Annual Monitoring Well Sampling Report – January 2013

Site:
Mohonk Road Industrial Plant (MRIP) Superfund Site
Hamlet of High Falls, New York

Prepared for:
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1.0 Introduction

This Annual Monitoring Well Sampling Report (Annual Report), for the January 2013 sampling event, has been prepared by AECOM under Contract No. W912DQ-11-D-3003, Delivery Order 0003, for the U.S. Army Corps of Engineers (USACE), Kansas City District.

The Mohonk Road Industrial Plant (MRIP) Superfund Site is presently under the jurisdiction of the Remedial Branch of the U.S. Environmental Protection Agency (USEPA), Region 2, with USACE providing oversight to USEPA. AECOM is the prime contractor responsible for performing the activities described in the statement of work (SOW) including periodic recording of groundwater elevations, recording of water quality parameters, collection and analysis of groundwater samples, and associated reporting to provide:

- The lines of evidence of degradation/natural attenuation of the contaminants and breakdown products and of the progress of remedial activities;
- Evidence that the capture zone of the groundwater treatment plant continues to be maintained; and
- Early notice that site-specific contamination may threaten private wells outside of the High Falls Water District (HFWD).

All work under this contract is performed in accordance with the following documents:

- Site-Specific Health and Safety Plan (HASP) dated July 2012;
- Contractor Accident Prevention Plan (APP) dated July 2012;
- Uniform Federal Policy - Quality Assurance Program Plan (UFP-QAPP) dated July 2012;
- Contractor Quality Control Plan (CQCP) dated November 2012; and
- Draft Long-Term Groundwater Monitoring (LTM) Plan dated January 2013.

Cleanup at the Site is currently being addressed as one operable unit (OU). A Record of Decision (ROD) Amendment has selected a long-term remediation plan for site farfield groundwater (the groundwater response remedy), superseding the farfield groundwater response remedy described within the original ROD. The groundwater response remedy addresses the nearfield and farfield components of the site-related contaminant plume.

The remediation goal of the ROD is to eliminate human exposure to groundwater contaminated by the Site that does not meet state or federal drinking water standards, restore the groundwater contaminated at the Site to drinking water standards, prevent the contaminated groundwater from spreading and further impacting the aquifer, and eliminate the potential for human exposure to any contaminants in subsurface soils on the MRIP Property or the release of those contaminants into the groundwater.

The amended groundwater remedy includes:

1. Monitored natural attenuation within the farfield plume to restore the aquifer to its most beneficial use (as a potable water supply), and continued extraction of contaminated groundwater in the nearfield plume on the MRIP Property, subsequent treatment with an air stripper and activated carbon adsorption, and discharge of the treated water to Coxing Kill Creek.
2. Implementation of a Long-Term Monitoring (LTM) program to evaluate groundwater conditions and the effectiveness of the components of the remedy. For the groundwater site-related contaminants of concern (COCs) specifically identified as a result of investigations at this site, including trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene (1,1-DCE), and 1,1-dichloroethane (1,1-DCA), the New York State (NYS) Class GA groundwater (groundwater whose best usage is a source of potable water) and NYS drinking water standard (maximum contaminant level, MCL) is 5 µg/L. For 1,4-dioxane, the 10 NYCRR Part 5 standards for "unspecified organic contaminants" is 50 µg/L.
3. Institutional controls in the form of existing governmental controls to prevent future use of the aquifer as a drinking water source in the impacted or threatened area. These institutional controls would no longer be necessary following the restoration of the groundwater to beneficial use.
4. O&M of the Site's soil vapor extraction (SVE) system would be continued as required; monitoring would be performed to evaluate the effectiveness of the system. The SVE system was shut down by USEPA in 2012.
5. Continued operation of the subslab vapor mitigation system (VMS).

The January 2013 groundwater sampling event was performed in support of the LTM portion of the remedy.

1.1 Site Background

The MRIP Site is located in the Hamlet of High Falls, Ulster County, New York, approximately seven miles north-northwest of the Village of New Paltz and ten miles south-southwest of the City of Kingston (see **Figure 1** Site Location Map).

The Site was added to the NPL on January 19, 1999; the Superfund identification number for the Site is NYD986950012. The New York State Department of Environmental Conservation (NYSDEC) served as the lead agency for the Remedial Investigation and Feasibility Study (RI/FS), which was initiated prior to the Site being placed on the National Priorities List (NPL). The USEPA assumed the role as lead agency with issuance of the ROD on March 31, 2000.

The Site includes a facility located at 186 Mohonk Road, and all surrounding properties that have been impacted by the contaminated groundwater plume. The MRIP Property originally consisted of approximately 14.5 acres of mostly undeveloped land with a 43,000 square foot building in its southern corner. As part of the water supply remedy, and consistent with the ROD, the northern 6.9 acre portion of the property was conveyed by the Kithkin Corporation on August 19, 2005 to the HFWD, and is now the location of the HFWD drinking water treatment plant.

As a result of the historic use of solvents and other chemicals at the MRIP Property, Site groundwater contains contaminants known as volatile organic compounds (VOCs). The COCs specifically identified as a result of investigations at this site include the following site-related contaminants:

1. TCE, an industrial solvent;
2. 1,1,1-TCA, an industrial solvent, the contaminant typically found in highest concentrations at the site;
3. 1,1-DCA, a breakdown product of 1,1,1-TCA;
4. 1,1-DCE, a breakdown product of 1,1,1-TCA; and
5. 1,4-dioxane, a stabilizer associated with 1,1,1-TCA.

The Site-related groundwater plume extends approximately 4,000 feet downgradient from the MRIP Property, and had historically adversely impacted at least 75 residential and commercial water supply wells. Residents and businesses within the area are now obtaining their potable water from the HFWD, a publicly-operated water supply system.

1.2 Previous Investigations

The MRIP property had been used for industrial purposes since the early 1960s. These activities included metal finishing, wet spray painting, and manufacturing of store display fixtures, card punch machines, and computer frames. Wastes from these operations were typically discharged into the on-property septic system. The site first came to the attention of state and local authorities in April 1994, when a resident near the MRIP property contacted the Ulster County Health Department (UCHD) regarding the quality of her drinking water. The resident's well was sampled in April 1994 by UCHD, and the sample was found to contain elevated levels of VOCs. Subsequent sampling performed by UCHD identified 71 other homes or businesses downgradient of the site with VOCs above federal and/or NYS MCLs for drinking water.

NYSDEC began investigating the site in 1994. As an interim action to address immediate health threats, NYSDEC installed point-of-entry treatment (POET) systems at homes or businesses whose potable water supply exceeded the NYS MCLs (5 µg/L) for individual site-related VOCs. These systems included particulate filters, granular activated carbon (GAC) filters for VOC removal, and ultraviolet oxidation for disinfection. In August 1994, NYSDEC designated the site as "Class 2" on the NYS Registry of Inactive Hazardous Waste Sites, indicating that the site posed a significant threat to public health and the environment.

Prior to the issuance of the ROD, several interim actions had occurred at the Site, including the installation of a groundwater extraction and treatment system to minimize the further migration in the bedrock aquifer of the most highly contaminated portion of the groundwater plume, conducted as a non-time critical removal action (NTCRA). The groundwater response remedy described within the ROD also included a separate extraction and treatment system to address the portion of the plume which is downgradient from the source (the farfield plume).

USEPA has implemented the following elements of the ROD since its issuance:

1. Construction and operation of a new public water supply system, providing an alternate water supply to those with impacted or threatened private supply wells, and controlling risks to human health;
2. Removal and disposal of contaminated soils which are a source for groundwater contamination;
3. Active remediation of contaminated groundwater by the continued operation of the groundwater extraction and treatment system to address the nearfield plume at the source;

4. Long-term groundwater monitoring; and
5. Institutional controls preventing future use of the aquifer within the HFWD via Ordinances of the Towns of Marbletown and Rosendale prohibiting establishment or maintenance of a source of drinking or domestic water separate from the public water supply of the HFWD.

Additional treatment/removal of residual source contaminants in the vadose zone soils has also been conducted. In early 2007, a vapor mitigation system (VMS) comprised of six sub-slab ventilation systems was installed with extraction points in the subsurface layer underneath the commercial building's concrete floor. An 18-well soil vapor extraction (SVE) system was installed in 2007, to extract site-related VOCs from soil gas immediately north of the commercial building on the MRIP Property; this system was decommissioned in 2012.

USEPA has also performed extensive monitoring of the farfield plume and conducted an investigation to evaluate potential vapor intrusion. The removal of potential sources, the continued operation and maintenance (O&M) of the existing groundwater extraction and treatment system, and the reduction of contamination within the nearfield plume have significantly reduced the migration of contaminants from the Site. As presented in the ROD Amendment, USEPA's evaluation of monitored natural attenuation (MNA) as a remedy for the farfield plume as opposed to groundwater extraction and treatment (the remedy initially selected in the ROD for the farfield plume) has resulted in the selection of MNA as a preferred alternative to groundwater extraction and treatment within the farfield plume.

In 2006, an evaluation of the potential for use of MNA for the farfield plume was performed, based on groundwater monitoring data collected on a semi-annual basis from 1999 through April 2006. In 2008, USEPA conducted another MNA evaluation titled 2008 Final MNA Assessment. The reports containing these evaluations conclude that MNA is a viable remedy for the farfield plume. Monitoring data indicate groundwater contaminant concentration trends are either decreasing or stable, and exhibit the presence of the full range of 1,1,1-TCA breakdown products within the farfield plume and/or wells bounding the farfield plume.

Since approximately January 2008, groundwater extraction and treatment rates of the nearfield treatment system have been increased to rates that could not be consistently maintained prior to the installation of the alternate water supply; previously, higher pumping rates caused negative impacts to private residential wells in the vicinity of the extraction wells. At that point in time, all impacted residents had been connected to the alternate water supply of the HFWD. This action has accelerated contaminant removal in the nearfield plume and also has enlarged the capture zone of the nearfield groundwater treatment system.

For further details regarding the site's regulatory history, please consult the 2000 ROD and the 2008 ROD Amendment.

1.3 Groundwater Conditions

Site investigations have indicated that groundwater in the bedrock aquifer is contaminated with various site-related VOCs, including 1,1,1-TCA, TCE, 1,1-DCE, and 1,1-DCA, above Federal and NYS MCLs. Groundwater samples have historically been collected from 25 monitoring wells, including 20 standard wells and five Flexible Liner Underground Technologies, Inc. (FLUTe^{TM}) wells (MW-17 to MW-21) which have multiple sampling ports. Samples have been periodically collected from the majority of the wells since 1999; wells MW-16 through MW-20 were installed in 2003 and MW-21 was installed in 2008.

Sampling and analysis for MNA parameters began at most of the monitoring wells in April 2006 and has continued semi-annually; data has also been collected at some residential wells (during the 2006-2007 timeframe). Analytical parameters have historically included methane, ethane, ethene (collectively, MEE); nitrate, nitrite, total organic carbon (TOC), total alkalinity, alkalinity carbonate, sulfide, and chloride; field parameters have historically included dissolved oxygen (DO), oxidation/reduction potential (ORP), and ferrous iron. In order to obtain sufficient data to complete a full MNA evaluation of the current plume, the monitoring wells were sampled on a quarterly basis for four years beginning in December 2007 for VOCs and 1,4-dioxane, along with standard field-monitored parameters.

The hydraulic gradient has historically been impacted by the operation of the groundwater extraction and treatment system. The completed public water system has resulted in the termination of use of private wells in the area of groundwater contamination as potable supplies. Downgradient monitoring wells have historically provided no suggestion of increasing trends in any of the contaminants, except for MW-14B, MW-19 intervals -2 and -3, and MW-21. At MW-14B and MW-19 intervals -2 and -3, slight increases in site-related contaminants have been recently detected; however, the detected concentrations remain below the MCLs. At MW-21 (installed in 2009), all six sampling intervals have historically exhibited detectable concentrations of site-related contaminants, with 1,1,1-TCA and 1,1-DCE detected at concentrations above the MCL in all intervals. The deepest interval at MW-21 also exhibited a 1,1-DCA concentration above the MCL, and a detectable concentration of 1,4-dioxane.

All wells in the farfield plume with statistically significant trends have historically shown decreasing contaminant concentrations. The increased extraction rates of the nearfield treatment system and the potential source removal from the SVE system increase the likelihood that the plume margins will shrink in the future.

The 2008 Final MNA Assessment (USACE 2008) verified that the chemical and geochemical data show definitive evidence for MNA at the Site. The data supports the various MNA mechanisms, including:

1. Decreasing contaminant concentrations in the nearfield plume;
2. Stable and low or non-detectible contaminant concentrations in the farfield plume;
3. The full range of 1,1,1-TCA breakdown products detected in the farfield plume and/or the wells bounding it; and
4. The presence of reducing conditions in localized areas in both the near and farfield plumes.

Water level data continue to be collected and carefully monitored to ensure that the nearfield plume generally remains under hydraulic control. A potentiometric surface map for the January 2013 sampling event is provided as **Figure 2**. Groundwater flow generally mimics topography, with a steep downward gradient to the north of the site. Extraction well pumping in the vicinity of the treatment plant has resulted in a localized drawdown that has historically provided capture of a significant portion of the groundwater contaminated with VOCs.

2.0 Monitoring Well Sampling

The LTM program includes annual recording of water levels, recording of water quality parameters, and collection and analysis of groundwater samples, with the following objectives:

1. Provide an indication of the movement of the contaminants and daughter products;
2. Verify no unacceptable impact to downgradient receptors;
3. Detect changes in environmental conditions which may affect natural attenuation; and
4. Provide an indication of the progress of remedial activities and the attainment of remedial objectives.

Annual monitoring includes wells representative of background conditions, horizontal and vertical plume assessment, and the center of the plume, and includes sentinel wells along the established perimeter. **Table 2-1** Monitoring Well Projected Long Term Monitoring Frequency presents the monitoring wells included in the LTM well network and the proposed sampling frequency, as described in the January 2013 Draft LTM Plan. The wells proposed for analyses of MNA parameters have been selected based on USACE's 2008 MNA Assessment, evaluations of the groundwater geochemistry conditions, the presence of degradation products, and the physical locations of the monitoring wells. In accordance with the LTM plan, MNA parameters will only be analyzed every five years to support the five-year review process.

Note that there are three wells within the network that have not historically been monitored (MW-7B, MW-9, and MW-11); these wells are not recommended for annual sampling. **Figure 3** Monitoring Well Network identifies the location of each monitoring well and whether they are considered on-site or off-site wells.

2.1 January 2013 Annual Sampling Event

AECOM sampled 20 standard monitoring wells and 4 FLUTe wells between January 14 and January 31, 2013, for the first annual sampling event under Contract No. W912DQ-11-D-3003, Delivery Order 0003, supporting the LTM program. Daily Quality Control Reports (DQCRs) were completed for each day that samples were collected and are included in Appendix A. All standard (non-FLUTe) monitoring wells were purged and sampled in accordance with the USEPA Region 2 Low Stress (or Low Flow) Purging and Sampling Procedure using a portable purging system in which the same pump was used to both purge and sample the well. The FLUTe wells were purged and sampled using the procedures outlined in the FLUTe Standard Operating Procedures (SOP) manual developed by the manufacturer. Well purging and sampling records for each well are provided in Appendix B.

A total of 40 samples (including duplicate, matrix spike, matrix spike duplicate, and equipment blank samples) were collected and sent to the USEPA Region 2 DESA Laboratory in Edison, New Jersey for analysis of VOCs (SOM01.2); chloride, nitrate, and nitrite (SW-300.1); carbon dioxide and total alkalinity (SW-310.1); sulfide (SW-9030B); total organic carbon (TOC; SW-415.1); and MEE (RSK-175).

A table entitled "Historical Summary of Groundwater Analytical Results" is provided in Appendix C, listing results for the four primary chlorinated COCs detected during previous groundwater sampling events, along with historical 1,4-dioxane results. A table that provides complete historical analytical

results is also included in Appendix C. Laboratory data validation is not provided by AECOM, as the data is validated by USEPA through the CLP program; laboratory data is not included in this report, but is available in the USACE and USEPA project files. Although the DESA laboratory does not require a Sampling Trip Report, one was generated for the January 2013 annual sampling event and is included in Appendix D.

The following summarizes issues encountered during the January 2013 sampling event:

- Ports 1 through 3 on FLUTe well MW-18 could not be sampled due to freezing temperatures.
- Port 3 on FLUTe well MW-21 could not be sampled due to freezing temperatures.
- Due to holding time exceedances and sample cooler ice melt, samples MW-21-1 and DUP-2 were not analyzed for VOCs, MEE, and TOC.
- Due to holding time exceedances and sample cooler ice melt, samples MW-21-2, MW-21-4, MW-21-5, MW-21-6, and DUP-2 were not analyzed for nitrate, nitrite, and chloride.

The USACE was notified of these issues; after discussions, AECOM was instructed not to remobilize to the MRIP site to resample MW-21 and collect another duplicate sample.

All sampling procedures followed the approved QAPP, with the exception of field modifications for wells that exhibited excessive drawdown (purged “dry”). Wells MW-1B and MW-4 were not purged/sampled in accordance with USEPA Region 2 Low Flow Procedures. The water levels in these two wells decreased more than the 0.33 feet recommended in the USEPA protocol, but they were purged "dry" and then sampled, which does not follow the guidance. The "excessive drawdown" protocol will be reviewed with the field crew before the next sampling event, including stopping the pump before the well is purged dry, letting it recharge, then immediately sampling without resuming stabilization efforts.

Table 2-1 Monitoring Well Projected Long-Term Monitoring Frequency

Monitoring Well[1]	Sampling Interval[2]			Total Well Depth		Projected Long-Term Monitoring Frequency[1]			
	#	Depth (ft bgs)	Elev. (msl)	(ft bgs)	Elev. (msl)	2012	2013	MNA Parameters[1]	Location
ERT-1[6]	1	intake	intake	195.00	108.94	Annual	Annual	No	On-site
ERT-2	1	190.00	119.81	200.00	109.81	Annual	Annual	No	On-site
ERT-3	1	210.00	105.89	220.00	95.89	Annual	Annual	Yes	On-site
ERT-4[3]	1	45.00	NA	50.00	NA	Annual	Annual	Yes	On-site
MW-1B[4]	1	90.00	243.53	100.00	233.53	Annual	Annual	Yes	On-site
MW-4[3]	1	16.00	313.21	21.50	307.71	Annual	Annual	Yes	On-site
MW-5B[3]	1	33.00	292.30	36.20	289.10	Annual	Annual	No	On-site
MW-5R[6]	1	intake	intake	125.00	188.63	Annual	Annual	No	On-site
MW-6B	1	90.00	233.95	100.00	223.95	Annual	Annual	No	On-site
MW-7B	1	90.00	223.93	100.00	213.93	G	G	No	On-site
MW-7R[6]	1	intake	intake	180.00	134.30	Annual	Annual	No	On-site
MW-8B	1	90.00	69.68	100.00	59.68	Annual	Annual	No	Off-site
MW-9	1	78.00	169.77	88.00	159.77	G	G	No	Off-site
MW-9B	1	135.00	113.21	145.00	103.21	Annual	Annual	No	Off-site
MW-10B	1	90.00	135.64	100.00	125.64	Annual	Annual	No	Off-site
MW-11	1	NR	NR	40.00	242.43	G[10]	G[10]	No	On-site
MW-11B	1	171.00	110.72	181.00	100.72	Annual	Annual	Yes	On-site
MW-11C	1	210.00	74.58	220.00	64.58	Annual	Annual	Yes	On-site

MW-12B	1	190.00	68.20	200.00	58.20	Annual	Annual	Yes	Off-site
MW-13B[5]	1	200.00	NA	200.00	21.93	Annual	Annual	No	Off-site
MW-14B	1	145.00	11.67	155.00	1.67	Annual	Annual	No	Off-site
MW-15B	1	140.00	104.89	150.00	94.89	Annual	Annual	Yes	Off-site
MW-16	1	80.00	194.11	93.00	181.11	Annual	Annual	Yes	Off-site
MW-17	1	47.00	194.92	57.00	184.92	Annual	Annual	Yes	Off-site
	2	102.50	139.42	110.00	131.92	Annual	Annual	Yes	Off-site
	3	124.00	117.92	129.00	112.92	Annual	Annual	Yes	Off-site
MW-18	1	96.00	108.45	101.00	103.45	Annual	Annual	No	Off-site
	2	123.00	81.45	128.00	76.45	Annual	Annual	No	Off-site
	3	140.00	64.45	145.00	59.45	Annual	Annual	No	Off-site
MW-19[5]	1	41.50	88.38	49.00	80.88	Annual	Annual	Yes	Off-site
	2	87.50	42.38	95.00	34.88	Annual	Annual	Yes	Off-site
	3	187.50	-57.62	195.00	-65.12	Annual	Annual	Yes	Off-site
MW-20	1	67.00	135.84	77.00	125.84	Annual	Annual	No	Off-site
	2	97.50	105.34	111.50	91.34	Annual	Annual	No	Off-site
	3	144.00	58.84	149.00	53.84	Annual	Annual	No	Off-site
MW-21[5]	1	42.75	190.84	48.00	185.59	Annual	Annual	Yes	Off-site
	2	67.00	166.59	69.50	164.09	Annual	Annual	Yes	Off-site
	3	75.50	158.09	78.00	155.59	Annual	Annual	Yes	Off-site
	4	121.50	112.09	124.00	109.59	Annual	Annual	Yes	Off-site
	5	142.50	91.09	145.00	88.59	Annual	Annual	Yes	Off-site
	6	160.50	73.09	163.00	70.59	Annual	Annual	Yes	Off-site

[1]Environmental sample locations, frequency of collection of environmental samples, and water quality parameters may be altered in response to significant changes in data throughout the course of the program and at the direction of the USACE/USEPA.

[2]Sampling Interval designates depth to pump intake or FLUTe sampling port, in feet below ground surface (ft bgs).

[3]Well located within former septic tank area.

[4]Background well.

[5]Artesian well; MW-19 and MW-21 are periodically artesian.

[6]Extraction well.

Ann: annually (1 time/year)
Elev: elevation
ft bgs: feet below ground surface
G: elevation gauging only (sampling not currently projected at this well)
MNA: monitored natural attenuation
msl: mean sea level
NA: not available
NR: not recorded
#: number

3.0 Monitoring Well Sampling Results

During the January 2013 annual monitoring well sampling event, 20 standard groundwater monitoring wells and a total of 13 ports in 4 FLUTe wells were sampled, for 33 individual sampling locations. A total of 40 samples (including duplicate, matrix spike, matrix spike duplicate, and equipment blank samples) were submitted to the USEPA Region 2 DESA Laboratory for analysis of VOCs, chloride, nitrate, nitrite, carbon dioxide, total alkalinity, sulfide, TOC, and MEE.

Analytical results show that one of the on-site monitoring wells (MW-1B) and five of the off-site sampling locations (MW-8B, MW-10B, MW-13B, MW-19-1, and MW-20-3) were below detection limits for all COCs. A total of 17 of the 33 sampling locations showed concentrations for COCs above the NYS MCLs. **Figure 4** shows the total VOC isoconcentration map for the January 2013 event (COCs only), and **Figures 5 through 8** are the isoconcentration maps of the individual COCs. The nearfield plume isoconcentration line (1,000 µg/L) is noted in red on the Figure 4 (only one well has total VOCs greater than 1,000 µg/L; no individual COCs were greater than 1,000 µg/L during the January 2013 event). **Table 3-1** provides a summary of the January 2013 sampling event analytical results. Total VOCs for this project is defined as the addition of the detectable concentrations of the site-related COCs: TCE, 1,1,1-TCA, and 1,1,1-TCA degradation compounds 1,1-DCA and 1,1-DCE.

Historical COC trend graphs are provided in Appendix E for all of the site-related monitoring wells that have meaningful data (concentrations historically above detection limits). The wells have been grouped in accordance with their physical locations with respect to the historical plume, for ease of trend comparison:

- Source area extraction wells ERT-1, MW-5R, and MW-7R
- Source area wells MW-4, MW-5B, and MW-6B
- Source area wells ERT-2, ERT-3, and ERT-4
- Mid-plume wells MW-11C, MW-12B, MW-15B
- Mid-plume wells MW-9B, MW-11B, and MW-16
- Farfield FLUTe well MW-17, ports 1 through 3
- Farfield FLUTe well MW-19, ports 1 through 3
- Farfield FLUTe well MW-21, ports 1 through 3
- Farfield FLUTe well MW-21, ports 4 through 6

The first set of graphs for each well grouping includes the COCs 1,1-DCA, 1,1-DCE, and TCE, which are similar in relative concentrations; 1,1,1-TCA graphs are shown separately, as the magnitude of that compound is typically greater than the others. These graphs generally demonstrate the stability of the plume over the past 13 years, with significant downward trends in most of the wells.

The following sections summarize the analytical results and trends of each of the four Site-related COCs.

3.1 1,1-Dichloroethene Results

1,1-DCE concentrations were below the method detection limits (non-detect) at one on-site well (MW-1B) and eight off-site sampling locations (MW-8B, MW-9B, MW-10B, MW-13B, MW-19-1, and ports 1 through 3 of MW-20). 1,1-DCE concentrations were above the method detection limits but below the NYS MCL of 5 µg/L at one on-site well (MW-6B) and eight off-site sampling locations (MW-14B, MW-16, ports 2 and 3 of FLUTe well MW-19, and ports 2, 4, 5, and 6 of MW-21).

1,1-DCE concentrations were above the NYS MCL of 5 µg/L at ten on-site wells (MW-4, MW-5B, MW-5R, MW-7R, MW-11B, MW-11C, ERT-1, ERT-2, ERT-3, and ERT-4), ranging up to 78 µg/L at MW-5B, and above MCLs at five off-site sampling locations (MW-12B, MW-15B, and ports 1 through 3 of MW-17), ranging from up to 33 µg/L at MW-15B. As shown in the trend graphs in Appendix E, 1,1-DCE trends are generally declining across the site.

3.2 1,1-Dichloroethane Results

1,1-DCA concentrations were below the method detection limits (non-detect) at two on-site wells (MW-1B and MW-6B) and eleven off-site sampling locations (MW-8B, MW-9B, MW-10B, MW-13B, MW-16, MW-19-1, ports 1 through 3 of MW-20, and ports 2 and 5 of MW-21). 1,1-DCA concentrations were above the method detection limits but below the NYS MCL of 5 µg/L at two on-site wells (2.4 µg/L at MW-5R and 1.3 µg/L at MW-11C) and five off-site sampling locations (MW-14B, ports 2 and 3 of MW-19, and ports 4 and 6 of MW-21), ranging up to 1.9 µg/L at MW-14B.

1,1-DCA concentrations were above the NYS MCL of 5 µg/L at eight on-site wells (MW-4, MW-5B, MW-7R, MW-11B, and ERT-1, ERT-2, ERT-3, and ERT-4), ranging up to 26 µg/L at MW-4, and at five off-site sampling locations (MW-12B, MW-15B, and ports 1 through 3 of MW-17), ranging up to 15 µg/L at MW-15B. As shown in the trend graphs in Appendix E, 1,1-DCA trends are generally declining across the site.

3.3 1,1,1-Trichloroethane Results

1,1,1-TCA concentrations were below the method detection limits (non-detect) at one on-site well (MW-1B) and ten off-site sampling locations (MW-8B, MW-10B, MW-13B, MW-14B, ports 1 through 3 of MW-19, and ports 1 through 3 of MW-20). 1,1,1-TCA concentrations were above the method detection limits but below the NYS MCL of 5 µg/L at five off-site sampling locations (MW-9B and ports 2, 4, 5, and 6 of MW21).

1,1,1-TCA concentrations were above the NYS MCL of 5 µg/L at eleven on-site wells (MW-4, MW-5B, MW-5R, MW-6B, MW-7R, MW-11B, MW-11C, and ERT-1, ERT-2, ERT-3, and ERT-4) ranging up to 840 µg/L at ERT-4, and at six off-site sampling locations (MW-12B, MW-15B, MW-16, and ports 1 through 3 of MW-17), ranging up to 75 µg/L at MW-15B. As shown in the trend graphs in Appendix E, 1,1,1-TCA trends are generally declining across the site.

3.4 Trichloroethene Results

TCE concentrations were below the method detection limits (non-detect) at two on-site wells (MW-1B and MW-6B) and twelve off-site sampling locations (MW-8B, MW-9B, MW-10B, MW-13B, MW-14B, MW-17-3, port 1 through 3 of MW-19, and ports 1 through 3 of MW-20). TCE concentrations were above the method detection limits but below the NYS MCL of 5 µg/L at three on-site wells (MW-7R, MW-11B, and MW-11C) and nine off-site sampling locations (MW-12B, MW-15B, MW-16, ports 1 and 2 of MW-17, and ports 2, 4, 5, and 6 of MW-21).

TCE concentrations were above the NYS MCL of 5 µg/L at seven on-site wells (MW-4, MW-5B, MW-5R, and ERT-1, ERT-2, ERT-3, and ERT-4), ranging up to 190 µg/L at MW-4. There were no off-site wells with TCE concentrations above the NYS MCL. As shown in the trend graphs in Appendix E, TCE trends are generally declining across the site.

3.5 General COC Trends

Source area (on-site) wells MW-4, MW-5B, MW-5R, MW-7R, ERT-1, ERT-3, and ERT-4 concentrations continue to show consistent downward historical trends, while results for source area wells MW-6B and ERT-2 were relatively consistent with historical values. Source area extraction well MW-5R had historical low levels of 1,1-DCE, 1,1-DCA, and 1,1,1-TCA, and ERT-4 was well below historical averages.

Wells immediately downgradient from the source area (MW-11B, MW-11C, and MW-15B) and mid-plume well MW-12B generally had VOC concentrations above 10 µg/L, and concentrations in these wells remained relatively consistent with historical results. Mid-plume well MW-9B had concentrations at or below detection limits, consistent with historical observations.

Mid-plume well MW-16 has shown significant fluctuation for all compounds over its 8-year history. This well is the shallowest well that is routinely sampled, and it has historically exhibited a seasonal trend, with generally higher concentrations during summer and fall sampling events, lower concentrations during winter events, and even lower concentrations in sampling events between April and June. The October 2009, 2010, and 2011 results were higher (100 to 200 µg/L total VOCs), while the May 2009, July 2009, and June 2011 events had very low levels (1 to 5 µg/L total VOCs). The February 2009 and January 2013 events were in between the two extremes (43 and 10 µg/L total VOCs, respectively). MW-16 is located in an area of anomalous geology for the site which could be a significant factor in the fluctuating concentrations.

Side-gradient wells MW-8B, MW-10B, MW-13B, and all three ports of FLUTe wells MW-18 and MW-20 were below detection limits for all constituents, demonstrating continued delineation of the groundwater plume to the northwest and on the eastern side of the farfield plume.

Concentrations of all parameters in all 3 ports of farfield FLUTe well MW-17 were reported as historical lows (with the exception of 1,1-DCA in MW-17-3, which is slightly above the lowest historical value). Mid-plume/side-gradient FLUTe well MW-21 also had historical lows for all compounds in the four ports that were able to be sampled. Farfield FLUTe well MW-19 continued to exhibit historically consistent levels, with all constituents below detection limits in port 1 of MW-19.

Farfield well MW-14B has been generally consistent since 2010, but it has shown a slight upward trend from historic levels. Between 1999 and 2008, the total VOCs in this well were less than 1 µg/L; total VOCs have ranged from 1.2 to 5.3 µg/L in this well since July 2008. FLUTe wells MW-19, which is immediately downgradient of MW-14B at the far edge of the plume, has been extremely consistent since 2009 (2 to 3 µg/L total VOCs in each of the three ports), but all compounds were below detection limits in all three ports between well installation in 2003 and 2008.

Source area well MW-4 has shown significant decreases over the past six sampling events (since April 2007). In June 2011, downgradient (farfield) well MW-8B had reported concentrations above any historical results for 1,1-DCE and 1,1-DCE; these constituents returned to non-detect levels in January 2013. All other wells continue to exhibit consistent to decreasing contaminant trends.

3.6 MNA Results

Although the 1,1-DCE and 1,1-DCA concentration decreases in the farfield plume appear to be primarily related to non-destructive mechanisms (dilution, dispersion, and advection), there is evidence of reductive dechlorination in localized anaerobic areas in both the near and farfield. The viability of MNA associated with the site is supported by the following observations:

- Decreasing contaminant concentrations in the nearfield;
- Stable and low or non-detectible contaminant concentrations in the farfield;
- Presence of the full range of 1,1,1-TCA daughter products in the farfield and/or the wells bounding the farfield; and
- Presence of reducing conditions bounding the plume in the farfield.

3.7 Groundwater Level Measurements

A potentiometric surface map for the January 2013 sampling event is provided as **Figure 2**. Groundwater flow generally mimics topography, with a steep downward gradient to the north of the site. Extraction well pumping in the vicinity of the treatment plant has resulted in a localized drawdown that has historically provided capture of a significant portion of the groundwater contaminated with VOCs.

Table 3-1 – January 2013 Annual Sampling Event Groundwater Analytical Results Summary

Monitoring Well ID	1,1-DCE (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	TCE (µg/L)	1,4-Dioxane (µg/L)	Location
MW-1B	0.5U	0.5U	0.5U	0.5U	NA	On-site
MW-4	**42**	**26**	**400**	**190**	NA	On-site
MW-5B	**78**	**6.4**	**650**	**73**	NA	On-site
MW-5R	**10**	2.4	**25**	**5.3**	NA	On-site
MW-6B	2.0	0.5U	**7.2**	0.5U	NA	On-site
MW-7R	**19**	**24**	**73**	2.2	NA	On-site
MW-8B	0.5U	0.5U	0.5U	0.5U	NA	Off-site
MW-9B	0.5U	0.5U	0.52	0.5U	NA	Off-site
MW-10B	0.5U	0.5U	0.5U	0.5U	NA	Off-site
MW-11B	**13**	**6.9**	**6.2**	2.4	NA	On-site
MW-11C	**6.5**	1.3	**5.5**	1.2	NA	On-site
MW-12B	**11**	**5.7**	**5.3**	2.8	NA	Off-site
MW-13B	0.5U	0.5U	0.5U	0.5U	NA	Off-site
MW-14B	1.9	1.9	0.5U	0.5U	NA	Off-site
MW-15B	**33**	**15**	**75**	1.8	NA	Off-site
MW-16	4.1	0.5U	**5.6**	0.65	NA	Off-site
MW-17-1	**22**	**6.1**	**25**	4.4	NA	Off-site
MW-17-2	**25**	**9.5**	**24**	3.7	NA	Off-site
MW-17-3	**30**	**13**	**28**	0.5U	NA	Off-site
MW-18-1	NS	NS	NS	NS	NS	Off-site
MW-18-2	NS	NS	NS	NS	NS	Off-site
MW-18-3	NS	NS	NS	NS	NS	Off-site
MW-19-1	0.5U	0.5U	0.5U	0.5U	NA	Off-site
MW-19-2	1.0	1.0	0.5U	0.5U	NA	Off-site
MW-19-3	0.94	0.96	0.5U	0.5U	NA	Off-site
MW-20-1	0.5U	0.5U	0.5U	0.5U	NA	Off-site
MW-20-2	0.5U	0.5U	0.5U	0.5U	NA	Off-site
MW-20-3	0.5U	0.5U	0.5U	0.5U	NA	Off-site
MW-21-1	NS	NS	NS	NS	NA	Off-site
MW-21-2	2.0	0.5U	3.0	1.2	NA	Off-site
MW-21-3	NS	NS	NS	NS	NS	Off-site
MW-21-4	2.4	0.63	3.3	1.1	NA	Off-site
MW-21-5	2.3	0.5U	3.3	1.2	NA	Off-site
MW-21-6	2.8	0.85	3.4	1.2	NA	Off-site
ERT-1	**30**	**10**	**65**	**8.3**	NA	On-site
ERT-2	**27**	**12**	**32**	**6.4**	NA	On-site
ERT-3	**22**	**15**	**87**	**34**	NA	On-site
ERT-4	**68**	**18**	**840**	**78**	NA	On-site

Notes:

This table provides a summary of the January 2013 groundwater monitoring well sampling results for the MRIP Site, for only four primary chlorinated VOC contaminants of concern, as follows:

1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene

U = Non-detect compound.
J = Estimated value.
NA = Not analyzed.
NS = Not sampled.

Other VOCs were detected during the January 2013 annual sampling event at varying locations.

A complete summary of the analytical results for the January 2013 event is included in Appendix C.

The NYS MCL for TCE, 1,1,1-TCA, 1,1-DCA, and 1,1-DCE is 5 µg/L; the MCL for 1,4-dioxane is 50 µg/L.

Results that exceed the NYS MCL are bold and shaded.

All data expressed in concentrations of micrograms per liter (µg/L) or parts per billion (ppb).

4.0 Conclusions and Recommendations

As shown on the historical summary table in Appendix C, the highest contaminant concentrations were detected in on-site wells, along with immediately downgradient well MW-15B, consistent with previous results. Contaminants were detected above method detection limits in all on-site wells except for background well MW-1B (upgradient).

Source area wells generally continue to show consistent downward historical trends or concentrations consistent with historical values. Mid-plume wells generally had VOC concentrations above 10 µg/L, and concentrations in these wells remained relatively consistent with historical results. Mid-plume well MW-16 continued to produce fluctuating concentrations based on the season (low levels in the spring, slightly higher levels in the winter, and levels an order of magnitude higher in summer and fall). MW-16 is located in an area of anomalous geology for the site which could be a significant factor in the fluctuating concentrations. Side-gradient wells were below detection limits for all constituents, demonstrating continued delineation of the groundwater plume to the northwest and on the eastern side of the farfield plume.

Concentrations of all parameters in farfield FLUTe well MW-17 and mid-plume/side-gradient FLUTe well MW-21 had historical lows for all compounds. Farfield wells MW-14B and FLUTe well MW-19 have continued to exhibit historically consistent levels since 2010, but with a slight upward trend from historic levels. Between 1999 and 2008, the total VOCs in these wells were less than 1 µg/L and/or below detection limits; total VOCs have ranged from 1.2 to 5.3 µg/L in these wells since 2008. The consistent results indicate a stable leading edge of the plume over the past five years.

COC trend graphs are provided in Appendix E for all of the site-related monitoring wells that have meaningful data (concentrations historically above detection limits). These graphs generally demonstrate the plume stability over the past 13 years, with significant downward trends in most of the wells. Isoconcentration maps for total VOCs and each of the individual COCs are provided as Figures 4 through 8, showing the approximate current locations of the contaminant plume.

