4-D	< 0.10		1	µg/L	50	E515.1	07/25/2012 11:42 AM
Dalapon	< 0.70		1	µg/L	50	E515.1	07/25/2012 11:42 AM
Dicamba	< 1.0		1	µg/L	50	E515.1	07/25/2012 11:42 AM
Dinoseb	< 0.20		1	µg/L	7	E515.1	07/25/2012 11:42 AM
Pentachlorophenol	< 0.040		1	µg/L	1	E515.1	07/25/2012 11:42 AM
Picloram	< 0.10		1	µg/L	50	E515.1	07/25/2012 11:42 AM
Surr: DCAA	90.6		1	%REC	70-130	E515.1	07/25/2012 11:42 AM
3-Hydroxycarbofuran	< 1.0		1	µg/L	50	E531.1	07/18/2012 7:30 AM
Aldicarb	< 0.50		1	µg/L	3	E531.1	07/18/2012 7:30 AM
Aldicarb sulfone	< 0.80		1	µg/L	2	E531.1	07/18/2012 7:30 AM
Aldicarb sulfoxide	< 0.50		1	µg/L	4	E531.1	07/18/2012 7:30 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound
Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Joann M. Slavin
Laboratory Manager

Date Reported : 7/27/2012

H2M labs
575 Broad Hollow Road , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...
Type : Potable Water
Origin:

EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Attn To : Debra Bayer

Lab No. : 1207438-001

Client Sample ID. : TW-1 (420-56846-1)

Federal ID :
Collected : 7/9/2012 4:00:00 PM Point No:
Received : 7/11/2012 10:16:00 AM Location:
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Carbaryl	< 1.0		1	µg/L	50	E531.1	07/18/2012 7:30 AM
Carbofuran	< 0.90		1	µg/L	40	E531.1	07/18/2012 7:30 AM
Methomyl	< 1.0		1	µg/L	50	E531.1	07/18/2012 7:30 AM
Oxamyl	< 1.0		1	µg/L	50	E531.1	07/18/2012 7:30 AM
Surr: BDMC	97.0		1	%REC	68-119	E531.1	07/18/2012 7:30 AM
Glyphosate	< 6.0		1	µg/L	50	E547	07/13/2012 3:16 AM
Diquat	<0.40	r	1	µg/L	20	E549.2	07/17/2012
Atrazine	< 0.10		1	µg/L	3	E525.2	07/24/2012 5:14 PM
Benzo(a)pyrene	<0.02	r	1	µg/L	0.2	E525.2	07/24/2012 5:14 PM
bis(2-Ethylhexyl)adipate	< 0.60		1	µg/L	50	E525.2	07/24/2012 5:14 PM
Bis(2-ethylhexyl)phthalate	< 0.60		1	µg/L	6	E525.2	07/24/2012 5:14 PM
Butachlor	< 1.0		1	µg/L	50	E525.2	07/24/2012 5:14 PM
Metolachlor	< 1.0		1	µg/L	50	E525.2	07/24/2012 5:14 PM
Metribuzin	< 0.50		1	µg/L	50	E525.2	07/24/2012 5:14 PM
Propachlor	< 1.0		1	µg/L	50	E525.2	07/24/2012 5:14 PM
Simazine	<0.07	r	1	µg/L	4	E525.2	07/24/2012 5:14 PM
Surr: 4-Terphenyl-d14	212	S	1	%REC	77-143	E525.2	07/24/2012 5:14 PM
Surr: Dimethylnitrobenzene	172	S	1	%REC	70-130	E525.2	07/24/2012 5:14 PM
Surr: Perylene-d12	57.4	S	1	%REC	70-130	E525.2	07/24/2012 5:14 PM
Surr: Pyrene-d10	15.8	S	1	%REC	70-130	E525.2	07/24/2012 5:14 PM
Surr: Triphenylphosphate	138	S	1	%REC	70-130	E525.2	07/24/2012 5:14 PM

NOTES:
Due to poor internal standard (ISTD) response, Dimethylnitrobenzene was quantified using the ISTD response of the method blank. MS extraction confirmed matrix caused quenching of the ISTD and poor surrogate recovery.

Endothall	< 9.0		1	ug/L	50	E548.1	07/18/2012 3:12 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound
Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Joann M. Slavin
Laboratory Manager

Date Reported : 7/27/2012

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **ENV** Date and Time Received: **7/11/2012 10:16:00 AM**

Work Order Number: **1207438** RcptNo: **1** Received by: **LindsayPacelli**

Completed by: Lindsay Pacelli Reviewed by: Stu Murrell

Completed Date: 7/11/2012 10:51:29 AM Reviewed Date: 7/12/2012 10:31:22 AM

Carrier name: FedEx

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☐	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐		
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐		
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐		
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To	0.6 º
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☑	NA	☐
Water - pH acceptable upon receipt?	Yes	☑	No	☐	No Water	☐
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bill	☐	Sticker	☐	Not Present	☑
Airbill No:	798602771764					

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Envirotest Laboratories, Inc
315 Fullerton Ave.
Newburgh NY 12550

Report Date: 7/14/2012
Report No.: 279574
Project: Miller Hydrogeologic,Inc.
Project No.: 42001331

TEM WATER SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location	Total Asbestos Concentration	Asbestos Concentration Fibers > 10 Microns	Asbestos Types
4718032	420-56846-1	Sampled-7-9-12 16:00 Analyzed-7-14-12	<0.26 Million Fibers/Liter	<0.26 Million Fibers/Liter	None Detected

NJ DEP 03863 **NYS-DOH No. 11021** **PA 68-03378**

Methodology: EPA Method For Determining Asbestos In Drinking Water (EPA 600/4-83-043) and EPA Method 100.1 and 100.2
NYSDOH Method For Waterborne Asbestos (ELAP 198.2)

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client. Samples are not blank corrected.
This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government

Minimum detection limit dependant upon turbidity of sample and volume filtered. National Primary Drinking Water Regulations under EPA's Safe Drinking Water Act dictates maximum contaminant levels for asbestos at 7.0 million fibers per liter. EPA and NYS-DOH regulations require segregation of overall fiber concentration, total asbestos concentration and asbestos concentration of fibers > 10 microns in length.