USACE prepared a memorandum on the recommended sampling strategy for the MNA remedy dated March 11, 2011. The following provides a summary of some of the key findings from that document:

- TCE and 1,1,1-TCA concentrations have generally declined over time at wells located both in the near and farfield sections of the groundwater plume.
- All wells over the cleanup level for TCE showed statistically significant downward trends in concentration over time, with the exception of MW-5B which is located in/near the source area and was subject to continuing vadose zone source area contaminant flux at the time (source area was undergoing remediation via SVE at that time).
- All wells over the cleanup level for 1,1,1-TCA showed statistically significant downward trends in concentration over time, with the exception of MW-5B and MW-17-3. MW-5B is located in the source area. It is unclear why MW-17-3 was not showing a statistically significant reduction in concentrations; this well did show an overall downward trend for

1,1,1-TCA over the previous seven years, but not to the 95% confidence limit criteria used for the statistical analysis.

- A much smaller number of monitoring wells in the near and farfield plumes showed statistically significant decreases in concentrations for 1,1-DCE and 1,1-DCA. This is likely due to the competing effects of natural attenuation of the compounds vs. the generation of these two compounds via the degradation of TCE and 1,1,1-TCA.
- The monitoring wells at the edges of the plume show very low concentrations for all contaminants of concern, all with stable or decreasing trends. All wells with statistically significant trends are decreasing. Coupled with the fact that nearfield concentrations are stable or decreasing, the plume is likely stable.
- The majority of the monitoring wells show geochemical conditions not conducive to reductive chlorination. However, marginally reducing conditions are present in wells bordering the plume edge from the southwest to the northeast, indicating that any contamination that reaches beyond the current plume boundaries would likely attenuate naturally before reaching residential wells.

In general, the analytical data continues to be consistent with the historical trends described by USACE. COC concentrations in MW-5B have decreased since the USACE analysis, and have remained steady over the past three sampling events. MW-17-3 has also shown consistent/ downward trends since 2009.

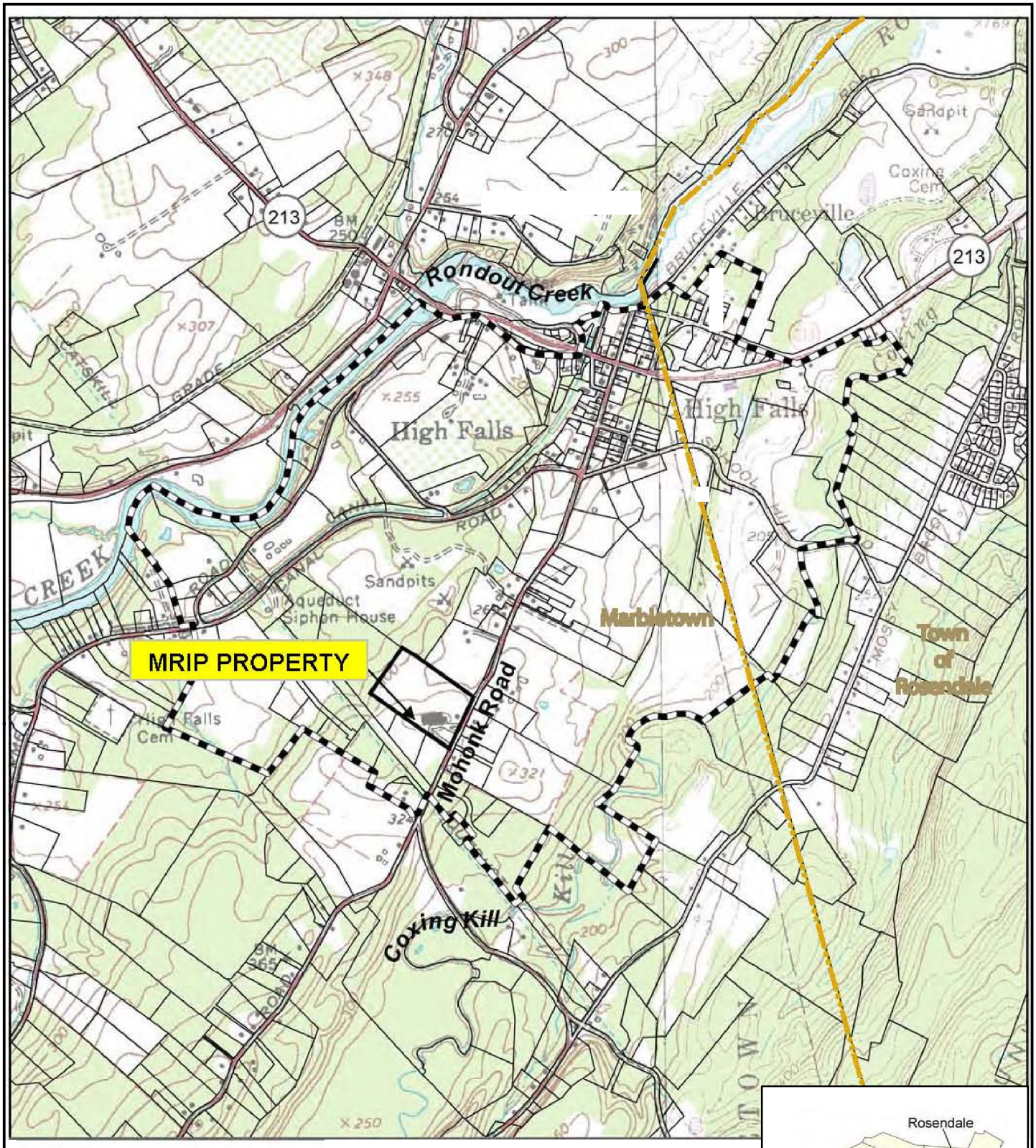
The current monitoring well network is sufficient to ensure the continued protection of downgradient wells while also continuing to monitor the effectiveness of MNA, as evidenced by the following facts:

- The current and historical boundaries of both nearfield and farfield plumes are defined;
- The network is protective of potential receptors by having sentinel and warning wells in the correct locations/depths;
- Sufficient wells are located in the midpoint of the plume to show contaminant concentration trends; and
- Continued assessment of the LTM network will continue to be evaluated on a yearly basis after the annual sampling events and during the Five-Year Review reports.

The sampling program has been evaluated as part of the Long-Term Groundwater Monitoring Plan dated January 2013, prepared by AECOM. The sampling locations, frequencies, and analytical parameters have been found to be representative of the groundwater, protective of the environment, and adequate to continue to monitor the effectiveness of the remedy. Therefore, the next annual sampling program is recommended to include the same wells and parameters as the January 2013 event, with two exceptions. At the request of USEPA, 1,4-dioxane analysis has been added for all wells. Gases, metals, and wet chemistry associated with MNA parameters are only recommended to be collected every five years, so these parameters will be excluded from the next event.

The next annual sampling event is scheduled for October/November 2013 to continue to evaluate the natural attenuation of the groundwater plume, as well as to ensure continued residential protection downgradient of the High Falls Water District. The fall timeframe is better suited in order to avoid the FLUTe well freezing port problems encountered during the January 2013 event and described in Section 2.1.

Figures



AECOM
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Phone: 703.549.8728 FAX: 703.549.9134 aecom.com

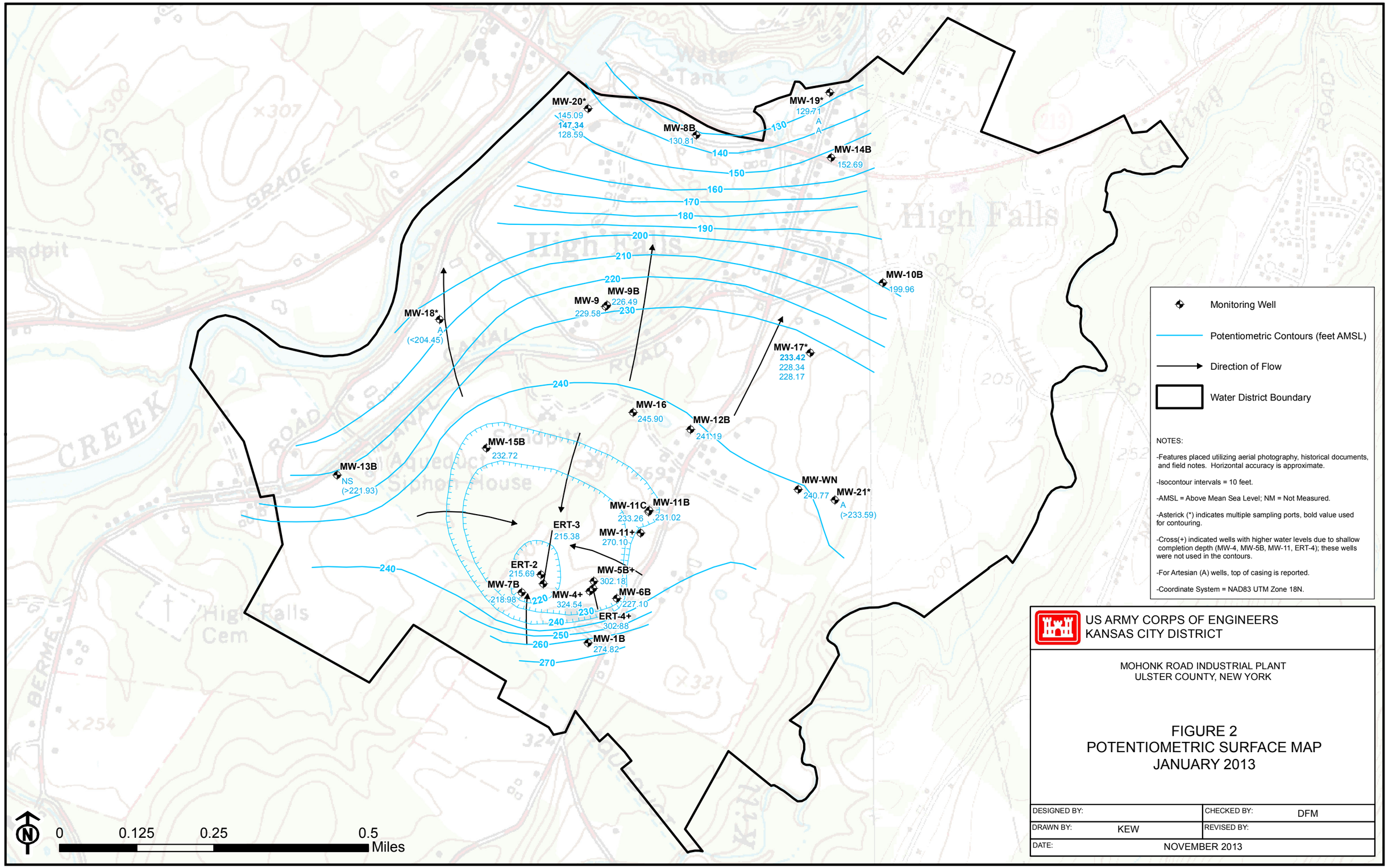
Mohonk Road Industrial Plant Ulster County, New York

FIGURE 1

Site Location Map

CONTRACT NO	TASK NO
##########	####
DESIGNED BY K. Weber	DRAWN BY K. Weber
CHECKED BY F. Metcalf	DATE June 2013
SCALE See Figure	SHEET 1 of 1

Figure_1.mxd



Monitoring Well

Potentiometric Contours (feet AMSL)

Direction of Flow

Water District Boundary

NOTES:

-Features placed utilizing aerial photography, historical documents, and field notes. Horizontal accuracy is approximate.

-Isocontour intervals = 10 feet.

-AMSL = Above Mean Sea Level; NM = Not Measured.

-Asterick (*) indicates multiple sampling ports, bold value used for contouring.

-Cross(+) indicated wells with higher water levels due to shallow completion depth (MW-4, MW-5B, MW-11, ERT-4); these wells were not used in the contours.

-For Artesian (A) wells, top of casing is reported.

-Coordinate System = NAD83 UTM Zone 18N.

US ARMY CORPS OF ENGINEERS
KANSAS CITY DISTRICT

MOHONK ROAD INDUSTRIAL PLANT
ULSTER COUNTY, NEW YORK

FIGURE 2
POTENTIOMETRIC SURFACE MAP
JANUARY 2013

DESIGNED BY:	CHECKED BY: DFM
DRAWN BY: KEW	REVISED BY:
DATE: NOVEMBER 2013	

Mohonk Road Industrial Plant Ulster County, New York

FIGURE 3

Monitoring Well Network

AECOM

CONTRACT NO. ##########	TASK NO. ####
DESIGNED BY K. Weber	DRAWN BY K. Weber
CHECKED BY F. Metcalf	DATE June 2013
SCALE 1" = 1,300'	SHEET 1 of 1

Figure_3.mxd

MW-20*
NA
6.2
ND

MW-8B
ND

MW-19*
ND
2.0
1.9

MW-14B
3.8

MW-10B
ND

MW-18*
NS

MW-9
NS

MW-9B
0.52

MW-17*
58
62
71

MW-16
10.4

MW-12B
25

MW-15B
25

MW-13B
ND

MW-21*
10.3
8.5
NS
7.4
6.8
8.3

MW-11C
15

MW-11B
29

MW-11
NS

ERT-3
158

ERT-1
113

MW-5R
43

ERT-2
77

MW-5B
807

MW-7B
NS

MW-4
658

MW-6B
9.2

MW-7R
118

ERT-4
1004

MW-1B
ND

10

100

Monitoring Well

Extraction Well

Concentration Contour:

≤100 ppb

1000 ppb

Water District Boundary

NOTES:
-Features placed utilizing aerial photography, historical documents, and field notes. Horizontal accuracy is approximate.
-Isocontour intervals = 10 feet
-AMSL = Above Mean Sea Level; NM = Not Measured
=Asterick (*) Indicated multiple sampoing ports, only one representative value reported here.
-For Artesian (A) wells, top of casing is reported
-Coordinate System = NAD83 UTM Zone 18N.

0 0.125 0.25 0.5 Miles

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MOHONK ROAD INDUSTRIAL PLANT
ULSTER COUNTY, NEW YORK

FIGURE 4
TOTAL VOLATILE ORGANIC COMPOUND ISOCONCENTRATION MAP
JANUARY 2013

DESIGNED BY:	CHECKED BY: DFM
DRAWN BY: KEW	REVISED BY:
DATE: NOVEMBER 2013	

MW-20*
NA
3.0
ND

MW-8B
ND

MW-19*
ND
ND
ND

MW-14B
ND

MW-10B
ND

MW-18*
NS

MW-9
NS

MW-9B
0.52

MW-17*
25
24
28

MW-16
5.6

MW-12B
5.3

MW-15B
75

MW-13B
ND

MW-21*
4.2
3.1
NS
3.3
3.3
3.4

MW-11C
5.5

MW-11B
6.2

MW-11
NS

ERT-3
87

ERT-1
65

MW-5R
25

ERT-2
32

MW-5B
650

MW-7B
NS

MW-4
400

MW-6B
7.2

MW-7R
73

ERT-4
840

MW-1B
ND

5
10
100

0 0.125 0.25 0.5 Miles

Monitoring Well

Extraction Well

1,1,1-TCA Concentration Contour

Water District Boundary

NOTES:
-Features placed utilizing aerial photography, historical documents, and field notes. Horizontal accuracy is approximate.
-Isocontour intervals = 10 feet
-AMSL = Above Mean Sea Level; NM = Not Measured
=Asterick (*) Indicated multiple sampoing ports, only one representative value reported here.
-For Artesian (A) wells, top of casing is reported
-Coordinate System = NAD83 UTM Zone 18N.

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ULSTER COUNTY, NEW YORK

FIGURE 5
1,1,1-TCA ISOCONCENTRATION MAP
JANUARY 2013

DESIGNED BY:	CHECKED BY: DFM
DRAWN BY: KEW	REVISED BY:
DATE: NOVEMBER 2013	

MW-20*
NA
ND
ND

MW-8B
ND

MW-19*
ND
1.0
0.96

MW-14B
1.9

MW-10B
ND

MW-18*
NS

MW-9
NS

MW-9B
ND

MW-17*
6.1
9.5
13

MW-16
ND

MW-12B
5.7

MW-15B
15

MW-13B
ND

MW-21*
0.57
0.54
NS
0.63
ND
0.85

MW-11C
1.3

MW-11B
6.9

MW-11
NS

ERT-3
15

ERT-1
10

MW-5R
2.4

ERT-2
12

MW-5B
6.4

MW-7B
NS

MW-4
26

MW-6B
ND

MW-7R
24

ERT-4
18

MW-1B
ND

5
10
10

High Falls
High Falls
High Falls Cem
Water Tank
CATSKILL GRADE
CANAL ROAD
Aqueduct Siphon House
SCHOOL HILL ROAD
BERME
CREEK

0 0.125 0.25 0.5 Miles

Monitoring Well

Extraction Well

1,1-DCA Concentration Contour

Water District Boundary

NOTES:
-Features placed utilizing aerial photography, historical documents, and field notes. Horizontal accuracy is approximate.
-Isocontour intervals = 10 feet
-AMSL = Above Mean Sea Level; NM = Not Measured
=Asterick (*) Indicated multiple sampoing ports, only one representative value reported here.
-For Artesian (A) wells, top of casing is reported
-Coordinate System = NAD83 UTM Zone 18N.

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ULSTER COUNTY, NEW YORK

FIGURE 6
1,1-DCA ISOCONCENTRATION MAP
JANUARY 2013

DESIGNED BY:	CHECKED BY: DFM
DRAWN BY: KEW	REVISED BY:
DATE: NOVEMBER 2013	

MW-20*
NA
2.0
ND

MW-8B
ND

MW-19*
ND
1.0
0.94

MW-14B
1.9

MW-10B
ND

MW-18*
NS

MW-9
NS

MW-9B
ND

MW-17*
22
25
30

MW-16
4.1

MW-12B
11

MW-15B
33

MW-13B
ND

MW-21*
3.4
3.5
NS
2.4
2.3
2.8

MW-11C
6.5

MW-11B
13

MW-11
NS

ERT-3
22

ERT-1
30

MW-5R
10

ERT-2
27

MW-5B
78

MW-7B
NS

MW-4
42

MW-6B
2.0

MW-7R
19

ERT-4
68

MW-1B
ND

5

10

0 0.125 0.25 0.5 Miles

Monitoring Well

Extraction Well

1,1-DCE Concentration Contour

Water District Boundary

NOTES:
-Features placed utilizing aerial photography, historical documents, and field notes. Horizontal accuracy is approximate.
-Isocontour intervals = 10 feet
-AMSL = Above Mean Sea Level; NM = Not Measured
=Asterick (*) Indicated multiple sampoing ports, only one representative value reported here.
-For Artesian (A) wells, top of casing is reported
-Coordinate System = NAD83 UTM Zone 18N.

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ULSTER COUNTY, NEW YORK

FIGURE 7
1,1-DCE ISOCONCENTRATION MAP
JANUARY 2013

DESIGNED BY:	CHECKED BY: DFM
DRAWN BY: KEW	REVISED BY:
DATE: NOVEMBER 2013	

MW-20*
NA
1.2
ND

MW-8B
ND

MW-19*
ND
ND
ND

MW-14B
ND

MW-10B
ND

MW-18*
NS

MW-9
NS

MW-9B
ND

MW-17*
4.4
3.7
0.5

MW-16
0.65

MW-12B
2.8

MW-15B
1.8

MW-13B
ND

MW-21*
1.8
1.4
NS
1.1
1.2
1.2

MW-11C
1.2

MW-11B
2.4

MW-11
NS

ERT-3
34
5

ERT-1
8.3

MW-5R
5.3

ERT-2
6.4

10

MW-5B
73

MW-7B
NS

MW-4
190

MW-6B
0.5

MW-7R
2.2

ERT-4
78

MW-1B
ND

Monitoring Well

Extraction Well

TCE Concentration Contour

Water District Boundary

NOTES:
-Features placed utilizing aerial photography, historical documents, and field notes. Horizontal accuracy is approximate.
-Isocontour intervals = 10 feet
-AMSL = Above Mean Sea Level; NM = Not Measured
=Asterick (*) Indicated multiple sampoing ports, only one representative value reported here.
-For Artesian (A) wells, top of casing is reported
-Coordinate System = NAD83 UTM Zone 18N.

0 0.125 0.25 0.5 Miles

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MOHONK ROAD INDUSTRIAL PLANT
ULSTER COUNTY, NEW YORK

FIGURE 8
TCE ISOCONCENTRATION MAP
JANUARY 2013

DESIGNED BY:	CHECKED BY: DFM
DRAWN BY: KEW	REVISED BY:
DATE: NOVEMBER 2013	

Appendix A

Daily Quality Control Reports (DQCRs)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/14/13 | AECOM Project No.: 60267313.2.1

Day	S	**M**	T	W	T	F	S
Weather	Bright Sun	Clear	**Overcast**	Rain	Snow		
Temp.	To 32	**32-50**	50-70	70-85	85 Up		
Wind	**Still**	Moderate	High	Report No.			
Humidity	Dry	Moderate	**Humid**				

AECOM Personnel On-Site: **Tim Steinhofer, Mark Howard, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Mobilization to site

Tailgate meeting and equipment setup.

Collected water levels for all wells on site.

Collected sample and MS/MSD from well ERT-1

Quality Control Activities (including field calibrations): **Calibrated YSI and Turbidimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **TS had shoulder separate while using a bolt cutter.**

Stopped work and left site to get medical attention. MH & MD continued work.

Explain any Delays or Work Stoppage: **TS getting shoulder injury**

Explain Developments Leading to Change in SOW or Finding of Fact: **TS getting medical attention**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **Review of Health and Safety documents and equipment for entire site.**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/14/13	AECOM Project No.: 60267313.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **Work on site will continue as schedule. TS will return tomorrow for work.**

Tomorrow's Expectations: **Sample two wells tomorrow.**

By: Tim Steinhofer Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/15/13 | AECOM Project No.: 60267313.2.1

Day	S	M	**T**	W	T	F	S
Weather	Bright Sun	Clear	**Overcast**	Rain	Snow		
Temp.	To 32	**32-50**	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	**Dry**	Moderate	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, Mark Howard, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):
Tailgate Meeting and equipment calibration
Collected samples from wells MW-9B MW-10B

Quality Control Activities (including field calibrations): **Calibrated YSI and Turbidimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **None**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **Health and Safety talk included in tailgate meeting.**
Equipment checked and calibrated.

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/15/13	AECOM Project No.: 60267313.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **Work on site will continue as schedule.**

Tomorrow's Expectations: **Sample two wells tomorrow.**

By: Tim Steinhofer Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/16/13 | AECOM Project No.: 60267313.2.1

Day	S	M	T	**W**	T	F	S
Weather	Bright Sun	Clear	Overcast	**Rain**	**Snow**		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	**Still**	Moderate	High	Report No.			
Humidity	Dry	**Moderate**	Humid				

AECOM Personnel On-Site: **Mark Howard and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Tailgate Meeting and equipment calibration **1 Cooler to EPA DESA**

Collected samples from wells MW-8B, MW-7R, and MW-5R

Collected MS/MSD from MW-7R

Collected DUP-1 from MW-5R

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **None**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **Health and Safety talk included in tailgate meeting.**

Equipment checked and calibrated.

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/16/13	AECOM Project No.: 60267313.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **Work on site will continue as schedule.**

Tomorrow's Expectations: **Sample two wells tomorrow.**

By: **Mark J. Howard** Title: **Geologist**

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/17/13 | AECOM Project No.: 60267313.2.1

Day	S	M	T	W	**T**	F	S
Weather	Bright Sun	Clear	**Overcast**	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	Dry	**Moderate**	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, Mark Howard, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**

Sampled wells ERT-3 and ERT-2

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/17/13	AECOM Project No.: 60267313.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **N/A**

Tomorrow's Expectations: **Sample two wells tomorrow.**

By: Tim Steinhofer Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/18/13 | AECOM Project No.: 60267317.2.1

Day	S	M	T	W	T	F	S
Weather	Bright Sun	**Clear**	Overcast	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	**Dry**	Moderate	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, Mark Howard, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**

Sampled wells MW-15B and MW-16

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/18/13	AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **Demob for the week. Saturday delivery checked on FedEx Airbill.**

Tomorrow's Expectations: **No expectations for tomorrow. Sample two wells Monday.**

By: Tim Steinhofer Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/21/13 | AECOM Project No.: 60267317.2.1

Day	S	M	T	W	T	**F**	S
Weather	Bright Sun	Clear	**Overcast**	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	**Dry**	Moderate	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, Mark Howard, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**

Sampled wells MW-11C and MW-11B

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY	
Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/21/13	AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **N/A**

Tomorrow's Expectations: **Sample two wells.**

By: Tim Steinhofer — Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/22/13 | AECOM Project No.: 60267317.2.1

Day	S	M	**T**	W	T	F	S
Weather	Bright Sun	**Clear**	Overcast	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	**Dry**	Moderate	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, Mark Howard, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**

Sampled wells MW-12B and MW-14B

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/22/13 | AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **N/A**

Tomorrow's Expectations: **Sample two wells.**

By: Tim Steinhofer | Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/23/13 | AECOM Project No.: 60267317.2.1

Day	S	M	T	**W**	T	F	S
Weather	Bright Sun	**Clear**	Overcast	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	**Dry**	Moderate	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**
Purged wells MW-1B and MW-4
Sampled well MW-6B

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY	
Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/23/13	AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **N/A**

Tomorrow's Expectations: **Sample wells MW-1B, MW-4, and MW-5B. Purge MW-13B**

By: Tim Steinhofer — Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/24/13 | AECOM Project No.: 60267317.2.1

Day	S	M	T	W	**T**	F	S
Weather	Bright Sun	**Clear**	Overcast	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	**Dry**	Moderate	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**

Sampled wells MW-1B, MW-4, and MW-5B

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY	
Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/24/13	AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **N/A**

Tomorrow's Expectations: **Sample two wells**

By: Tim Steinhofer	Title: Scientist
Signature: 	(Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/25/13 | AECOM Project No.: 60267317.2.1

Day	S	M	T	W	T	**F**	S
Weather	Bright Sun	**Clear**	Overcast	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	Still	**Moderate**	High	Report No.			
Humidity	**Dry**	Moderate	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**
Sampled wells MW-13B and ERT-4
Collected Equipment Blank 1 & 2

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY	
Client: USACOE	Contract No.: W912DQ-11-D-3003, TO 003
Contractor: AECOM, Inc. Address: 4840 Cox Road Glen Allen, Virginia 23060 Phone No.: (804) 515-8300	
Date: 01/25/13	AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **N/A**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

No deficiencies noted

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Special Notes: **Completed work week and all monitoring wells, only flute wells remaining.**

Tomorrow's Expectations: **N/A return to site on Monday.**

By: Tim Steinhofer — Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/28/13 | AECOM Project No.: 60267317.2.1

Day	S	**M**	T	W	T	F	S
Weather	Bright Sun	Clear	Overcast	Rain	Snow		
Temp.	**To 32**	32-50	50-70	70-85	85 Up		
Wind	**Still**	Moderate	High	Report No.			
Humidity	Dry	**Moderate**	Humid				

AECOM Personnel On-Site: **Tim Steinhofer, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. **1 Cooler to EPA DESA**

Sampled well MW-19

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **Time of day and weather conditions prevented sampling of MW-20.**

Explain any Delays or Work Stoppage: **See Above**

Explain Developments Leading to Change in SOW or Finding of Fact: **See Above**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/28/13 | AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **Barb on nitrogen tank broke, needed to be repaired. Completed on site. Ran out of printer ink. Was not able to find replacement, used blue ink.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

See above.

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Barb repaired in field. Black ink purchased at staples and forms completed at hotel in Kingston.

Special Notes: **N/A**

Tomorrow's Expectations: Sampling MW-21

By: Tim Steinhofer Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/29/13 | AECOM Project No.: 60267317.2.1

Day	S	M	**T**	W	T	F	S
Weather	Bright Sun	Clear	**Overcast**	Rain	Snow		
Temp.	To 32	**32-50**	50-70	70-85	85 Up		
Wind	**Still**	Moderate	High	Report No.			
Humidity	Dry	Moderate	**Humid**				

AECOM Personnel On-Site: **Tim Steinhofer, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling wells. 1 Cooler to EPA DESA

Sampled well MW-20

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/29/13 | AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **MW-21 was completely frozen, sampled MW-20 instead. Attempted to sample MW-17 but water needed to be added to bag.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Broken up ice on MW-21 and will let defrost for next few days, weather forecasted to be above freezing. Added water to MW-17 but will sample in the AM.

Special Notes: **N/A**

Tomorrow's Expectations: **Sample MW-17 and MW-18**

By: Tim Steinhofer | Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/30/13 | AECOM Project No.: 60267317.2.1

Day	S	M	T	**W**	T	F	S
Weather	Bright Sun	Clear	**Overcast**	Rain	Snow		
Temp.	To 32	**32-50**	50-70	70-85	85 Up		
Wind	**Still**	Moderate	High	Report No.			
Humidity	Dry	Moderate	**Humid**				

AECOM Personnel On-Site: **Tim Steinhofer, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling well. **1 Cooler to EPA DESA**

Sampled well MW-17

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/30/13 | AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **MW-18 and MW-21 are frozen.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Will let MW-18 and MW-21 sit overnight if defrosted will sample.

If not will sample at later date

Special Notes: **N/A**

Tomorrow's Expectations: **Collect FLUTe WL's and Demoblize**

By: Tim Steinhofer | Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/31/13 | AECOM Project No.: 60267317.2.1

Day	S	M	T	W	**T**	F	S
Weather	Bright Sun	**Clear**	Overcast	Rain	Snow		
Temp.	To 32	32-50	**50-70**	70-85	85 Up		
Wind	Still	Moderate	**High**	Report No.			
Humidity	Dry	Moderate	**Humid**				

AECOM Personnel On-Site: **Tim Steinhofer, and Matt Dean**

Subcontractor (include names & responsibilities): **None**

Contract Materials and Equipment on site: **1 AECOM Truck, 1 AECOM Water Level Meter, 1 YSI-556, 1 Hach Colorimeter, 1 LaMotte 2020 Turbidimeter**

Work Performed (include sampling; list by NAS number if applicable):

Set up and mobilization to sampling well. **1 Cooler to EPA DESA**
Sampled well MW-21
Demobilized

Quality Control Activities (including field calibrations): **Calibrated YSI, Turbidimeter, and Hach Colorimeter**

Health and Safety Levels and Activities: **Modified Level D**

Problems Encountered/Correction Action Taken: **N/A**

Explain any Delays or Work Stoppage: **N/A**

Explain Developments Leading to Change in SOW or Finding of Fact: **N/A**

Preparatory Inspection (list all inspections by subject and specification location; attach minutes of meeting and list of all attendees): **N/A**

Have all required submittals and samples of construction been approved? **Yes**

Do the materials and equipment to be used conform to the submittals? **Yes**

Has all preliminary work been inspected, tested, and completed? **Yes**

Test required and inspection techniques to be executed to prove contract compliance (include both expected and actual results): **N/A**

Has a phase hazard analysis been performed? **Yes**

DAILY CHEMICAL QUALITY CONTROL REPORT

Site Name and Location: Mohonk Road Industrial Plant Site (MRIP) – High Falls, NY

Client: USACOE | Contract No.: W912DQ-11-D-3003, TO 003

Contractor: AECOM, Inc.
Address: 4840 Cox Road
Glen Allen, Virginia 23060
Phone No.: (804) 515-8300

Date: 01/31/13 | AECOM Project No.: 60267317.2.1

Comments and deficiencies noted and corrective actions taken: **MW-18 and MW-21 #3 are frozen.**

Initial Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

N/A

Follow-up Inspection: List all inspections by subject and specification location. Comment and/or deficiencies noted and corrective actions taken.

Will sample MW-18 at a later date

Special Notes: **N/A**

Tomorrow's Expectations: **End of event**

By: Tim Steinhofer | Title: Scientist

Signature:  (Quality Control Representative/Manager)

The above report is complete and correct. All materials and equipment used and all work performed during this reporting period are in compliance with the contract specifications and submittals, except as noted above.

Signature: (Contractor's Authorized Representative)

Appendix B

Monitoring Well Purge Logs

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: ERT-1 Date: January 14, 2013

Samplers: Mark Howard and Matt Dean

Sample Number: ERT-1 QA/QC Collected? MS/MSD

Purging / Sampling Method: Faucet with 1/2" I.D. Teflon lined tubing

1. L = Total Well Depth: _____ feet
2. D = Riser Diameter (I.D.): _____ feet
3. W = Static Depth to Water (TOC): _____ feet
4. C = Column of Water in Casing: _____ feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ _____ gal
6. D2 = Pump Setting Depth (ft): _____ feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1555	1600	1605	1610			
Water Level (0.33)	feet							
Volume Purged	gal							
Flow Rate	mL / min							
Turbidity (+/- 10%)	NTU	1.84	19.60	17.10	5.44			
Dissolved Oxygen (+/- 10%)	%	48.2	36.6	35.8	34.7			
Dissolved Oxygen (+/- 10%)	mg/L	3.82	3.89	3.81	3.70			
Eh / ORP (+/- 10)	MeV	70.9	84.8	87.7	88.4			
Specific Conductivity	mS/cm^c	0.630	0.618	0.614	0.616			
Conductivity (+/- 3%)	mS/cm	0.587	0.471	0.466	0.468			
pH (+/- 0.1)	pH unit	6.84	6.75	6.75	6.75			
Temp (+/- 0.5)	C	21.17	12.55	12.43	12.42			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			0.43			

Comments:
Started purge at 1555
Sampled at 1610

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: ERT-2 Date: January 17, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: ERT-2 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	200	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	94.51	feet
4. C = Column of Water in Casing:	105.49	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	158.24	gal
6. D2 = Pump Setting Depth (ft):	190.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	95.49	feet
8. Tubing Volume = C2(0.005737088)	0.5478345	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1427	1432	1437	1442	1447	1452	1457
Water Level (0.33)	feet	94.59	94.56	94.56	94.56	94.57	94.58	94.58
Volume Purged	gal	0.00	0.25	>0.25	<0.50	>0.50	0.75	>0.75
Flow Rate	mL / min	100	125	125	100	100	100	100
Turbidity (+/- 10%)	NTU	5.28	5.79	5.19	4.02	3.82	4.46	3.97
Dissolved Oxygen (+/- 10%)	%	69.4	51.0	49.6	46.3	42.3	38.4	38.1
Dissolved Oxygen (+/- 10%)	mg/L	7.94	5.87	5.72	5.31	4.84	4.40	4.42
Eh / ORP (+/- 10)	MeV	178.4	126.8	107.2	177.2	193.3	120.5	94.5
Specific Conductivity	mS/cm^c	0.659	0.688	0.687	0.640	0.623	0.600	0.588
Conductivity (+/- 3%)	mS/cm	0.457	0.478	0.471	0.447	0.438	0.418	0.406
pH (+/- 0.1)	pH unit	7.16	7.19	7.10	7.13	7.08	7.03	7.02
Temp (+/- 0.5)	C	8.94	8.98	9.00	9.25	9.47	9.21	8.82
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1427

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: ERT-2 Date: January 17, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: ERT-2 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	200	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	94.51	feet
4. C = Column of Water in Casing:	105.49	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	158.24	gal
6. D2 = Pump Setting Depth (ft):	190.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	95.49	feet
8. Tubing Volume = C2(0.005737088)	0.5478345	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1502	1507	1512	1517	1522		
Water Level (0.33)	feet	94.58	94.58	94.58	94.58	94.58		
Volume Purged	gal	<1.00	1.00	>1.00	>1.00	1.25		
Flow Rate	mL / min	100	100	100	100	100		
Turbidity (+/- 10%)	NTU	4.19	3.87	3.81	3.61	4.13		
Dissolved Oxygen (+/- 10%)	%	35.0	35.3	32.1	31.0	31.1		
Dissolved Oxygen (+/- 10%)	mg/L	4.08	4.15	3.76	3.64	3.64		
Eh / ORP (+/- 10)	MeV	80.6	77.0	66.6	58.6	54.1		
Specific Conductivity	mS/cm[c]	0.582	0.581	0.580	0.580	0.579		
Conductivity (+/- 3%)	mS/cm	0.399	0.394	0.397	0.397	0.396		
pH (+/- 0.1)	pH unit	7.01	7.01	7.01	7.03	7.01		
Temp (+/- 0.5)	C	8.50	8.21	8.45	8.33	8.47		
Color	Visual	Clear	Clear	Clear	Clear	Clear		
Odor	Olfactory	None	None	None	None	None		
Ferrous Iron	mg/L	Collect only at sample time				0.2		

Comments:
Sampled at 1522

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: ERT-3 Date: January 17, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: ERT-3 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	220	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	100.84	feet
4. C = Column of Water in Casing:	119.16	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	178.74	gal
6. D2 = Pump Setting Depth (ft):	210.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	109.16	feet
8. Tubing Volume = C2(0.005737088)	0.6262605	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	940	945	950	955	100	1005	1010
Water Level (0.33)	feet	100.99	100.89	100.90	100.90	100.90	100.90	100.90
Volume Purged	gal	0.00	0.25	>0.25	<0.50	0.50	<0.75	0.75
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	9.75	10.11	8.23	6.99	4.69	4.00	7.97
Dissolved Oxygen (+/- 10%)	%	60.6	35.1	28.6	25.3	23.0	20.8	17.7
Dissolved Oxygen (+/- 10%)	mg/L	6.70	3.98	3.25	2.87	2.58	2.33	1.98
Eh / ORP (+/- 10)	MeV	236.8	235.4	214.7	193.1	178.8	163.4	155.9
Specific Conductivity	mS/cm^c	0.694	0.669	0.711	0.722	0.737	0.745	0.746
Conductivity (+/- 3%)	mS/cm	0.501	0.47	0.503	0.511	0.527	0.534	0.533
pH (+/- 0.1)	pH unit	6.88	6.79	6.85	6.89	6.92	6.94	6.95
Temp (+/- 0.5)	C	10.48	9.46	9.69	9.70	10.12	10.19	10.00
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 940