Analysis Performed By: A. Lawson

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

Date: 7/14/2012

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

Transmission Electron Microscopy - Sample Data

Client: Envirotest Laboratories, Inc
315 Fullerton Ave.
Newburgh NY 12550

Report Date: 7/14/2012
Project: Miller Hydrogeologic,Inc.
Project No.: 42001331

IATL No.: 4718032
Client Sample No.: 420-56846-1

Description/ Location: Sampled-7-9-12 16:00
Analyzed-7-14-12

Volume Filtered:	70 Milliliters
Filter Type:	MCE
Filter Size:	962 mm²
Pore Size:	0.45 µm
ANALYSIS RESULTS:	
Grid Openings:	4
Opening Area:	0.013 mm²
Area Analyzed:	0.052 mm²
Detection Limit:	0.260 Million Fibers/Liter
Sensitivity:	19.2 Fibers/mm²
ASBESTOS FIBERS:	
> 0.5 Microns:	None Detected
Concentration:	<0.26 Million Fibers/Liter
> 10 Microns:	None Detected
Concentration:	<0.26 Million Fibers/Liter
Types Identified:	None Detected
Type 2:	
Type 3:	
NON-ASBESTOS FIBERS:	None Detected
Concentration:	<0.26 Million Fibers/Liter
Types Identified:	None Detected
Type 2:	
Type 3:	
Type 4:	
Micrograph Number:	
X-Ray Spectrum Number:	

Methodology: EPA Method For Determining Asbestos In Drinking Water (EPA 600/4-83-043) and EPA Method 100.1 and 100.2. NYSDOH Method For Waterborne Asbestos (ELAP 198.2)

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.
This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Analysis Performed By: A. Lawson

Date: 7/14/2012

EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Phone (845) 562-0890 Fax (845) 562-0841

Chain of Custody Record

EnviroTest Laboratories Inc.

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bayer, Debra	Carrier Tracking No(s):	COC No: 420-5959.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dbayer@envirotestlaboratories.com		Page: Page 1 of 1
Company: International Asbestos Testing Labs		**Analysis Requested**		STL Job #: 420-56846-1
Address: 9000 Commerce, Parkway, Suite B	**Due Date Requested:** 7/24/2012			**Preservation Codes:**
City: Mt. Laurel	**TAT Requested (days):**			
State, Zip: NJ, 08054				
Phone:	PO #:			
Email:	WO #:			
Project Name: Miller Hydrogeologic, Inc.	Project #: 42001331			
Site:	SSOW#:			Other:

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Asbestos	Total Number of containers	Special Instructions/Note:
				Preservation Code:					
TW-1 (420-56846-1)	7/9/12	16:00		Water			X	1	4718032

Analysis ADL 7/14/12

Rdbc 7-18-12

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by: Kintash	Date/Time: 7/10/12 1630	Company: ETL	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: JUL 11 2012	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	IATL - By	

RECEIVED

EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Phone (845) 562-0890 Fax (845) 562-0841

Chain of Custody Record

Order ID: 1216057 **COC**

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bayer, Debra	Ca
Client Contact: Shipping/Receiving	Phone:	E-Mail: dbayer@envirotestlaboratories.com	
Company: Summit Environmental Technologies, Inc.			STL Job #: 420-56846-1
Address: 3310 Win Street, ,	Due Date Requested: 7/24/2012		
City: Cuyahoga Falls	TAT Requested (days):		
State, Zip: OH, 44223			
Phone:	PO #:		
Email:	WO #:		
Project Name: Miller Hydrogeologic, Inc.	Project #: 42001331		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Dioxin	SUBCONTRACT/ Ra-226 and Ra-228	SUBCONTRACT/ Gross Alpha/Beta	SUBCONTRACT/ Uranium	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
TW-1 (420-56846-1)	7/9/12	16:00		Water			X	X	X	X	7	

1216057-01

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 7/10/12 1630	Company: GT	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7/11/12 1000	Company: SET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Order ID: 1216057 **COOLER**

Client: ENVIRO Test Order ID: _____

Log in Initials: _____

Date Received: 7/11/12 Time Received: 1000 Date opened: 7/11/12

Number of Coolers/Boxes: 1 N/A Unpacked by: RS

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: _____

Packaging: Peanuts Bubble Wrap Paper Foam None Other: _____

Tape on cooler/box:	Y	N	N/A
Custody Seals intact	Y	N	N/A
C-O-C in plastic	Y	N	N/A

Coolant: Ice Blue ice Water None Sample Temperature 4.0 °C

C-O-C filled out properly	Y	N	N/A
Samples in separate bags	Y	N	N/A
Sample containers intact	Y	N	N/A

*If no, list broken sample(s): _____

Sample label(s) complete (ID, date, etc.)	Y	N	N/A
Label(s) agree with C-O-C	Y	N	N/A
Correct containers used	Y	N	N/A
Sufficient sample received	Y	N	N/A
Samples at correct pH? (list below)	Y	N	NA
Bubbles absent from 40 mL vials**	Y	N	N/A

** Samples with bubbles less than the size of a pea are acceptable.

Client contact: _____ Date/Time: _____

Comments: _____

Sample ID	pH	Sample ID	pH

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

LABORATORY REPORT

Client
EnviroTest Laboratories
315 Fullerton Ave.
Newburgh, NY 12550

Order Number
1216057

Project Number
Miller Hydrogeologic, Inc.

Issued
Tuesday, July 31, 2012

Total Number of Pages
4 (excluding C.O.C. and cooler receipt form)

Approved By : _____
QA Manager

Certifications: A2LA/DOD 0724.01, Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Michigan (Reg.5), Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 5 WG-15J, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010

Sample Summary

Client: EnviroTest Laboratories
Order Number: 1216057

Laboratory ID	Client ID	Matrix	Sampling Date
1216057-01	420-56846-1	Liquid	7/9/2012

Report Narrative

Client: EnviroTest Laboratories

Order Number: 1216057

No problems were encountered during analysis of this order number, except as noted.

Data Qualifiers:
B = Analyte found in the method blank
J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)
C = Analyte has been confirmed by another instrument or method
E = Analyte exceeds the upper limit of the calibration curve.
D = Sample or extract was analyzed at a higher dilution
X = User defined data qualifier.
S = Surrogate out of control limits
U = Undetected
a = Not Accredited by NELAC

ND = Non Detected at LOQ
DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)
Limit Of Detection (LOD) = Laboratory Detection Limit

Matrices:
A = Air
C = Cream
DW = Drinking Water
L = Liquid
O = Oil
SL = Sludge
SO = Soil
S = Solid
T = Tablet
TC = TCLP Extract
WW = Waste Water
W = Wipe

Estimated uncertainty values are available upon request.

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

July 31, 2012

Client: EnviroTest Laboratories
Address: 315 Fullerton Ave.
Newburgh, NY 12550

Received: 7/11/2012
Project #: Miller Hydrogeologic, Inc.

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	LOQ	Run	Analyst
420-56846-1	1216057-01	09-Jul-12	Uranium	ND	ug/L	L	200.8	1	1	12-Jul-12	TXN

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	LOQ	Run	Analyst
420-56846-1	1216057-01	09-Jul-12	Gross Alpha	6.46 +/- 1.65	pCi/L	L	EPA 900.0	1	3	17-Jul-12	MO

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	LOQ	Run	Analyst
420-56846-1	1216057-01	09-Jul-12	Gross Beta	7.26 +/- 1.18	pCi/L	L	EPA 900.0	1	4	17-Jul-12	MO

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	LOQ	Run	Analyst
420-56846-1	1216057-01	09-Jul-12	Radium-226	0.3 +/- 0.22	pCi/L	L	EPA 903.0	1	1	31-Jul-12	CM

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	LOQ	Run	Analyst
420-56846-1	1216057-01	09-Jul-12	Radium-228	U +/- 0.4	pCi/L	L	EPA904.0	1	1	30-Jul-12	CM

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Matrix	Method	DF	LOQ	Run	Analyst
420-56846-1	1216057-01	09-Jul-12	2,3,7,8-TCDD	ND	pg/l	L	1613B	2	1	17-Jul-12	CM

Summit Environmental Technologies, Inc.
Gross Alpha/Beta
QC Report

Batch ID 607

	Gross Alpha %Rec.	%RPD	Gross Beta %Rec.	%RPD
Blank	<3pci/l		<4pci/l	
LCS	74.7		102	
M S	103.3		113.5	
MSD	85.3	19.5	101.0	11.5
Sample/ Sample DUP		0		0

Summit Environmental Technologies, Inc.
Method 903.0/9315(Radium-226)
QC Report

Batch ID 625

		%Rec.	%RPD
Blank	<1pci/l		
LCS		87.4	
MS		85.0	
Sample/ Sample DUP			0.0

Summit Environmental Technologies, Inc.
Method 904.0/9320(Radium-228)
QC Report

Batch ID 625

		%Rec.	%RPD
Blank	<1pci/l		
LCS		107.6	
LCSD		100.6	6.8
MS		60.2	
Sample/ Sample DUP			0.0

Summit Environmental Technologies, Inc.
Method 1613
QC Report

Batch ID: 845 **ICAL Date :** 3/22/2011 **Extraction Date:** 7/11/2012

Blank Results: 2,3,7,8-TCDD <1.0pg/l

Parameter	Labeled Compound % Recovery 13C-2,3,7,8-TCDD	Unlabeled Compound % Recovery 2,3,7,8-TCDD	Analysis Date
LCS	81.7	87.2	7/17/2012
LCSD	88	84.5	7/17/2012
Acceptance Limits	20 - 175	67 - 158	
CCV1	96.6	107	7/17/2012
CCV2	98.4	105	7/17/2012
Acceptance Limits	82 - 121	78 - 129	
Blank	77.2		7/17/2012
Acceptance Limits	25 - 164		
Sample			
1216057-01	74.2		7/17/2012
Acceptance Limits	25 - 164		

EnviroTest
Laboratories Inc.