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: ERT-3 Date: January 17, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: ERT-3 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	220	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	100.84	feet
4. C = Column of Water in Casing:	119.16	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	178.74	gal
6. D2 = Pump Setting Depth (ft):	210.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	109.16	feet
8. Tubing Volume = C2(0.005737088)	0.6262605	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1015	1020	1025	1030			
Water Level (0.33)	feet	100.90	100.90	100.90	100.90			
Volume Purged	gal	1.00	>1.00	1.25	>1.25			
Flow Rate	mL / min	100	100	100	100			
Turbidity (+/- 10%)	NTU	8.31	8.09	6.17	7.13			
Dissolved Oxygen (+/- 10%)	%	18.8	18.4	19.0	19.3			
Dissolved Oxygen (+/- 10%)	mg/L	2.13	2.08	2.14	2.16			
Eh / ORP (+/- 10)	MeV	146.8	139.9	133.1	127.7			
Specific Conductivity	mS/cm^c	0.745	0.746	0.748	0.750			
Conductivity (+/- 3%)	mS/cm	0.529	0.529	0.535	0.539			
pH (+/- 0.1)	pH unit	6.96	6.96	6.96	6.97			
Temp (+/- 0.5)	C	9.79	9.81	10.08	10.29			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			0.07			

Comments:
Sampled at 1030

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: ERT-4 Date: January 25, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: ERT-4 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	50	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	25.58	feet
4. C = Column of Water in Casing:	24.42	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	9.04	gal
6. D2 = Pump Setting Depth (ft):	45.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	19.42	feet
8. Tubing Volume = C2(0.005737088)	0.1114142	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1002	1007	1012	1017	1022	1027	1032
Water Level (0.33)	feet	26.85	26.75	26.73	26.73	26.73	26.73	26.73
Volume Purged	gal	0.00	0.40	0.60	1.00	1.25	1.40	1.75
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	897.0	101.0	79.0	103.3	97.5	90.4	80.6
Dissolved Oxygen (+/- 10%)	%	63.6	43.6	40.3	40.2	41.7	41.4	41.4
Dissolved Oxygen (+/- 10%)	mg/L	7.02	4.95	4.60	4.57	4.70	4.65	4.59
Eh / ORP (+/- 10)	MeV	70.4	81.2	84.9	87.9	88.9	89.3	89.3
Specific Conductivity	mS/cm^c	0.729	0.742	0.739	0.739	0.739	0.740	0.737
Conductivity (+/- 3%)	mS/cm	0.529	0.523	0.520	0.522	0.527	0.531	0.537
pH (+/- 0.1)	pH unit	6.93	6.92	6.93	6.93	6.93	6.93	6.93
Temp (+/- 0.5)	C	10.22	9.58	9.40	9.64	10.01	10.18	10.76
Color	Visual	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1002

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: ERT-4 Date: January 25, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: ERT-4 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	50	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	25.58	feet
4. C = Column of Water in Casing:	24.42	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	9.04	gal
6. D2 = Pump Setting Depth (ft):	45.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	19.42	feet
8. Tubing Volume = C2(0.005737088)	0.1114142	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1037	1042	1047	1052	1057		
Water Level (0.33)	feet	26.74	26.74	26.74	26.74	26.74		
Volume Purged	gal	2.00	2.25	2.50	2.75	3.00		
Flow Rate	mL / min	150	150	150	150	150		
Turbidity (+/- 10%)	NTU	75.3	63.5	63.6	56.1	43.2		
Dissolved Oxygen (+/- 10%)	%	40.4	38.8	42.4	40.0	41.1		
Dissolved Oxygen (+/- 10%)	mg/L	4.44	4.24	4.67	4.40	4.64		
Eh / ORP (+/- 10)	MeV	90.1	91.0	91.0	92.2	92.0		
Specific Conductivity	mS/cm^c	0.737	0.737	0.737	0.741	0.74		
Conductivity (+/- 3%)	mS/cm	0.54	0.544	0.538	0.541	0.525		
pH (+/- 0.1)	pH unit	6.92	6.92	6.92	6.92	6.93		
Temp (+/- 0.5)	C	11.05	11.35	10.98	10.91	9.84		
Color	Visual	Cloudy	Cloudy	Cloudy	Cloudy	Clear		
Odor	Olfactory	None	None	None	None	None		
Ferrous Iron	mg/L	Collect only at sample time				0.33		

Comments:
Sampled at 1057

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-1B Date: January 23 and 24, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: MW-1B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	105	feet
2. D = Riser Diameter (I.D.):	0.25	feet
3. W = Static Depth to Water (TOC):	57.81	feet
4. C = Column of Water in Casing:	47.19	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	17.46	gal
6. D2 = Pump Setting Depth (ft):	90.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	32.19	feet
8. Tubing Volume = C2(0.005737088)	0.1846769	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

1/24/2013

Parameter	**Units**	**Readings**						
Time	24 hr	913	918	923	928	933		1047
Water Level (0.33)	feet	58.42	58.64	58.75	58.90	59.03		-
Volume Purged	gal	0.00	0.25	0.40	0.50	0.50		-
Flow Rate	mL / min	100	100	100	100	100		-
Turbidity (+/- 10%)	NTU	22.10	6.09	6.72	4.59	4.79		8.33
Dissolved Oxygen (+/- 10%)	%	78.2	54.8	46.0	40.2	37.7		53.3
Dissolved Oxygen (+/- 10%)	mg/L	9.16	6.83	5.82	5.15	4.79		6.62
Eh / ORP (+/- 10)	MeV	240.1	232.8	229.8	224.9	240.6		298.3
Specific Conductivity	mS/cm^c	0.926	0.904	0.908	0.907	0.904		0.893
Conductivity (+/- 3%)	mS/cm	0.618	0.570	0.564	0.557	0.560		0.565
pH (+/- 0.1)	pH unit	6.57	5.95	6.32	6.44	6.04		6.25
Temp (+/- 0.5)	C	7.52	5.60	5.11	4.79	5.06		5.84
Color	Visual	Clear	Clear	Clear	Clear	Clear		Clear
Odor	Olfactory	None	None	None	None	None		None
Ferrous Iron	mg/L	Collect only at sample time						0.15

Comments:
Started purge at 9:13
Purged Dry @ 9:33 due to unstable wL
Purged ~15 gal
Used clean bailer for collection of samples and parameters at 1047 on 1/24/13

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-4 Date: January 24, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: MW-4 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	21.5	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	4.67	feet
4. C = Column of Water in Casing:	16.83	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.74	gal
6. D2 = Pump Setting Depth (ft):	16.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	11.33	feet
8. Tubing Volume = C2(0.005737088)	0.0650012	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

1/24/2013

Parameter	Units	Readings						
Time	24 hr	1045	1050	1055	1100	1105		1107
Water Level (0.33)	feet	5.61	5.78	5.81	5.80	5.86		-
Volume Purged	gal	0.00	<.25	<.25	<.5	<.5		-
Flow Rate	mL / min	100	100	<100	<100	<100		-
Turbidity (+/- 10%)	NTU	89.3	97.8	85.1	84.2	74.9		56.0
Dissolved Oxygen (+/- 10%)	%	36.6	28.0	22.1	19.4	18.6		30.4
Dissolved Oxygen (+/- 10%)	mg/L	4.41	3.67	2.91	2.61	2.54		3.65
Eh / ORP (+/- 10)	MeV	125.5	137.6	137.9	133.9	131.7		251.1
Specific Conductivity	mS/cm^c	1.112	1.148	1.108	1.100	1.099		1.069
Conductivity (+/- 3%)	mS/cm	0.723	0.682	0.655	0.637	0.623		0.696
pH (+/- 0.1)	pH unit	6.57	6.61	6.63	6.64	6.64		6.79
Temp (+/- 0.5)	C	6.62	3.01	3.01	2.94	2.55		6.66
Color	Visual	Clear	Clear	Clear	Clear	Clear		Clear
Odor	Olfactory	None	None	None	None	None		None
Ferrous Iron	mg/L	Collect only at sample time						0.97

Comments:
Started purge at 1045
Purged Dry @ 1105 due to unstable wL
Purged ~2 gal
Used clean bailer for collection of samples and parameters at 1107 on 1/24/13

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-5B Date: January 24, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: MW-5B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	36.2	feet
2. D = Riser Diameter (I.D.):	0.25	feet
3. W = Static Depth to Water (TOC):	24.5	feet
4. C = Column of Water in Casing:	11.7	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	4.33	gal
6. D2 = Pump Setting Depth (ft):	33.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	8.50	feet
8. Tubing Volume = C2(0.005737088)	0.0487652	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

1/24/2013

Parameter	**Units**	**Readings**						
Time	24 hr	1335	1340	1345	1350	1355	1400	1405
Water Level (0.33)	feet	24.76	24.64	24.61	24.60	24.60	24.60	24.60
Volume Purged	gal	<0.25	0.50	>0.50	0.75	<1.00	1.00	<1.25
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	Error	2.75	2.41	1.93	2.19	1.76	1.85
Dissolved Oxygen (+/- 10%)	%	68.2	57.3	51.2	49.8	48.6	46.3	46.2
Dissolved Oxygen (+/- 10%)	mg/L	7.56	6.76	6.20	6.16	6.09	5.78	5.69
Eh / ORP (+/- 10)	MeV	244.0	238.7	233.4	226.3	219.7	213.5	206.7
Specific Conductivity	mS/cm[c]	0.635	0.634	0.635	0.634	0.631	0.628	0.624
Conductivity (+/- 3%)	mS/cm	0.457	0.426	0.417	0.406	0.398	0.397	0.402
pH (+/- 0.1)	pH unit	6.99	6.97	6.96	9.67	6.97	6.97	9.96
Temp (+/- 0.5)	C	10.25	7.76	7.03	6.12	5.99	5.80	6.38
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1335

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-5B Date: January 24, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: MW-5B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	36.2	feet
2. D = Riser Diameter (I.D.):	0.25	feet
3. W = Static Depth to Water (TOC):	24.5	feet
4. C = Column of Water in Casing:	11.7	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	4.33	gal
6. D2 = Pump Setting Depth (ft):	33.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	8.50	feet
8. Tubing Volume = C2(0.005737088)	0.0487652	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1410	1415	1420	1425	1430	1435	1440
Water Level (0.33)	feet	24.60	24.60	24.60	24.60	24.60	24.60	24.60
Volume Purged	gal	1.25	<1.50	1.50	<1.75	1.75	<2.00	2.00
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	2.13	2.15	2.16	2.10	2.46	1.87	2.73
Dissolved Oxygen (+/- 10%)	%	48.1	47.9	51.8	50.0	52.3	48.4	48.3
Dissolved Oxygen (+/- 10%)	mg/L	5.87	5.79	6.16	5.95	6.22	5.76	5.79
Eh / ORP (+/- 10)	MeV	201.1	190.0	192	186.2	183.3	180.8	179.8
Specific Conductivity	mS/cm^c	0.621	0.621	0.617	0.621	0.621	0.621	0.620
Conductivity (+/- 3%)	mS/cm	0.405	0.410	0.411	0.415	0.416	0.414	0.413
pH (+/- 0.1)	pH unit	6.96	6.95	6.92	6.95	6.95	6.95	6.95
Temp (+/- 0.5)	C	6.80	7.20	7.31	7.22	7.77	7.63	7.54
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						0.06

Comments:
Sampled at 1440

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-5R Date: January 16, 2013

Samplers: Mark Howard and Matt Dean

Sample Number: MW-5R QA/QC Collected? DUP-1

Purging / Sampling Method: Faucet with 1/2" I.D. Teflon lined tubing

1. L = Total Well Depth: _____ feet
2. D = Riser Diameter (I.D.): _____ feet
3. W = Static Depth to Water (TOC): _____ feet
4. C = Column of Water in Casing: _____ feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ _____ gal
6. D2 = Pump Setting Depth (ft): _____ feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1520	1525	1530	1535			
Water Level (0.33)	feet							
Volume Purged	gal							
Flow Rate	mL / min							
Turbidity (+/- 10%)	NTU	2.92	5.17	4.83	2.50			
Dissolved Oxygen (+/- 10%)	%	20.5	31.2	31.4	31.6			
Dissolved Oxygen (+/- 10%)	mg/L	1.97	3.27	3.38	3.40			
Eh / ORP (+/- 10)	MeV	7.1	28.0	37.5	41.2			
Specific Conductivity	mS/cm^c	0.650	0.660	0.648	0.647			
Conductivity (+/- 3%)	mS/cm	0.576	0.509	0.487	0.486			
pH (+/- 0.1)	pH unit	7.25	6.90	6.87	6.87			
Temp (+/- 0.5)	C	14.10	13.05	11.98	11.97			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			0.05			

Comments:
Started purge at 1520
Sampled at 1535

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-6B Date: January 23, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: MW-6B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	105	feet
2. D = Riser Diameter (I.D.):	0.25	feet
3. W = Static Depth to Water (TOC):	98	feet
4. C = Column of Water in Casing:	7	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.59	gal
6. D2 = Pump Setting Depth (ft):	100.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	2.00	feet
8. Tubing Volume = C2(0.005737088)	0.0114742	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1320	1325	1330	1335	1340	1345	1350
Water Level (0.33)	feet	100.04	100.35	99.90	99.93	99.05	98.93	98.90
Volume Purged	gal	0.00	0.50	1.00	1.75	2.00	2.15	2.20
Flow Rate	mL / min	200	100	200	200	200	200	200
Turbidity (+/- 10%)	NTU	126.00	132.00	131.00	83.20	53.10	19.00	13.30
Dissolved Oxygen (+/- 10%)	%	64.9	58.7	52.7	52.8	50.5	50.1	53.8
Dissolved Oxygen (+/- 10%)	mg/L	7.65	6.37	6.30	6.19	6.06	6.07	6.45
Eh / ORP (+/- 10)	MeV	93.6	53.3	35.5	42.9	40.8	42.9	44.2
Specific Conductivity	mS/cm^c	0.686	0.685	0.687	0.689	0.687	0.684	0.681
Conductivity (+/- 3%)	mS/cm	0.457	0.506	0.505	0.468	0.455	0.448	0.452
pH (+/- 0.1)	pH unit	7.06	7.08	7.09	7.08	7.13	7.08	7.13
Temp (+/- 0.5)	C	7.72	11.28	11.24	8.21	7.29	7.01	7.43
Color	Visual	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1320

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-6B Date: January 23, 2013

Samplers: Tim Steinhofer and Matt Dean

Sample Number: MW-6B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	105	feet
2. D = Riser Diameter (I.D.):	0.25	feet
3. W = Static Depth to Water (TOC):	98	feet
4. C = Column of Water in Casing:	7	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.59	gal
6. D2 = Pump Setting Depth (ft):	100.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	2.00	feet
8. Tubing Volume = C2(0.005737088)	0.0114742	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1355	1400	1405				
Water Level (0.33)	feet	95.93	95.93	95.93				
Volume Purged	gal	2.25	2.30	2.50				
Flow Rate	mL / min	100	100	100				
Turbidity (+/- 10%)	NTU	15.70	10.36	9.49				
Dissolved Oxygen (+/- 10%)	%	50.8	50.0	50.4				
Dissolved Oxygen (+/- 10%)	mg/L	6.07	5.97	6.02				
Eh / ORP (+/- 10)	MeV	45.5	49.4	49.3				
Specific Conductivity	mS/cm^c	0.684	0.683	0.684				
Conductivity (+/- 3%)	mS/cm	0.455	0.456	0.455				
pH (+/- 0.1)	pH unit	7.13	7.12	7.14				
Temp (+/- 0.5)	C	7.47	7.62	7.51				
Color	Visual	Clear	Clear	Clear				
Odor	Olfactory	None	None	None				
Ferrous Iron	mg/L	Collect only at sample time		0.35				

Comments:
Sampled at 1405

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-7R Date: January 16, 2013

Samplers: Mark Howard and Matt Dean

Sample Number: MW-7R QA/QC Collected? MS/MSD

Purging / Sampling Method: Faucet with 1/2" I.D. Teflon lined tubing

1. L = Total Well Depth: _____ feet
2. D = Riser Diameter (I.D.): _____ feet
3. W = Static Depth to Water (TOC): _____ feet
4. C = Column of Water in Casing: _____ feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ _____ gal
6. D2 = Pump Setting Depth (ft): _____ feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1346	1351	1356	1401			
Water Level (0.33)	feet							
Volume Purged	gal							
Flow Rate	mL / min							
Turbidity (+/- 10%)	NTU	1.83	4.38	1.69	6.10			
Dissolved Oxygen (+/- 10%)	%	47.9	30.0	26.3	24.1			
Dissolved Oxygen (+/- 10%)	mg/L	4.67	3.14	2.81	2.58			
Eh / ORP (+/- 10)	MeV	-17.3	-8.5	-9.3	-3.3			
Specific Conductivity	mS/cm^c	0.630	0.633	0.619	0.620			
Conductivity (+/- 3%)	mS/cm	0.504	0.49	0.468	0.468			
pH (+/- 0.1)	pH unit	7.08	6.90	6.87	6.85			
Temp (+/- 0.5)	C	15.19	13.14	12.22	12.19			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			0.17			

Comments:
Started purge at 1346
Sampled at 1401

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-8B Date: January 16, 2013

Samplers: Mark Howard and Matt Dean

Sample Number: MW-8B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	100	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	28.49	feet
4. C = Column of Water in Casing:	71.51	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	107.27	gal
6. D2 = Pump Setting Depth (ft):	90.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	61.51	feet
8. Tubing Volume = C2(0.005737088)	0.3528883	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1048	1053	1108	1103	1108	1113	1118
Water Level (0.33)	feet	28.51	28.52	28.52	28.52	28.52	28.52	28.52
Volume Purged	gal	0.00	<0.25	0.25	>0.25	0.50	>0.50	0.75
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	4.52	4.93	1.55	2.31	2.54	2.19	2.74
Dissolved Oxygen (+/- 10%)	%	30.7	19.4	13.3	10.5	9.0	8.2	8.0
Dissolved Oxygen (+/- 10%)	mg/L	3.51	2.26	1.57	1.25	1.07	0.98	0.95
Eh / ORP (+/- 10)	MeV	-49.7	-89.9	-97.1	-117.7	-108.6	-114.2	-125.7
Specific Conductivity	mS/cm^c	0.552	0.562	0.566	0.567	0.568	0.570	0.569
Conductivity (+/- 3%)	mS/cm	0.384	0.383	0.383	0.381	0.381	0.381	0.38
pH (+/- 0.1)	pH unit	7.35	7.42	7.46	7.51	7.56	7.56	7.60
Temp (+/- 0.5)	C	9.06	8.27	8.12	7.84	7.74	7.63	7.63
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1048

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-8B Date: January 16, 2013

Samplers: Mark Howard and Matt Dean

Sample Number: MW-8B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	100	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	28.49	feet
4. C = Column of Water in Casing:	71.51	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	107.27	gal
6. D2 = Pump Setting Depth (ft):	90.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	61.51	feet
8. Tubing Volume = C2(0.005737088)	0.3528883	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1123	1128	1133				
Water Level (0.33)	feet	28.52	28.52	28.52				
Volume Purged	gal	>0.75	1.00	>1.00				
Flow Rate	mL / min	100	100	100				
Turbidity (+/- 10%)	NTU	3.62	3.05	3.16				
Dissolved Oxygen (+/- 10%)	%	8.5	8.5	7.6				
Dissolved Oxygen (+/- 10%)	mg/L	1.03	0.99	0.88				
Eh / ORP (+/- 10)	MeV	-133.0	-130.0	-139.0				
Specific Conductivity	mS/cm^c	0.567	0.569	0.570				
Conductivity (+/- 3%)	mS/cm	0.384	0.394	0.392				
pH (+/- 0.1)	pH unit	7.62	7.63	7.69				
Temp (+/- 0.5)	C	8.10	8.90	8.59				
Color	Visual	Clear	Clear	Clear				
Odor	Olfactory	Sulfur	Sulfur	Sulfur				
Ferrous Iron	mg/L	Collect only at sample time		0.72				

Comments:
Sampled at 1133

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-9B Date: January 15, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-9B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	145	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	22.60	feet
4. C = Column of Water in Casing:	122.4	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	183.60	gal
6. D2 = Pump Setting Depth (ft):	135.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	112.40	feet
8. Tubing Volume = C2(0.005737088)	0.6448487	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1018	1023	1028	1033	1038	1043	1043
Water Level (0.33)	feet	21.81	21.81	21.81	21.81	21.81	21.81	21.81
Volume Purged	gal	0.00	<0.25	0.25	<0.50	>0.50	>0.50	0.75
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	3.84	5.70	6.23	8.92	9.28	9.83	8.01
Dissolved Oxygen (+/- 10%)	%	46.0	30.5	21.6	16.5	13.7	12.3	11.9
Dissolved Oxygen (+/- 10%)	mg/L	5.26	3.57	2.52	1.91	1.60	1.43	1.40
Eh / ORP (+/- 10)	MeV	98.6	82.8	78.6	68.1	66.1	65.8	46.4
Specific Conductivity	mS/cm^c	0.332	0.332	0.318	0.339	0.352	0.360	0.365
Conductivity (+/- 3%)	mS/cm	0.232	0.226	0.217	0.233	0.241	0.247	0.249
pH (+/- 0.1)	pH unit	10.29	10.32	9.86	9.35	8.55	7.64	7.42
Temp (+/- 0.5)	C	9.25	8.30	8.31	8.63	8.46	8.46	8.40
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1018

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-9B Date: January 15, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-9B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	145	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	22.60	feet
4. C = Column of Water in Casing:	122.4	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	183.60	gal
6. D2 = Pump Setting Depth (ft):	135.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	112.40	feet
8. Tubing Volume = C2(0.005737088)	0.6448487	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1053	1058	1103	1108			
Water Level (0.33)	feet	21.82	21.83	21.83	21.83			
Volume Purged	gal	>0.75	<1.00	1.00	>1.00			
Flow Rate	mL / min	100	100	100	100			
Turbidity (+/- 10%)	NTU	12.60	19.60	10.90	11.50			
Dissolved Oxygen (+/- 10%)	%	11.9	11.9	11.8	11.4			
Dissolved Oxygen (+/- 10%)	mg/L	1.39	1.39	1.38	1.34			
Eh / ORP (+/- 10)	MeV	30.7	23.7	21.9	17.8			
Specific Conductivity	mS/cm[c]	0.367	0.369	0.369	0.37			
Conductivity (+/- 3%)	mS/cm	0.251	0.252	0.253	0.253			
pH (+/- 0.1)	pH unit	7.33	7.29	7.28	7.27			
Temp (+/- 0.5)	C	8.42	8.48	8.45	8.45			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			0.62			

Comments:
Sampled at 1108

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-10B Date: January 15, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-10B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	100	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	25.4	feet
4. C = Column of Water in Casing:	74.6	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	111.90	gal
6. D2 = Pump Setting Depth (ft):	90.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	64.60	feet
8. Tubing Volume = C2(0.005737088)	0.3706159	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1350	1355	1400	1405	1410	1415	1420
Water Level (0.33)	feet	25.59	25.56	25.56	25.56	25.56	25.56	25.56
Volume Purged	gal	0.00	<0.25	0.25	0.50	>0.50	0.75	1.00
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	3.98	3.12	2.91	2.49	2.85	2.25	2.25
Dissolved Oxygen (+/- 10%)	%	39.5	21.2	16.0	12.9	10.5	11.1	11.6
Dissolved Oxygen (+/- 10%)	mg/L	4.41	2.46	1.86	1.50	1.22	1.29	1.34
Eh / ORP (+/- 10)	MeV	59.5	62.3	62.5	63.7	69.8	70.4	70.6
Specific Conductivity	mS/cm^c	0.260	0.260	0.260	0.260	0.266	0.266	0.268
Conductivity (+/- 3%)	mS/cm	0.185	0.180	0.179	0.179	0.182	0.184	0.185
pH (+/- 0.1)	pH unit	6.65	6.49	6.49	6.48	6.48	6.48	6.47
Temp (+/- 0.5)	C	9.86	8.70	8.50	8.58	8.73	8.73	8.84
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1350

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-10B Date: January 15, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-10B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	100	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	25.4	feet
4. C = Column of Water in Casing:	74.6	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	111.90	gal
6. D2 = Pump Setting Depth (ft):	90.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	64.60	feet
8. Tubing Volume = C2(0.005737088)	0.3706159	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1425	1430	1435	1440			
Water Level (0.33)	feet	25.60	25.61	25.60	25.60			
Volume Purged	gal	<1.00	>1.00	1.25	>1.25			
Flow Rate	mL / min	100	100	100	100			
Turbidity (+/- 10%)	NTU	2.15	2.01	1.95	1.95			
Dissolved Oxygen (+/- 10%)	%	11.3	11.9	11.5	10.8			
Dissolved Oxygen (+/- 10%)	mg/L	1.32	1.38	1.34	1.26			
Eh / ORP (+/- 10)	MeV	71.7	70.8	73.7	76.1			
Specific Conductivity	mS/cm^c	0.266	0.268	0.266	0.263			
Conductivity (+/- 3%)	mS/cm	0.183	0.184	0.183	0.180			
pH (+/- 0.1)	pH unit	6.46	6.45	6.45	6.45			
Temp (+/- 0.5)	C	8.67	8.87	8.74	8.57			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			0.13			

Comments:
Sampled at 1440

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-11B Date: January 21, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-11B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	181	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	49.39	feet
4. C = Column of Water in Casing:	131.61	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	197.42	gal
6. D2 = Pump Setting Depth (ft):	171.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	121.61	feet
8. Tubing Volume = C2(0.005737088)	0.6976873	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1337	1342	1347	1352	1357	1402	1407
Water Level (0.33)	feet	49.39	49.39	49.39	49.40	49.39	49.39	49.39
Volume Purged	gal	0.00	0.25	>0.25	<0.50	0.75	>0.75	1.00
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	63.10	54.60	73.40	73.90	64.80	62.70	62.50
Dissolved Oxygen (+/- 10%)	%	103.4	45.8	31.2	29.4	27.8	25.5	22.7
Dissolved Oxygen (+/- 10%)	mg/L	12.01	5.44	3.70	3.48	3.29	3.04	2.72
Eh / ORP (+/- 10)	MeV	165.8	164.4	163.5	162.1	161.7	160.7	159.5
Specific Conductivity	mS/cm^c	0.625	0.624	0.627	0.627	0.628	0.628	0.625
Conductivity (+/- 3%)	mS/cm	0.423	0.42	0.421	0.423	0.423	0.419	0.416
pH (+/- 0.1)	pH unit	7.35	7.17	7.15	7.13	7.10	7.09	7.09
Temp (+/- 0.5)	C	8.13	7.63	7.81	7.96	7.89	7.56	7.49
Color	Visual	Rd Cl	Rd Cl	Rd Cl	Rd Cl	Rd Cl	Rd Cl	Rd Cl
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:

Started purge at 1337

Color Notes:
Rd Cl – Reddish Cloud
Sl Cl – Slightly Cloudy

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-11B Date: January 21, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-11B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	181	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	49.39	feet
4. C = Column of Water in Casing:	131.61	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	197.42	gal
6. D2 = Pump Setting Depth (ft):	171.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	121.61	feet
8. Tubing Volume = C2(0.005737088)	0.6976873	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1412	1417	1422	1427	1432		
Water Level (0.33)	feet	49.39	49.39	49.39	49.39	49.39		
Volume Purged	gal	>1.00	<1.25	>1.25	1.50	>1.50		
Flow Rate	mL / min	100	100	100	100	100		
Turbidity (+/- 10%)	NTU	59.40	53.40	54.20	52.10	54.20		
Dissolved Oxygen (+/- 10%)	%	21.8	21.4	21.1	21.3	20.6		
Dissolved Oxygen (+/- 10%)	mg/L	2.63	2.56	2.53	2.54	2.45		
Eh / ORP (+/- 10)	MeV	157.7	155.2	152.1	147.8	144.6		
Specific Conductivity	mS/cm^c	0.626	0.624	0.625	0.623	0.624		
Conductivity (+/- 3%)	mS/cm	0.414	0.414	0.415	0.417	0.419		
pH (+/- 0.1)	pH unit	7.09	7.08	7.08	7.07	7.07		
Temp (+/- 0.5)	C	7.29	7.36	7.45	7.75	7.79		
Color	Visual	Rd Cl	Rd Cl	Rd Cl	Sl Cl	Sl Cl		
Odor	Olfactory	None	None	None	None	None		
Ferrous Iron	mg/L	Collect only at sample time				Limit 3.30		

Comments:
Sampled at 1432
Color Notes:
Rd Cl – Reddish Cloud
Sl Cl – Slightly Cloudy

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-11C Date: January 21, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-11C QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	220	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	51.32	feet
4. C = Column of Water in Casing:	168.68	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	253.02	gal
6. D2 = Pump Setting Depth (ft):	210.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	158.68	feet
8. Tubing Volume = C2(0.005737088)	0.9103611	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1005	1010	1015	1020	1025	1030	1035
Water Level (0.33)	feet	51.65	51.59	51.59	51.59	51.59	51.59	51.59
Volume Purged	gal	0.00	<0.50	>0.50	<0.75	>0.75	1.00	>1.00
Flow Rate	mL / min	100	150	150	100	100	100	100
Turbidity (+/- 10%)	NTU	22.80	16.50	10.21	8.43	11.90	12.50	10.24
Dissolved Oxygen (+/- 10%)	%	48.6	25.3	21.4	20.4	19.2	18.5	18.1
Dissolved Oxygen (+/- 10%)	mg/L	5.49	3.00	2.52	2.41	2.26	2.19	2.14
Eh / ORP (+/- 10)	MeV	237.0	203.9	193.1	184.7	182.0	202.8	229.3
Specific Conductivity	mS/cm^c	0.608	0.710	0.717	0.717	0.717	0.715	0.715
Conductivity (+/- 3%)	mS/cm	0.427	0.480	0.485	0.484	0.484	0.482	0.483
pH (+/- 0.1)	pH unit	7.14	6.97	6.98	7.01	7.02	7.03	7.03
Temp (+/- 0.5)	C	9.29	8.06	8.05	7.99	8.00	7.95	8.01
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1005

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-11C Date: January 21, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-11C QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	220	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	51.32	feet
4. C = Column of Water in Casing:	168.68	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	253.02	gal
6. D2 = Pump Setting Depth (ft):	210.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	158.68	feet
8. Tubing Volume = C2(0.005737088)	0.9103611	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1040	1045	1050	1055	1100		
Water Level (0.33)	feet	51.59	51.59	51.59	51.59	51.59		
Volume Purged	gal	>1.25	1.50	>1.50	<1.75	1.75		
Flow Rate	mL / min	100	100	100	100	100		
Turbidity (+/- 10%)	NTU	8.39	10.47	7.23	9.04	7.29		
Dissolved Oxygen (+/- 10%)	%	17.6	18.4	18.9	18.8	16.9		
Dissolved Oxygen (+/- 10%)	mg/L	2.09	2.18	2.22	2.21	1.98		
Eh / ORP (+/- 10)	MeV	188.9	171.7	156.3	152.0	150.1		
Specific Conductivity	mS/cm^c	0.714	0.713	0.712	0.713	0.713		
Conductivity (+/- 3%)	mS/cm	0.779	0.481	0.483	0.486	0.487		
pH (+/- 0.1)	pH unit	7.01	7.01	7.01	7.01	7.01		
Temp (+/- 0.5)	C	7.80	7.96	8.18	8.38	8.42		
Color	Visual	Clear	Clear	Clear	Clear	Clear		
Odor	Olfactory	None	None	None	None	None		
Ferrous Iron	mg/L	Collect only at sample time				0.04		

Comments:
Sampled at 1100

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-12B Date: January 22, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-12B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	200	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	13.85	feet
4. C = Column of Water in Casing:	186.15	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	279.23	gal
6. D2 = Pump Setting Depth (ft):	190.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	176.15	feet
8. Tubing Volume = C2(0.005737088)	1.0105881	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	930	935	940	945	950	955	1000
Water Level (0.33)	feet	13.86	13.86	13.86	13.86	13.86	13.86	13.86
Volume Purged	gal	0.00	0.25	>0.25	0.50	>0.50	0.75	>0.75
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	33.30	10.92	7.12	6.43	6.07	7.36	7.68
Dissolved Oxygen (+/- 10%)	%	75.1	41.8	34.3	31.4	29.7	28.2	25.8
Dissolved Oxygen (+/- 10%)	mg/L	8.47	4.86	4.02	3.71	3.54	3.38	3.07
Eh / ORP (+/- 10)	MeV	221.3	214.3	212.1	210.4	208.8	207.5	205.1
Specific Conductivity	mS/cm^c	0.475	0.461	0.464	0.469	0.475	0.528	0.584
Conductivity (+/- 3%)	mS/cm	0.334	0.317	0.315	0.317	0.319	0.351	0.390
pH (+/- 0.1)	pH unit	7.30	6.79	6.73	6.73	6.73	6.72	6.71
Temp (+/- 0.5)	C	9.32	8.47	8.17	8.01	7.73	7.42	7.56
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 930

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-12B Date: January 22, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-12B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	200	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	13.85	feet
4. C = Column of Water in Casing:	186.15	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	279.23	gal
6. D2 = Pump Setting Depth (ft):	190.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	176.15	feet
8. Tubing Volume = C2(0.005737088)	1.0105881	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1005	1010	1015	1020	1025	1030	
Water Level (0.33)	feet	13.85	13.85	13.85	13.85	13.85	13.85	
Volume Purged	gal	>1.00	1.25	>1.25	1.50	>1.50	1.75	
Flow Rate	mL / min	150	150	150	150	150	150	
Turbidity (+/- 10%)	NTU	6.58	6.66	5.64	5.30	6.18	5.78	
Dissolved Oxygen (+/- 10%)	%	24.0	22.6	22.3	21.6	21.2	21.1	
Dissolved Oxygen (+/- 10%)	mg/L	2.88	2.67	2.60	2.54	2.46	2.48	
Eh / ORP (+/- 10)	MeV	199.6	191.2	175.8	169.3	160.2	155.4	
Specific Conductivity	mS/cm^c	0.672	0.644	0.650	0.664	0.668	0.669	
Conductivity (+/- 3%)	mS/cm	0.412	0.434	0.443	0.451	0.459	0.455	
pH (+/- 0.1)	pH unit	6.72	6.69	6.70	6.70	6.70	6.71	
Temp (+/- 0.5)	C	7.28	7.82	8.26	8.13	8.13	8.26	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	None	None	None	None	None	None	
Ferrous Iron	mg/L	Collect only at sample time					0.03	

Comments:
Sampled at 1030

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-13B Date: January 24 & 25, 2013

Samplers: Mark Howard and Matt Dean

Sample Number: MW-13B QA/QC Collected? no

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth: _____ feet
2. D = Riser Diameter (I.D.): _____ feet
3. W = Static Depth to Water (TOC): _____ feet
4. C = Column of Water in Casing: _____ feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ _____ gal
6. D2 = Pump Setting Depth (ft): _____ feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	917	922	927	932			
Water Level (0.33)	feet	-	-	-	-			
Volume Purged	gal	0.00	3.25	6.75	9.00			
Flow Rate	mL / min	-	-	-	-			
Turbidity (+/- 10%)	NTU	1.40	3.11	2.27	3.00			
Dissolved Oxygen (+/- 10%)	%	9.0	7.5	6.8	6.3			
Dissolved Oxygen (+/- 10%)	mg/L	1.00	0.83	0.75	0.70			
Eh / ORP (+/- 10)	MeV	-59.8	-64.8	-72.7	-75.1			
Specific Conductivity	mS/cm^c	0.325	0.325	0.325	0.325			
Conductivity (+/- 3%)	mS/cm	0.237	0.236	0.236	0.236			
pH (+/- 0.1)	pH unit	7.10	7.16	7.22	7.22			
Temp (+/- 0.5)	C	10.78	10.74	10.63	10.65			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			1.21			

Comments:
Started purge at 1600 on 1/24/13
Sampled at 932 on 1/25/13

Natural flow artesian ~1l/min
* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-14B Date: January 22, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-14B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	155	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	4.67	feet
4. C = Column of Water in Casing:	150.33	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	225.50	gal
6. D2 = Pump Setting Depth (ft):	145.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	140.33	feet
8. Tubing Volume = C2(0.005737088)	0.8050856	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1302	1307	1312	1317	1322	1327	1332
Water Level (0.33)	feet	4.35	4.48	4.56	6.05	5.75	5.40	5.47
Volume Purged	gal	0.00	0.25	>0.25	3.00	>3.00	<3.25	3.25
Flow Rate	mL / min	100	100	50	50	50	75	75
Turbidity (+/- 10%)	NTU	20.2	19.3	17.50	13.2	12.2	11.4	11.3
Dissolved Oxygen (+/- 10%)	%	81.0	34.8	24.7	43.9	19.6	13.3	12.9
Dissolved Oxygen (+/- 10%)	mg/L	9.65	4.16	3.04	4.65	2.31	1.60	1.57
Eh / ORP (+/- 10)	MeV	-53.1	-54.1	-49.8	-57.6	-41.8	-47.8	-46.0
Specific Conductivity	mS/cm^c	0.532	0.536	0.535	0.526	0.546	0.545	0.548
Conductivity (+/- 3%)	mS/cm	0.356	0.356	0.344	0.363	0.359	0.362	0.358
pH (+/- 0.1)	pH unit	7.17	7.12	7.14	7.11	7.10	7.09	7.09
Temp (+/- 0.5)	C	7.66	7.39	6.30	8.55	7.10	7.40	6.90
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1302

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-14B Date: January 22, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-14B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	155	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	4.67	feet
4. C = Column of Water in Casing:	150.33	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	225.50	gal
6. D2 = Pump Setting Depth (ft):	145.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	140.33	feet
8. Tubing Volume = C2(0.005737088)	0.8050856	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1337	1342	1347	1352	1357	1402	
Water Level (0.33)	feet	5.30	5.25	5.21	5.18	5.16	5.16	
Volume Purged	gal	>3.25	3.50	>3.50	<3.75	3.75	>3.75	
Flow Rate	mL / min	75	75	100	100	100	100	
Turbidity (+/- 10%)	NTU	11.20	10.10	11.20	10.57	10.56	10.54	
Dissolved Oxygen (+/- 10%)	%	14.5	13.8	15.0	15.2	16.4	16.6	
Dissolved Oxygen (+/- 10%)	mg/L	1.81	1.72	1.83	1.82	1.96	1.98	
Eh / ORP (+/- 10)	MeV	-42.8	-40.7	-39.5	-40.6	-42.0	-43.1	
Specific Conductivity	mS/cm^c	0.548	0.547	0.544	0.544	0.544	0.543	
Conductivity (+/- 3%)	mS/cm	0.349	0.348	0.354	0.361	0.363	0.364	
pH (+/- 0.1)	pH unit	7.09	7.10	7.07	7.06	7.05	7.02	
Temp (+/- 0.5)	C	5.98	5.97	6.86	7.40	7.63	7.76	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	None	None	None	None	None	None	
Ferrous Iron	mg/L	Collect only at sample time					Limit 3.30	

Comments:
Sampled at 1402

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-15B Date: January 18, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-15B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	150	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	12.35	feet
4. C = Column of Water in Casing:	137.65	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	206.48	gal
6. D2 = Pump Setting Depth (ft):	140.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	127.65	feet
8. Tubing Volume = C2(0.005737088)	0.7323393	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	937	942	947	952	957	1002	1007
Water Level (0.33)	feet	12.50	12.43	12.43	12.43	12.43	12.43	12.43
Volume Purged	gal	0.50	>0.50	0.75	>0.75	1.00	>1.00	<1.25
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	11.00	9.02	8.46	7.28	5.78	4.97	4.52
Dissolved Oxygen (+/- 10%)	%	23.4	18.5	16.3	15.0	14.4	14.0	14.5
Dissolved Oxygen (+/- 10%)	mg/L	2.64	2.21	1.92	1.77	1.72	1.66	1.72
Eh / ORP (+/- 10)	MeV	218.6	175.8	174.3	189.1	154.1	163.1	164
Specific Conductivity	mS/cm[c]	0.452	0.519	0.521	0.523	0.522	0.521	0.522
Conductivity (+/- 3%)	mS/cm	0.321	0.346	0.352	0.353	0.349	0.351	0.351
pH (+/- 0.1)	pH unit	7.72	7.02	7.03	7.04	7.04	7.05	7.05
Temp (+/- 0.5)	C	9.73	7.55	7.98	8.01	7.64	7.91	7.91
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 937

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-15B Date: January 18, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-15B QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	150	feet
2. D = Riser Diameter (I.D.):	0.5	feet
3. W = Static Depth to Water (TOC):	12.35	feet
4. C = Column of Water in Casing:	137.65	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	206.48	gal
6. D2 = Pump Setting Depth (ft):	140.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	127.65	feet
8. Tubing Volume = C2(0.005737088)	0.7323393	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1012	1017	1022	1027			
Water Level (0.33)	feet	12.43	12.43	12.43	12.43			
Volume Purged	gal	1.25	>1.25	>1.25	<1.50			
Flow Rate	mL / min	100	100	100	100			
Turbidity (+/- 10%)	NTU	3.75	4.04	4.00	4.01			
Dissolved Oxygen (+/- 10%)	%	14.2	15.0	15.5	15.0			
Dissolved Oxygen (+/- 10%)	mg/L	1.67	1.78	1.84	1.77			
Eh / ORP (+/- 10)	MeV	158.7	137.8	119.6	108.9			
Specific Conductivity	mS/cm^c	0.52	0.521	0.521	0.52			
Conductivity (+/- 3%)	mS/cm	0.353	0.351	0.352	0.352			
pH (+/- 0.1)	pH unit	7.06	7.06	7.06	7.07			
Temp (+/- 0.5)	C	7.20	7.95	8.01	8.03			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			
Ferrous Iron	mg/L	Collect only at sample time			0.15			

Comments:
Sampled at 1027

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-16 Date: January 18, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-16 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	93	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	27.25	feet
4. C = Column of Water in Casing:	65.75	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	10.72	gal
6. D2 = Pump Setting Depth (ft):	80.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	52.75	feet
8. Tubing Volume = C2(0.005737088)	0.3026314	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1258	1303	1308	1313	1318	1323	1328
Water Level (0.33)	feet	27.13	27.20	27.25	27.30	27.32	27.35	29.50
Volume Purged	gal	0.00	<0.25	0.25	>0.25	<0.50	0.50	<0.50
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	2.27	3.20	12.80	21.90	32.80	36.10	33.60
Dissolved Oxygen (+/- 10%)	%	85.9	52.1	40.6	38.8	39.0	36.7	56.9
Dissolved Oxygen (+/- 10%)	mg/L	10.51	6.49	5.08	4.84	4.95	4.68	6.57
Eh / ORP (+/- 10)	MeV	23.9	50	67.1	72.1	57.6	77.7	74.3
Specific Conductivity	mS/cm^c	0.183	0.205	0.214	0.223	0.227	0.219	0.220
Conductivity (+/- 3%)	mS/cm	0.115	0.134	0.138	0.142	0.137	0.137	0.149
pH (+/- 0.1)	pH unit	7.50	6.82	6.55	6.55	6.51	6.51	6.56
Temp (+/- 0.5)	C	6.38	5.86	5.74	5.46	5.30	5.18	7.92
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:
Started purge at 1258

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-16 Date: January 18, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-16 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	93	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	27.25	feet
4. C = Column of Water in Casing:	65.75	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	10.72	gal
6. D2 = Pump Setting Depth (ft):	80.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	52.75	feet
8. Tubing Volume = C2(0.005737088)	0.3026314	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1333	1338	1343	1348	1353	1358	1403
Water Level (0.33)	feet	28.80	28.36	28.38	28.40	28.43	28.30	28.28
Volume Purged	gal	>2.50	<2.75	>2.75	3.00	>3.00	3.25	>3.25
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	30.80	25.70	23.00	19.90	15.60	17.60	11.08
Dissolved Oxygen (+/- 10%)	%	44.8	44.5	43.2	42.0	41.6	40.0	38.2
Dissolved Oxygen (+/- 10%)	mg/L	5.23	5.24	5.00	4.97	4.87	4.75	4.53
Eh / ORP (+/- 10)	MeV	78.0	80.6	82.0	83.8	84.4	86.4	85.7
Specific Conductivity	mS/cm^c	0.221	0.223	0.221	0.223	0.220	0.220	0.223
Conductivity (+/- 3%)	mS/cm	0.151	0.150	0.150	0.150	0.152	0.150	0.151
pH (+/- 0.1)	pH unit	6.50	6.43	6.42	6.42	6.42	6.45	6.41
Temp (+/- 0.5)	C	8.47	8.27	8.83	8.12	8.41	7.92	8.02
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time						

Comments:

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Mohonk Road Industrial Plant (MRIP) 60267317.2.1

Monitoring Well Number: MRMW-16 Date: January 18, 2013

Samplers: Mark Howard, Tim Steinhofer and Matt Dean

Sample Number: MW-16 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Grundfos Redi Flo II Pump with 3/8" I.D. Teflon lined tubing

1. L = Total Well Depth:	93	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	27.25	feet
4. C = Column of Water in Casing:	65.75	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	10.72	gal
6. D2 = Pump Setting Depth (ft):	80.00	feet
7. C2 = Column of water in Pump/Tubing (ft):	52.75	feet
8. Tubing Volume = C2(0.005737088)	0.3026314	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using YSI 556, LaMotte 2020, and Hach 890

Parameter	**Units**	**Readings**						
Time	24 hr	1408	1413					
Water Level (0.33)	feet	28.27	28.26					
Volume Purged	gal	3.50	>3.50					
Flow Rate	mL / min	100	100					
Turbidity (+/- 10%)	NTU	9.29	9.19					
Dissolved Oxygen (+/- 10%)	%	39.7	38.7					
Dissolved Oxygen (+/- 10%)	mg/L	4.67	4.54					
Eh / ORP (+/- 10)	MeV	84.9	85.5					
Specific Conductivity	mS/cm^c	0.224	0.222					
Conductivity (+/- 3%)	mS/cm	0.152	0.151					
pH (+/- 0.1)	pH unit	6.46	6.42					
Temp (+/- 0.5)	C	8.22	8.25					
Color	Visual	Clear	Clear					
Odor	Olfactory	None	None					
Ferrous Iron	mg/L		0.32					

Comments:
Sampled at 1413

* Three consecutive readings within range indicates stabilization of that parameter.

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/29/2013

Location: High Falls, NY **Well ID:** MW-17

Project No.: 60267317.2.1

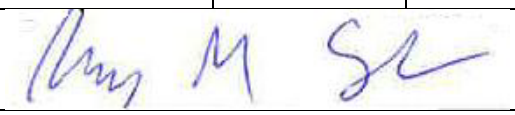
	Sample Port		
	#1	**#2**	**#3**
Purge Pressure Applied (psi):	62	62	62
Starting Water Level (TOC) (feet)	9'	13'10"	13'11"
1st Purge Stroke			
Time 1st Purge Began:	9:15:15	9:21:10	9:26:36
Time of water quality Readings	9:16:54	9:22:29	9:27:56
pH	6.75	6.81	6.87
Temperature (℃)	10.50	10.36	10.35
Specific Conductivity (mS/cm)	0.572	0.508	0.508
Conductivity (mS/cm)	0.413	0.366	0.366
Turbidity (NTU)	2.05	3.11	2.54
Dissolved Oxygen (%)	66.1	32.8	26.7
Dissolved Oxygen (Mg/L)	7.11	3.50	2.75
Eh / ORP (MeV)	259.1	242.7	99.0
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	0.75	0.75	0.75
Duration of 1st Purge (min/sec):	4.06	3.45	4.01
Volume of 1st Purge (gallon):	0.75	1.00	1.25
2nd Purge Stroke			
Time 2nd Purge Began:	9:32:20	9:38:44	9:43:52
Time of water quality readings	9:33:10	9:39:49	9:45:10
pH	6.93	6.95	6.95
Temperature (℃)	10.34	10.35	10.29
Specific Conductivity (mS/cm)	0.511	0.507	0.523
Conductivity (mS/cm)	0.368	0.365	0.377
Turbidity (NTU)	2.06	2.80	4.16
Dissolved Oxygen (%)	37.9	24.3	19.8
Dissolved Oxygen (Mg/L)	4.11	2.62	2.13
Eh / ORP (MeV)	107.7	124.5	-57.5
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	0.75	0.75	0.75
Duration of 2nd Purge (min/sec):	4.00	3.44	3.00
Volume of 2nd Purge (gallon):	1	<1.25	<1

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/29/2013

Location: High Falls, NY **Well ID:** MW-17

Project No.: 60267317.2.1

3rd Purge Stroke			
Time 3rd Purge Began:	9:48:45	9:54:10	10:00:00
Time of water quality readings	9:49:48	9:55:30	10:01:30
pH	6.98	6.95	7.00
Temperature (℃)	10.33	10.38	10.24
Specific Conductivity (mS/cm²)	0.512	0.504	0.517
Conductivity (mS/cm)	0.369	0.365	0.371
Turbidity (NTU)	1.98	6.27	3.57
Dissolved Oxygen (%)	35.4	29.2	24.1
Dissolved Oxygen (Mg/L)	3.82	3.11	2.61
Eh / ORP (MeV)	5.6	48.0	-30.3
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	0.75	0.75	0.75
Duration of 3rd Purge (min/sec):	3.50	3.25	2.31
Volume of 3rd Purge (gallon):	1.25	<1.25	<1
Sample Information			
Sample Pressure Applied (psi):	46	46	46
Volume Discarded before Sample (liter):	0.75	0.75	0.75
Sample Time:	10:08:32	10:17:12	10:25:22
Sample ID:	MW-17-1	MW-17-2	MW-17-3
pH	7.00	7.01	7.03
Temperature (℃)	10.17	10.12	10.14
Specific Conductivity (mS/cm²)	0.511	0.505	0.511
Conductivity (mS/cm)	0.366	0.361	0.366
Turbidity (NTU)	2.34	9.67	2.71
Dissolved Oxygen (%)	34.2	33.6	26.3
Dissolved Oxygen (Mg/L)	3.74	3.71	2.85
Eh / ORP (MeV)	31.7	68.4	-7.2
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Ferrous Iron	0.04	0.02	0.30
Depth to Water (feet below fitting):	8'6"	13'7"	13'9"
Date/Time of Water Level:	1/31/13-13:45	1/31/13-13:45	1/31/13-13:45
Comments			
Sampling Team Members: Tim Steinhofer, and Matt Dean			Sampler's Signature

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/28/2013

Location: High Falls, NY **Well ID:** MW-19

Project No.: 60267317.2.1

	Sample Port		
	#1	**#2**	**#3**
Purge Pressure Applied (psi):	90	90	90
Starting Water Level (TOC) (feet)	2.6	0	0
1st Purge Stroke			
Time 1st Purge Began:	9:40:46	9:50:13	10:00:49
Time of water quality Readings	9:41:30	9:51:03	10:01:42
pH	6.85	6.99	6.97
Temperature (℃)	10.47	10.53	10.58
Specific Conductivity (mS/cm)	0.761	0.520	0.488
Conductivity (mS/cm)	0.555	0.375	0.355
Turbidity (NTU)	5.23	3.23	3.27
Dissolved Oxygen (%)	75.5	34.7	23.0
Dissolved Oxygen (Mg/L)	7.38	3.76	2.46
Eh / ORP (MeV)	-40.7	-47.3	-47.0
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	1	1	1
Duration of 1st Purge (min/sec):	7.26	7.32	7.39
Volume of 1st Purge (gallon):	1.75	1.75	1.75
2nd Purge Stroke			
Time 2nd Purge Began:	10:10:47	10:34:28	10:44:19
Time of water quality readings	10:11:43	10:35:21	10:45:17
pH	6.92	6.96	7.00
Temperature (℃)	10.92	10.66	10.83
Specific Conductivity (mS/cm)	0.735	0.489	0.487
Conductivity (mS/cm)	0.540	0.357	0.355
Turbidity (NTU)	6.13	2.85	3.61
Dissolved Oxygen (%)	16.6	9.7	14.3
Dissolved Oxygen (Mg/L)	1.76	1.07	1.53
Eh / ORP (MeV)	-40.1	-48.1	-50.6
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	1	1	1
Duration of 2nd Purge (min/sec):	7.32	7.30	6.45
Volume of 2nd Purge (gallon):	1.75	2	1.5

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/28/2013

Location: High Falls, NY **Well ID:** MW-19

Project No.: 60267317.2.1

3rd Purge Stroke			
Time 3rd Purge Began:	10:53:01	11:01:59	11:11:15
Time of water quality readings	10:53:58	11:03:02	11:12:29
pH	6.95	7.02	7.00
Temperature (℃)	10.90	10.81	10.70
Specific Conductivity (mS/cm²)	0.750	0.497	0.489
Conductivity (mS/cm)	0.550	0.362	0.356
Turbidity (NTU)	5.16	2.20	2.23
Dissolved Oxygen (%)	10.9	11.0	10.9
Dissolved Oxygen (Mg/L)	1.18	1.19	1.19
Eh / ORP (MeV)	-40.7	-43.6	-55.5
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	1	1	1
Duration of 3rd Purge (min/sec):	7.12	7.15	4.38
Volume of 3rd Purge (gallon):	1.75	1.25	1.5
Sample Information			
Sample Pressure Applied (psi):	71	71	71
Volume Discarded before Sample (liter):	1	1	1
Sample Time:	11:20:00	11:28:00	11:37:00
Sample ID:	MW-19-1	MW-19-2	MW-19-3
pH	7.00	7.04	7.04
Temperature (℃)	10.72	10.72	10.57
Specific Conductivity (mS/cm²)	0.756	0.472	0.488
Conductivity (mS/cm)	0.522	0.362	0.354
Turbidity (NTU)	4.72	3.44	3.27
Dissolved Oxygen (%)	16.9	18.1	10.6
Dissolved Oxygen (Mg/L)	1.82	1.93	1.17
Eh / ORP (MeV)	-34.5	-35.3	-52.6
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Ferrous Iron	3.30 Limit	3.30 Limit	3.30 Limit
Depth to Water (feet below fitting):	2"	0	0
Date/Time of Water Level:	1/31/13-13:30	1/31/13-13:30	1/31/13-13:30
Comments			
Sampling Team Members: Tim Steinhofer, and Matt Dean			Sampler's Signature

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/29/2013

Location: High Falls, NY **Well ID:** MW-20

Project No.: 60267317.2.1

	Sample Port		
	#1	**#2**	**#3**
Purge Pressure Applied (psi):	71	71	71
Starting Water Level (TOC) (feet)	58'3"	56'2"	81'2"
1st Purge Stroke			
Time 1st Purge Began:	10:18:20	10:22:10	10:28:10
Time of water quality Readings	10:19:14	10:23:47	10:29:28
pH	7.15	7.14	7.34
Temperature (℃)	10.48	10.63	10.56
Specific Conductivity (mS/cm)	1.180	2.040	0.645
Conductivity (mS/cm)	0.852	1.483	0.467
Turbidity (NTU)	4.49	2.60	2.56
Dissolved Oxygen (%)	20.7	28.5	10.3
Dissolved Oxygen (Mg/L)	2.26	2.93	1.14
Eh / ORP (MeV)	50.7	-8.5	-100.2
Water Color	Clear	Clear	Clear
Water Odor	None	Sulfur	Sulfur
Volume at water qual. Readings (liter)	0.5	0.5	0.5
Duration of 1st Purge (min/sec):	3.03	3.01	2.22
Volume of 1st Purge (gallon):	1	1	<.75
2nd Purge Stroke			
Time 2nd Purge Began:	10:34:08	10:39:10	10:44:55
Time of water quality readings	10:35:25	10:40:38	10:46:10
pH	7.34	7.43	7.58
Temperature (℃)	10.50	10.54	10.51
Specific Conductivity (mS/cm)	1.118	1.964	0.673
Conductivity (mS/cm)	0.809	1.422	0.486
Turbidity (NTU)	2.61	2.41	2.36
Dissolved Oxygen (%)	20.4	16.7	51.6
Dissolved Oxygen (Mg/L)	2.20	1.80	5.51
Eh / ORP (MeV)	-46.3	-44.7	-89.0
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	0.5	0.5	0.5
Duration of 2nd Purge (min/sec):	3.07	2.26	2.30
Volume of 2nd Purge (gallon):	1	0.5	0.75

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/29/2013

Location: High Falls, NY **Well ID:** MW-20

Project No.: 60267317.2.1

3rd Purge Stroke			
Time 3rd Purge Began:	10:49:47	10:55:45	11:00:57
Time of water quality readings	10:51:11	10:57:12	11:02:45
pH	7.50	7.47	7.72
Temperature (℃)	10.55	10.58	10.53
Specific Conductivity (mS/cm²)	1.107	1.959	0.647
Conductivity (mS/cm)	0.803	1.424	0.466
Turbidity (NTU)	2.31	2.16	2.04
Dissolved Oxygen (%)	23.4	10.8	14.7
Dissolved Oxygen (Mg/L)	2.42	1.18	1.50
Eh / ORP (MeV)	-46.1	-37.8	-118.6
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Volume at water qual. Readings (liter)	0.5	0.5	0.5
Duration of 3rd Purge (min/sec):	3.03	2.58	2.2
Volume of 3rd Purge (gallon):	1	<1	<.75
Sample Information			
Sample Pressure Applied (psi):	54	54	54
Volume Discarded before Sample (liter):	0.5	0.5	0.5
Sample Time:	11:10:19	11:23:01	11:32:22
Sample ID:	MW-20-1	MW-20-2	MW-20-3
pH	7.51	7.46	7.00
Temperature (℃)	10.50	10.50	10.41
Specific Conductivity (mS/cm²)	1.115	2.025	0.666
Conductivity (mS/cm)	0.807	1.465	0.480
Turbidity (NTU)	3.53	2.47	1.79
Dissolved Oxygen (%)	12.5	10.6	15.9
Dissolved Oxygen (Mg/L)	1.37	1.17	1.52
Eh / ORP (MeV)	-37.0	-32.4	-125.8
Water Color	Clear	Clear	Clear
Water Odor	None	None	None
Ferrous Iron	0.10	0.35	0.60
Depth to Water (feet below fitting):	57'9"	55'6"	74'3"
Date/Time of Water Level:	1/31/13-13:00	1/31/13-13:00	1/31/13-13:00
Comments			
Sampling Team Members: Tim Steinhofer, and Matt Dean			Sampler's Signature

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/31/2013

Location: High Falls, NY **Well ID:** MW-21

Project No.: 60267317.2.1

	Sample Port					
	#1	**#2**	**#3**	**#4**	**#5**	**#6**
Purge Pressure Applied (psi):	77	77	77	77	77	77
Starting Water Level (TOC) (feet)	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
1st Purge Stroke		*	**	***		
Time 1st Purge Began:	9:10:22	9:19:01	9:25:36	9:24:32	9:38:10	9:46:32
Time of water quality Readings	9:12:18	9:20:59		9:31:06	9:40:07	9:48:10
pH	6.96	11.42		8.32	7.26	6.96
Temperature (°C)	10.68	10.63		10.68	10.71	10.95
Specific Conductivity (mS/cm^{c})	0.491	0.778		0.419	0.413	0.408
Conductivity (mS/cm)	0.357	0.543		0.305	0.300	0.299
Turbidity (NTU)	8.51	error		15.4	5.96	7.73
Dissolved Oxygen (%)	61.1	39.4		49.9	54.6	48.0
Dissolved Oxygen (Mg/L)	6.75	4.37		5.52	6.01	5.26
Eh / ORP (MeV)	116.2	-62.2		119.8	134.2	139.4
Water Color	Clear	Clear		Clear	Clear	Clear
Water Odor	None	None		None	None	None
Volume at water qual. Readings (liter)	1.75	1.75		1.75	1.75	1.75
Duration of 1st Purge (min/sec):	5.51	3.07		6.48	6.25	7.00
Volume of 1st Purge (gallon):	1.5	1		1.75	1.5	1.75
2nd Purge Stroke						
Time 2nd Purge Began:	9:55:30	10:04:40	10:14:10	10:15:05	10:23:41	10:31:57
Time of water quality readings	9:57:08	10:06:27		10:16:27	10:25:12	10:33:45
pH	6.91	7.09		6.97	6.89	6.87
Temperature (°C)	10.76	10.68		10.53	10.73	10.61
Specific Conductivity (mS/cm^{c})	0.492	0.462		0.411	0.408	0.408
Conductivity (mS/cm)	0.358	0.336		0.298	0.297	0.268
Turbidity (NTU)	3.04	11.2		3.32	2.74	1.99
Dissolved Oxygen (%)	43.2	45.4		49.5	47.7	48.4
Dissolved Oxygen (Mg/L)	4.77	5.01		5.49	5.27	5.36
Eh / ORP (MeV)	144.5	140.5		154.7	157.1	157.5
Water Color	Clear	Clear		Clear	Clear	Clear
Water Odor	None	None		None	None	None
Volume at water qual. Readings (liter)	1.75	1.75		1.75	1.75	1.75
Duration of 2nd Purge (min/sec):	6.27	3.36		6.46	6.06	6.57
Volume of 2nd Purge (gallon):	1.75	1		1.75	1.75	1.75

FIELD DATA SHEET FOR FLUTe WELL SAMPLING

Site Name: Mohonk Road Industrial Plant Site **Date:** 1/31/2013

Location: High Falls, NY **Well ID:** MW-21

Project No.: 60267317.2.1

	Sample Port					
	#1	**#2**	**#3**	**#4**	**#5**	**#6**
3rd Purge Stroke						
Time 3rd Purge Began:	10:42:45	10:50:05		10:58:00	11:06:10	11:19:26
Time of water quality readings	10:44:00	10:51:50		10:59:19	11:07:10	11:20:19
pH	6.86	6.93		6.85	6.87	6.32
Temperature (°C)	10.88	10.84		11.03	11.07	10.82
Specific Conductivity (mS/cm^{c})	0.489	0.440		0.404	0.408	0.408
Conductivity (mS/cm)	0.357	0.321		0.300	0.294	0.298
Turbidity (NTU)	2.15	3.93		2.20	1.58	2.53
Dissolved Oxygen (%)	44.1	47.1		53.8	53.2	53.2
Dissolved Oxygen (Mg/L)	4.85	5.20		5.86	5.85	5.82
Eh / ORP (MeV)	159.2	151.4		161.6	162.6	162.0
Water Color	Clear	Clear		Clear	Clear	Clear
Water Odor	None	None		None	None	None
Volume at water qual. Readings (liter)	1.75	1.75		1.75	1.75	1.75
Duration of 3rd Purge (min/sec):	6.20	6.13		6.39	6.10	6.58
Volume of 3rd Purge (gallon):	1.50	1.50		<1.75	<1.75	1.75
Sample Information						
Sample Pressure Applied (psi):	58	58	58	58	58	58
Volume Discarded before Sample (liter):	1.75	1.75	1.75	1.75	1.75	1.75
Sample Time:	11:30	11:40:15		11:48:12	11:56:00	12:03:15
Sample ID:	MW-21-1	MW-21-2	MW-21-3	MW-21-4	MW-21-5	MW-21-6
pH	6.86	6.86		6.68	6.80	6.82
Temperature (°C)	9.70	10.62		10.65	10.83	10.69
Specific Conductivity (mS/cm^{c})	0.488	0.425		0.408	0.407	0.408
Conductivity (mS/cm)	0.345	0.309		0.297	0.297	0.247
Turbidity (NTU)	2.99	4.95		2.10	1.60	1.78
Dissolved Oxygen (%)	36.9	54.2		47.4	50.1	49.2
Dissolved Oxygen (Mg/L)	4.18	5.67		5.21	5.48	5.39
Eh / ORP (MeV)	166.2	166.4		167.8	169.0	167.4
Water Color	Clear	Clear		Clear	Clear	Clear
Water Odor	None	None		None	None	None
Ferrous Iron	0.01	0.03		0.03	0.0 limit	0.03
Depth to Water (feet below fitting):	0.0a	0.0a		0.0a	0.0a	0.0a
Date/Time of Water Level:						
Comments: *Appear to be a lot of lime scale in water causing high pH 11.42 **Doesn't appear to be frozen but no flow when gas applied in discharge line, did not replace		**Puncture	Collected DUP-2			
Sampling Team Members: Tim Steinhofer, and Matt Dean					Sampler's Signature	

Appendix C

Monitoring Well Analytical Data Summary Tables

Mohonk Road Industrial Plant Superfund Site
Historical Summary of Groundwater Analytical Results
Monitoring Well Sampling Events

Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-1B	October 1999	10U	10 U	10 U	10 U	NA
	December 2000	<3 U	<3 U	<3 U	<3 U	NA
	June 2001	<0.1 U	<0.1 U	<0.1 U	<0.1 U	NA
	January 2002	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	August 2002	<1.0 J	<1.0 J	<1.0 J	<1.0 J	NA
	January 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	1.3 J
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2006	0.5 U	0.5 U	0.5 U	0.5 U	2 R
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	July 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	January 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	May 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	July 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	1.9 UL
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA
MRMW-4	October 1999	380 J	62	6,800 J	1,600	NA
	December 2000	500	75 J	4,500	1,600	NA
	June 2001	516	49.5	3,580	1,470	NA
	January 2002	891	64	6,160	2,490	NA
	August 2002	650	49	3,300	1,800	NA
	January 2003	428	32	2,960	1,650	NA
	July 2003	306	34	2,220	1,420	NA
	July 2004	310	33 J	2,200	1,300	9.6
	April 2005	290	41	1,600	1,300	13
	October 2005	100	39 J	820	800	16 J
	April 2006	240	31 J	1,500 J	1,000 J	5.9
	October 2006	120	43	1,100	1,100	4
	April 2007	210	34	1,700	970	NA
	December 2007	160	47 J	1,100	990	3.3
	April 2008	110	32 J	770	660	9.6
	May 2009	73	43	770	710	4
	October 2010	33	9.2	360	140	NA
	June 2011	43	7.8	310	190	2.2 UL
	January 2013	42	26	400	190	NA
MRMW-5B	October 1999	250	50	2,900	130	NA
	December 2000	280	43	2,100	120	NA
	June 2001	327	47.0	2,370	91.0	NA
	January 2002	1360	92.0	10,100	436.0	NA
	January 2003	445	19	3,030	171	NA
	July 2003	171	27	1,460	62	NA
	July 2004	NS	NS	NS	NS	NS
	April 2005	440	35	3,000	270	15
	October 2005	97	41 J	1,100	96	27
	April 2006	280	28 J	2,500	230 J	12J
	October 2006	110	8.7	880	87	3.1
	April 2007	420	27	2,600	120	NA
	December 2007	560	15	4,600	380	4
	April 2008	770	21	6,300	140	14
	July 2008	160 J	20	1,600	78	18
	October 2008	120	24	1,000	70	9.7
	May 2009	890	40	5,000	240	10
	October 2010	54	10	410	31	4.5
	June 2011	83	8.4	580	40	2.1 U
	January 2013	78	6.4	650	73	NA

Mohonk Road Industrial Plant Superfund Site
Historical Summary of Groundwater Analytical Results
Monitoring Well Sampling Events

Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-5R	October 1999*	28	7 J	290 J	16	NA
	December 1999	270	22	1,500	62	NA
	December 2000	120	23	400	34	NA
	June 2001	75.0	17.4	466	24.5	NA
	January 2002	339.0	67	1,570	67	NA
	August 2002	110	22	440	27	NA
	January 2003	84	19	374	22	NA
	July 2003	30	5	116	8	NA
	July 2004	61	19	290	10	NA
	March 2005	67	14	280	20	7.1
	October 2006	61	15	230	9.2	5
	April 2007	47	33	130	7	NA
	December 2007	36	55	350	2.1	2.1 U
	April 2008	14	3.4	36	6	14
	October 2008	33	12	99	9.8	5.4
	January 2009	40	15	110	11	4
	May 2009	35	6.6	140	10	3
	July 2009	24	4.6	55	6.9	2.0 U
	October 2009	35	7.5	210	7.7	1.5 J
	June 2011	30	11	79	8.1	2.7
	January 2013	10	2.4	25	5.3	NA
MRMW-6B	October 1999	7J	2J	58	10 U	NA
	December 2000	3	<3 U	28	<3 U	NA
	June 2001	5.7	0.5	30.4	0.2 J	NA
	January 2002	13	1	78	0.7 J	NA
	August 2002	5.6	0.50 J	27	<1 J	NA
	January 2003	2	0.4 J	14	<0.3 U	NA
	July 2003	2	<0.3 U	13	<0.3 U	NA
	July 2004	3.7	0.42 J	18	0.5 U	1.6 J
	April 2005	1.7	0.59	9.2	0.5 U	2.3
	April 2006	2.6	0.5 U	14	0.5 U	20 U
	October 2006	1.5	0.28 J	11	0.5 U	20 R
	April 2007	3.8	0.5 U	17	0.5 U	NA
	December 2007	1.5	0.33 J	11	0.5 U	2.1 U
	January 2009	1.6	0.5 U	7.3	0.5 U	2.0 U
	May 2009	1.5	0.5 U	8.5	0.5 U	2.2 U
	July 2009	1.3	0.5 U	6.8	0.5 U	2.1 U
	October 2009	0.5 U	0.18	3.6	0.5 U	2.0 U
	January 2013	2.0	0.5 U	7.2	0.5 U	NA
MRMW-7R	October 1999*	35	23	470	4 J	NA
	December 1999	71	27 J	1,000	8.9	NA
	December 2000	44	27	320	<3 U	NA
	June 2001	39.8	23.2	381	3.8	NA
	January 2002	34	39	550	4	NA
	August 2002	56	60	480	5.0 J	NA
	January 2003	23/24	15/15	242/244	3/3	NA
	July 2003	43	24	365	4	NA
	July 2004	25	21	220	3.1	NA
	March 2005	43	22	270	5.6	8
	November 2005	20	16	170	3.5 J	11
	May 2006	24	23	200	4.8	NA
	October 2006	33	46	250	1.6	3.9
	April 2007	43	53	250	1.9	NA
	December 2007	37	52	350	2	2
	April 2008	82	25	330	1.5	3.7
	July 2008	13 J	12	57	0.3 J	2.1 U
	October 2008	33	13	92	11	4.6
	January 2009	19	14	70	2.4	2.0 U
	May 2009	30	40	160	2	2.4
	July 2009	35	40	240	2.1	2.0 U
	October 2009	24	39	170	2.4	2.0 U
	October 2010	18	18	67	1.4	2.2 U
	June 2011	23	30	92	2.5	2 U
	January 2013	19	24	73	2.2	NA

Mohonk Road Industrial Plant Superfund Site
Historical Summary of Groundwater Analytical Results
Monitoring Well Sampling Events

Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-8B	October 1999	10 U	10 U	10 U	10 U	NA
	December 2000	<3 U	<3 U	<3 U	<3 U	NA
	June 2001	<0.1 U	<0.1 U	<0.1 U	<0.1 U	NA
	January 2002	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	January 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	0.89 J
	April 2005	0.11 J	0.24 J	0.5 U	0.5 U	1.6 J
	October 2005	0.5 U	0.5 U	0.5 U	0.5 U	0.99 J
	April 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R/2 R
	October 2006	0.5 U	0.22 J	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.22 J	0.37 J	0.5 U	0.5 U	2 U
	April 2008	0.26 J	0.29 J	0.5 U	0.5 U	3.6
	July 2008	0.5 U	0.25 J	0.5 U	0.5 U	2.1 U
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	January 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	July 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2009	0.5 U	0.5 U	0.5 U	0.5 U	0.91
	October 2010	0.5 U	0.55	0.5 U	0.5 U	2 U
	June 2011	0.74	1.7	0.5 U	0.5 U	2 U
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA
MRMW-9	October 1999	10 U	10 U	10 U	10 U	NA
	December 2000	<3 U	<3 U	<3 U	<3 U	NA
	June 2001	<0.1 U	<0.1 U	<0.1 U	<0.1 U	NA
	January 2002	<0.4 U	<0.4 U	0.7 J	<0.3 U	NA
	August 2002	<0.5	0.27 J	0.73	<0.5	NA
	January 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
MRMW-9B	October 1999	10 U	10 U	10 U	10 U	NA
	December 2000	<3 U	<3 U	<3 U	<3 U	NA
	June 2001	0.2 J	<0.1 U	0.6	<0.1 U	NA
	January 2002	<0.4 U	<0.4 U	0.9 J	<0.3 U	NA
	August 2002	<0.5	<0.5	<0.5	<0.5	NA
	January 2003	<0.4 U	0.3 J	0.7 J	<0.3 U	NA
	July 2003	<0.4 U	<0.4 U	0.3 J	<0.3 U	NA
	July 2004	0.5 U	0.26 J	0.57	0.5 U	2.5
	April 2005	0.13 J	0.28 J	0.69	0.5 U	2.6
	October 2005	0.5 U	0.26 J	0.72	0.5 U	3.4
	April 2006	0.5 U	0.25 J	0.46 J	0.5 U	1 J
	October 2006	0.5 U	0.25 J	0.47 J	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.7 J	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.48 J	0.5 U	2.1 U
	April 2008	0.5 U	0.22 U	0.42 J	0.5 U	2
	July 2008	0.5 UJ	0.28 J	0.74	0.5 U	3.4
	October 2008	0.5 U	0.5 U	0.59	0.5 U	2.2 U
	January 2009	0.5 U	0.5 U	0.73	0.5 U	2.1 U
	April 2009	0.5 U	0.5 U	0.67	0.5 U	2.4
	July 2009	0.5 U	0.5 U	0.69	0.5 U	2.0 U
	October 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2010	0.5 U	0.5 U	0.7	0.5 U	2.2 U
	June 2011	0.5 U	0.5 U	0.72	0.5 U	2.1 U
	January 2013	0.5 U	0.5 U	0.52	0.5 U	NA

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Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-10B	October 1999	10 U	10 U	10 U	10 U	NA
	December 2000	<3 U	<3 U	<3 U	<3 U	NA
	June 2001	<0.1 U	<0.1 U	<0.1 U	<0.1 U	NA
	January 2002	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	August 2002	<0.5	<0.5	<0.5	<0.5	NA
	January 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	0.86 J
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2005	0.5 U	0.5 U	0.1 J	0.5 U	2 U
	April 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 UJ
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	July 2008	0.5 UJ	0.5 U	0.5 U	0.5 U	2 U
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	January 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	July 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA
MRMW-11	April 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	July 2009	1.0 U	0.5 U	0.5 U	0.5 U	2.0 U
MRMW-11B	October 1999	29	15	190	11	NA
	December 2000	<3 U	36	180	10	NA
	June 2001	24.4	12.3	64.6	4.8	NA
	January 2002	17	6	32	3	NA
	August 2002	28	8.5	56	3.8	NA
	January 2003	17	8	37	3	NA
	July 2003	14 J	9 J	44 J	4 J	NA
	July 2004	18	9.3	25	2.9	7
	April 2005	23	10	30	3.8	7.2
	October 2006	18	7.1	40	6.4	20 R
	April 2007	17	5.4	24	3.5	NA
	December 2007	19 J	8.3	19	3.5	2 U
	April 2008	11 J	5.3	13	2.4	5.3
	January 2009	27	11	23	5.1	3.9
	May 2009	19	8.5	15	3.4	3.8
	July 2009	18	8.4	14	2.8	2.0 U
	October 2009	15	5.8	12	2.7	2.0 U
	October 2010	23	13	16	4.1	3.8
	June 2011	12	7.5	9.5	2.4	2 UL
	January 2013	13	6.9	6.2	2.4	NA
MRMW-11C	October 1999	4 J	6 J	120	6 J	NA
	December 2000	40	11	130	7	NA
	June 2001	35.2	7.3	86.0	5.3	NA
	January 2002	28	8	86.0	6	NA
	August 2002	37	9.6	69.0	4.7	NA
	January 2003	35	9	73.0	5	NA
	July 2003	22	4	45	3	NA
	July 2004	14	4.5	28	2.8	5.7
	April 2005	22	5	32	3.6	5.9
	October 2006	11	3	16	2.4	20 R
	April 2007	18	5	19	3.3	NA
	December 2007	8.2	2	12	1.7	2.1 U
	April 2008	4.4	1.3	6	1.1	1.9 J
	July 2008	6.1 J	1.8	10	1.3	3.2
	October 2008	9.2	2	11	1.6	2.1 U
	January 2009	12	2.6	13	2.2	2.1 U
	May 2009	9	2.2	11	1.8	2.2 U
	July 2009	6.7	2.1	7.3	1.9	2.0 U
	October 2009	4	1.5	5.6	1.5	2.0 U
	October 2010	8.1	2.3	9.1	2	2.2 U
	June 2011	10	2.2	12	1.5	2 UL
	January 2013	6.5	1.3	5.5	1.2	NA