ANALYTICAL REPORT

Job Number: 420-56804-8

1SD Number: G\\WmorWet Ne, wPilat Nz 0Y6-88

Job Se37r\\sl\\Wc: p \\Wer n MHroyeoioyWt dc7g

l or:
p \\Wer n MHroyeoioyWt dc7g
w. FoOBBx
wWe Fu39t Nz 825xx

hIlecl\\Wc: p rgAoberl p \\Wer

SebrP FPMer
Ru3lomer 1erOWe p PcPyer
HbPMerv ecOWble3liPborPlor\\W3g7om
0@0@2082

T9e le3l re3uil3 \\W l9\\W resorl meel Pii NELhw requWemecl3 ucie33 3se7WWH, W9\\W l9e 7P3e cPrrPlWeg wur3uPcl lo NELhwt l9\\W resorl mPMcol be resroHu7eHt eO7esl W fuiit, W9oul l9e, rWec PssroOPi of l9e iPborPlorMgEcOWbTe3l LPborPlor\\W3 dc7g7erlWW3 l9Pl l9e PcPiMWPi re3uil3 7oclPWeH 9ere\\W PssiMociMlo l9e 3Pmsie3 le3leH P3 re7eWeH bMour iPborPlorMgh ii que3l\\Wc3 reyPrHWy l9\\W resorl 39ouiH be HWe7leH lo l9e EcOWbTe3l Ru3lomer 1erOWe Aesre3eclPlWeg

EcOWbTe3l LPborPlor\\W3t dc7gRerlWWPl\\Wc3 PcHh ssroOPi3: NELhw h77reHWeHt Nz 1S. n 80842t NJSEw Nz 085t RTS. wn wn-0554t Ewh Nz 0004Bg

Envirotest Laboratories, Inc.
Y85 l uiierloc hOecuet Ne, bury9t Nz 82550
Tei (@45) 5x2-0@80 l PO(@45) 5x2-0@48 , , , gecOWble3liPborPlor\\W3g7om

Job Narrative
420-J57104-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 524.2: The laboratory control standard (LCS) for batch # 57879 exceeded control limits for the analytes indicated by an asterisk (*) on the results form.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method SM 4500 H+ B: The holding time for pH is 15 minutes, the samples were received outside of the holding time.

No other analytical or quality issues were noted.

Biology
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Odor (Threshold Odor, Consistent Series)	EnvTest	MCAWW 140.1	
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
ICPMS Metals by 200.8	EnvTest	EPA 200.8	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Apparent Color	EnvTest	SM21 2120B	
Mercury in Water by CVAA	EnvTest	EPA 245.1	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
EPA 504.1 EDB		EPA 504.1	
EPA 505 Pesticide/PCB		EPA 505	
EPA 515 Chlorinated Acids		EPA 515	
Purgeable Organic Compounds in Water by GC/MS	EnvTest	EPA-DW 524.2	
EPA 525.2 Semivolatile Organics		EPA 525.2	
EPA 531.1 Carbamate Pesticides in Drinki		EPA 531.1	
Turbidity	EnvTest	SM20 SM 2130B	
Alkalinity, Titration Method	EnvTest	SM18 SM 2320B	
Corrosivity LSI Calculation	EnvTest	SM20 SM 2330B	
Hardness by Calculation	EnvTest	SM20 SM 2340B	
Total Dissolved Solids (Dried at 180 °C)	EnvTest	SM18 SM 2540C	
Chloride by Silver Nitrate Titration	EnvTest	SM18 SM 4500 Cl- B	
Cyanide, Total: Colorimetric Method	EnvTest	SM18 SM 4500 CN E	
Cyanide: Distillation	EnvTest		SM18 SM 4500 CN C
pH	EnvTest	SM19 SM 4500 H+ B	
Total Coliform and Escherichia coli by Colilert - Presence/Absence	EnvTest	SMWW SM 9223	
General Sub Contract Method		Subcontract	
General Sub Contract Method	S.E.T.	Subcontract	

Lab References:

=

EnvTest = EnviroTest

S.E.T. = Summit Environmental Technologies, Inc.

METHOD SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Description	Lab Location	Method	Preparation Method

Method References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SM19 = "Standard Methods For The Examination Of Water And Wastewater", 19Th Edition, 1995."

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SM21 = "Standard Methods For The Examination Of Water And Wastewater", 21st Edition

SMWW = "Standard Methods for the Examination of Water and Wastewater"

METHOD / ANALYST SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Method	Analyst	Analyst ID
EPA-DW 524.2	Andersen, Eric C	ECA
EPA 200.7 Rev 4.4	El Sayed, Tamer A	TAE
EPA 200.8	El Sayed, Tamer A	TAE
EPA 245.1	McPhillips, Julie	JM
SM20 SM 2340B	El Sayed, Tamer A	TAE
MCAWW 140.1	Harmon, Kelly	KH
SM21 2120B	Harmon, Kelly	KH
MCAWW 300.0	Sutcliffe, Bethany L	BLS
SM20 SM 2130B	Harmon, Kelly	KH
SM18 SM 2320B	DeGroat, Kerri	KD
SM20 SM 2330B	Pistole, Maria	MP
SM18 SM 2540C	Cusack, Renee	RC
SM18 SM 4500 Cl- B	El Sayed, Tamer A	TAE
SM18 SM 4500 CN E	Sutcliffe, Bethany L	BLS
SM19 SM 4500 H+ B	Harmon, Kelly	KH
SMWW SM 9223	Harmon, Kelly	KH

SAMPLE SUMMARY

Client: Miller Hydrogeologic, Inc.

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-57104-1	TW-2	Drinking Water	07/16/2012 1600	07/17/2012 0845

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-2**
Lab Sample ID: **420-57104-1**

Date Sampled: 07/16/2012 1600
Date Received: 07/17/2012 0845
Client Matrix: Drinking Water
Percent Solids:

Analyte	Result/Qualifier		Unit	NONE	Dilution
Method: SM 9223			Date Analyzed:	07/17/2012 1418	
Coliform, Total	Present	g	CFU/100mL		1.0
Escherichia coli	Absent		CFU/100mL		1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-2**
Lab Sample ID: **420-57104-1**

Date Sampled: 07/16/2012 1600
Date Received: 07/17/2012 0845
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	NONE	NONE	Dilution
Method: 2120B		Date Analyzed:	07/17/2012 1236		
Apparent Color	2.5	Color Units			1.0
Method: SM 2330B		Date Analyzed:	07/23/2012 1048		
Langelier Index	0	NONE			1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-2**
Lab Sample ID: **420-57104-1**