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Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-12B	October 1999	72	37	380	23 J	NA
	December 2000	43	18	220	15	NA
	June 2001	67.2	26.8	256	19.6	NA
	January 2002	77	32	276	22	NA
	August 2002	65	36	240	23	NA
	January 2003	72	30	219	18	NA
	July 2003	52	25	174	16	NA
	July 2004	39	24	96	12	11
	April 2005	87	54	150	22	25
	October 2006	47	31	76	14	31 J
	April 2007	56	29	72	13	NA
	December 2007	15	6.2	26	4.3	2.1 U
	April 2008	15 J	8.8	18	5.2	9.8
	July 2008	3.4 J	2.4	7	1.3	2.1
	October 2008	6.7	3.2	9.6	1.9	2.1 U
	January 2009	3.1	1.3	3.4	1	2.1 U
	May 2009	29	17	21	6.3	5
	July 2009	27	16	19	5.9	3.5
	October 2009	30	16	19	7.3	8.2
	October 2010	14	9.2	16	3.5	2.2 U
	June 2011	11	5.9	8.6	3	2.1 UL
	January 2013	11	5.7	5.3	2.8	NA
MRMW-13B	October 1999	10 U	10 U	10 U	10 U	NA
	December 2000	<3 U	<3 U	<3 U	<3 U	NA
	June 2001	<0.1 U	<0.1 U	<0.1 U	<0.1 U	NA
	January 2002	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	August 2002	<0.5	<0.5	<0.5	<0.5	NA
	January 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2006	0.5 R	0.5 R	0.5 R	0.5 R	2 R
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.5 U	0.5 U	1.1	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	February 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	May 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	July 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2 UL
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA

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Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-14B	October 1999	10 U	10 U	10 U	10 U	NA
	December 2000	<3 U	<3 U	<3 U	<3 U	NA
	June 2001	<0.1 U	0.4 J	<0.1 U	<0.1 U	NA
	January 2002	0.5 J	1	<0.3 U	<0.3 U	NA
	August 2002	NS	NS	NS	NS	NA
	January 2003	<0.4 U	0.8 J	<0.3 U	<0.3 U	NA
	July 2003	<0.4 U	0.6 J	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.58	0.5 U	0.5 U	1.6 J
	April 2005	0.3 J	0.8	0.5 U	0.15 J	1.9 J
	October 2005	0.25 J	0.62	0.5 U	0.5 U	2
	April 2006	0.5 U	0.67	0.5 U	0.5 U	2 R
	October 2006	0.5 U	0.72	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.82	0.5 U	0.5 U	NA
	December 2007	0.3 J	0.76	0.5 U	0.5 U	2.1 U
	April 2008	0.24 J	0.74	0.5 U	0.5 U	1.6 J
	July 2008	0.5 UJ	2	0.5 U	0.5 U	3.9
	October 2008	0.88	2.2	0.5 U	0.5 U	2.1 U
	January 2009	0.58	1.5	0.5 U	0.5 U	2.1 U
	April 2009	0.5 U	1.3	0.5 U	0.5 U	2.1 U
	July 2009	0.5 U	1.2	0.5 U	0.5 U	2.1 U
	October 2009	0.5 U	1.3	0.5 U	0.5 U	2.5
	October 2010	2.2	3.1	0.5 U	0.5 U	2 U
	April 2011	1.4	2.5	0.5 U	0.5 U	2.2 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2 UL
	January 2013	1.9	1.9	0.5 U	0.5 U	NA
MRMW-15B	October 1999	39	30	380	4 J	NA
	December 2000	63	37	250	<3 U	NA
	June 2001	63.6	35.4	377	3.8	NA
	January 2002	73	40	482	4	NA
	August 2002	54	31	330	5	NA
	January 2003	68	36	380	3	NA
	July 2003	38	30	327	3	NA
	July 2004	56	37	310	3	9.9
	April 2005	48	36	320	3.6	9.3
	October 2006	38	25	180	3.1	40 R
	April 2007	60	30	200	3.9	NA
	December 2007	43	25	170	3.5	4
	April 2008	35	17	110	2.2	8.2
	July 2008	81 J	24	200	3.1	9.9
	October 2008	55	25	210	2.9	3.5
	February 2009	54	24	210	2.7	4.9
	May 2009	50	25	200	2.7	5.9
	July 2009	39	24	130	3	3.1
	October 2009	30	14	86	1.8	1.7 J
	October 2010	49	21	150	2.1	3.6
	June 2011	20	21	130	2.4	3.1
	January 2013	33	15	75	1.8	NA
MRMW-16	July 2003	51	12	168	4	NA
	July 2004	60	10	160	8.8	8.9
	October 2006	60	25	140	12	40 R
	April 2007	1.7	0.5 U	2.9	0.5 U	NA
	December 2007	53	11	140	8.8	5.1 L
	April 2008	0.54	0.5 U	1.1	0.5 U	2 U
	July 2008	71 J	9.4	96	7.9	12
	October 2008	54	11	110	8.4	4.9
	February 2009	13	2.4	26	1.9	2.0 U
	May 2009	1.3	0.5 U	2.3	0.5 U	2.1 U
	July 2009	0.5 U	0.5 U	1.4	0.5 U	2.1 U
	October 2009	56	13	130	7.4	2.0 U
	October 2010	41	8.3	69	5.9	3.6
	June 2011	0.94	0.5 U	1.7	0.5 U	2.1 UL
	January 2013	4.1	0.5 U	5.6	0.65	NA

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Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-17-1	July 2003	63	21	175	11	NA
	July 2004	51	16	150	8.7	18
	April 2005	49	10	110	7.8	14
	April 2006	30	16	70J	7.6	8.4
	October 2006	38	16	79	7.9	20 R
	April 2007	58	16	80	8.4	NA
	December 2007	37	12	77	6.4	4.3
	April 2008	38	14	74	7.5	11
	July 2008	35 J	14	64	6.9	7.6
	October 2008	50	15	73	6.7	6.6
	February 2009	43	13	62	7.2	4
	May 2009	44	14	63	7	6
	July 2009	31	13	46	6.4	3.5
	October 2009	24 J	9.2	34	5.4	4.9
	October 2010	34	11	48	5.2	2.5
	June 2011	27	9.9	34	5.1	2.3
	January 2013	22	6.1	25	4.4	NA
MRMW-17-2	July 2003	60	22	160	10	NA
	July 2004	49	18	130	10	15
	April 2005	53	13	130	6.8	15
	April 2006	50	15	100	4.5 J	11
	October 2006	37	18	73	5.8	20 R
	April 2007	50	16	79	5.4	NA
	December 2007	26	15	49	5.3	4.8
	April 2008	36 J	16	73	5.5	14
	July 2008	32 J	15	54	4.8	9.6
	October 2008	47	17	64	5.4	8.7
	February 2009	45	17	60	5.3	5.6
	May 2009	35	17	51	5.5	8.7
	July 2009	33	16	48	5.7	4.2
	October 2009	26 J	12	36	4.1	6.8
	October 2010	32	12	39	4.2	3.3
	June 2011	30	12	33	4	2.6
	January 2013	25	9.5	24	3.7	NA
MRMW-17-3	July 2003	38	24	96	5	NA
	July 2004	41	21	120	1.6	14
	April 2005	46	13	110	1.4	15
	April 2006	36	16	63	0.6	10
	October 2006	35	19	65	0.74	20 R
	April 2007	49	17	73	0.6	NA
	December 2007	30	16	56	0.55	4.7
	April 2008	36 J	18 J	71	0.6	13
	July 2008	28 J	16	51	0.29 J	7.8 J
	October 2008	47	19	59	0.5 U	7.8
	February 2009	43	18	56	0.86	5.9
	May 2009	36	19	50	0.5 U	6.9
	July 2009	32	17	41	0.78	3.7
	October 2009	31 J	12	36	0.35 J	5.7
	October 2010	32	13	37	0.5 U	3.2
	June 2011	35	10	30	0.5 U	2.2 U
	January 2013	30	13	28	0.5 U	NA

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Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-18-1	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.34 J	0.5 U	0.5 U	1.7 J
	October 2004	0.23 J	0.43 J	0.5 U	0.5 U	2 U
	April 2005	0.24 J	0.71	0.5 U	0.5 U	0.78 J
	October 2005	0.17 J	0.49 J	0.5 U	0.5 U	1 J
	April 2006	0.5 U	0.32 J	0.5 U	0.5 U	2 R
	October 2006	0.5 U	0.3 J	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.32 J	0.5 U	0.5 U	2.1 U
	April 2008	0.5 U	0.38 J	0.5 U	0.5 U	0.73 J
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	February 2009	0.5 U	0.73	0.5 U	0.5 U	2.1 U
	May 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.3 U
	July 2009	1.0 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
MRMW-18-2	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.17 J	0.5 U	0.5 U	1.7 J
	October 2004	0.5 U	0.23 J	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.22 J	0.5 J	0.5 J	0.77 J
	October 2005	0.5 U	0.26 J	0.5 U	0.5 U	0.52 J
	April 2006	0.5 U	0.19 J	0.5 U	0.5 U	2 R
	October 2006	0.5 U	0.19 J	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	February 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	May 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	July 2009	1.0 U	0.5 U	0.5 U	0.5 U	2.1 U
	October 2009	0.5 U	0.5U	0.5 U	0.5 U	2.0 U
	October 2010	0.5 U	0.5U	0.5 U	0.5 U	2.1 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
MRMW-18-3	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.24 J	0.5 U	0.5 U	2 U
	October 2004	0.17 J	0.4 J	0.5 U	0.5 U	2 U
	April 2005	0.19 J	0.55	0.5 U	0.5 U	0.73 J
	October 2005	0.15 J	0.49 J	0.5 U	0.5 U	0.57 J
	April 2006	0.5 U	0.27 J	0.5 U	0.5 U	2 R
	October 2006	0.5 U	0.39 J	0.5 U	0.5 U	2 U
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.3 J	0.5 U	0.5 U	2.1 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	0.98 J
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	February 2009	0.5 U	0.52	0.5 U	0.5 U	2.1 U
	May 2009	0.5 U	0.5	0.5 U	0.5 U	2.0 U
	July 2009	1.0 U	0.5 U	0.5 U	0.5 U	2.1 U
	October 2009	0.5 U	0.5 U	0.5 U	0.5 U	5.1
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2.0 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U

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Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-19-1	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	1.4 J
	October 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	0.87 J
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	1.9 J
	July 2008	0.5 U	0.44 J	0.5 U	0.5 U	1.9 U
	October 2008	0.53	0.5 U	0.5 U	0.5 U	2.1 U
	February 2009	0.56	0.66	0.5 U	0.5 U	2.1 U
	April 2009	0.75	1	0.5 U	0.5 U	2.0 U
	October 2009	0.5 U	0.98	0.5 U	0.5 U	3.3
	January 2010	0.98	1.3	0.5 U	0.5 U	2.2 U
	July 2010	0.85	1.3	0.5 U	0.5 U	2.3 U
	October 2010	0.94	1.2	0.5 U	0.5 U	2.1 U
	January 2011	1.4	1.6	0.5 U	0.5 U	2.1 U
	April 2011	0.9	1.2	0.5 U	0.5 U	2.1 U
	June 2011	0.9	1.1	0.5 U	0.5 U	2.1 U
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA
MRMW-19-2	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2008	0.5 U	0.57	0.5 U	0.5 U	1.5 J
	July 2008	0.5 U	0.82	0.5 U	0.5 U	2 U
	October 2008	0.9	1.1	0.5 U	0.5 U	2.1 U
	February 2009	1.2	1.5	0.5 U	0.5 U	2.1 U
	April 2009	1.1	1.6	0.5 U	0.5 U	NA
	October 2009	0.5 U	1.1	0.5 U	0.5 U	2.6
	January 2010	1.1	1.4	0.5 U	0.5 U	2.2 U
	July 2010	0.82	1.3	0.5 U	0.5 U	2.4 U
	October 2010	0.99	1.3	0.5 U	0.5 U	2.1 U
	January 2011	1.5	1.7	0.5 U	0.5 U	2.1 U
	April 2011	1.1	1.6	0.5 U	0.5 U	2.1 U
	June 2011	1.2	1.7	0.5 U	0.5 U	2 U
	January 2013	1.0	1.0	0.5 U	0.5 U	NA
MRMW-19-3	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2008	0.5 U	0.41 U	0.5 U	0.5 U	1.6 J
	July 2008	0.5 U	0.63	0.5 U	0.5 U	2 U
	October 2008	0.57	0.91	0.5 U	0.5 U	2.1 U
	February 2009	1	1.3	0.5 U	0.5 U	2.1 U
	April 2009	1.2	1.5	0.5 U	0.5 U	2.0 U
	October 2009	0.5 U	0.91	0.5 U	0.5 U	2.1
	January 2010	1.1	1.4	0.5 U	0.5 U	2.3 U
	July 2010	0.94	1.3	0.5 U	0.5 U	2.2 U
	October 2010	0.93	1.2	0.5 U	0.5 U	2.1 U
	January 2011	1.3	1.6	0.5 U	0.5 U	2.1 U
	April 2011	1.2	1.6	0.5 U	0.5 U	2 U
	June 2011	1.2	1.6	0.5 U	0.5 U	2.1 U
	January 2013	0.94	0.96	0.5 U	0.5 U	NA

Mohonk Road Industrial Plant Superfund Site
Historical Summary of Groundwater Analytical Results
Monitoring Well Sampling Events

Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MRMW-20-1	July 2003	<0.4 U	<0.4 U	0.3 J	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	April 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA
MRMW-20-2	July 2003	<0.4 U	<0.4 U	0.3 J	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2.8
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA
MRMW-20-3	July 2003	<0.4 U	<0.4 U	<0.3 U	<0.3 U	NA
	July 2004	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2005	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2006	0.5 U	0.5 U	0.5 U	0.5 U	20 R
	April 2007	0.5 U	0.5 U	0.5 U	0.5 U	NA
	December 2007	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	April 2008	0.5 U	0.5 U	0.5 U	0.5 U	2 U
	October 2008	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	April 2009	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	October 2010	0.5 U	0.5 U	0.5 U	0.5 U	2.1 U
	June 2011	0.5 U	0.5 U	0.5 U	0.5 U	2.2 U
	January 2013	0.5 U	0.5 U	0.5 U	0.5 U	NA
MW-21-1	October 2008	5.4	0.9	9.3	2.4	2.1 U
	February 2009	6.3	1.7	9	2.3	2.2 U
	May 2009	6.8	1.6	9.4	2.6	2.0 U
	July 2009	7	2.1	6.8	2.2	2.0 U
	October 2009	9.2	4.3	7.4	2.8	2.0 U
	January 2010	7.6	2.2	7.3	3.3	2.3 U
	July 2010	8.2	2.6	8.4	3.8	2.0 U
	October 2010	7.5	1.5	10	3.5	2.1 U L
	June 2011	3.7	0.57	4.2	1.8	2 U
MW-21-2	October 2008	5.6	1.1	8.6	2.2	2.1 U
	February 2009	8.3	2.6	11	2.8	2.1 U
	May 2009	7.8	2.4	10	2.9	2.2 U
	July 2009	11	4.4	9.4	3	2.0 U
	October 2009	9.7	4.8	7.8	2.8	2.0 U
	January 2010	9	3	7.3	3.2	2.1 U
	July 2010	7.9	3	7.5	3.3	2.1 U
	October 2010	8.8	2.5	10	3.7	2 U
	June 2011	3.5	0.54	3.1	1.4	2.2
	January 2013	2.0	0.5 U	3.0	1.2	NA
MW-21-3	October 2008	5.4	1.5	7.4	1.6	2.1 U
	February 2009	7.3	2.9	8.1	2	2.2 U
	May 2009	14	7.4	11	2.9	3.1
	July 2009	6.3	5.6	11	3.3	2.0 U
	October 2009	14	7.3	8.8	3.3	2.0 U
	January 2010	17	9.2	8.7	4.5	4.2
	July 2010	11	5.3	7.1	3	2.3 U
	October 2010	15	8.9	12	3.6	2.4
	June 2011	5.3	2.2	4.3	1.7	2.2 U

Mohonk Road Industrial Plant Superfund Site
Historical Summary of Groundwater Analytical Results
Monitoring Well Sampling Events

Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
MW-21-4	October 2008	6.2	1.3	11	2.5	2.2 U
	February 2009	7.1	1.7	9	2.3	2.2 U
	May 2009	14	5.6	11	3.3	2.2 U
	July 2009	15	6.1	11	3.7	2.0 U
	October 2009	16	11	9.1	5.6	2.0 U
	January 2010	18	9.5	8.7	4.7	4.1
	July 2010	9.3	3.1	8.3	3.2	2.2 U
	October 2010	4.3	1	5.3	1.9	2 U
	June 2011	4	0.79	3.4	1.5	2.1 U
	January 2013	2.4	0.63	3.3	1.1	NA
MW-21-5	October 2008	9.4	2.8	12	4.3	2.1 U
	February 2009	7.2	2.1	8.4	3.2	3.4
	May 2009	13	5.9	11	4.1	2.5
	July 2009	14	6	10	4.2	2.0 U
	October 2009	17	10	8.5	5	2.0 U
	January 2010	18	10	8.4	4.9	4.3
	July 2010	9.9	4	7.8	3.9	2.1 U
	October 2010	6.4	2.1	6.2	2.9	2.1 U
	June 2011	4.4	1.1	4	1.6	2.2 U
	January 2013	2.3	0.5 U	3.3	1.2	NA
MW-21-6	October 2008	24	23	2.5	3.3	9.1
	February 2009	18	15	3.1	2.9	2.1 U
	May 2009	20	16	4	2.9	5.2
	July 2009	19	15	3.5	2.9	3.3
	October 2009	16	13	5.4	3.8	2.0 U
	Janaury 2010	21	17	2.8	3.7	6
	July 2010	21	18	1.4	2.8	3.7
	October 2010	15	11	3.1	2.6	2.7
	June 2011	11	8.5	2	2	2.1 U
	January 2013	2.8	0.85	3.4	1.2	NA
ERT-1	October 1999*	170	94	1,400	100	NA
	December 1999	130	36 J	1,200	53	NA
	December 2000	87 J	29 J	390	34 J	NA
	June 2001	75.0	18.8	416	24.0	NA
	January 2002	69.0	25	488	24.0	NA
	August 2002	140.0	65	940	33.0	NA
	January 2003	78	22	506	24	NA
	July 2003	72	18	322	21	NA
	July 2004	59	17	240	17	NA
	March 2005	90	27	410	27	20
	November 2005	60	15	300	16	18
	May 2006	73	17	360	18	NA
	October 2006	36	17	170	13	8.6
	April 2007	44	53	240	2	NA
	December 2007	32	49	330	2.1	2.1 U
	April 2008	37 J	10	120	10	7.8
	July 2008	24 J	11	58	6.4	4.6
	October 2008	39	14	110	11	5
	January 2009	84	37	460	25	5.1
	May 2009	39	14	140	11	4.8
	July 2009	80	12	260	10	2.5
	October 2009	23	12	160	10	2 U
	October 2010	22	11	48	5.7	2.5 U
	June 2011	37	14	120	11	2 UL
	January 2013	30	10	65	8.3	NA

Mohonk Road Industrial Plant Superfund Site
Historical Summary of Groundwater Analytical Results
Monitoring Well Sampling Events

Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane
ERT-2	October 1999	5 J	15	420	12	NA
	December 2000	21	12	220	7	NA
	June 2001	20.3	5.5	142	8.0	NA
	January 2002	38	20	358	16.0	NA
	August 2002	36	16	290	14.0	NA
	January 2003	34	10	202	13	NA
	July 2003	28	8	112	9	NA
	July 2004	14	6.2	41	4.7	4.1
	April 2005	25	21	180	2.8	4.8
	October 2005	12	12	150	8.4	21
	April 2006	8	2.3	28	2.5	2 R
	October 2006	1.7	0.48 J	7.5	1.4	2.1
	April 2007	14	3.2	62	3	NA
	December 2007	5	2.4	25	1.9	2.2 U
	April 2008	14	4.2	60	3.3	2 U
	October 2008	49	21	65	11	4.9
	May 2009	12	4.8	39	2.7	2.4
	October 2009	6.6	10	75	3.6	3.7
	October 2010	11	5.8	29	3	2.2 U
	June 2011	36	15	43	8.1	2.3
	January 2013	27	12	32	6.4	NA
ERT-3	October 1999	11	2J	130	52	NA
	December 2000	99 J	20	600	85	NA
	June 2001	47.6	9.0	328	70.4	NA
	January 2002	40	8.0	279	75	NA
	August 2002	42	9.4	250	73	NA
	January 2003	44	8	320	86	NA
	July 2003	60	11	389	79	NA
	July 2004	23	9.9	200	56	83
	April 2005	34	16	250	75	66
	April 2006	23	9.7	170	35	30
	October 2006	18	9.5	110	30	65 J
	April 2007	24	10	140	28	NA
	December 2007	32	18	210	39	7.6
	April 2008	37	13	250	40	31
	July 2008	26 J	14	210	29	32
	October 2008	31	18	190	48	23
	May 2009	26	16	190	37	35
	October 2009	6.3	6.3	73	20	13
	October 2010	23	16	100	20	8.1
	June 2011	29	16	91	21	4.9 L
	January 2013	22	15	87	34	NA
ERT-4	October 1999	490 J	160	6,400 J	460 J	NA
	December 2000	220	190 J	3,600	390 J	NA
	June 2001	920	196	13,800	800	NA
	January 2002	1,090	134	16,900	908	NA
	August 2002	1,200	190	16,000	640	NA
	January 2003	539	107	7,080	369	NA
	July 2003	402	68	5,080	248	NA
	July 2004	600	130	9,000	440	6.8
	April 2005	510	150	6,500	320	24
	April 2006	350	160 J	4,700	170	12
	October 2006	270	120	3,500	210	1,000 R
	April 2007	4	1.6	28	9.2	NA
	December 2007	850	110 J	8,400	300	4.7
	April 2008	250	85 J	3,000	96 J	9.3
	July 2008	61	27	880	59	8.8
	February 2009	160	51	2,000	99	6.2
	May 2009	400	60	2,300	220	5.6
	July 2009	130	24	1,000	71	2.1 U
	October 2009	92	15	410	28	7.5
	October 2010	290	94	3,500	170	4.8
	June 2011	180	54	2,200	120	2.9
	January 2013	68	18	840	78	NA

Mohonk Road Industrial Plant Superfund Site
Historical Summary of Groundwater Analytical Results
Monitoring Well Sampling Events

Monitoring Well ID	Sample Date	1,1-DCE	1,1-DCA	1,1,1-TCA	TCE	1,4-Dioxane

NOTES:

This table provides a summary of historical groundwater monitoring well sampling results for the MRIP Site, for only the four primary chlorinated VOC contaminants of concern, as follows:

1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene

Other various VOCs were detected during the sampling rounds at varying locations and concentrations. A complete summary of analytical results for this sampling event is included elsewhere.

All data expressed in concentrations of micrograms per liter (ug/L) or parts per billion (ppb)

U = Non-detect compound
J = Estimated value
NA = Not Analyzed
R - Presence or absence of analyte cannot be determined. Data is rejected/unusable
L - The actual value is expected to be greater than the reported value

*The analytical results from the samples collected in October 1999 are considered questionable due to soil and sediment loading in the well.

August 2002 samples collected by USEPA and analyzed at two laboratories.

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	ERT-1 10/18/2006 NORM	ERT-1 4/5/2007 NORM	ERT-1 11/30/2007 NORM	ERT-1 4/23/2008 NORM	ERT-1 7/24/2008 NORM	ERT-1 10/28/2008 NORM	ERT-1 1/28/2009 NORM	ERT-1 5/4/2009 NORM	ERT-1 7/13/2009 NORM	ERT-1 10/14/2009 NORM	ERT-1 10/22/2010 NORM	ERT-1 3/16/2011 NORM	ERT-1 6/8/2011 NORM	ERT-1 1/14/2013 NORM
Volatile Organics															
1,1,1-trichloroethane	ug/L	**170 J**	**240**	**330**	**120**	**58**	**110**	**460**	**140**	**260 J**	**160**	**48**	**410**	**120**	**65**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	**0.24 J**	**0.27 J**	2.5 U	0.5 U	**0.55 U**	0.5 U	0.5 U	0.5 U	0.5 U	**0.77 U**	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**17**	**53**	**49**	**10**	**10**	**14**	**37**	**14**	**12**	**12**	**11**	**36**	**14**	**10**
1,1-dichloroethene	ug/L	**36 J**	**44**	**32**	**37 J**	**24 J**	**39**	**84**	**39**	**80 J**	**23**	**22**	**72**	**37**	**30**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.67 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.7 U**	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**8.6**	NR	**2.1 U**	**7.8**	**4.6**	**5**	**5.1**	**4.8**	**2.5**	2 U	2.5 U	2 U	2 U L	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 UL	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.63 U**	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.2 U**	0.5 U	0.5 U	**0.16 J**	0.5 U	**1.1 U**	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.51 U**	0.5 U	0.5 U	0.5 U	0.5 U	**0.68 U**	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	**2**	**2.2 J**	**0.3 J**	**2.5 U**	0.5 U	**0.64 U**	0.5 U	0.5 U	**0.56 J**	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**13**	**2**	**2.1**	**10**	**6.4**	**11**	**25**	**11**	**10**	**10**	**5.7**	**28**	**11**	**8.3**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	**0.53**	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases															
ethane	ug/L	12 U			U		1 U	2 U	12 U	2 U	12 U		2 U	2 U	2 U
ethene	ug/L	17 U			U		1 U	2 U	17 U	2 U	17 U		2 U	2 U	2 U
methane	ug/L	10 U			**0.305 J**		2 U	2 U	10 U	2 U	10 U		2 U	2 U	2 U
Metals															
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U		0.008 U	0.008 U	0.008 U
calcium	mg/L	**105**	**89**		**95**	**90**	**89**	**94**	**97**	**97**	**110**		**88**	**90**	**90**
iron	mg/L	0.083 U	0.050 U		0.050 U	0.050 U	0.050 U	50 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
manganese	mg/L	0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	5.0 U	0.005 U	0.005 U	0.005 U		0.005 U	0.005 U	0.005 U
sodium	mg/L	**11.9**	**7.9**		**10.0**	**9.9**	**11**	**10**	**13**	**12**	**12**		**12**	**11**	**11**
Wet Chemistry															
chloride	mg/L	**30.9**	**14**		**1.9**	**20**	**3.7**		**17**	**30**	**21**		**33**	**25**	**26**
nitrate as N	mg/L	**2.02**	**0.77**		**0.62**	**0.59**	**0.59**	**0.71**	**0.65**	**0.52**	**0.5**		**0.43**	**0.61**	**0.63**
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	0.05 U	0.025 U
sulfate as SO4	mg/L	**82.6**													
carbon dioxide	mg/L	**237**													
alkalinity carbonate	mg/L		1 U		**240**	**220**	**230**	**250**	**230**	**250**	**290**		**230**	**220**	**240**
total alkalinity	mg/L	**237**	**240**		**240**	**220**	**230**	**250**	**230**	**250**	**290**		**230**	**220**	**240**
total organic carbon	mg/L	**1**	1 U		1 U	1 U	**1**	1.0 U	1 U		1 U		1 U	**1.1**	**1.1**
sulfide	mg/L	0.2 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U
Purge Parameters															
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear		Clear	Clear	Clear
conductivity	µmhos/cm	**623**	**676**	**693**	**358**	**458**	**611**	**441**	**467**	**247**	**493**		**443**	**444**	**468**
dissolved oxygen	mg/L	**30.6**	**2.6**	**2.32**	**2.89**	**4.57**	**2.82**	**4.88**	**4.01**	**4.72**	**7.92**		**2.44**	**5.38**	**3.70**
ferrous iron	mg/L	**0.03**	**0.09**	NA	**0.09**	0	0	0	0	0	**0.08**		0	0	**0.43**
flow rate	mL/min	**4800**	**110**	**1350**	**2400**	**350**	NA	NA	NA	NA	NA		NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA
odor	Olfactory	None	None	None	None	None	None	None	None	None	None		None	None	None
ORP	MeV	**170**	**131.7**	**176.2**	**145.5**	**187.4**	**130.1**	**110.4**	**-9.0**	**95.9**	**98.2**		**212.8**	**228.2**	**88.4**
pH	pH unit	**7.52**	**6.65**	**6.73**	**6.38**	**6.53**	**6.71**	**6.96**	**6.26**	**6.12**	**6.77**		**6.74**	**4.85**	**6.75**
temperature	degrees C	**12.88**	**18.08**	**11.90**	**11.26**	**15.29**	**13.19**	**11.13**	**11.17**	**11.7**	**12.02**		**12.01**	**12.15**	**12.42**
turbidity	NTU	**37.0**	**0.0**	**0.0**	**1.0**	**6.1**	**0.25**	**6**	**3.9**	**17**	**4.18**		**3.8**	**10.7**	**5.44**
water level	feet	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA

Highlighted values exceed cleanup standards for contaminants of concern (5 ug/l for primary COCs, 50 ug/l for 1,4-dioxane)