Date Sampled: 07/16/2012 1600
Date Received: 07/17/2012 0845
Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 524.2			Date Analyzed:	07/18/2012 1901		
1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1,1-Trichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1,2-Trichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1-Dichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,1-Dichloroethene	0.50	U	ug/L	0.50	0.50	1.0
1,1-Dichloropropene	0.50	U	ug/L	0.50	0.50	1.0
1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2,3-Trichloropropane	0.50	U	ug/L	0.50	0.50	1.0
1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2-Dichloroethane	0.50	U	ug/L	0.50	0.50	1.0
1,2-Dichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
1,2-Dichloropropane	0.50	U	ug/L	0.50	0.50	1.0
1,3-Dichloropropane	0.50	U	ug/L	0.50	0.50	1.0
1,4-Dichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
2,2-Dichloropropane	0.50	U	ug/L	0.50	0.50	1.0
Benzene	0.50	U	ug/L	0.50	0.50	1.0
Bromobenzene	0.50	U	ug/L	0.50	0.50	1.0
Bromochloromethane	0.50	U	ug/L	0.50	0.50	1.0
Bromomethane	0.50	U	ug/L	0.50	0.50	1.0
n-Butylbenzene	0.50	U	ug/L	0.50	0.50	1.0
cis-1,2-Dichloroethene	0.50	U	ug/L	0.50	0.50	1.0
cis-1,3-Dichloropropene	0.50	U	ug/L	0.50	0.50	1.0
Carbon tetrachloride	0.50	U	ug/L	0.50	0.50	1.0
Chlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
Chloroethane	0.50	U	ug/L	0.50	0.50	1.0
Chloromethane	0.50	U	ug/L	0.50	0.50	1.0
Dibromomethane	0.50	U	ug/L	0.50	0.50	1.0
Ethylbenzene	0.50	U	ug/L	0.50	0.50	1.0
Dichlorodifluoromethane	0.50	U	ug/L	0.50	0.50	1.0
Hexachlorobutadiene	0.50	U	ug/L	0.50	0.50	1.0
Isopropylbenzene	0.50	U	ug/L	0.50	0.50	1.0
p-Isopropyltoluene	0.50	U	ug/L	0.50	0.50	1.0
Methylene Chloride	0.50	U	ug/L	0.50	0.50	1.0
m-Xylene & p-Xylene	0.50	U	ug/L	0.50	0.50	1.0
Methyl tert-butyl ether	0.50	U	ug/L	0.50	0.50	1.0
o-Xylene	0.50	U	ug/L	0.50	0.50	1.0
Tetrachloroethene	0.50	U	ug/L	0.50	0.50	1.0
Toluene	0.50	U	ug/L	0.50	0.50	1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-2**
Lab Sample ID: **420-57104-1**

Date Sampled: 07/16/2012 1600
Date Received: 07/17/2012 0845
Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
trans-1,2-Dichloroethene	0.50	U	ug/L	0.50	0.50	1.0
trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	0.50	1.0
Trichloroethene	0.50	U	ug/L	0.50	0.50	1.0
tert-Butylbenzene	0.50	U	ug/L	0.50	0.50	1.0
Trichlorofluoromethane	0.50	U	ug/L	0.50	0.50	1.0
Vinyl chloride	0.50	U	ug/L	0.50	0.50	1.0
Xylenes, Total	0.50	U	ug/L	0.50	0.50	1.0
Styrene	0.50	U *	ug/L	0.50	0.50	1.0
sec-Butylbenzene	0.50	U	ug/L	0.50	0.50	1.0
1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	0.50	1.0
N-Propylbenzene	0.50	U	ug/L	0.50	0.50	1.0
1,3-Dichlorobenzene	0.50	U	ug/L	0.50	0.50	1.0
2-Chlorotoluene	0.50	U	ug/L	0.50	0.50	1.0
4-Chlorotoluene	0.50	U	ug/L	0.50	0.50	1.0

Surrogate		Acceptance Limits
4-Bromofluorobenzene	89	% 71 - 112
Toluene-d8 (Surr)	96	% 79 - 121
1,2-Dichloroethane-d4 (Surr)	89	% 70 - 128

Tentatively Identified Compounds		Cas Number	RT	
Tentatively Identified Compound	None	ug/L	0.00	1.0

Method: 200.7 Rev 4.4 Date Analyzed: 07/19/2012 1257
Prep Method: 200 Date Prepared: 07/18/2012 1159

Iron	120		ug/L	60	60	1.0
Manganese	200		ug/L	10	10	1.0
Sodium	7900		ug/L	200	200	1.0
Zinc	150		ug/L	20	20	1.0

Method: 200.7 Rev 4.4 Date Analyzed: 07/25/2012 1912
Prep Method: 200.7 Date Prepared: 07/23/2012 1015

Ag	10	U	ug/L	10	10	1.0

Method: 200.8 Date Analyzed: 07/18/2012 1614
Prep Method: 200 Date Prepared: 07/18/2012 1159

Arsenic	1.8		ug/L	1.4	1.4	1.0
Beryllium	0.30	U	ug/L	0.30	0.30	1.0
Cadmium	1.0	U	ug/L	1.0	1.0	1.0
Chromium	7.0	U	ug/L	7.0	7.0	1.0
Nickel	3.2		ug/L	0.50	0.50	1.0
Thallium	0.30	U	ug/L	0.30	0.30	1.0
Barium	120		ug/L	2.0	2.0	1.0

Mr. Robert Miller
Miller Hydrogeologic, Inc.
PO Box 996
Pine Bush, NY 12566

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Client Sample ID: **TW-2**
Lab Sample ID: **420-57104-1**

Date Sampled: 07/16/2012 1600
Date Received: 07/17/2012 0845
Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Selenium	2.0	U	ug/L	2.0	2.0	1.0
Method: 200.8			Date Analyzed:		07/24/2012 1416	
Prep Method: 200			Date Prepared:		07/18/2012 1159	
Antimony	0.47		ug/L	0.40	0.40	1.0
Method: 245.1			Date Analyzed:		07/27/2012 1612	
Prep Method: 245.1			Date Prepared:		07/27/2012 0900	
Mercury	0.20	U	ug/L	0.20	0.20	1.0
Method: SM 2340B			Date Analyzed:		07/19/2012 1110	
Calcium hardness as calcium carbonate	180		mg/L	1.3	1.3	1.0
Total Hardness (as CaCO3)	270		mg/L	3.3	3.3	1.0
Ca	73		mg/L	0.50	0.50	1.0
Mg	20		mg/L	0.50	0.50	1.0
Method: 140.1			Date Analyzed:		07/17/2012 1238	
Odor	1.0		Units for Odor	1.0	1.0	1.0
Method: 300.0			Date Analyzed:		07/17/2012 1655	
Nitrate as N	0.43		mg/L	0.25	0.25	1.0
Nitrite as N	0.25	U	mg/L	0.25	0.25	1.0
Fluoride	0.50	U	mg/L	0.50	0.50	1.0
Method: 300.0			Date Analyzed:		07/18/2012 1836	
Sulfate	60		mg/L	25	25	5.0
Method: SM 2130B			Date Analyzed:		07/17/2012 1652	
Turbidity	0.78		NTU	0.10	0.10	1.0
Method: SM 2320B			Date Analyzed:		07/20/2012 1742	
Alkalinity	190		mg/L	5.0	5.0	1.0
Method: SM 2540C			Date Analyzed:		07/19/2012 1350	
Total Dissolved Solids	320		mg/L	5.0	5.0	1.0
Method: SM 4500 Cl- B			Date Analyzed:		07/17/2012 1608	
Chloride	11		mg/L	5.0	5.0	1.0
Method: SM 4500 CN E			Date Analyzed:		07/27/2012 1130	
Prep Method: SM 4500 CN C			Date Prepared:		07/25/2012 0900	
Cyanide, Total	0.0050	U	mg/L	0.0050	0.0050	1.0
Method: SM 4500 H+ B			Date Analyzed:		07/17/2012 1521	
pH	7.62	H	SU	0.200	0.200	1.0
Temp @ pH Measurement	20.1		Degrees C	5.00	5.00	1.0

DATA REPORTING QUALIFIERS

Client: Miller Hydrogeologic, Inc.

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	U	The analyte was analyzed for but not detected at or above the stated limit.
Metals		
	U	The analyte was analyzed for but not detected at or above the stated limit.
General Chemistry		
	H	Sample was prepped or analyzed beyond the specified holding time
	U	The analyte was analyzed for but not detected at or above the stated limit.
Biology		
	g	Result fails applicable NYS drinking water standards

Definitions and Glossary

Client: Miller Hydrogeologic, Inc. Job Number: 420-57104-1

Sdg Number: Willmorite, New Paltz, NY 037-11

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

EnviroTest Laboratories, Inc.

CHAIN OF CUSTODY

REPORT# (Lab Use Only) 57104

Lab Name: EnviroTest Laboratories
Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION
Willmorite.	037-11	New Paltz
ENVIROTEST PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Debra Bayer		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Robert Miller	524-2059	
CLIENT NAME		
Miller Hydrogeologic, Inc.		
CLIENT ADDRESS		
PO Box 996, Pine Bush, NY 12566		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 of 1

TURNAROUND TIME
NORMAL ____
QUICK ____
VERBAL ____

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	250ml plastic nitric	40ml Vials HCL	Liter Amber HCl/Sod.Sulfite	Liter Amber Sod. Thio	Liter Amber	Liter Plastic Nitric Acid	40ml Vial Sod. Thio	Liter Plastic	250ml Plastic Sodium Hyd.	250ml Amber	60 ml Mono/Sod. Thio	500 Brown Plastic	REMARKS
								NUMBER OF CONTAINERS SUBMITTED												#OF COOLERS: 1
7/16/12	4:00PM	TW-2						2	3	3	2	2	5	4	5	1	1	1	1	Table 8B(Sb,As,Ba,Be,Cd,Cr,
																				Cn,Hg,Ni,Se,Tl,F)
																				Table 8C(NO3,NO2)
																				Table 8D(Cl,Fe,Mn,Ag,Na,SO4,
																				Zn,Color,Odor)
								Additional containers												Table 9B(524.2 *** PLUS TICS
								1-125ml sterile												including MTBE,Vinyl Chloride)
								2-60ml Amber Sodium Thio.												Table 9C(504,505,515,531,525,
								33 Total Containers												547, 548, 549, Dioxin)
																				Asbestos, Total coli(P/A)
																				Radio (Alpha,Beta,226/228, Uranium)
																				Hard, Corrosivity, (pH, Alk,
																				TDS, Ca-Hard), Turb.

Subcontract: 500 series to H2m; Dioxin to Summit; Asbestos to IATL; Radio to Summit

RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
SAMPLED BY: (SIGNATURE) Robert T. Miller	MHI	7/16/12	4:00PM	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE) Robert D. Miller	MHI	7/17/12	8:45AM	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	Cooler Temp:	LABORATORY REMARKS:
Dentash EA	7/17/12	8:45A		4.8	ICE ✓ pH____ CL2____ Reveiwed by____

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Miller Hydrogeologic, Inc.