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	ERT-2 4/14/2006 NORM	ERT-2 10/24/2006 NORM	ERT-2 4/17/2007 NORM	ERT-2 12/5/2007 NORM	ERT-2 4/16/2008 NORM	ERT-2 10/23/2008 NORM	ERT-2 5/6/2009 NORM	ERT-2 10/9/2009 NORM	ERT-2 10/18/2010 NORM	ERT-2 6/7/2011 NORM	ERT-2 1/17/2013 NORM
Volatile Organics												
1,1,1-trichloroethane	ug/L	**28 J**	**7.5**	**62**	**25**	**60**	**65**	**39**	**75**	**29**	**43**	**32**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**2.3**	**0.48 J**	**3.2**	**2.4**	**4.2**	**21**	**4.8**	**10**	**5.8**	**15**	**12**
1,1-dichloroethene	ug/L	**8**	**1.7**	**14**	**5**	**14 J**	**49**	**12**	**6.6**	**11**	**36**	**27**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 U	**2.1**	NR	2.2 U	0.5 U	**4.9**	**2.4**	**3.7**	2.2 U	**2.3**	
2-butanone	ug/L	5 U	5 U	5 U J	5 U	0.5 U	5 U	5 U	**1.9**	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	0.5 U	5 U	5 U	**1.4**	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**9.5**	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	**0.36**	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	**0.6**	0.5 U	**0.51**	0.5 U	0.5 U	0.5 U	**1.6**	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	**1.4 U**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	**2.5**	**1.4**	**3**	**1.9**	**3.3**	**11**	**2.7**	**3.6**	**3**	**8.1**	**6.4**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases												
ethane	ug/L	12 U	12 U			U	1 U	12 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U			U	1 U	17 U	17 U	2 U	2 U	2 U
methane	ug/L	10 U	10 U			**0.472**	2 U	10 U	10 U	2 U	2 U	2 U
Metals												
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**103 J**	**118**	**120**		**160**	**71**	**140**	**120**	**110**	**82**	**83**
iron	mg/L	**0.392**	**0.235**	**0.15**		**0.26**	**0.12**	**0.43**	**0.53**	**1.1**	**0.092**	**0.61**
manganese	mg/L	**0.006**	0.005 U	0.005 U		0.0053	0.005 U	0.005U	**0.0061**	0.005U	0.005U	**0.0072**
sodium	mg/L	**13.7**	**16.9**	**14**		**14**	**6.2**	**13**	**14**	**10**	**7.8**	**8.0**
Wet Chemistry												
chloride	mg/L	**38.6**	**24.1**	**11**		**1 U**	**1.9**	**15**	**4.6**	**9.7**	**13**	**15**
nitrate as N	mg/L	**0.44 J**	**5.7**	**3.8**		**2.2**	**0.44**	**0.96**	**0.78**	**0.63**	**0.51**	**0.47**
nitrite as N	mg/L	0.08 U J	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U
sulfate as SO4	mg/L	**45.3**	**193**									
carbon dioxide	mg/L	**228**	**187**									
alkalinity carbonate	mg/L			1 U		**190**	**200**	**220**	**280**	**240**	**200**	**230**
total alkalinity	mg/L	**231**	**194**	**200**		**190**	**200**	**220**	**280**	**240**	**200**	**230**
total organic carbon	mg/L	**0.9**	**1.3**	1 U		1 U	**1**	1 U	1 U	1 U	**1.1**	1 U
sulfide	mg/L	**0.48**	**0.64**	0.01 U		0.01 U	**0.015**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters												
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**483**	**619**	**650**	**822**	**617**	**493**	**634**	**548**	**599**	**429**	**396**
dissolved oxygen	mg/L	**3.98**	**3.13**	**1.58**	**2.38**	**2.65**	**2.06**	**3.2**	**6.32**	**3.15**	**2.94**	**3.64**
ferrous iron	mg/L	**0.12**	**0.06**	**0.19**	NA	**0.01**	**0.17**	**0.18**	**0.13**	**0.03**	**0.02**	**0.20**
flow rate	mL/min	**100**	**100**	**110**	**110**	**100**	**1500**	**300**	**300**	**100**	**250**	**100**
gallons purged	gal	**0.87**	**1.25**	**3.5**	**3.25**	**5**	**28**	**9.75**	**<4.25**	**2.25**	**3.25**	**1.25**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**201.2**	**34.6**	**88.4**	**157.4**	**50.3**	**96**	**-14.7**	**82**	**242.2**	**177.1**	**54.1**
pH	pH unit	**6.66**	**7.43**	**6.54**	**6.87**	**6.74**	**6.77**	**6.44**	**6.83**	**6.70**	**5.74**	**7.01**
temperature	degrees C	**11.97**	**11.24**	**9.39**	**10.93**	**17.62**	**11.93**	**11.52**	**12.25**	**12.92**	**14.71**	**8.47**
turbidity	NTU	**5.3**	**4.1**	**2.9**	**1.9**	**80**	**1.3**	**7.2**	**2.81**	**12.0**	**15.7**	**4.1**
water level	feet	**47.23**	**38.24**	**41.15**	**72.21**	**24.04**	**91.23**	**63.91**	**31**	**123.19**	**95.81**	**94.58**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	ERT-3 4/14/2006 NORM	ERT-3 10/26/2006 NORM	ERT-3 4/19/2007 NORM	ERT-3 12/19/2007 NORM	ERT-3 4/16/2008 NORM	ERT-3 7/31/2008 NORM	ERT-3 10/21/2008 NORM	ERT-3 5/11/2009 NORM	ERT-3 10/12/2009 NORM	ERT-3 10/18/2010 NORM	ERT-3 6/9/2011 NORM	ERT-3 1/17/2013 NORM
Volatile Organics													
1,1,1-trichloroethane	ug/L	**170 J**	**110 J**	**140**	**210**	**250**	**210**	**190**	**190**	**73**	**100**	**91**	**87**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.26 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**9.7**	**9.5**	**10**	**18**	**13**	**14**	**18**	**16**	**6.3**	**16**	**16**	**15**
1,1-dichloroethene	ug/L	**23 J**	**18**	**24**	**32**	**37**	**26 J**	**31**	**26**	**6.3**	**23**	**29**	**22**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	**0.24 J**	0.5 U	0.5 U	0.5 U	**0.36 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**49 J**	**65 J**	NR	**7.6**	**31**	**32**	**23**	**35**	**13**	**8.1**	**4.9 L**	
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 U	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	**0.24 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	**0.64**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.77**	0.5 U	**0.65**
chloroform	ug/L	0.5 U	**0.16 J**	0.5 U	0.5 U	**0.28 J**	**0.25 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**2.2 J**	**1.7 J**	**1.7**	**1.9 J**	**2.1 J**	**1.6 J**	**2.6**	**2.8**	0.5 U	**2.1**	**1.6**	**2.5**
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	**0.17 J**	**0.26 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.7**	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.12 J**	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**35**	**30**	**28**	**39**	**40**	**29**	**48**	**37**	**20**	**20**	**21**	**34**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases													
ethane	ug/L	12 U	12 U			U	U	U	12 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U			U	U	1 U	17 U	17 U	2 U	2 U	2 U
methane	ug/L	**50.4**	10 U			**0.664**	**0.808**	2 U	10 U	10 U	2 U	2 U	**8.15**
Metals													
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**115 J**	**109**	**110**		**130**	**120**	**99**	**110**	**110**	**110**	**110**	**110**
iron	mg/L	**0.227**	**0.099**	**0.091**		**0.098**	**0.13**	**0.18**	**0.08**	**0.098**	**0.110**	**0.110**	**0.23**
manganese	mg/L	**0.023**	0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.004**
sodium	mg/L	**13.6**	**14.3**	**15**		**13**	**12**	**12**	**14**	**14**	**12**	**12**	**13**
Wet Chemistry													
chloride	mg/L	**25.7**	**26.2**	**19**		**1.4**	**3.8**	**1 U**	**12**	**2 U**	**17**	**12**	**14**
nitrate as N	mg/L	0.27 U J	**1.5**	**1.5**		**0.8**	**0.72**	**0.57**	**0.57**	**0.63**	**0.32**	**0.38**	**0.29**
nitrite as N	mg/L	0.08 U J	0.08 U	0.05 U		0.05 U	0.05 U	**0.05 U**	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U
sulfate as SO4	mg/L	**41.1**	**76.9**										
carbon dioxide	mg/L	**262**	**268**										
alkalinity carbonate	mg/L			1 U		**200**	**260**	**270**	**320**	**300**	**280**	**250**	**290**
total alkalinity	mg/L	**277**	**276**	**260**		**200**	**260**	**270**	**320**	**300**	**280**	**250**	**290**
total organic carbon	mg/L	**1.2**	**1.2**	1 U		1 U	**1.6**	**1.1**	**1.2**	1 U	1 U	**1.2**	**1.2**
sulfide	mg/L	**0.64**	0.2 U	0.01 U		0.01 U	0.01 U	0.01U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters													
color	Visual	Clear	Clear	Clear		Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**515**	**574**	**626**		**578**	**575**	**682**	**569**	**541**	**621**	**582**	**0.539**
dissolved oxygen	mg/L	**1.86**	**4.16**	**2.13**		**3.82**	**2.98**	**3.82**	**3.82**	**11.87**	**1.09**	**1.38**	**2.16**
ferrous iron	mg/L	**0.11**	**0.01**	**0.23**		0.04	0.04	**0.15**	**0.11**	**0.03**	**0.28**	0	0.07
flow rate	mL/min	**100**	**100**	**100**		**100**	**150**	**100**	**100**	**250**	**100**	**250**	**100**
gallons purged	gal	**1.32**	**1**	**5.5**		**4**	**5.1**	**7.9**	**2.25**	**3.75**	**2.75**	**3**	**>1.25**
odor	Olfactory	None	None	None		None	None	None	None	None	None	None	None
ORP	MeV	**199.3**	**165.8**	**53.2**		**87.6**	**61.8**	**71.4**	**-27.7**	**66.5**	**156.1**	**133.6**	**127.7**
pH	pH unit	**6.73**	**7.40**	**6.70**		**6.84**	**6.84**	**7.18**	**6.55**	**6.77**	**6.77**	**5.8**	**6.97**
temperature	degrees C	**11.90**	**11.48**	**10.68**		**12.93**	**17.83**	**12.65**	**13.86**	**12.68**	**13.52**	**14.29**	**10.29**
turbidity	NTU	**3.5**	**7.1**	**1.5**		**2.7**	**3.4**	**2.7**	**4.7**	**1.71**	**4.4**	**5**	**7.13**
water level	feet	**53.16**	**41.49**	**42.45**		**98.7**	**77.83**	**109.28**	**79.77**	**37.43**	**134.61**	**101.21**	**100.9**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	ERT-4 4/17/2006 NORM	ERT-4 10/26/2006 NORM	ERT-4 4/16/2007 NORM	ERT-4 12/18/2007 NORM	ERT-4 4/17/2008 NORM	ERT-4 7/23/2008 NORM	ERT-4 2/3/2009 NORM	ERT-4 5/13/2009 NORM	ERT-4 7/20/2009 NORM	ERT-4 10/21/2009 NORM	ERT-4 10/21/2010 NORM	ERT-4 6/16/2011 NORM	ERT-4 1/25/2013 NORM
Volatile Organics														
1,1,1-trichloroethane	ug/L	**4700 J**	**3500 J**	**28**	**8400**	**3000**	**880**	**2000**	**2300**	**1000**	**410**	**3500**	**2200**	**840**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	25 U	0.5 U	**1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**8**	25 U	0.5 U	**6.6**	**2.9 U**	**3.9 J**	**4.4**	**3.7**	**1.4**	**4.8**	**5**	**4.6**	**1.2**
1,1-dichloroethane	ug/L	**160 J**	**120**	**1.6**	**110 J**	**85 J**	**27**	**51**	**60**	**24**	**15**	**94**	**54**	**18**
1,1-dichloroethene	ug/L	**350 J**	**270**	**3.7**	**850**	**250**	**61**	**160**	**400**	**130**	**92 J**	**290**	**180**	**68**
1,2,3-trichlorobenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	**6.9**	25 U	0.5 U	0.5 U	**3.2**	0.5 U	**4.3**	**3.9**	0.5 U	**3.5**	0.5 U	**3.1**	**1.1**
1,2-dichloropropane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**5.5 J**	1000 R	NR	**4.7**	**9.3**	**8.8**	**6.2**	**5.6**	2.1 U	**7.5**	**4.8**	**2.9**	
2-butanone	ug/L	5 U	250 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-hexanone	ug/L	5 U	250 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	250 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	250 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	**1.9 L**	0.5 UL
carbon disulfide	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**	**2.6**	0.5 U	**63**	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	**28 J**	**26**	0.5 U	**18**	**15**	**2.7 J**	**5.6**	**9.9**	**1.8**	**2.7**	**7**	**2.5**	**0.67**
chloroform	ug/L	**2.6**	25 U	0.5 U	**2.1**	**1.1**	0.5 U	**1.3**	**1.7**	**0.88**	**0.85**	**1.9**	**1.1**	0.5 U
chloromethane	ug/L	0.5 U	25 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**3.3 J**	25 U	0.5 U	**3.1 J**	**2.5 J**	**0.74 J**	**2.1**	**3.5**	**1.6**	**1.4 J**	**2.7**	**1.8**	**1.4**
cis-1,3-dichloropropene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	**0.09 J**	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	5.1 U	25 U	0.5 U	**2.2**	**1.8**	0.5 U	**1.7**	0.5 U	0.5 U	**1.1**	**1.3**	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	**0.05 J**	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	**0.2 J**	25 U	0.5 U	**0.34 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**170**	**210**	**9.2**	**300**	**96 J**	**59**	**99**	**220**	**71**	**28**	**170**	**120**	**78**
trichlorofluoromethane	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.4**	1 U	0.5 U
Gases														
ethane	ug/L	12 U	12 U			U		2.0 U J	12U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U			U		2.0 U J	17U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	**2.4 J**	10 U			0.282 J		2.0 U J	10U	2 U	10 U	2 U	2 U	2 U
Metals														
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**142 J**	**144**	**46**		**140**	**130**	**130**	**130**	**140**	**120**	**120**	**120**	**130**
iron	mg/L	**1.81**	**1.02**	**3.9**		**2.5**	**7.4**	**3.7**	**1.3**	**3.2**	**2.8**	**4**	**10**	**3.3**
manganese	mg/L	**0.122**	**0.072**	**0.24**		**0.11**	**0.2**	**0.11**	**0.063**	**0.013**	**0.21**	**0.17**	**0.33**	**0.11**
sodium	mg/L	**7.52**	**9.07**	**5.5**		**7.8**	**8.4**	**8.7**	**8.2**	**9.8**	**7.9**	**8.6**	**7.3**	**6.3**
Wet Chemistry														
chloride	mg/L	**16.9**	**20.9**	**8.7**		**1 U**	**12**	**13**	**11**	**21**	**12**	**18**	**10**	**5.5**
nitrate as N	mg/L	**1.18**	**0.9**	0.05 U		**1**	**0.6**	**1.1**	**0.57**	**0.25**	**1.2**	**1.3**	**1.5**	**0.58**
nitrite as N	mg/L	0.08 U	0.08 U	**0.072**		**0.05 U**	**0.1**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.077**	0.05 U
sulfate as SO4	mg/L	**45.1**	**65.8**											
carbon dioxide	mg/L	**298**	**327**											
alkalinity carbonate	mg/L			1 U		**320**	**280**	**280**	**310**	**320**	**310**	**290**	**280**	**340**
total alkalinity	mg/L	**314**	**342**	**100**		**320**	**280**	**280**	**310**	**320**	**310**	**290**	**280**	**340**
total organic carbon	mg/L	**1.8**	**2**	1 U		**1.4**	**1.9**	**1.4**	**2.6**	**4.2**	**1.7**	1 U	**2.6**	**2.1**
sulfide	mg/L	**0.64**	**0.32**	0.01 U		0.071	0.01 U	**0.017**	0.01 U	0.01 U	**0.018**	0.01 U	0.01 U	0.01 U
Purge Parameters														
color	Visual	Clear	Clear	Cloudy	Clear	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Clear	V/Cloudy	Cloudy	Clear
conductivity	µmhos/cm	**570**	**662**	**229**	**752**	**718**	**742**	**563**	**606**	**657**	**535**	**649**	**565**	**525**
dissolved oxygen	mg/L	**3.61**	**4.46**	**6**	**3.89**	**2.65**	**5.44**	**7.71**	**3.66**	**3.95**	**11.71**	**4.06**	**3.46**	**4.64**
ferrous iron	mg/L	**0.56**	**0.29**	**1.27**	NA	**0.01**	**0.04**	**0.02**	**0.04**	**0.1**	**0.28**	**0.09**	**0.18**	**0.33**
flow rate	mL/min	**150**	**100**	**100**	**100**	**100**	**100**	**450**	**180**	**250**	**250**	**100**	**100**	**150**
gallons purged	gal	**1.07**	**1**	**3**	**3.5**	**>5.0**	**3.1**	**9.75**	**7.5**	**8**	**0.5**	**1.5**	**4.25**	**3.0**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**186.8**	**146.8**	**71.1**	**112.3**	**50.3**	**119.1**	**124**	**-32.7**	**34.8**	**18.8**	**117.5**	**93.5**	**92.0**
pH	pH unit	**6.76**	**7.15**	**6.63**	**6.99**	**6.74**	**7.34**	**7.15**	**7.06**	**6.32**	**6.75**	**6.74**	**6.24**	**6.93**
temperature	degrees C	**13.89**	**13.07**	**7.57**	**11.94**	**17.62**	**20.35**	**11.61**	**14.1**	**15.24**	**12.65**	**16.78**	**17.5**	**9.84**
turbidity	NTU	**30.0**	**28.0**	**95.0**	**45.0**	**80.0**	**190.0**	**130.0**	**45.0**	**90.0**	**27.9**	**95.0**	**190.0**	**43.2**
water level	feet	**26.47**	**24.84**	**19.72**	**28.87**	**24.04**	**42.05**	**30.1**	**25.42**	**26.35**	**35.75**	**26.43**	**37.6**	**26.74**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-1B 4/10/2006 NORM	MW-1B 10/18/2006 NORM	MW-1B 4/3/2007 NORM	MW-1B 11/29/2007 NORM	MW-1B 4/14/2008 NORM	MW-1B 7/16/2008 NORM	MW-1B 10/21/2008 NORM	MW-1B 1/27/2009 NORM	MW-1B 5/6/2009 NORM	MW-1B 7/10/2009 NORM	MW-1B 10/9/2009 NORM	MW-1B 10/12/2010 NORM	MW-1B 6/7/2011 NORM	MW-1B 1/24/2013 NORM
Volatile Organics															
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	2 U	NR	2 U	2 U	2U	2.2 U	2.1 U	2 U	2 U	2 U	2.1 U	**1.9 UL**	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**21**	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	**0.99 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Gases															
ethane	ug/L	12 U	12 U			U	U	U	2.0 U	12 U	2 U	12 U	2 U	2 U	2 UL
ethene	ug/L	17 U	17 U			U	U	1 U	2.0 U	17 U	2 U	17 U	2 U	2 U	2 UL
methane	ug/L	10 U	10 U			U	**0.492 J**	**2 U**	2.0 U	10 U	2 U	10 U	**19**	2 U	2 UL
Metals															
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**172**	**151**	**140**		**150**	**150**	**120**	**140**	**140**	**140**	**140**	**120**	**150**	**130**
iron	mg/L	**0.088**	**0.13**	**0.2**		**0.13**	**0.75**	**0.15**	**0.11**	**0.075**	0.050 U	**0.14**	**1.4**	**0.079**	0.050 U
manganese	mg/L	**0.049**	**0.05**	**0.084**		**0.08**	**0.34**	**0.067**	**0.034**	**0.03**	**0.036**	**0.11**	**0.28**	**0.017**	**0.075**
sodium	mg/L	**501**	**14.6**	**14**		**14**	**15**	**13**	**14**	**13**	**15**	**16**	**14**	**14**	**11**
Wet Chemistry															
chloride	mg/L	**23.3**	**26.4**	**16**		**1.4**	**12**		**19**	**7.4**	**18**	**5.6**	**20**	**23**	**12**
nitrate as N	mg/L	**0.45**	**0.49**	**0.37**		**0.38**	**0.38**		**0.45**	**0.033**	**0.33**	**0.27**	**0.23**	**0.3**	**0.14**
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U		0.050 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**89.7**	**69.5**												
carbon dioxide	mg/L	**403**	**414**												
alkalinity carbonate	mg/L			1 U		**370**	**380**		**370**	**350**	**350**	**360**	**330**	**350**	**370**
total alkalinity	mg/L	**373**	**355**	**370**		**370**	**380**		**370**	**350**	**350**	**360**	**330**	**350**	**370**
total organic carbon	mg/L	**1.6**	**2.3**	1 U		1.4	**2.9**		**1.6**	**1.9**	**2.9**	**2**	**1**	**2.5**	**2.4**
sulfide	mg/L	**0.8**	0.2 U	**0.011**		**0.01 U**	**0.01 U**		0.010 U	0.01 U	0.01 U	0.01 U	**0.039**	0.01 U	0.01 U
Purge Parameters															
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Cloudy	Clear	Clear
conductivity	µmhos/cm	**690**	**836**	**816**	**921**	**617**	**770**	**969**	**643**	**606**	**667**	**621**	**560**	**691**	**565**
dissolved oxygen	mg/L	**5.15**	**2.79**	**1.83**	**1.98**	**2.4**	**4.88**	**5.46**	**6.16**	**3.96**	**5.22**	**5.96**	**5.26**	**4.51**	**6.62**
ferrous iron	mg/L	**0.11**	**0.09**	**0.17**	NA	**0.03**	NA	0	**0.54**	**0.08**	**0.26**	**0.04**	**0.28**	**0.08**	**0.15**
flow rate	mL/min	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**400**	**150**	**100**	**100**	**NA**
gallons purged	gal	**0.343**	NA	NA	**7.25**	**3.5**	**2.9**	**0.75**	**2.5**	**0.5**	**0.75**	**0.75**	**7.25**	**14.5**	**15**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**208.4**	**117.2**	**124.8**	**200.1**	**92.6**	**36.2**	**152.6**	**47.9**	**-24.4**	**34.9**	**182.5**	**71.1**	**226.6**	**298.3**
pH	pH unit	**6.43**	**7.07**	**7.10**	**6.37**	**6.27**	**7.13**	**6.85**	**7.26**	**7.19**	**6.14**	**6.65**	**7.41**	**5.75**	**6.25**
temperature	degrees C	**13.71**	**15.03**	**16.60**	**12.20**	**11.60**	**20.10**	**11.79**	**7.15**	**11.54**	**14.12**	**12.5**	**12.03**	**13.84**	**5.84**
turbidity	NTU	**2.7**	**2.0**	**3.56**	**4.2**	**4.4**	NA	**2.6**	**4**	**2.1**	**12**	**7.02**	**80.0**	**4.9**	**8.3**
water level	feet	**59.71**	**70.42**	**70.43**	**63.89**	**71.93**	**88.7**	**81.74**	**64.82**	**61.65**	**63.75**	**46.19**	**88.55**	**72.86**	**NA**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-4 4/17/2006 NORM	MW-4 10/24/2006 NORM	MW-4 4/13/2007 NORM	MW-4 12/17/2007 NORM	MW-4 4/14/2008 NORM	MW-4 5/7/2009 NORM	MW-4 10/20/2010 NORM	MW-4 6/16/2011 NORM	MW-4 1/24/2013 NORM
Volatile Organics										
1,1,1-trichloroethane	ug/L	**1,500 J**	**1,100 J**	**1700**	**1,100**	**770**	**770 K**	**360**	**310**	**400**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**3.6**	**5.6**	**2.9**	**3.9**	**2.1**	**1.9**	**0.9**	**0.81**	**0.87**
1,1-dichloroethane	ug/L	**31 J**	**43**	**34**	**47 J**	**32 J**	**43**	**9.2**	**7.8**	**26**
1,1-dichloroethene	ug/L	**240 J**	**120**	**210**	**160**	**110**	**73**	**33**	**43**	**42**
1,2,3-trichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	**3.8**	**4 J**	**3.5**	0.5 U	**2.6**	0.5 U	0.5 U	**0.97**	**0.95**
1,2-dichloropropane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**5.9**	**4**	NR	**3.3**	**9.6**	**4**	NA	**2.2 UL**	
2-butanone	ug/L	5 U	50 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U
2-hexanone	ug/L	5 U	50 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UL
carbon disulfide	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	**2.4**	**4.3 J**	**3.3**	**3.8**	**1.9**	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	**1**	5 U	**1.1**	**1.5**	**0.89**	**0.74**	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**7 J**	**10 J**	**9.1**	**14 J**	**8.8 J**	**13**	**3.1**	**5.3**	**34**
cis-1,3-dichloropropene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	5 U	**1.4**	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	**0.44 J**	**1.9 J**	**1.3**	**1.8**	**0.65**	0.5 U	0.5 U	0.5 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	**5.3 U**	5 U	**2.1**	**2.1**	**1.4**	**1.6**	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	**0.21 J**	5 U	**0.82**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichloroethene	ug/L	**1,000 J**	**1,100**	**970**	**990**	**660**	**710**	**140**	**190**	**190**
trichlorofluoromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	**0.53**	5 U	**0.98**	**0.48 J**	**0.36 J**	0.5 U	0.5 U	1 U	0.5 U
Gases										
ethane	ug/L	12 U	12 U			U	12 U		2 U	2 U
ethene	ug/L	**15.7 J**	17 U			U	17 U		2 U	2 U
methane	ug/L	**758**	**461**			**38.1**	10 U		2 U	2 U
Metals										
arsenic	mg/L	0.009 U	0.009 U			0.008 U	0.008 U		0.008 U	0.008 U
calcium	mg/L	**214 J**	**215**			**210**	**200**		**130**	**170**
iron	mg/L	**2.46**	**0.09**			**4.6**	**0.79**		**1.7**	**1.5**
manganese	mg/L	**0.251**	**0.151**			**0.11**	**0.067**		**0.5**	**1.5**
sodium	mg/L	**10.8**	**13.8**			**19**	**16**		**27**	**41**
Wet Chemistry										
chloride	mg/L	**30.8**	**64.7**			**2.8**	**8.3**		**24**	**18**
nitrate as N	mg/L	0.1 U	**0.11**			**0.25**	**1.4**		**0.19**	0.05 U
nitrite as N	mg/L	0.08 U	0.08 U			**0.071**	0.05 U		0.05 U	0.05 U
sulfate as SO4	mg/L	**37.2**	**50.2**							
carbon dioxide	mg/L	**461**	**520**							
alkalinity carbonate	mg/L					**510**	**470**		**260**	**460**
total alkalinity	mg/L	**461**	**509**			**510**	**470**		**260**	**460**
total organic carbon	mg/L	**2**	**1.9**			**1.2**	**2.6**		**2.7**	**2.3**
sulfide	mg/L	**0.8**	**0.64**			0.01 U	0.02 U		0.01 U	0.01 U
Purge Parameters										
color	Visual	Clear	Clear	V. Lt Brown	Clear	Clear	Cloudy	Clear	Clear	Clear
conductivity	µmhos/cm	**739**	**968**	**941**	**1099**	**1067**	**792**	**764**	**633**	**696**
dissolved oxygen	mg/L	**2.17**	**0.23**	**4.64**	**0.39**	**0.75**	**2.92**	**2.39**	**3.75**	**3.65**
ferrous iron	mg/L	**0.42**	**0.05**	**3.3**	NA	**1.39**	**0.99**	**0.09**	**0.17**	**0.97**
flow rate	mL/min	**100**	**160**	**100**	**110**	**100**	**200**	**50**	NA	NA
gallons purged	gal	**1.19**	**2.9**	**7.5**	**4**	**4.75**	**0.5**	**>0.5**	**1**	**2**
odor	Olfactory	None	None	None	None	None	None	None	None	None
ORP	MeV	**50.4**	**29.3**	**46.4**	**160.2**	**78.3**	**7.6**	**131.8**	**182.3**	**251.1**
pH	pH unit	**6.68**	**7.10**	**6.48**	**6.57**	**6.38**	**6.19**	**6.91**	**5.96**	**6.79**
temperature	degrees C	**11.84**	**16.10**	**13.00**	**13.46**	**12.89**	**10.83**	**16.89**	**14.8**	**6.66**
turbidity	NTU	**14.9**	**1.3**	**320**	**6.6**	**8.6**	**320**	**75.0**	**26.8**	**56.0**
water level	feet	**7.77**	**11.29**	**14.60**	**9.98**	**8.87**	**6.45**	**9.90**	**11.93**	**NA**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-5B 4/13/2006 NORM	MW-5B 10/25/2006 NORM	MW-5B 4/16/2007 NORM	MW-5B 12/18/2007 NORM	MW-5B 4/17/2008 NORM	MW-5B 7/23/2008 NORM	MW-5B 10/30/2008 NORM	MW-5B 5/13/2009 NORM	MW-5B 10/21/2010 NORM	MW-5B 6/10/2011 NORM	MW-5B 1/24/2013 NORM
Volatile Organics												
1,1,1-trichloroethane	ug/L	**2,500 J**	**880 J**	**2,600**	**4,600**	**6300**	**1600**	**1000**	**5000**	**410**	**580**	**650**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**4**	**2.1 J**	**3.3**	**2.9**	**3.4**	**3.7 J**	**3.4**	**5.3**	**1.1**	**1.1**	**1.0**
1,1-dichloroethane	ug/L	**28 J**	**8.7**	**27**	**15**	**21 J**	**20**	**24**	**40**	**10**	**8.4**	**6.4**
1,1-dichloroethene	ug/L	**280 J**	**110**	**420**	**560**	**770**	**160 J**	**120**	**890**	**54**	**83**	**78**
1,2,3-trichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 UJ	0.5 U
1,2-dibromoethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	**3.7**	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.6**	**1.1**	**1.0**
1,2-dichloropropane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 U	**3.1**	NR	**4**	**14**	**18**	**9.7**	**10**	**4.5**	2.1 U	
2-butanone	ug/L	5 U	50 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	50 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	50 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
bromomethane	ug/L	0.5 UJ	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	**14**	**2 J**	**9.9**	0.5 U	**10**	0.5 U	0.5 U	**10**	**1.7**	**1.9**	0.5 U
chlorobenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	**2.3**	5 U	**3**	0.5 U	**1.5**	0.5 U	**1.6**	**3.1**	0.5 U	0.5 U	0.5 U
chloroform	ug/L	**2.2 J**	5 U	**2.3**	**1.3**	**2.1**	0.5 U	0.5 U	**3.6**	**0.72**	**0.69**	0.5 U
chloromethane	ug/L	0.5 U	5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**2.9 J**	**1.5 J**	0.5 U	**2.5 J**	**3.4 J**	**0.95 J**	**1.8**	**4.6**	**0.83**	**0.86**	**1.3**
cis-1,3-dichloropropene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	5 U	**2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.8 U	5 U	0.5 U	**0.44 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	**0.1 J**	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U
trichloroethene	ug/L	**230 J**	**87**	**120**	**380**	**140**	**78**	**70**	**240**	**31**	**40**	**73**
trichlorofluoromethane	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Gases												
ethane	ug/L	12 U	12 U			U		1 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U			U		1 U	17 U	2 U	2 U	2 U
methane	ug/L	10 U	10 U			0.422 J		2 U	10 U	2 U	2 U	2 U
Metals												
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**117**	**120**	**110**		**130**	**130**	**130**	**120**	**120**	**110**	**110**
iron	mg/L	0.083 U	0.083 U	0.050 U		0.05 U	**0.17**	0.050 U	**0.43**	0.050 U	0.050 U	0.050 U
manganese	mg/L	0.005 U	0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	**0.0059**	0.005 U	0.005 U	0.005 U
sodium	mg/L	**6.75**	**6.14**	**6.3**		**6.0**	**7.5**	**7.3**	**6.3**	**6**	**5.5**	**5.3**
Wet Chemistry												
chloride	mg/L	**8.78**	**9.11**	**9.2**		**1.4**	**1.9**	**1.9**	**8.4**	**13**	**6.8**	**4.5**
nitrate as N	mg/L	**0.2**	**0.28**	**0.16**		**0.15**	**1.3**	**0.73**	**0.22**	**0.48**	**0.18**	**0.21**
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**45.3**	**48.9**									
carbon dioxide	mg/L	**280**	**287**									
alkalinity carbonate	mg/L			1 U		**290**	**310**	**310**	**280**	**290**	**250**	**280**
total alkalinity	mg/L	**286**	**283**	**270**		**290**	**310**	**310**	**280**	**290**	**250**	**280**
total organic carbon	mg/L	**0.9**	**1.1**	1 U		1 U	**1.5**	**1.1**	**1.8**	1 U	**1.3**	**1.3**
sulfide	mg/L	0.2 U	**0.8**	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters												
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**569**	**522**	**481**	**788**	**617**	**655**	**894**	**500**	**552**	**448**	**413**
dissolved oxygen	mg/L	**6.04**	**7.15**	**2.97**	**2.7**	**3.16**	**5**	**5.29**	**3.49**	**5.04**	**5.03**	**5.79**
ferrous iron	mg/L	**0.00**	**0.03**	**0.16**	NA	**0.01**	**0.08**	**0.04**	NA	**0.04**	**0.04**	**0.06**
flow rate	mL/min	**150**	**100**	**110**	**100**	**100**	**100**	**250**	**150**	**100**	**100**	**100**
gallons purged	gal	**0.277**	NA	**3**	**4.5**	**4.3**	**5.5**	**8**	**2.5**	**1.25**	**2.25**	**2**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**197.1**	**42.8**	**95.0**	**116.8**	**86.0**	**87.9**	**78.2**	**-45.6**	**-12.3**	**160.6**	**179.8**
pH	pH unit	**6.47**	**7.37**	**6.46**	**6.53**	**6.78**	**7.09**	**6.82**	**6.91**	**7.52**	**6.1**	**6.95**
temperature	degrees C	**17.70**	**12.87**	**9.66**	**9.77**	**16.59**	**19.57**	**14.2**	**12.86**	**14.07**	**16.28**	**7.54**
turbidity	NTU	**6.2**	**0.0**	**1.1**	**0.9**	**3.4**	**0.9**	**2.4**	**31**	**0.8**	**2.2**	**2.73**
water level	feet	**24.41**	**23.28**	**19.13**	**24.81**	**22.78**	**31.43**	**24.44**	**23.77**	**25.13**	**27.96**	**24.6**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-5R 10/18/2006 NORM	MW-5R 4/5/2007 NORM	MW-5R 11/30/2007 NORM	MW-5R 4/23/2008 NORM	MW-5R 10/28/2008 NORM	MW-5R 1/28/2009 NORM	MW-5R 5/7/2009 NORM	MW-5R 7/13/2009 NORM	MW-5R 10/12/2009 NORM	MW-5R 6/15/2011 NORM	MW-5R 1/16/2013 NORM
Volatile Organics												
1,1,1-trichloroethane	ug/L	**230 J**	**130**	**350**	**36**	**99**	**110**	**140**	**55**	**210**	**79**	**25**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**0.56 J**	0.5 U	**0.21 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**15 J**	**33**	**55**	**3.4**	**12**	**15**	**6.6**	**4.6**	**7.5**	**11**	**2.4**
1,1-dichloroethene	ug/L	**61 J**	**47**	**36**	**14 J**	**33**	**40**	**35**	**24**	**35**	**30**	**10**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	**0.55**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	NR	NR	2.1 U	**4.7**	**5.4**	**4**	**3**	2 U	**1.5 J**	**2.7**	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
bromomethane	ug/L	0.5 U	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	**1.1**	**1.9 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
trichloroethene	ug/L	**9.2**	**7**	**2.1**	**6**	**9.8**	**11**	**10**	**6.9**	**7.7**	**8.1**	**5.3**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	1 U	1 U
Gases												
ethane	ug/L	12 U			U	1 U	2.0 U	12 U	2 U	12 U	2 U	2 U
ethene	ug/L	17 U			U	1 U	2.0 U	17 U	2 U	17 U	2 U	2 U
methane	ug/L	10 U			U	2 U	2.0 U	10 U	2 U	10 U	2 U	2 U
Metals												
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**99.9**	**89**		**97**	**89**	**87**	**95**	**98**	**99**	**90**	**87**
iron	mg/L	0.083 U	0.050 U		**0.78**	**0.079**	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
manganese	mg/L	0.005 U	0.005 U		**0.012**	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**16.6**	**16**		**20**	**11**	**12**	**21**	**21**	**18**	**12**	**21**
Wet Chemistry												
chloride	mg/L	**53.5**	**35**		**2.4**	**5.6**	**33**	**16**	**56**	**32**	**19**	**40**
nitrate as N	mg/L	**0.93**	**0.73**		**0.85**	**0.59**	**0.63**	**0.71**	**0.82**	**0.44**	**0.61**	**1.0**
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**38.9**										
carbon dioxide	mg/L	**225**										
alkalinity carbonate	mg/L		1 U		**230**	**230**	**230**	**230**	**250**	**230**	**220**	**230**
total alkalinity	mg/L	**225**	**230**		**230**	**230**	**230**	**230**	**250**	**230**	**220**	**230**
total organic carbon	mg/L	**1**	1 U		1 U	1 U	1 U	1 U	**1.6**	1 U	1 U	**1.1**
sulfide	mg/L	0.2 U	0.01 U		0.037	0.01 U	0.010 U	0.01 U	0.01 U	0.01 U	**0.012**	0.01 U
Purge Parameters												
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**589**	**535**	**695**	**540**	**613**	**359**	**513**	**528**	**515**	**428**	**486**
dissolved oxygen	mg/L	**4.01**	**2.21**	**2.17**	**3.03**	**2.17**	**3.77**	**4.78**	**3.72**	**4.2**	**5.79**	**3.40**
ferrous iron	mg/L	**0.05**	**0.08**	NA	0	0	0	**0.02**	**0.49**	**0.53**	0	**0.05**
flow rate	mL/min	**4500**	**220**	**1200**	**1500**	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**128.5**	**124.9**	**172.4**	**156.4**	**135.2**	**147.3**	**-18.3**	**93.6**	**84.1**	**170.9**	**41.2**
pH	pH unit	**7.48**	**6.59**	**6.81**	**6.61**	**6.69**	**7.07**	**6.37**	**5.84**	**6.95**	**4.89**	**6.87**
temperature	degrees C	**12.21**	**13.34**	**12.40**	**11.86**	**13.38**	**7.89**	**11.54**	**13.2**	**15.79**	**12.89**	**11.97**
turbidity	NTU	**0.05**	**1.87**	**0.0**	**21.0**	**0.5**	**3.1**	**2.2**	**1.1**	**3.91**	**1.3**	**2.5**
water level	feet	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-6B 4/13/2006 NORM	MW-6B 10/25/2006 NORM	MW-6B 4/10/2007 NORM	MW-6B 12/3/2007 NORM	MW-6B 1/26/2009 NORM	MW-6B 5/4/2009 NORM	MW-6B 7/9/2009 NORM	MW-6B 10/7/2009 NORM	MW-6B 1/23/2013 NORM
Volatile Organics										
1,1,1-trichloroethane	ug/L	**14**	**11**	**17**	**11**	**7.3**	**8.5**	**6.8**	**3.6**	**7.2**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	**0.28 J**	0.5 U	**0.33 J**	0.5 U	0.5 U	0.5 U	**0.18**	0.5 U
1,1-dichloroethene	ug/L	**2.6**	**1.5**	**3.8**	**1.5**	**1.6**	**1.5**	**1.3**	0.5 U	**2.0**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 U	20 R	NR	2.1 U	2.0 U	2.2 U	2.1 U	2 U	
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U J	0.5 U	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	1 U
Gases										
ethane	ug/L	12 U	12 U			2.0 U	12 U	2 U	12 U	2 U
ethene	ug/L	17 U	17 U			2.0 U	17 U	2 U	17 U	2 U
methane	ug/L	10 U	10 U			2.0 U	10 U	2 U	10 U	2 U
Metals										
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**123**	**113**	**110**		**110**	**110**	**110**	**110**	**100**
iron	mg/L	0.083 U	0.083 U	0.050 U		**0.13**	**0.11**	**0.17**	**0.075**	**0.27**
manganese	mg/L	0.005 U	0.005 U	0.005 U		0.005 U	**0.0056**	0.005 U	0.005 U	**0.014**
sodium	mg/L	**15.8**	**15.5**	**15**		**15**	**14**	**14**	**14**	**13**
Wet Chemistry										
chloride	mg/L	**24.7**	**30.6**	**23**		**31**	**9.3**	**27**	**26**	**21**
nitrate as N	mg/L	**2.06**	**2.07**	**2**		**1.6**	**2**	**2**	**2.9**	**2.1**
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
sulfate as SO4	mg/L	**56.7**	**50.7**							
carbon dioxide	mg/L	**262**	**284**							
alkalinity carbonate	mg/L			1 U		**290**	**280**	**240**	**290**	**290**
total alkalinity	mg/L	**280**	**296**	**290**		**290**	**280**	**240**	**290**	**290**
total organic carbon	mg/L	**0.8**	**1**	1 U		1.0 U	1 U	**1.2**	1 U	**1.0**
sulfide	mg/L	**0.48**	0.2 U	0.01 U		0.010 U	0.01 U	0.02 U	0.01 U	**0.011**
Purge Parameters										
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**594**	**598**	**618**	**824**	**499**	**557**	**617**	**584**	**455**
dissolved oxygen	mg/L	**3.75**	**4.39**	**3.49**	**3.17**	**6.23**	**4.51**	**7.13**	**6.31**	**6.02**
ferrous iron	mg/L	**0.21**	**0.04**	**0.12**	NA	**0.02**	**0.21**	**0.26**	**0.12**	**0.35**
flow rate	mL/min	**100**	**100**	**110**	**100**	**300**	**300**	**100**	**200**	**100**
gallons purged	gal	**1.16**	**0.75**	**3.75**	**3.75**	**5**	**4.5**	**3.5**	**<3.25**	**2.5**
odor	Olfactory	None	None	None	None	None	None	None	None	None
ORP	MeV	**253.2**	**30.6**	**98.3**	**157.4**	**74.3**	**-14.2**	**38.5**	**39.2**	**49.3**
pH	pH unit	**6.57**	**7.55**	**6.77**	**6.86**	**6.47**	**6.9**	**7.04**	**6.85**	**7.14**
temperature	degrees C	**16.03**	**13.17**	**12.65**	**10.50**	**11.47**	**15.58**	**17.79**	**14.95**	**7.51**
turbidity	NTU	**13.5**	**1.3**	**1.04**	**0.0**	**9.7**	**12.0**	**11.0**	**3.1**	**9.5**
water level	feet	**57.12**	**49.39**	**76.63**	**83.44**	**67.04**	**80.9**	**90.84**	**44.05**	**95.93**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-7R 10/18/2006 NORM	MW-7R 4/5/2007 NORM	MW-7R 11/30/2007 NORM	MW-7R 4/23/2008 NORM	MW-7R 7/24/2008 NORM	MW-7R 10/28/2008 NORM	MW-7R 1/28/2009 NORM	MW-7R 5/5/2009 NORM	MW-7R 7/13/2009 NORM	MW-7R 10/14/2009 NORM	MW-7R 10/22/2010 NORM	MW-7R 6/10/2011 NORM	MW-7R 1/16/2013 NORM
Volatile Organics														
1,1,1-trichloroethane	ug/L	**250 J**	**250**	**350**	**330**	**57**	**92**	**70**	**160**	**240 L**	**170**	**67**	**92**	**73**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	**0.25 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**46 J**	**53**	**52**	**25**	**12**	**13**	**14**	**40**	**40 L**	**39**	**18**	**30**	**24**
1,1-dichloroethene	ug/L	**33 J**	**43**	**37**	**82**	**13 J**	**33**	**19**	**30**	**35 L**	**24**	**18**	**23**	**19**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 UJ	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**3.9**	NR	2 U	**3.7**	2.1 U	**4.6**	2.0 U	**2.4**	2 U	2 U	2.2 U	2 U	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
bromomethane	ug/L	0.5 U J	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 UL	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	**0.37 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**1.5 J**	**1.9**	**1.9 J**	**1.2 J**	**0.43 J**	0.5 U	0.5 U	**1.3**	**1.4**	0.5 U	**0.62**	**1.1**	**0.98**
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.69**	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.67 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	**1.6**	**1.9**	**2**	**1.5**	**0.3 J**	**11**	**2.4**	**2**	**2.1**	**2.4**	**1.4**	**2.5**	**2.2**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	**0.54**	0.5 U	0.5 U	0.5U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases														
ethane	ug/L	12 U			U		1 U	2.0 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U			U		1 U	2.0 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	10 U			U		2 U	2.0 U	10 U	2 U	10 U	2 U	2 U	2 U
Metals														
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**91.9**	**85**		**90**	**82**	**89**	**82**	**88**	**92**	**95**	**88**	**89**	**87**
iron	mg/L	0.083 U	0.050 U		0.05 U	0.05 U	0.05 U	**1**	0.05 U	0.05 U	0.05 U	**0.054**	0.050 U	0.050 U
manganese	mg/L	0.005 U	0.005 U		0.005 U	0.005 U	**0.005**	**0.0025**	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**7.78**	**7.7**		**8.0**	**7.3**	**11**	**7.8**	**8.1**	**8.6**	**7.4**	**7.9**	**8.4**	**8.4**
Wet Chemistry														
chloride	mg/L	**21.2**	**13**		**1.4**	**2.3**	**3.7**	**16**	**9.3**	**17**	**12**	**13**	**12**	**15**
nitrate as N	mg/L	**1.24**	**0.77**		**0.53**	**0.29**	**0.6**	**0.4**	**0.38**	**0.41**	**0.27**	**0.33**	**0.37**	**0.36**
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**51**												
carbon dioxide	mg/L													
alkalinity carbonate	mg/L	**231**	1 U		**240**	**240**	**230**	**240**	**240**	**260**	**290**	**250**	**230**	**250**
total alkalinity	mg/L	**231**	**240**		**240**	**240**	**230**	**240**	**240**	**260**	**290**	**250**	**230**	**250**
total organic carbon	mg/L	**1**	1 U		1 U	1 U	**1**	1.0 U	1.0 U	**1.7**	1 U	1 U	**1**	1 U
sulfide	mg/L	0.2 U	0.01 U		0.01 U	0.01 U	**0.01 U**	0.010 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters														
color	Visual	Clear	Clear	Clear	Clear	Cloudy	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**545**	**553**	**691**	**463**	**427**	**788**	**387**	**423**	**441**	**460**	**435**	**428**	**468**
dissolved oxygen	mg/L	**3.15**	**3.41**	**2.85**	**3.08**	**3.02**	**2.7**	**3.88**	**3.23**	**3.62**	**-0.15**	**3.05**	**4.79**	**2.58**
ferrous iron	mg/L	**0.04**	**0.1**	NA	0	0	**0.04**	**0.19**	NA	0	**0.03**	0	0	**0.17**
flow rate	mL/min	**2400**	**220**	**650**	**2100**	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
odor	Olfactory	None	None	None	None	Strong	None	None	None	None	None	None	None	None
ORP	MeV	**155.4**	**127.9**	**181.8**	**148**	**160.8**	**132.1**	**98.8**	**-14.7**	**94.7**	**78.8**	**204**	**184.5**	**-3.3**
pH	pH unit	**7.48**	**6.68**	**6.82**	**6.55**	**6.67**	**6.71**	**6.79**	**6.35**	**5.98**	**7.36**	**7.47**	**4.94**	**6.85**
temperature	degrees C	**12.64**	**16.23**	**12.49**	**11.87**	**14.23**	**13.36**	**10.67**	**11.07**	**11.52**	**12.1**	**11.45**	**13.22**	**12.19**
turbidity	NTU	**2.1**	**0.0**	**0.0**	**1.8**	**26.0**	**0.3**	**55**	**1.8**	**9**	**17.8**	**16.0**	**3.9**	**6.1**
water level	feet	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-8B 4/12/2006 NORM	MW-8B 10/20/2006 NORM	MW-8B 4/4/2007 NORM	MW-8B 11/28/2007 NORM	MW-8B 4/15/2008 NORM	MW-8B 7/31/2008 NORM	MW-8B 10/20/2008 NORM	MW-8B 1/26/2009 NORM	MW-8B 4/29/2009 NORM	MW-8B 7/8/2009 NORM	MW-8B 10/7/2009 NORM	MW-8B 10/12/2010 NORM	MW-8B 6/2/2011 NORM	MW-8B 1/16/2013 NORM
Volatile Organics															
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	**0.22 J**	0.5 U	**0.37 J**	**0.29 J**	**0.25 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.55**	**1.7**	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	**0.22 J**	**0.26 J**	**0.5 U**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.74**	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	2 U	NR	2 U	**3.6**	**2.1 U**	**2.2 U**	2.1 U	2.1 U	2 U	**0.91**	2 U	2 U	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	**6.5**	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 U	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases															
ethane	ug/L	120 U	120 U			**12.3**	U	**11**	**11**	12 U	7.3	12 U	**12**	2 U	**6.71**
ethene	ug/L	170 U	170 U			U	U	1U	2.0 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	**6800**	**5420**			**11700**	**12700**	**27000**	**17000**	10400	14,000	10,200	**5,400**	**86**	**11,200**
Metals															
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	8.0 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	**0.0082**
calcium	mg/L	**47.2**	**52.4**	**42**		**44**	**41**	**37**	**37**	**40**	**42**	**39**	**36**	**39**	**42**
iron	mg/L	**1.4**	**1.12**	**0.96**		**3.7**	**1.3**	**0.68**	**2**	**3.4**	**2.5**	**2.3**	**1.9**	**1.3**	**2.1**
manganese	mg/L	**0.304**	**0.375**	**0.26**		**0.26**	**0.25**	**0.19**	**0.23**	**0.26**	**0.25**	**0.22**	**0.2**	**0.24**	**0.33**
sodium	mg/L	**62.5**	**58.7**	**78**		**75**	**70**	**75**	**70**	**70**	**66**	**70**	**71**	**65**	**57**
Wet Chemistry															
chloride	mg/L	**31.2**	**35**	**31**		**1.9**	**29**	1 U	**29**	**12**	**31**	**7.9**	**29**	**26**	**23**
nitrate as N	mg/L	0.1 U	0.1 U	0.05 U		0.05 U	0.05 U	0.05 U	**0.066**	**0.057**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.050 U	0.050 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**4.69**	**5.9**												
carbon dioxide	mg/L	**219**	**230**												
alkalinity carbonate	mg/L			1 U		**200**	**260**	**270**	**260**	**260**	**260**	**250**	**260**	**240**	
total alkalinity	mg/L	**241**	**254**	**260**		**200**	**260**	**270**	**260**	**260**	**260**	**250**	**260**	**240**	**260**
total organic carbon	mg/L	**0.6**	**0.7**	1 U		1 U	**1.3**	1 U	**1.6**	1 U	**1.5**	1 U	1 U	**1.1**	1 U
sulfide	mg/L	**0.8**	0.2 U	**0.89**		**1.8**	**1.2**	**1.4**	**1.7**	**0.62**	**1.9**	**0.01**	0.01 U	**1.3**	**1.0**
Purge Parameters															
color	Visual	Clear	Clear	Clear	Clear	Clear	Gray	Clear	Gray	Lt. Gray	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**470**	**498**	**466**	NA	**576**	**464**	**591**	**568**	**405**	**438**	**436**	**436**	**442**	**392**
dissolved oxygen	mg/L	**0.99**	**0.71**	**0.34**	**0.91**	**0.55**	**0.62**	**0.18**	**0.27**	**0.3**	**0.23**	**0.41**	**0.34**	**0.18**	**0.88**
ferrous iron	mg/L	**0.64**	**0.53**	**0.33**	NA	NA	**0.17**	**0.08**	**0.09**	NA	**0.88**	**0.03**	**1.09**	**0.18**	**0.72**
flow rate	mL/min	**150**	**100**	**120**	**100**	**100**	**300**	**300**	**200**	**250**	**200**	**150**	**125**	**225**	**100**
gallons purged	gal	**1.19**	NA	**4**	**4.50**	**3.50**	**9.10**	**8.25**	**4.40**	**4.00**	**5.00**	**>2.75**	**1.50**	**4.00**	**>1.00**
odor	Olfactory	Faint Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur
ORP	MeV	**-135.0**	**-188.6**	**-194.7**	**-155.4**	**-226.6**	**-194**	**-271.5**	**-170.3**	**-18**	**-124.1**	**-208**	**-153.9**	**-69.9**	**-139**
pH	pH unit	**7.28**	**7.55**	**8.41**	**7.53**	**7.95**	**7.9**	**8.02**	**7.75**	**7.93**	**6.8**	**7.77**	**7.53**	**6.45**	**7.69**
temperature	degrees C	**14.92**	**11.91**	**9.20**	**10.06**	**12.43**	**14.5**	**12**	**7.58**	**11.85**	**12.04**	**13.62**	**13.79**	**13.05**	**8.59**
turbidity	NTU	**6.47**	**3.2**	**6.69**	**15.9**	**15**	**3.3**	**3.3**	**11**	**11**	**14**	**4.64**	**12.0**	**3.1**	**3.2**
water level	feet	**33.65**	**32.51**	**31.25**	**31.33**	**29.98**	**31.31**	**31.24**	**30.41**	**29.81**	**29.24**	**30.12**	**30.74**	**29.56**	**28.52**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-9 10/16/2006 NORM	MW-9 4/2/2007 NORM	MW-9B 4/11/2006 NORM	MW-9B 10/17/2006 NORM	MW-9B 4/3/2007 NORM	MW-9B 11/26/2007 NORM	MW-9B 4/7/2008 NORM	MW-9B 7/14/2008 NORM	MW-9B 10/17/2008 NORM	MW-9B 1/26/2009 NORM	MW-9B 4/30/2009 NORM	MW-9B 7/7/2009 NORM	MW-9B 10/5/2009 NORM	MW-9B 10/11/2010 NORM	MW-9B 6/3/2011 NORM	MW-9B 1/15/2013 NORM
Volatile Organics																	
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	**0.46 J**	**0.47 J**	**0.7 J**	**0.48 J**	**0.42 J**	**0.74**	**0.59**	**0.73**	**0.67**	**0.69**	0.5 U	**0.7**	**0.72**	**0.52**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	**0.25 J**	**0.25 J**	0.5 U	0.5 U	**0.22 J**	**0.28 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U L	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	20 R	2 U	NR	2.1 U	**2**	**3.4**	2.2 U	2.1 U	**2.4**	2.2 U	2 U	2.2 U	2.1 U	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 UJ	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	1 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	**0.6 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.1**	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	0.5U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases																	
ethane	ug/L	12 U		12 U	12 U			U	U	U	2 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U		17 U	17 U			U	U	1 U	2 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	10 U		**3.3 J**	**10 U**			**1.51**	**4.23**	**4.4**	**3**	10 U	**3.9**	10 U	**6.5 L**	**8.8**	**9.97**
Metals																	
arsenic	mg/L	0.009 U	0.016 U	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	8.0 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**21.7**	**20**	**42.8**	**42.7**	**42**		**44**	**43**	**42**	**41**	**42**	**43**	**44**	**45**	**44**	**45**
iron	mg/L	**0.172**	**0.82**	**9.42**	**4.33**	**7.9**		**9.3**	**7.3**	**6.4**	**0.65**	**1**	**0.66**	**0.94**	**2.3**	**2.5**	**1.6**
manganese	mg/L	**0.095**	**0.09**	**0.51**	**0.444**	**0.49**		**0.54**	**0.49**	**0.5**	**0.42**	**0.43**	**0.38**	**0.43**	**0.46**	**0.46**	**0.47**
sodium	mg/L	**21**	**22**	**14.8**	**14.1**	**15**		**13**	**13**	**13**	0.05 U	**13**	**13**	**13**	**13**	**13**	**13**
Wet Chemistry																	
chloride	mg/L	**0.46**	1 U	**2.44**	**2.72**	**2.5**		**3.7**	**2.3**	1 U	**2.5**	**11**	**2.8**	**5.1**	**3.1**	**3**	**3.2**
nitrate as N	mg/L	**0.12**	**0.059**	0.1 U	0.1 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.10 U	0.05 U
nitrite as N	mg/L	0.08 U	0.05 U	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U L	0.05 U	0.05 U	0.05 U	0.05 U	0.10 U	0.025 U
sulfate as SO4	mg/L	**5.56**		**16.1**	**14**												
carbon dioxide	mg/L	**98.6**		**137**	**144**												
alkalinity carbonate	mg/L		1 U			1 U		**160**	**160**	**160**	**160**	**160**	**170**	**160**	**170**	**150**	**170**
total alkalinity	mg/L	**109**	**110**	**149**	**151**	**150**		**160**	**160**	**160**	**160**	**160**	**170**	**160**	**170**	**150**	**170**
total organic carbon	mg/L	**0.6**	1 U	**0.2**	**0.6**	1 U		1 U	**1.7**	**1.5**	1.0 U	1 U	**1.7**	1 U	1 U	**1.5**	1 U
sulfide	mg/L	**0.32**	0.01 U	0.2 U	**0.48**	**0.032**		0.01 U	0.01 U	0.01 U		0.01 U	0.02 U	0.01 U	0.01 U	**0.018**	0.01 U
Purge Parameters																	
color	Visual	Clear	Clear	Clear	Clear	Cloudy	Clear	Clear	Sl. Cloudy	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**207**	**150**	**245**	**284**	**259**	**360**	**260**	**249**	**347**	**327**	**246**	**254**	**245**	**256**	**264**	**253**
dissolved oxygen	mg/L	**1.10**	**0.98**	**1.51**	**1.30**	**0.58**	**1.01**	**0.6**	**0.58**	**0.46**	**0.93**	**0.67**	**0.64**	**1.46**	**0.83**	**0.82**	**1.34**
ferrous iron	mg/L	**0.25**	**0.05**	**0.18**	**0.43**	**0.97**	NA	**0.67**	**0.64**	**0.55**	0	**0.33**	**0.43**	**0.03**	**0.09**	**0.21**	**0.62**
flow rate	mL/min	**80**	**100**	**200**	**100**	**100**	**100**	**100**	**100**	**200**	**200**	**100**	**200**	**150**	**100**	**100**	**100**
gallons purged	gal	**2.75**	**2**	**1.24**	**2.5**	**5.25**	**2.25**	**3.75**	**4.7**	**8.75**	**2.70**	**2.50**	**2.75**	**2.00**	**1.25**	**1.50**	**>1.00**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**-6.7**	**175.2**	**11.6**	**-6.9**	**-52.0**	**3.7**	**-50.0**	**-75.4**	**-31.6**	**30.5**	**-64.3**	**29.2**	**-7.2**	**85.3**	**214.4**	**17.8**
pH	pH unit	**7.93**	**7.89**	**7.32**	**7.87**	**7.89**	**6.99**	**7.03**	**6.64**	**7.08**	**7.09**	**7.13**	**6.22**	**7.16**	**6.95**	**6.3**	**7.27**
temperature	degrees C	**11.87**	**10.08**	**10.51**	**10.18**	**10.21**	**9.43**	**11.08**	**14.52**	**10.64**	**8.01**	**11.28**	**11.56**	**12.78**	**12.74**	**11.9**	**8.45**
turbidity	NTU	**3.26**	**2.79**	**5.57**	**7.7**	**27.1**	**25.4**	**24.2**	**45**	**22**	**3.7**	**4.7**	**2.9**	**10.58**	**5.4**	**16.4**	**11.5**
water level	feet	**24.53**	**22.04**	**29.70**	**30.05**	**29.53**	**27.56**	**22.87**	**25.75**	**25.26**	**23.82**	**22.62**	**21.66**	**21.13**	**29.00**	**22.24**	**21.83**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-10B 4/13/2006 NORM	MW-10B 10/19/2006 NORM	MW-10B 4/4/2007 NORM	MW-10B 11/28/2007 NORM	MW-10B 4/8/2008 NORM	MW-10B 7/15/2008 NORM	MW-10B 10/17/2008 NORM	MW-10B 1/23/2009 NORM	MW-10B 4/28/2009 NORM	MW-10B 7/7/2009 NORM	MW-10B 10/6/2009 NORM	MW-10B 10/12/2010 NORM	MW-10B 6/1/2011 NORM	MW-10B 1/15/2013 NORM
Volatile Organics															
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 U J	2 U	NR	2.1 U	2 U	2 U	2.1 U	2.1 U	2.2 U	2 U	2 U	2.1 U	2.1 U	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U J	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 U	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases															
ethane	ug/L	12 U	12 U			U	U	1 U	2 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U			U	U	1 U	2 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	**2.6 J**	10 U			U	U	2 U	2 U	10 U	2 U	10 U	2 U	2 U	2 U
Metals															
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	8.0 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**41.7**	**35.4**	**42**		**46**	**37**	**34**	**35**	**41**	**32**	**28**	**30**	**31**	**34**
iron	mg/L	**0.437**	**0.193**	**0.11**		**0.16**	**0.17**	**0.36**	**0.17**	**0.58**	**0.56**	**0.28**	**0.32**	**0.32**	**0.17**
manganese	mg/L	**0.301**	**0.031**	**0.11**		**0.45**	**0.015**	**0.027**	**0.01**	**0.027**	**0.022**	**0.014**	**0.0095**	**0.016**	**0.0085**
sodium	mg/L	**3.22**	**3.38**	**2.9**		**3.2**	**2.9**	**3.2**	**3.1**	**3.2**	**2.9**	**2.7**	**2.8**	**2.9**	**2.8**
Wet Chemistry															
chloride	mg/L	**2.88**	**3.5**	**2**		**1 U**	**13**	**1.9**	**2.6**	**3.7**	**2.4**	**2.8**	**2.6**	**1.5**	**3.0**
nitrate as N	mg/L	0.1 U	**0.19**	0.05 U		0.05 U	**0.073**	**0.096 J**	**0.15**	0.05 U	**0.066**	**0.085**	**0.07**	0.05 U	**0.056**
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U
sulfate as SO4	mg/L	**23.9**	**37.8**												
carbon dioxide	mg/L	**122**	**98.6**												
alkalinity carbonate	mg/L			1 U		**110**	**87**	**75**	**79**	**100**	**79**	**64**	**77**	**68**	**89**
total alkalinity	mg/L	**122**	**77**	**110**		**110**	**87**	**75**	**79**	**100**	**79**	**64**	**77**	**68**	**89**
total organic carbon	mg/L	**0.4**	**0.7**	1 U		1 U	**1.6**	**1.1**	1.0 U	1.0 U	**1.4**	1.0 U	1.0 U	1.0 U	1 U
sulfide	mg/L	0.2 U	**0.32**	0.01 U		0.01 U	0.01 U	0.01 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters															
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**252**	**242**	**214**	NA	**311**	**222**	**265**	**190**	**229**	**169**	**136**	**155**	**194**	**180**
dissolved oxygen	mg/L	**3.88**	**3.61**	**0.72**	**1.02**	**0.72**	**1.14**	**1.38**	**2.03**	**0.43**	**2.68**	**4.58**	**1.75**	**0.7**	**1.26**
ferrous iron	mg/L	**0.18**	**0.12**	**0.09**	NA	**0.05**	**0.1**	**0.05**	**0.04**	**0.09**	**0.06**	**0.06**	**0.04**	0	**0.13**
flow rate	mL/min	**100**	**100**	**120**	**100**	**100**	**100**	**175**	**100**	**100**	**200**	**150**	**75**	**100**	**100**
gallons purged	gal	**0.924**	NA	**2**	**3.50**	**3.75**	**4.35**	**4.25**	**2.3**	**3**	**5.75**	**2.25**	**1**	**1.25**	**>1.25**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**111.0**	**-95.7**	**139.0**	**151.8**	**108.6**	**96.1**	**143.5**	**124.2**	**-49.2**	**48.7**	**105.1**	**163.6**	**167.2**	**76.1**
pH	pH unit	**6.72**	**11.42**	**7.04**	**6.17**	**6.29**	**6.5**	**6.01**	**5.83**	**5.95**	**6.08**	**6.2**	**6.00**	**5.57**	**6.45**
temperature	degrees C	**13.60**	**14.93**	**6.97**	**9.44**	**10.84**	**16.8**	**11.56**	**7.66**	**15.07**	**10.81**	**12.31**	**12.95**	**18.65**	**8.57**
turbidity	NTU	**2.63**	**0.75**	**2.13**	**2.0**	**1.7**	**2.6**	**1.4**	**3.5**	**1.8**	**0.0**	**1.21**	**4.6**	**3.7**	**1.95**
water level	feet	**27.04**	**28.82**	**25.59**	**28.77**	**23.72**	**31.06**	**31.77**	**26.34**	**24.56**	**24.31**	**27.1**	**28.9**	**23.42**	**25.6**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-11 5/8/2009 NORM	MW-11 7/16/2009 NORM	MW-11B 10/23/2006 NORM	MW-11B 4/11/2007 NORM	MW-11B 12/19/2007 NORM	MW-11B 4/9/2008 NORM	MW-11B 1/29/2009 NORM	MW-11B 5/7/2009 NORM	MW-11B 7/15/2009 NORM	MW-11B 10/15/2009 NORM	MW-11B 10/14/2010 NORM	MW-11B 6/8/2011 NORM	MW-11B 1/21/2013 NORM
Volatile Organics														
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	**40 J**	**24**	**19**	**13**	**23**	**15**	**14**	**12**	**16**	**9.5**	**6.2**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	**0.22 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	**7.1**	**5.4**	**8.3**	**5.3**	**11**	**8.5**	**8.4**	**5.8**	**13**	**7.5**	**6.9**
1,1-dichloroethene	ug/L	0.5 U	1 U	**18 J**	**17**	**19 J**	**11 J**	**27**	**19**	**18**	**15**	**23**	**12**	**13**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	**0.22 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	2.2 U	2 U	20 R	NR	2 U	**5.3**	**3.9**	**3.8**	2 U	2 U	**3.8**	2 UL	
2-butanone	ug/L	5 U	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	10 U	5 U	5 U	0.5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	**0.12 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	**0.21 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.1 J**	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.66 U**	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	**6.4**	**3.5**	**3.5**	**2.4**	**5.1**	**3.4**	**2.8**	**2.7**	**4.1**	**2.4**	**2.4**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases														
ethane	ug/L	12 U	2 U	12 U			U	2.0 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	2 U	17 U			U	2.0 U	17 U	2 U	17 U	2 U	2 U	
methane	ug/L	10 U	2.6	10 U			**14.5**	2.0 U	10 U	4.3	10 U	2 U	2 U	2 U
Metals														
arsenic	mg/L	0.008 U	0.008 U	**0.0145**	**0.047**		**0.03**	**18**	**0.036**	**0.016**	**0.013**	**0.018**	**0.0098**	**0.01**
calcium	mg/L	**120**	**110**	**62.8**	**67**		**77**	**82**	**85**	**86**	**83**	**89**	**89**	**90**
iron	mg/L	**1.6**	**2.8**	**5.1**	**21**		**5**	**3.3**	**18.0**	**12.0**	**12.0**	**8.6**	**9.5**	**8.7**
manganese	mg/L	**0.52**	**0.52**	**0.196**	**0.41**		**0.23**	**0.075**	**0.53**	**0.31**	**0.28**	**0.37**	**0.16**	**0.04**
sodium	mg/L	**14.0**	**14.0**	**8.26**	**7.4**		**6.7**	**7**	**6.8**	**6.8**	**7.2**	**6.3**	**7.1**	**7.1**
Wet Chemistry														
chloride	mg/L	**30**	**54**	**22.8**	**11**		**1.9**	**27**	**11**	**29**	**30**	**39**	**31**	**33**
nitrate as N	mg/L	0.05 U	**0.072**	**0.17**	0.05 U		0.05 U	**0.4**	0.1 U	0.1 U	0.05 U	**0.3**	**0.16**	**0.19**
nitrite as N	mg/L	0.05 U	0.05 U	0.08 U	0.05 U		0.05 U	0.05 U	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	**0.052**
sulfate as SO4	mg/L			**21.1**										
carbon dioxide	mg/L			**166**										
alkalinity carbonate	mg/L	**270**	**270**		1 U		**230**	**220**	**240**	**240**	**230**	**230**	**220**	**250**
total alkalinity	mg/L	**270**	**271**	**175**	**200**		**230**	**220**	**240**	**240**	**230**	**230**	**220**	**240**
total organic carbon	mg/L	1.0 U	**1.8**	**1.7**	1 U		1 U	1 U	1 U	**1.4**	1 U	1 U	1 U	1 U
sulfide	mg/L	0.01 U	0.01 U	**0.96**	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.015**
Purge Parameters														
color	Visual	Cloudy	Cloudy	Clear	Brown	Clear	Clear	Orange cloudy	Red Cloudy	Red Cloudy	Rusty Red	Sl Rd Cl	Red Cloudy	Sl. Cloudy
conductivity	µmhos/cm	**675**	**602**	**345**	**414**	**521**	**530**	**377**	**457**	**463**	**418**	**486**	**501**	**419**
dissolved oxygen	mg/L	**0.26**	**3.97**	**1.69**	**0.46**	**0.72**	**0.62**	**0.62**	**0.4**	**0.61**	**2.48**	**1.42**	**0.75**	**2.45**
ferrous iron	mg/L	**1.07**	**1.37**	**2.43**	**3.3**	NA	**0.02**	**0.07**	**3.3**	**3.3**	**2.74**	**0.1**	**0.06**	**3.3**
flow rate	mL/min	**100**	**200**	**100**	**100**	**100**	**100**	**600**	**100**	**150**	**100**	**100**	**150**	**100**
gallons purged	gal	**4.75**	**0.75**	NA	**5.5**	**4.75**	**4.5**	**16.75**	**11.5**	**5.25**	**2.5**	**1.25**	**3**	**>1.5**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**-53.5**	**38.3**	**-101.4**	**-102.5**	**-68.2**	**-88.8**	**66**	**-81.2**	**-50.7**	**-79.3**	**166.2**	**199.5**	**144.6**
pH	pH unit	**6.58**	**6.54**	**7.54**	**6.86**	**6.83**	**6.76**	**6.15**	**6.66**	**6.52**	**7.00**	NA	**5.89**	**7.07**
temperature	degrees C	**14.65**	**13.24**	**11.73**	**11.89**	**9.97**	**12.88**	**10.35**	**13.47**	**16.09**	**10.72**	**12.62**	**15.84**	**7.79**
turbidity	NTU	**55.0**	**650.0**	**36.0**	**148.0**	**28.0**	**11.0**	**37.0**	**140.0**	**60.0**	**56.1**	**60.0**	**79.8**	**54.2**
water level	feet	**21.03**	**16.89**	**14.81**	**31.33**	**30.00**	**42.12**	**26.89**	**31.05**	**46.70**	**9.43**	**77.26**	**51.67**	**49.39**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-11C 10/23/2006 NORM	MW-11C 4/11/2007 NORM	MW-11C 11/30/2007 NORM	MW-11C 4/9/2008 NORM	MW-11C 7/16/2008 NORM	MW-11C 10/22/2008 NORM	MW-11C 1/30/2009 NORM	MW-11C 5/8/2009 NORM	MW-11C 7/15/2009 NORM	MW-11C 10/19/2009 NORM	MW-11C 10/14/2010 NORM	MW-11C 6/9/2011 NORM	MW-11C 1/21/2013 NORM
Volatile Organics														
1,1,1-trichloroethane	ug/L	**16**	**19**	**12**	**6**	**10**	**11**	**13**	**11**	**7.3**	**5.6**	**9.1**	**12**	**5.5**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**3**	**5**	**2**	**1.3**	**1.8**	**2**	**2.6**	**2.2**	**2.1**	**1.5**	**2.3**	**2.2**	**1.3**
1,1-dichloroethene	ug/L	**11**	**18**	**8.2**	**4.4**	**6.1 J**	**9.2**	**12**	**9**	**6.7**	**4**	**8.1**	**10**	**6.5**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	2.1 U	**1.9 J**	**3.2**	2.1 U		2.2 U	2 U	2 U	2.2 U	2 UL	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 U	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	**0.19 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	**2.4**	**3.3**	**1.7**	**1.1**	**1.3**	**1.6**	**2.2**	**1.8**	**1.9**	**1.5**	**2**	**1.5**	**1.2**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases														
ethane	ug/L	12 U			U	U	U	2.0 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U			U	U	1 U	2.0 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	10 U			**1.41**	U	**9.8**	2.0 U	10 U	15	10 U	**6.3**	**11**	**6.96**
Metals														
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**97.3**	**80**		**86**	**83**	**87**	**96**	**95**	**93**	**110**	**97**	**90**	**98**
iron	mg/L	**0.605**	**1.6**		**1.4**	**1.0**	**1**	**1.8**	**1.2**	**1.9**	**1.4**	**1.1**	**0.1**	**0.95**
manganese	mg/L	**0.019**	**0.033**		**0.036**	**0.053**	**0.035**	**0.044**	**0.021**	**35**	**0.031**	**0.054**	**0.0084**	**0.044**
sodium	mg/L	**19.6**	**16**		**18**	**14**	**14**	**12**	**15**	**23**	**22**	**18**	**12**	**12**
Wet Chemistry														
chloride	mg/L	**81.1**	**44**		**15**	**33**	**1.9**	**51**	**18**	**66**	**89**	**62**	**44**	**56**
nitrate as N	mg/L	**0.54**	**0.29**		**0.28**	**0.19**	**0.32**	**0.49**	**0.42**	**0.56**	**0.27**	**0.6**	**0.47**	**0.40**
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**30.6**												
carbon dioxide	mg/L	**216**												
alkalinity carbonate	mg/L		1 U		240	230	**240**	**240**	**240**	**240**	**250**	**250**	**220**	**240**
total alkalinity	mg/L	**220**	**200**		**240**	**230**	**240**	**240**	**240**	**240**	**250**	**250**	**220**	**240**
total organic carbon	mg/L	**0.8**	1 U		1 U	1.8 U	1 U	1.0 U	1 U	**1.4**	1 U	1 U	1 U	1 U
sulfide	mg/L	**0.64**	0.01 U		0.01 U	0.01 U	0.01 U	0.010 U	0.01 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 L
Purge Parameters														
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**569**	**486**	**809**	**621**	**514**	**579**	**420**	**543**	**531**	**646**	**603**	**498**	**487**
dissolved oxygen	mg/L	**2.42**	**2.17**	**1.23**	**0.9**	**0.79**	**1.82**	**2.08**	**0.84**	**0.95**	**2.73**	**1.53**	**0.93**	**1.98**
ferrous iron	mg/L	**0.06**	**0.23**	NA	**0.02**	**0.23**	0	**0.07**	NA	**0.25**	**0.03**	**0.09**	**0.09**	**0.04**
flow rate	mL/min	**100**	**100**	**100**	**100**	**150**	**100**	**150**	**175**	**150**	**200**	**100**	**250**	**100**
gallons purged	gal	**1.5**	**3.25**	**4.25**	**6.75**	**5**	**7.6**	**2.2**	**4**	**3**	**3.25**	**1**	**4.5**	**1.75**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**29.2**	**106.6**	**174.8**	**57.1**	**35.3**	**71**	**59.8**	**-75**	**38.2**	**27.7**	**115.3**	**208.3**	**150.1**
pH	pH unit	**7.30**	**6.51**	**6.71**	**6.63**	**6.95**	**6.95**	**6.72**	**6.37**	**6.16**	**6.78**	NA	**5.51**	**7.01**
temperature	degrees C	**12.01**	**10.80**	**10.27**	**11.9**	**17.15**	**11.98**	**7.7**	**14.19**	**13.68**	**14.09**	**13.82**	**14.26**	**8.42**
turbidity	NTU	**5.1**	**8.11**	**4.7**	**14**	NA	**3.7**	**19**	**16**	**16**	**8.8**	**27.0**	**3.9**	**7.3**
water level	feet	**17.11**	**34.21**	**36.63**	**44.18**	**71.21**	**60.97**	**27.59**	**36.39**	**47.99**	**11.05**	**79.06**	**53.71**	**51.59**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-12B 10/27/2006 NORM	MW-12B 4/10/2007 NORM	MW-12B 11/27/2007 NORM	MW-12B 4/15/2008 NORM	MW-12B 7/17/2008 NORM	MW-12B 10/22/2008 NORM	MW-12B 1/30/2009 NORM	MW-12B 5/11/2009 NORM	MW-12B 7/10/2009 NORM	MW-12B 10/8/2009 NORM	MW-12B 10/20/2010 NORM	MW-12B 6/7/2011 NORM	MW-12B 1/22/2013 NORM
Volatile Organics														
1,1,1-trichloroethane	ug/L	**76 J**	**72**	**26**	**18**	**7**	**9.6**	**3.4**	**21**	**19**	**19**	**16**	**8.6**	**5.3**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**0.48 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**31 J**	**29**	**6.2**	**8.8**	**2.4**	**3.2**	**1.3**	**17**	**16**	**16**	**9.2**	**5.9**	**5.7**
1,1-dichloroethene	ug/L	**47 J**	**56**	**15**	**15J**	**3.4 J**	**6.7**	**3.1**	**29**	**27**	**30**	**14**	**11**	**11**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	**0.45 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**31 J**	NR	2.1 U	**9.8**	2.1 U	2.1 U	2.1 U	**5**	**3.5**	**8.2**	2.2 U	2.1 UL	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**0.044**	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	**0.17 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**0.34 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl tert-butyl ether	ug/L	**0.44 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	**14**	**13**	**4.3**	**5.2**	**1.3**	**1.9**	**1**	**6.3**	**5.9**	**7.3**	**3.5**	**3**	**2.8**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases														
ethane	ug/L	12 U			U	U	U	2.0 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U			U	U	U	2.0 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	10 U			**0.645**	**39.4**	**69**	2.0 U	10 U	2 U	10 U	2 U	2 U	**41.6**
Metals														
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**78.6**	**75**		**81**	**72**	**78**	**82**	**88**	**91**	**82**	**80**	**92**	**84**
iron	mg/L	**0.301**	**0.54**		**0.69**	**0.47**	**0.65**	**1.4**	**0.5**	**0.52**	**1.2**	**1.5**	**0.6**	**0.72**
manganese	mg/L	0.005 U	**0.012**		**0.028**	**0.019**	**0.17**	**0.069**	**0.016**	**0.055**	**0.035**	**0.054**	**0.022**	**0.021**
sodium	mg/L	**7.67**	**7.9**		**8.7**	**9.1**	**11**	**29**	**19**	**19**	**10**	**14**	**35**	**26**
Wet Chemistry														
chloride	mg/L	**21.9**	**15**		**2.3**	**21**	**1.9**	**51**	**28**	**42**	**23**	**33**	**62**	**50**
nitrate as N	mg/L	**0.63**	**0.48**		**1.5**	**0.49**	**0.61**	**0.95**	**0.69**	**0.61**	**0.54**	**0.51**	**1.0**	**1.0**
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**33**												
carbon dioxide	mg/L	**210**												
alkalinity carbonate	mg/L		1 U		**210**	**200**	**210**	**200**	**220**	**230**	**220**	**220**	**190**	**210**
total alkalinity	mg/L	**208**	**210**		**210**	**200**	**210**	**200**	**220**	**230**	**220**	**220**	**190**	**210**
total organic carbon	mg/L	**1**	1 U		1 U	**2**	**1.8**	**1.7**	1 U	**2.1**	1 U	1 U	**1.9**	**1.5**
sulfide	mg/L	**0.8**	0.01 U		**0.014**	**0.013**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.046**	0.01 U
Purge Parameters														
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**424**	**388**	NA	**488**	**386**	**652**	**397**	**481**	**540**	**454**	**476**	**631**	**455**
dissolved oxygen	mg/L	**1.78**	**1.3**	**0.94**	**1.64**	**0.56**	**0.6**	**1.55**	**0.79**	**0.86**	**2.18**	**1.31**	**1.62**	**2.48**
ferrous iron	mg/L	**0.08**	**0.16**	NA	**0.03**	**0.05**	**0.1**	**0.05**	**0.06**	**0.17**	0	0	**0.03**	**0.03**
flow rate	mL/min	**100**	**120**	**150**	**100**	**100**	**350**	**100**	**150**	**150**	**200**	**100**	**100**	**150**
gallons purged	gal	**1.25**	**3**	**3**	**4**	**5.60**	**7.6**	**2.70**	**3.25**	**2.75**	**5.00**	**1.75**	**2.00**	**1.75**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**130.2**	**125.8**	**146.7**	**91.5**	**74.7**	**118.7**	**70.9**	**-36.5**	**43.6**	**44.4**	**216.4**	**163.3**	**155.4**
pH	pH unit	**7.20**	**6.20**	**6.47**	**6.56**	**6.61**	**6.55**	**6.22**	**6.28**	**6.12**	**6.67**	**6.49**	**6.03**	**6.71**
temperature	degrees C	**12.56**	**7.99**	**11.57**	**11.81**	**16.96**	**11.99**	**6.55**	**12.74**	**15**	**16.59**	**13.57**	**17.67**	**8.26**
turbidity	NTU	**7.0**	**6.88**	**15.6**	**7.9**	NA	**9.3**	**11**	**6.8**	**1**	**14.1**	**20.0**	**10.4**	**5.8**
water level	feet	**9.06**	**10.25**	**10.18**	**12.3**	**25.48**	**21.76**	**10.12**	**10.56**	**11.24**	**7.26**	**27.08**	**15.05**	**13.85**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-13B 4/11/2006 NORM	MW-13B 10/25/2006 NORM	MW-13B 4/13/2007 NORM	MW-13B 11/30/2007 NORM	MW-13B 4/17/2008 NORM	MW-13B 10/30/2008 NORM	MW-13B 2/4/2009 NORM	MW-13B 5/1/2009 NORM	MW-13B 7/10/2009 NORM	MW-13B 10/9/2009 NORM	MW-13B 10/14/2010 NORM	MW-13B 6/9/2011 NORM	MW-13B 1/25/2013 NORM
Volatile Organics														
1,1,1-trichloroethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	2 U	NR	2.1 U	2 U	2.1 U	2.2	2.1 U	2 U	2 U	2.1 U	2 UL	
2-butanone	ug/L	5 R	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 R	5 U	5 U J	5 U	5 U	10 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 R	5 U	5 U	5 U	5 U	10 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 R	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	**1.1**	0.5 U	5 U	5 U
benzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 R	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.33**	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 R	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 UL
methylcyclohexane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
methylene chloride	ug/L	**0.93 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	0.5 R	0.5 U	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 R	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Gases														
ethane	ug/L	12 U	12 U			U	1 U	4.0 U J	12U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U			U	1 U	4.0 U J	17U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	**15.3**	**15.6**			**45.1**	**46 J**	**37 J**	**26.3**	**41**	**25.7**	**71**	**65**	**52.8**
Metals														
arsenic	mg/L	**0.0143**	**0.0152**	0.016 U		**0.013**	**0.011**	**0.014**	**0.014**	**0.011**	**0.011**	**0.013**	**0.013**	**0.013**
calcium	mg/L	**37.2**	**37.8**	**35**		**38**	**33**	**34**	**33**	**32**	**33**	**30**	**30**	**27**
iron	mg/L	**1.64**	**1.74**	**1.6**		**1.6**	**1.3**	**1.4**	**1.4**	**1.2**	**1.3**	**1.2**	**1.1**	**1.1**
manganese	mg/L	**0.092**	**0.098**	**0.087**		**0.089**	**0.085**	**0.083**	**0.08**	**71**	**0.08**	**0.078**	**0.072**	**0.067**
sodium	mg/L	**21.5**	**21.3**	**21**		**20**	**20**	**21**	**21**	**21**	**21**	**20**	**21**	**19**
Wet Chemistry														
chloride	mg/L	**18.6**	**20.1**	**16**		**20**	**17**	**18**	**23**	**20**	**20**	**19**	**19**	**18**
nitrate as N	mg/L	**0.1 U**	0.1 U	0.05 U		0.05 U	0.05 U J	0.05 U	0.05 U	0.05 U	**0.074**	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**39.9**	**36.1**											
carbon dioxide	mg/L	**104**	**111**											
alkalinity carbonate	mg/L			1 U		**110**	**110**	**100**	**100**	**110**	**98**	**110**	**89**	**78**
total alkalinity	mg/L	**111**	**115**	**110**		**110**	**110**	**100**	**100**	**110**	**98**	**110**	**89**	**78**
total organic carbon	mg/L	**0.4**	**0.9**	1 U		1 U	1 U	1 U	**3.3**	**1.2**	1 U	1 U	1 U	1 U
sulfide	mg/L	**0.96**	**0.48**	0.01 U		0.01 U	0.01 U	0.01 U L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters														
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**267**	**275**	NA	**398**	**236**	**384**	**248**	**232**	**229**	**231**	**254**	**230**	**236**
dissolved oxygen	mg/L	**3.95**	**0.35**	**0.06**	**0.03**	**0.03**	**0.17**	**0.01**	**0.08**	**0.22**	**0.68**	**0.17**	**0.51**	**0.70**
ferrous iron	mg/L	**1.64**	**1.54**	**1.73**	NA	**1.5**	**0.04**	**1.53**	NA	**1.15**	**1.21**	**1.31**	**1.06**	**1.21**
flow rate	mL/min	NA	NA	**100**	**2700**	**2800**	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9**
odor	Olfactory	None	None	None	None	Present	None	None	None	None	None	None	None	None
ORP	MeV	**-36.9**	**-153.9**	**0.281**	**-61.3**	**-88.5**	**-99.4**	**-37.1**	**-62.5**	**-5.9**	**-93.3**	**8.3**	**49.5**	**-75.1**
pH	pH unit	**7.30**	**7.86**	**6.72**	**6.98**	**6.64**	**6.95**	**7**	**6.06**	**6.02**	**6.98**	NA	**4.93**	**7.22**
temperature	degrees C	**10.63**	**11.09**	**9.89**	**11.00**	**10.74**	**11.04**	**10.64**	**10.81**	**10.81**	**11.33**	**11.41**	**11.36**	**10.65**
turbidity	NTU	**0.83**	**0.0**	**2.1**	**0.0**	**7.1**	**0.8**	**3.7**	**1.1**	**5.3**	**0.43**	**1.5**	**2.9**	**3**
water level	feet	Artesian	Artesian	Artesian	NA	Artesian	Artesian	Artesian	NA	NA	NA	NA	NA	NA