Job Number: 420-57104-1
Sdg Number: Willmorite, New Paltz, NY 037-11

Login Number: **57104**

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	NA	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	4.8 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	False	pH
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

H2M labs
575 Broad Hollow Road , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...
Type : Potable Water
Origin:

EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Attn To : Debra Bayer

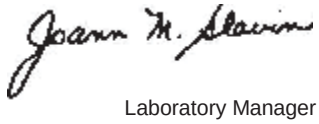
Lab No. : 1207867-001

Client Sample ID. : TW-2 (420-57104-1)

Federal ID :
Collected : 7/16/2012 4:00:00 PM Point No:
Received : 7/18/2012 12:00:00 PM Location:
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
1,2-Dibromo-3-chloropropane	< 0.01		1	µg/L	0.2	E504.1	07/26/2012 2:42 AM
1,2-Dibromoethane	< 0.01		1	µg/L	0.05	E504.1	07/26/2012 2:42 AM
Alachlor	< 0.20		1	µg/L	2	E505	07/19/2012 7:19 PM
Aldrin	< 0.025		1	µg/L	5	E505	07/19/2012 7:19 PM
Chlordane	<0.20	r	1	µg/L	2	E505	07/19/2012 7:19 PM
Dieldrin	< 0.050		1	µg/L	5	E505	07/19/2012 7:19 PM
Endrin	< 0.010		1	µg/L	2	E505	07/19/2012 7:19 PM
Heptachlor	< 0.025		1	µg/L	0.4	E505	07/19/2012 7:19 PM
Heptachlor epoxide	< 0.020		1	µg/L	0.2	E505	07/19/2012 7:19 PM
Hexachlorobenzene	< 0.10		1	µg/L	1	E505	07/19/2012 7:19 PM
Hexachlorocyclopentadiene	< 0.10		1	µg/L	5	E505	07/19/2012 7:19 PM
Lindane	< 0.020		1	µg/L	0.2	E505	07/19/2012 7:19 PM
Methoxychlor	< 0.10		1	µg/L	40	E505	07/19/2012 7:19 PM
Total PCBs	< 0.40		1	µg/L	0.5	E505	07/19/2012 7:19 PM
Toxaphene	<1.0	r	1	µg/L	3	E505	07/19/2012 7:19 PM
Surr: Decachlorobiphenyl	157	S	1	%REC	30-150	E505	07/19/2012 7:19 PM
Surr: Tetrachloro-m-xylene	81.7		1	%REC	30-150	E505	07/19/2012 7:19 PM
2,4,5-TP (Silvex)	< 0.13		1	µg/L	10	E515.1	07/25/2012 6:09 AM
2,4-D	< 0.10		1	µg/L	50	E515.1	07/25/2012 6:09 AM
Dalapon	< 0.70		1	µg/L	50	E515.1	07/25/2012 6:09 AM
Dicamba	< 1.0		1	µg/L	50	E515.1	07/25/2012 6:09 AM
Dinoseb	< 0.20		1	µg/L	7	E515.1	07/25/2012 6:09 AM
Pentachlorophenol	< 0.040		1	µg/L	1	E515.1	07/25/2012 6:09 AM
Picloram	< 0.10		1	µg/L	50	E515.1	07/25/2012 6:09 AM
Surr: DCAA	83.5		1	%REC	70-130	E515.1	07/25/2012 6:09 AM
3-Hydroxycarbofuran	< 1.0		1	µg/L	50	E531.1	07/20/2012 7:42 PM
Aldicarb	< 0.50		1	µg/L	3	E531.1	07/20/2012 7:42 PM
Aldicarb sulfone	< 0.80		1	µg/L	2	E531.1	07/20/2012 7:42 PM
Aldicarb sulfoxide	< 0.50		1	µg/L	4	E531.1	07/20/2012 7:42 PM
Carbaryl	< 1.0		1	µg/L	50	E531.1	07/20/2012 7:42 PM
Carbofuran	< 0.90		1	µg/L	40	E531.1	07/20/2012 7:42 PM
Methomyl	< 1.0		1	µg/L	50	E531.1	07/20/2012 7:42 PM
Oxamyl	< 1.0		1	µg/L	50	E531.1	07/20/2012 7:42 PM
Surr: BDMC	92.7		1	%REC	68-119	E531.1	07/20/2012 7:42 PM
Glyphosate	< 6.0		1	µg/L	50	E547	07/25/2012 1:42 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound
Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.



Laboratory Manager

Date Reported : 8/1/2012

H2M labs
575 Broad Hollow Road , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...
Type : Potable Water
Origin:

EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Attn To : Debra Bayer

Lab No. : 1207867-001

Client Sample ID. : TW-2 (420-57104-1)