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-14B 4/11/2006 NORM	MW-14B 10/19/2006 NORM	MW-14B 4/6/2007 NORM	MW-14B 11/27/2007 NORM	MW-14B 4/8/2008 NORM	MW-14B 7/15/2008 NORM	MW-14B 10/21/2008 NORM	MW-14B 1/27/2009 NORM	MW-14B 4/29/2009 NORM	MW-14B 7/8/2009 NORM	MW-14B 10/6/2009 NORM	MW-14B 10/13/2010 NORM	MW-14B 4/26/2011 NORM	MW-14B 6/2/2011 NORM	MW-14B 1/22/2013 NORM
Volatile Organics																
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**0.67**	**0.72**	**0.82**	**0.76**	**0.74**	**2**	**2.2**	**1.5**	**1.3**	**1.2**	**1.3**	**3.1**	**2.5**	0.5 U	**1.9**
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	**0.3 J**	**0.24 J**	0.5 U J	**0.88**	**0.58**	0.5 U	0.5 U	0.5 U	**2.2**	**1.4**	0.5 U	**1.9**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	2 U	NR	2.1 U	**1.6 J**	**3.9**	2.1 U	2.1 U	2.1 U	2.1 U	**2.5**	2 U	2.2 U	2 UL	
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 U	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 UL	1 UJ	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	**0.54 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	**0.68**	0.5 U	0.5 U	1 U
Gases																
ethane	ug/L	12 U	12 U		2.0 U	U	**0.292 J**	U	2 U	12 U	2 U	12 U	2 U	2 U	**13**	2 U
ethene	ug/L	17 U	17 U		2.0 U	U	U	1 U	2 U	17 U	2 U	17 U	2 U	2 U	3 U	2 U
methane	ug/L	**19.8**	**78.6**		2.0 U	**28.5**	**116**	**67**	2 U	**24.7**	**38**	**51.2**	**170**	**260**	**17000**	**136**
Metals																
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**45.3**	**44.9**	**44**		**52**	**51**	**46**	**49**	**55**	**53**	**53**	**55**	**51**	**50**	**54**
iron	mg/L	**2.95**	**2.66**	**2.7**		**4.9**	**7.9**	**5.6**	**4.1**	**8.3**	**5.7**	**4.4**	**5.6**	**5.1**	**6.1**	**8.5**
manganese	mg/L	**0.303**	**0.316**	**0.33**		**0.39**	**0.47**	**0.38**	**0.38**	**0.049**	**0.4**	**0.41**	**0.43**	**0.41**	**0.45**	**0.55**
sodium	mg/L	**20.3**	**18.8**	**19**		**21**	**24**	**22**	**23**	**26**	**26**	**25**	**24**	**24**	**23**	**25**
Wet Chemistry																
chloride	mg/L	**51.7**	**51.8**	**38**	**49**	**10**	**5.1**	**46**	**49**	**68**	**55**	**47**	**48**	2 U	**47**	**45**
nitrate as N	mg/L	0.1 U	0.1 U	0.05 U	0.050 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.11**	0.05 U	0.05 U	**0.27**	0.05 U
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U	0.050 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**19.1**	**17**													
carbon dioxide	mg/L	**108**	**152**													
alkalinity carbonate	mg/L			1 U		**140**	**150**	**150**	**150**	**150**	**160**	**150**	**180**	**150**	**150**	**180**
total alkalinity	mg/L	**115**	**121**	**130**	**150**	**140**	**150**	**150**	**150**	**150**	**160**	**150**	**180**	**150**	**150**	**180**
total organic carbon	mg/L	**0.6**	**0.9**	1 U	**1.1**	1 U	**1.6**	**1.5**	**1.1**	**1**	**3.3**	1 U	1 U	**1.3**	1 U	**1.3**
sulfide	mg/L	**0.96**	**0.32**	0.01 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters																
color	Visual	Clear	Clear	Clear		Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**386**	**380**	**324**		**495**	**442**	**503**	**361**	**396**	**446**	**409**	**440**	**414**	**385**	**364**
dissolved oxygen	mg/L	**1.43**	**0.64**	**0.4**		**0.8**	**0.52**	**0.64**	**0.99**	**0.65**	**0.81**	**1.24**	**0.68**	**0.72**	**0.36**	**1.98**
ferrous iron	mg/L	**2.13**	**2.66**	**2.77**		**2.88**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**1.88**	**3.3**	**3.17**	**3.3**	**3.3**
flow rate	mL/min	**150**	**100**	**100**		**100**	**100**	**100**	**200**	**100**	**150**	**100**	**100**	**100**	**300**	**100**
gallons purged	gal	**1.66**	**4.5**	**7.75**		**3.75**	**3.9**	**5.75**	**2.85**	**4.25**	**3.5**	**>3.50**	**2.25**	**2.25**	**7.5**	**>3.75**
odor	Olfactory	None	None	None		None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**18.6**	**-20.0**	**-2.9**		**-20.5**	**-81**	**-61.8**	**9.2**	**-58.2**	**-22.1**	**-49.7**	**-13.9**	**-72.5**	**20.5**	**-43.1**
pH	pH unit	**6.42**	**6.47**	**6.32**		**6.25**	**6.7**	**6.7**	**6.51**	**6.75**	**6.3**	**6.79**	**NA**	**6.80**	**5.48**	**7.02**
temperature	degrees C	**17.29**	**14.74**	**8.75**		**12.83**	**17.92**	**13.08**	**7.67**	**12.27**	**15.91**	**15.74**	**14.6**	**16.45**	**13.23**	**7.76**
turbidity	NTU	**7.41**	**2.9**	**7.43**		**5.1**	**5.6**	**1.5**	**3.5**	**5.7**	**1.9**	**0.3**	**6**	**5.1**	**7.4**	**10.54**
water level	feet	**12.34**	**15.46**	**10.49**		**8.42**	**9.78**	**8.25**	**6.43**	**6.87**	**9.09**	**6.06**	**5.33**	**4.75**	**5.71**	**5.16**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-15B 10/30/2006 NORM	MW-15B 4/18/2007 NORM	MW-15B 11/29/2007 NORM	MW-15B 4/10/2008 NORM	MW-15B 7/22/2008 NORM	MW-15B 10/24/2008 NORM	MW-15B 2/2/2009 NORM	MW-15B 5/12/2009 NORM	MW-15B 7/14/2009 NORM	MW-15B 10/19/2009 NORM	MW-15B 10/19/2010 NORM	MW-15B 6/6/2011 NORM	MW-15B 1/18/2013 NORM
Volatile Organics														
1,1,1-trichloroethane	ug/L	**180 J**	**200**	**170**	**110**	**200**	**210**	**210**	**200**	**130**	**86**	**150**	**130**	**75**
1,1,2,2-tetrachloroethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**0.44 J**	0.5 U	**0.31 J**	**0.23 J**	**0.33 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**25**	**30**	**25**	**17**	**24**	**25**	**24**	**25**	**24**	**14**	**21**	**21**	**15**
1,1-dichloroethene	ug/L	**38**	**60**	**43**	**35**	**81 J**	**55**	**54**	**50**	**39**	**30**	**49**	**20**	**33**
1,2,3-trichlorobenzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
1,2-dibromoethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	1 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	**0.13 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	40 R	NR	**4**	**8.2**	**9.9**	**3.5**	**4.9**	**5.9**	**3.1**	**1.7 J**	**3.6**	**3.1**	
2-butanone	ug/L	10 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	10 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-methyl-2-pentanone	ug/L	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	10 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 U
carbon disulfide	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	1 U	0.5 U	**0.21 J**	**0.21 J**	**0.26 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	1 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	1 U	0.5 U	**0.24 J**	**0.24 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	1 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	1 U	0.5 U	0.5 U	0.5 U	**0.11 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.38**	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	**3.1**	**3.9**	**3.5**	**2.2**	**3.1**	**2.9**	**2.7**	**2.7**	**3**	**1.8**	**2.1**	**2.4**	**1.8**
trichlorofluoromethane	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases														
ethane	ug/L	12 U			U		1 U	2.0 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U			U		1 U	2.0 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	10 U			U		2 U	2.0 U	10 U	2 U	10 U	2 U	2 U	2 U
Metals														
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**71.7**	**71**		**80**	**74**	**71**	**74**	**76**	**77**	**78**	**74**	**75**	**74**
iron	mg/L	**0.714**	**0.46**		**0.33**	**0.3**	**0.35**	**1.4**	**0.52**	**0.93**	**0.62**	**0.79**	**0.34**	**0.26**
manganese	mg/L	**0.013**	**0.0057**		**0.0052**	**0.005**	**0.0057**	**0.022**	**0.0088**	**0.014**	**0.0093**	**0.091**	**0.0054**	0.005 U
sodium	mg/L	**5.18**	**5.1**		**4.8**	**4.9**	**4.9**	**5**	**5**	**5.1**	**5.1**	**5.1**	**5.2**	**4.9**
Wet Chemistry														
chloride	mg/L	**8.83**	**6.8**		**1.9**	**6.2**	1 U	**7.6**	**20**	**8.4**	**6.7**	**7.9**	**7.3**	**6.0**
nitrate as N	mg/L	**0.18**	**0.13**		**0.18**	**0.14**	**0.15**	**0.16**	**0.21**	**0.21**	**0.85**	**0.16**	**0.17**	**0.15**
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 U
sulfate as SO4	mg/L	**26.3**												
carbon dioxide	mg/L	**214**												
alkalinity carbonate	mg/L		1 U		**220**	**210**	**230**	**210**	**220**	**230**	**220**	**230**	**210**	**230**
total alkalinity	mg/L	**210**	**210**		**220**	**210**	**230**	**210**	**220**	**230**	**220**	**230**	**210**	**230**
total organic carbon	mg/L	**0.9**	1 U		1 U	1 U	**1.4**	1.0 U	1 U	**1.2**	1 U	1 U	1 U	1 U
sulfide	mg/L	**0.8**	0.01 U		0.01 U	0.01 U	**0.016**	**0.016**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters														
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**412**	**385**	**557**	**375**	**351**	**495**	**323**	**363**	**380**	**377**	**389**	**385**	**352**
dissolved oxygen	mg/L	**2.06**	**9.6**	**2.77**	**1.4**	**0.75**	**0.76**	**1.49**	**1.01**	**1.46**	**4.32**	**1.25**	**1.22**	**1.77**
ferrous iron	mg/L	**0.26**	**0.31**	NA	**0.04**	0	**0.08**	**0.62**	**0.03**	0	0	**0.13**	**0.01**	**0.15**
flow rate	mL/min	**100**	**100**	**100**	**100**	**100**	**200**	**100**	**200**	**125**	**150**	**100**	**150**	**100**
gallons purged	gal	**1.0**	**2.75**	**4.25**	**4.75**	**7.7**	**12**	**2.2**	**4**	**3.75**	**2.75**	**1.25**	**1.75**	**<1.50**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**116.2**	**77.3**	**230.1**	**27.2**	**55.3**	**52.3**	**101.5**	**-43.6**	**36.2**	**38.3**	**176.4**	**159.4**	**108.9**
pH	pH unit	**7.47**	**6.62**	**6.79**	**6.69**	**6.99**	**7.01**	**6.61**	**6.51**	**6.56**	**6.91**	**6.71**	**5.86**	**7.07**
temperature	degrees C	**11.94**	**9.57**	**10.29**	**12.56**	**11.81**	**10.05**	**7.43**	**10.53**	**12.15**	**12.49**	**11.96**	**12.17**	**8.03**
turbidity	NTU	**31.0**	**10.0**	**4.6**	**10**	**6.8**	**7.4**	**21.0**	**20.0**	**1.4**	**15.7**	**37.0**	**8.7**	**4.0**
water level	feet	**16.89**	**16.61**	**17.04**	**14.54**	**15.4**	**16.28**	**12.33**	**13.06**	**13.77**	**11.37**	**19.37**	**14.01**	**12.43**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-16 12/5/2007 NORM	MW-16 4/10/2008 NORM	MW-16 7/22/2008 NORM	MW-16 10/23/2008 NORM	MW-16 2/2/2009 NORM	MW-16 5/1/2009 NORM	MW-16 7/13/2009 NORM	MW-16 10/14/2009 NORM	MW-16 10/19/2010 NORM	MW-16 6/3/2011 NORM	MW-16 6/3/2011 NORM
Volatile Organics												
1,1,1-trichloroethane	ug/L	**140**	**1.1**	**96**	**110**	**26**	**2.3**	**1.4**	**130**	**69**	**1.7**	**5.6**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**0.41 J**	**0.5 U**	**0.37 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**11**	0.5 U	**9.4**	**11**	**2.4**	0.5 U	0.5 U	**13**	**8.3**	0.5 U	0.5 U
1,1-dichloroethene	ug/L	**53**	**0.54**	**71 J**	**54**	**13**	**1.3**	0.5 U	**56**	**41**	**0.94**	**4.1**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	**0.34 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**5.1**	2 U	**12**	**4.9**	2 U	2.1U	2.1 U	2 U	**3.6**	2.1 UL	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	6 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	**0.12 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	**0.16 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	**0.11 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UL	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 UJ
trichloroethene	ug/L	**8.8**	0.5 U	**7.9**	**8.4**	**1.9**	0.5 U	0.5 U	**7.4**	**5.9**	0.5 U	**0.65**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases												
ethane	ug/L		U		U	2 U	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L		U		U	2 U	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L		**1.54**		2 U	2 U	10 U	2 U	10 U	2 U	2 U	2 U
Metals												
arsenic	mg/L		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	**0.011 J**	0.008 U	0.008 U	0.008 U
calcium	mg/L		**22**	**42**	**43**	**33**	**24**	**28**	**45**	**38**	**25**	**29**
iron	mg/L		**0.06**	**0.2**	0.075	**0.61**	**0.1**	**0.19**	**0.13**	**0.51**	**0.093**	**0.30**
manganese	mg/L		**0.005 U**	**0.005 U**	0.005 U	**0.012**	0.005 U	0.005 U	0.005 U	**0.0092**	**0.0066**	**0.0087**
sodium	mg/L		**1.60**	**3.00**	**3.0**	**2.5**	**1.9**	**2.1**	**3.3**	**2.7**	**1.9**	**2.1**
Wet Chemistry												
chloride	mg/L		**1.9**	**3.3**	**2.8**	**2**	**7.4**	**1.6**	**5.3**	**3.5**	**1.6**	**1.8**
nitrate as N	mg/L		**0.14**	**0.22**	**0.051**	**0.27**	**0.25**	**0.25**	**0.37**	**0.24**	**0.77**	**0.76**
nitrite as N	mg/L		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.78**	0.025 U
sulfate as SO4	mg/L											
carbon dioxide	mg/L											
alkalinity carbonate	mg/L		**57**	**110**	**120**	**89**	**62**	**78**	**120**	**110**	**59**	**83**
total alkalinity	mg/L		**57**	**110**	**120**	**89**	**62**	**78**	**120**	**110**	**59**	**83**
total organic carbon	mg/L		1 U	**1.2**	**1.1**	**1.3**	**1.2**	**2**	1 U	1 U	**1.6**	**1.2**
sulfide	mg/L		0.01 U	0.01 U	0.01 U	**0.014**	0.01 U	0.02 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters												
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Cloudy	Cloudy	Clear
conductivity	µmhos/cm	**312**	**104**	**249**	**292**	**151**	**131**	**146**	**210**	**202**	**126**	**151**
dissolved oxygen	mg/L	**1.85**	**4.39**	**2.58**	**2.01**	**3.81**	**2.76**	**3.48**	**4.33**	**2.31**	**3.34**	**4.54**
ferrous iron	mg/L	NA	**0.02**	**0.19**	**0.13**	**0.13**	**0.09**	**0.15**	**0.05**	**0.17**	**0.02**	**0.32**
flow rate	mL/min	**100**	**100**	**100**	**250**	**100**	**250**	**100**	**150**	**100**	**150**	**100**
gallons purged	gal	**4**	**4**	**4.3**	**6.5**	**2.1**	**4.25**	**2.5**	**2.25**	**1.5**	**2.5**	**>3.50**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**150.1**	**162**	**71.4**	**119.3**	**132.5**	**0.5**	**119.2**	**72.2**	**138.2**	**222.8**	**85.5**
pH	pH unit	**6.38**	**5.72**	**6.52**	**6.41**	**5.82**	**5.39**	**5.24**	**6.25**	**6.29**	**4.73**	**6.42**
temperature	degrees C	**10.68**	**11.16**	**15.26**	**12.77**	**9.47**	**11.65**	**13.44**	**11.25**	**13.02**	**13.07**	**8.25**
turbidity	NTU	**2.6**	**4.5**	**5.4**	**1.2**	**11**	**3.5**	**1.4**	**9.9**	**50.0**	**5.2**	**9.2**
water level	feet	**28.55**	**23.22**	**43.15**	**43.75**	**25.06**	**25.01**	**26.47**	**24.08**	**48.91**	**27.86**	**28.26**