Federal ID :
Collected : 7/16/2012 4:00:00 PM Point No:
Received : 7/18/2012 12:00:00 PM Location:
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Diquat	<0.40	r	1	µg/L	20	E549.2	07/27/2012
Atrazine	< 0.10		1	µg/L	3	E525.2	07/25/2012 3:07 AM
Benzo(a)pyrene	<0.02	r	1	µg/L	0.2	E525.2	07/25/2012 3:07 AM
bis(2-Ethylhexyl)adipate	< 0.60		1	µg/L	50	E525.2	07/25/2012 3:07 AM
Bis(2-ethylhexyl)phthalate	< 0.60		1	µg/L	6	E525.2	07/25/2012 3:07 AM
Butachlor	< 1.0		1	µg/L	50	E525.2	07/25/2012 3:07 AM
Metolachlor	< 1.0		1	µg/L	50	E525.2	07/25/2012 3:07 AM
Metribuzin	< 0.50		1	µg/L	50	E525.2	07/25/2012 3:07 AM
Propachlor	< 1.0		1	µg/L	50	E525.2	07/25/2012 3:07 AM
Simazine	<0.07	r	1	µg/L	4	E525.2	07/25/2012 3:07 AM
Surr: 4-Terphenyl-d14	175	S	1	%REC	77-143	E525.2	07/25/2012 3:07 AM
Surr: Dimethylnitrobenzene	42.6	S	1	%REC	70-130	E525.2	07/25/2012 3:07 AM
Surr: Perylene-d12	2.20	S	1	%REC	70-130	E525.2	07/25/2012 3:07 AM
Surr: Pyrene-d10	100		1	%REC	70-130	E525.2	07/25/2012 3:07 AM
Surr: Triphenylphosphate	113		1	%REC	70-130	E525.2	07/25/2012 3:07 AM
Endothall	< 9.0		1	ug/L	50	E548.1	07/27/2012 1:30 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound
Result(s) reported meet(s) NYS Regulatory Limit(s).
Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Joann M. Slavin
Laboratory Manager

Date Reported : 8/1/2012

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **ENV** Date and Time Received: **7/18/2012 12:00:00 PM**

Work Order Number: **1207867** RcptNo: **1** Received by: **MelissaWatson**

Completed by: M - Wat Reviewed by: Stu Murrell

Completed Date: 7/18/2012 Reviewed Date: 8/1/2012 6:05:50 PM

Carrier name: FedEx

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐		
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐		
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐		
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To	4.3 º
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☑	NA	☐
Water - pH acceptable upon receipt?	Yes	☑	No	☐	No Water	☐
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☐	No	☑		
Airbill or Sticker?	Air Bill	☑	Sticker	☐	Not Present	☐
Airbill No:	7937 9878 5805					

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Envirotest Laboratories, Inc
315 Fullerton Ave.
Newburgh NY 12550

Report Date: 7/20/2012
Report No.: 280245
Project: Miller Hydrogeologic,Inc
Project No.: 42001331

TEM WATER SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location	Total Asbestos Concentration	Asbestos Concentration Fibers > 10 Microns	Asbestos Types
4723630	420-57104-1	Sampled-7-16-12 16:00 Analyzed-7-20-12	<0.09 Million Fibers/Liter	<0.09 Million Fibers/Liter	None Detected

NJ DEP 03863 **NYS-DOH No. 11021** **PA 68-03378**

Methodology: EPA Method For Determining Asbestos In Drinking Water (EPA 600/4-83-043) and EPA Method 100.1 and 100.2
NYSDOH Method For Waterborne Asbestos (ELAP 198.2)

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client. Samples are not blank corrected. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government

Minimum detection limit dependant upon turbidity of sample and volume filtered. National Primary Drinking Water Regulations under EPA's Safe Drinking Water Act dictates maximum contaminant levels for asbestos at 7.0 million fibers per liter. EPA and NYS-DOH regulations require segregation of overall fiber concentration, total asbestos concentration and asbestos concentration of fibers > 10 microns in length.

Analysis Performed By: A. Lawson

Approved By:

Date: 7/20/2012

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

Transmission Electron Microscopy - Sample Data

Client: Envirotest Laboratories, Inc
315 Fullerton Ave.
Newburgh NY 12550

Report Date: 7/20/2012
Project: Miller Hydrogeologic,Inc
Project No.: 42001331

IATL No.: 4723630
Client Sample No.: 420-57104-1

Description/ Location: Sampled-7-16-12 16:00
Analyzed-7-20-12

Volume Filtered:	200 Milliliters
Filter Type:	MCE
Filter Size:	962 mm²
Pore Size:	0.10 µm
ANALYSIS RESULTS:	
Grid Openings:	4
Opening Area:	0.013 mm²
Area Analyzed:	0.052 mm²
Detection Limit:	0.090 Million Fibers/Liter
Sensitivity:	19.2 Fibers/mm²
ASBESTOS FIBERS:	
> 0.5 Microns:	None Detected
Concentration:	<0.09 Million Fibers/Liter
> 10 Microns:	None Detected
Concentration:	<0.09 Million Fibers/Liter
Types Identified:	None Detected
Type 2:	
Type 3:	
NON-ASBESTOS FIBERS:	None Detected
Concentration:	<0.09 Million Fibers/Liter
Types Identified:	None Detected
Type 2:	
Type 3:	
Type 4:	
Micrograph Number:	
X-Ray Spectrum Number:	

Methodology: EPA Method For Determining Asbestos In Drinking Water (EPA 600/4-83-043) and EPA Method 100.1 and 100.2. NYSDOH Method For Waterborne Asbestos (ELAP 198.2)

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.
This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Analysis Performed By: A. Lawson

Date: 7/20/2012

EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Phone (845) 562-0890 Fax (845) 562-0841

Chain of Custody Record

EnviroTest Laboratories Inc.

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Bayer, Debra	Carrier Tracking No(s):	COC No: 420-5974.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dbayer@envirotestlaboratories.com		Page: Page 1 of 1
Company: International Asbestos Testing Labs				STL Job #: 420-57104-1
Address: 9000 Commerce, Parkway, Suite B	Due Date Requested: 7/31/2012			
City: Mt. Laurel	TAT Requested (days):			
State, Zip: NJ, 08054				
Phone:	PO #:			
Email:	WO #:			
Project Name: Miller Hydrogeologic, Inc.	Project #: 42001331			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Asbestos	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TW-2 (420-57104-1)	7/16/12	16:00		Water			X	1	4723630

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

RECEIVED

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/17/12 1630	ETL		JUL 18 2012	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				ATL - By	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
	7-24-12	

ITEM DOES ANS 7/18/12