Highlighted values exceed cleanup standards for cont

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-17-1 4/18/2006 NORM	MW-17-1 10/17/2006 NORM	MW-17-1 4/20/2007 NORM	MW-17-1 12/4/2007 NORM	MW-17-1 4/22/2008 NORM	MW-17-1 7/30/2008 NORM	MW-17-1 10/29/2008 NORM	MW-17-1 2/4/2009 NORM	MW-17-1 5/5/2009 NORM	MW-17-1 7/17/2009 NORM	MW-17-1 10/21/2009 NORM	MW-17-1 10/26/2010 NORM	MW-17-1 6/16/2011 NORM	MW-17-1 1/30/2013 NORM
Volatile Organics															
1,1,1-trichloroethane	ug/L	**70 J**	**79 J**	**80**	**77**	**74**	**64**	**73**	**62**	**63**	**46**	**34**	**48**	**34**	**25**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	**0.46 J**	0.5 U	0.5 U	0.3 J	**0.29 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**16**	**16**	**16**	**12**	**14**	**14**	**15**	**13**	**14**	**13**	**9.2**	**11**	**9.9**	**6.1**
1,1-dichloroethene	ug/L	**30 J**	**38 J**	**58**	**37**	**38**	**35 J**	**50**	**43**	**44**	**31**	**24 J**	**34**	**27**	**22**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	**0.38 J**	0.5 U	0.5 U	0.5 U	**0.34 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**8.4**	20 R	NR	**4.3**	**11**	**7.6**	**6.6**	**4**	**6**	**3.5**	**4.9**	**2.5**	**2.3**	
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	**0.56**	0.5 U	**0.58**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	**0.21 J**	0.5 U	0.5 U	**0.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**0.77 J**	**0.74 J**	**0.69**	**0.86 J**	**0.79 J**	**0.93 J**	**1.1**	**0.77**	**0.73**	0.5 U	**0.54**	**0.71**	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	**0.34 J**	**0.39 J**	0.5 U	**0.21 J**	0.5 U	**0.15 J**	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
methylene chloride	ug/L	4.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	**0.67**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**7.6**	**7.9**	**8.4**	**6.4**	**7.5**	**6.9**	**6.7**	**7.2**	**7**	**6.4**	**5.4**	**5.2**	**5.1**	**4.4**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Gases															
ethane	ug/L	12 U	12 U			U	U	1 U	2.0 U J	12 U	2 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U			U	U	1 U	2.0 U J	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	**14.7**	10 U			**0.603**	**0.939**	2 U	**3.6 J**	10 U	2 U	10 U	2 U	2 U	2 U
Metals															
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**83.9**	**79.7**	**76**		**81**	**81**	**80**	**80**	**81**	**82**	**82**	**77**	**79**	**76**
iron	mg/L	0.083 U	0.083 U	0.050 U		0.05 U	0.05 U	**0.051**	50 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
manganese	mg/L	0.005 U	0.005 U	0.005 U		0.005 U	0.005 U	**0.005 U**	5.0 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**8.5**	**8.03**	**8.7**		**8.4**	**8.3**	**8.2**	**8.4**	**8.7**	**8.8**	**8.9**	**8.4**	**8.9**	**8.6**
Wet Chemistry															
chloride	mg/L	**24.6**	**21.6**	**19**		**1.9**	**18**	**20**	**21**	**7.4**	**23**	**19**	**21**	**14**	**16**
nitrate as N	mg/L	**1 J**	**0.97**	**0.88**		**0.9**	**0.94**	**0.91**	**0.93**	**0.89**	**0.92**	**1**	**0.87**	**0.9**	**0.86**
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**30.5**	**29.5**												
carbon dioxide	mg/L	**191**	**197**												
alkalinity carbonate	mg/L			1 U		**220**	**210**	**210**	**220**	**210**	**220**	**220**	**220**	**210**	**220**
total alkalinity	mg/L	**195**	**203**	**210**		**220**	**210**	**210**	**220**	**210**	**220**	**220**	**220**	**210**	**220**
total organic carbon	mg/L	**0.8**	**1**	1 U		1 U	1 U	1 U	1 U	1U	**1.4**	1 U	1 U	**1**	1 U
sulfide	mg/L	**0.64**	0.2 U	0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.022**	0.01 U	0.01 U	0.01 U
Purge Parameters															
color	Visual	NA	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**396**	**463**	**427**	**59**	**344**	**356**	**599**	**389**	**383**	**551**	**378**	**409**	**362**	**366**
dissolved oxygen	mg/L	NA	NA	**2.47**	**3.03**	**3.48**	**4.3**	**4.87**	**2.8**	**3.37**	**4.1**	**7.09**	**6.78**	**2.81**	**3.74**
ferrous iron	mg/L	**0.04**	**0.05**	**0.19**	NA	0	NA	**0.35**	**0.05**	**0.04**	0	**0.18**	**0.11**	**0.04**	**0.30**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.19**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**12.9**	NA	**124.8**	**113.9**	**130.3**	**221.9**	**-52.6**	**67.8**	**-19.7**	**66.3**	**-3.2**	**86.2**	**40.6**	**31.7**
pH	pH unit	**6.89**	**7.85**	**6.90**	**5.94**	**5.76**	**5.36**	**6.88**	**7.33**	**6.38**	**5.96**	**6.87**	**6.79**	**6.32**	**7.00**
temperature	degrees C	**11.42**	**11.09**	**11.38**	**10.29**	**10.62**	**11.42**	**10.38**	**10.29**	**10.56**	**10.68**	**10.83**	**11.59**	**11.38**	**10.17**
turbidity	NTU	**1.7**	**0.0**	**0.35**	**0.15**	**0.9**	**1.8**	**0.55**	**2.5**	**1.1**	**5.5**	**0.26**	**0.25**	**1.8**	**2.34**
water level	feet	NA	NA	NA	NA	NA	NA	NA	**6.71**	NA	**7.5**	**7.00**	**17.42**	**10.58**	**8.6**

Highlighted values exceed cleanup standards for contaminants of concern (5 ug/l for primary COCs, 50 ug/l for 1,4-dioxane)

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-17-2 4/18/2006 NORM	MW-17-2 10/17/2006 NORM	MW-17-2 4/20/2007 NORM	MW-17-2 12/4/2007 NORM	MW-17-2 4/22/2008 NORM	MW-17-2 7/30/2008 NORM	MW-17-2 10/29/2008 NORM	MW-17-2 2/4/2009 NORM	MW-17-2 5/5/2009 NORM	MW-17-2 7/17/2009 NORM	MW-17-2 10/21/2009 NORM	MW-17-2 10/26/2010 NORM	MW-17-2 6/16/2011 NORM	MW-17-2 1/30/2013 NORM
Volatile Organics															
1,1,1-trichloroethane	ug/L	**100 J**	**73 J**	**79**	**49**	**73**	**54**	**64**	**60**	**51**	**48**	**36**	**39**	**33**	**24**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	**0.39 J**	0.5 U	0.5 U	**0.29 J**	**0.26 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**15**	**18**	**16**	**15**	**16**	**15**	**17**	**17**	**17**	**16**	**12**	**12**	**12**	**9.5**
1,1-dichloroethene	ug/L	**50 J**	**37 J**	**50**	**26**	**36 J**	**32 J**	**47**	**45**	**35**	**33**	**26 J**	**32**	**30**	**25**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	**0.36 J**	0.5 U	0.5 U	0.5 U	**0.27 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 U	20 R	NR	**4.8**	**14**	**9.6**	**8.7**	**5.6**	**8.7**	**4.2**	**6.8**	**3.3**	**2.6**	
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.45 J**	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	**0.18 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	**0.12 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**1.4 J**	**1.7 J**	**1.7**	**1.4 J**	**1.5 J**	**1.5 J**	**1.7**	**2**	**1.6**	**1.1**	0.5 U	**1.2**	**0.95**	**0.83**
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	**0.24 J**	**0.41 J**	0.5 U	**0.21 J**	**0.26 J**	**0.17 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
methylene chloride	ug/L	**1.9 U**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.19 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**4.5 J**	**5.8**	**5.4**	**5.3**	**5.5**	**4.8**	**5.4**	**5.3**	**5.5**	**5.7**	**4.1**	**4.2**	**4**	**3.7**
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Gases				0.5 U											
ethane	ug/L	12 U	12 U	0.5 U		U	U	1 U	2.0 U J	12 U	3.2	12 U	2 U	2 U	2 U
ethene	ug/L	17 U	17 U	0.5 U		U	U	1 U	2.0 U J	17 U	2 U	17 U	2 U	2 U	2 U
methane	ug/L	**2.5 J**	10 U	0.5 U		U	**14.2**	2 U	**3.6**	10 U	2 U	10 U	**2.2**	2 U	2 U
Metals															
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**84.2**	**80.9**	**74**		**79**	**79**	**77**	**80**	**77**	**78**	**82**	**76**	**77**	**73**
iron	mg/L	**0.916**	**1.37**	**0.74**		**0.51**	**0.36**	**0.25**	**0.15**	**0.32**	**0.1**	**0.12**	**0.21**	**0.077**	**0.36**
manganese	mg/L	**0.011**	0.005 U	**0.0074**		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**7.78**	**7.72**	**7.7**		**7.5**	**7.4**	**7.3**	**7.7**	**7.6**	**7.6**	**7.8**	**7.4**	**7.7**	**7.5**
Wet Chemistry															
chloride	mg/L	**21.8**	**23.2**	**20**		**1.4**	**2.3**	**1.9**	**20**	**20**	**22**	**18**	**21**	**14**	**16**
nitrate as N	mg/L	**0.9 J**	**0.8**	**0.76**		**0.75**	**0.7**	**0.73**	**0.81**	**0.7**	**0.71**	**0.8**	**0.68**	**0.73**	**0.66**
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**31.3**	**28.9**												
carbon dioxide	mg/L	**182**	**201**												
alkalinity carbonate	mg/L			1 U		**210**	**210**	**210**	**210**	**210**	**220**	**220**	**220**	**210**	**210**
total alkalinity	mg/L	**193**	**201**	**210**		**210**	**210**	**210**	**210**	**210**	**220**	**220**	**220**	**210**	**220**
total organic carbon	mg/L	**0.7**	**1**	1 U		1 U	1 U	1 U	1 U	1 U	**2.1**	1 U	1 U	**1.0**	**1.0**
sulfide	mg/L	**0.96**	0.2 U	0.01 U		0.01 U	0.012 U	0.01 U	0.01U	0.01 U	0.01 U	**0.023**	0.01 U	**0.01**	0.01 U
Purge Parameters															
color	Visual	NA	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**396**	**453**	**416**	**581**	**341**	**354**	**585**	**530**	**375**	**402**	**372**	**410**	**356**	**361**
dissolved oxygen	mg/L	NA	NA	**1.45**	**1.81**	**2.3**	**3.67**	**4.04**	**1.82**	**1.46**	**2.04**	**6.87**	**6.91**	**1.72**	**3.71**
ferrous iron	mg/L	**0.2**	**0.28**	**0.37**	NA	**0.02**	NA	**0.59**	0	**0.01**	**0.26**	**0.18**	**0.16**	0	**0.02**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.19**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**59.9**	NA	**130**	**138.2**	**176.6**	**312.7**	**6.3**	**216**	**3.9**	**54.2**	**5.3**	**159.3**	**75.1**	**68.4**
pH	pH unit	**7.70**	**7.65**	**6.94**	**6.14**	**5.86**	**5.21**	**6.86**	**7.36**	**6.41**	**6.58**	**7.03**	**6.94**	**6.1**	**7.01**
temperature	degrees C	**11.82**	**10.93**	**11.26**	**10.28**	**10.69**	**11.41**	**10.36**	**10.06**	**10.6**	**11.14**	**10.93**	**12.36**	**11.38**	**10.12**
turbidity	NTU	**29.0**	**16.9**	**4.5**	**11.0**	**9.9**	**7.8**	**7.6**	**11**	**1.1**	**7**	**5.11**	**13**	**3.8**	**9.67**
water level	feet	NA	NA	NA	NA	NA	NA	NA	**11.83**	NA	**12.25**	**11.92**	**21.46**	**15.5**	**13.7**

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-17-3 4/18/2006 NORM	MW-17-3 10/17/2006 NORM	MW-17-3 4/20/2007 NORM	MW-17-3 12/4/2007 NORM	MW-17-3 4/22/2008 NORM	MW-17-3 7/30/2008 NORM	MW-17-3 10/29/2008 NORM	MW-17-3 2/4/2009 NORM	MW-17-3 5/5/2009 NORM	MW-17-3 7/17/2009 NORM	MW-17-3 10/21/2009 NORM	MW-17-3 10/26/2010 NORM	MW-17-3 6/16/2011 NORM	MW-17-3 1/30/2013 NORM
Volatile Organics															
1,1,1-trichloroethane	ug/L	**63 J**	**65 J**	**73**	**56**	**71**	**51**	**59**	**56**	**50**	**41**	**36**	**37**	**30**	**28**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	**0.29 J**	**0.34 J**	0.5 U	**0.26 J**	**0.26 J**	**0.24 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**16 J**	**19**	**17**	**16**	**18 J**	**16**	**19**	**18**	**19**	**17**	**12**	**13**	**10**	**13**
1,1-dichloroethene	ug/L	**36 J**	**35 J**	**49**	**30**	**36 J**	**28 J**	**47**	**43**	**36**	**32**	**31 J**	**32**	**35**	**30**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	**0.34 J**	0.5 U	0.5 U	0.5 U	**0.26 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 U	20 R	NR	**4.7**	**13**	**7.8 J**	**7.8**	**5.9**	**6.9**	**3.7**	**5.7**	**3.2**	2.2 U	
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	**0.92**	**1.6**	**0.73**	**1**	0.5 U	**0.73**	**1.6**	**0.79**	0.5 U	**1.2**	0.5 U	**0.53**	0.5 U	0.5 U
chloroform	ug/L	**0.16 J**	0.5 U	0.5 U	**0.21 J**	**0.21 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	**0.09 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	**5.7 J**	**5.8 J**	**5.8**	**5.5 J**	**5.6 J**	**6.2 J**	**6.5**	**5**	**6.6**	**5**	0.5 U	**4.9**	**4.1**	**4.4**
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	**0.29 J**	**0.43 J**	0.5 U	**0.26 J**	**0.28 J**	**0.14 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
methylene chloride	ug/L	**1.3 U**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**2.4**	**2.1**	**1.6**	**1.2**	**1.2 U**	**1.6**	**1.1**	**0.83**	**0.88**	**0.88**	**0.61**	**0.63**	**0.53**	**1.1**
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**0.6**	**0.74**	**0.6**	**0.55**	**0.6**	**0.29 J**	0.5 U	**0.86**	0.5 U	**0.78**	**0.35 J**	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Gases															
ethane	ug/L	12 U	12 U			U	U	1 U	2.0 U	12 U	2 U	12 U	2 U	2 U	2 UL
ethene	ug/L	17 U	17 U			U	U	1 U	2.0 U	17 U	2 U	17 U	2 U	2 U	2 UL
methane	ug/L	**42.2**	**20.5**			**46.6**	**4.83**	**56J**	**40 J**	**27.8**	**52**	**30.6**	**64**	**110**	**85.9**
Metals															
arsenic	mg/L	**0.0199**	**0.0092**	**0.016 U J**		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**83**	**78.4**	**74**		**79**	**80**	**76**	**79**	**78**	**78**	**82**	**75**	**77**	**72**
iron	mg/L	**0.884**	**0.503**	**0.45**		**0.42**	**0.34**	**0.38**	**0.49**	**0.87**	**0.36**	**0.54**	**0.97**	**0.43**	**0.34**
manganese	mg/L	**0.013**	0.005 U	**0.0086**		**0.008**	**0.0073**	**0.007**	**0.01**	**0.015**	**7.3**	**0.011**	**0.022**	**0.0095**	**0.0086**
sodium	mg/L	**12.9**	**10.6**	**12**		**11**	**10**	**9.4**	**10**	**10**	**9.8**	**12**	**13**	**12**	**11**
Wet Chemistry															
chloride	mg/L	**22.4**	**23.6**	**19**		**1 U**	**17**	**1.9**	**20**	**5.6**	**22**	**19**	**21**	**14**	**16**
nitrate as N	mg/L	0.1 U	**0.73**	**0.6**		**0.71**	**0.63**	**0.66**	**0.71**	**0.68**	**0.65**	**0.71**	**0.56**	**0.65**	**0.53**
nitrite as N	mg/L	**0.84 J**	0.08 U	**0.095**		**0.05 U**	**0.05 U**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**31.2**	**27.8**												
carbon dioxide	mg/L	**192**	**201**												
alkalinity carbonate	mg/L			1 U		**210**	**210**	**220**	**220**	**210**	**220**	**230**	**220**	**210**	**230**
total alkalinity	mg/L	**199**	**207**	**210**		**210**	**210**	**220**	**220**	**210**	**220**	**230**	**220**	**210**	**230**
total organic carbon	mg/L	**2.8**	**4.1**	1 U		1 U	**1.6**	**2.1**	**1.6**	**2**	**2.8**	**1.7**	1 U	**2.3**	**2.8**
sulfide	mg/L	**0.96**	0.2 U	**0.024**		**0.035**	**0.01**	0.01 U	0.01 U	0.01 U	0.03	**0.018**	0.01 U	0.01 U	0.01 U
Purge Parameters															
color	Visual	NA	Greyish	Clear		Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**393**	**461**	**426**		**475**	**361**	**589**	**385**	**381**	**402**	**373**	**408**	**365**	**366**
dissolved oxygen	mg/L	NA	NA	**0.91**		**3.02**	**2.67**	**4.33**	**0.58**	**1.38**	**1.38**	**7.13**	**6.2**	**1.07**	**2.85**
ferrous iron	mg/L	**0.02**	**0.43**	**0.51**		**0.31**	NA	**0.54**	0	**0.29**	**0.58**	**0.53**	**0.58**	**0.28**	**0.30**
flow rate	mL/min	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.19**
odor	Olfactory	Sulfur	Sulfur	Sulfur		None	None	None	None	None	None	None	None	None	None
ORP	MeV	**13.5**	NA	**1.4**		**56.1**	**156.1**	**-12.8**	**38.8**	**-6.4**	**25.2**	**-21.2**	**82.7**	**69.4**	**-7.2**
pH	pH unit	**6.93**	**7.58**	**6.83**		**5.88**	**4.86**	**6.87**	**7.11**	**6.35**	**6.58**	**7.12**	**6.91**	**6.09**	**7.03**
temperature	degrees C	**11.73**	**10.96**	**11.48**		**10.62**	**11.71**	**10.33**	**10.35**	**10.56**	**10.97**	**10.86**	**12.04**	**11.3**	**10.14**
turbidity	NTU	**5.3**	**0.11**	**1.2**		NA	NA	**3.1**	**9.5**	**2.7**	**6.3**	**5.35**	**1.5**	**2.38**	**2.71**
water level	feet	NA	NA	NA		NA	NA	NA	**11.88**	**NA**	**12.25**	**12**	**21.5**	**15.54**	**13.9**

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-18-1 4/12/2006 NORM	MW-18-1 11/1/2006 NORM	MW-18-1 4/19/2007 NORM	MW-18-1 12/4/2007 NORM	MW-18-1 4/21/2008 NORM	MW-18-1 10/29/2008 NORM	MW-18-1 2/9/2009 NORM	MW-18-1 5/15/2009 NORM	MW-18-1 7/20/2009 NORM	MW-18-1 10/21/2009 NORM	MW-18-1 10/27/2010 NORM	MW-18-1 6/16/2011 NORM
Volatile Organics													
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**0.32 J**	**0.3 J**	0.5 U	**0.32 J**	**0.38 J**	0.5 U	**0.73**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	2 U	NR	2.1 U	**0.73 J**	2.1 U	2.1 U	2.3 U	2 U	2 U	2 U	2.2 U
2-butanone	ug/L	5 U	5 U	5 U J	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U J	5 U J	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 UJ
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	**1.5 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases													
ethane	ug/L	12 U	12 U			U	1 U	10 U J	12 U	2 U	12 U	2 U	2 U
ethene	ug/L	17 U	17 U			U	1 U	10 U J	17 U	2 U	17 U	2 U	2 U
methane	ug/L	**63.9**	**33.1**			**41.5**	**75 J**	**140 J**	**115**	**200**	**135**	**470**	**320**
Metals													
arsenic	mg/L	**0.0198**	**0.0248**	**0.024**	**0.024**	**0.013 J**	**0.011**	0.008 U	**0.022**	**0.026**	**0.023**	**0.012**	**0.021**
calcium	mg/L	**42.7**	**43.7**	**41**	**41**	**45 J**	**43**	**45**	**45**	**45**	**46**	**41**	**42**
iron	mg/L	**0.198**	**0.232**	**0.22**	**0.22**	**0.23 J**	**0.24**	**0.32**	**0.19**	**0.19**	**0.17**	**1.5**	**1.5**
manganese	mg/L	**0.254**	**0.27**	**0.28**	**0.28**	**0.29 J**	**0.27**	**0.22**	**0.23**	**0.24**	**0.23**	**0.22**	**0.22**
sodium	mg/L	**33**	**34**	**33**	**33**	**31 J**	**31**	**32**	**32**	**31**	**31**	**30**	**30**
Wet Chemistry													
chloride	mg/L	**47.2**	**45**	**39**	**39**	**1.9**	**38**	**44**	**70**	**45**	**42**	**45**	**40**
nitrate as N	mg/L	0.1 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.079**	0.05 U	0.077	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**13.4**	**14.5**										
carbon dioxide	mg/L	**134**	**144**										
alkalinity carbonate	mg/L			1 U	1 U	**150**	**150**	**150**	**150**	**160**	**150**	**150**	**140**
total alkalinity	mg/L	**144**	**143**	**150**	**150**	**150**	**150**	**150**	**150**	**160**	**150**	**150**	**140**
total organic carbon	mg/L	**0.6**	**1.5**	1 U	1 U	1 U	1 U	1 U	**1.5**	**2.1**	1 U	**4.3**	**5**
sulfide	mg/L	**0.8**	0.2 U	**0.067**	**0.067**	**0.31**	**0.26**	**0.35**	**0.99**	**0.66**	**1.5**	**0.01**	**1.9**
Purge Parameters													
color	Visual	NA	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**345**	**348**	**356**	**356**	**292**	**506**	**527**	**331**	**338**	**325**	**352**	**327**
dissolved oxygen	mg/L	NA	**1.44**	**1.32**	**1.32**	**1.74**	**1.56**	**0.36**	**0.96**	**0.65**	**3.52**	**8.64**	**0.92**
ferrous iron	mg/L	**0.029**	**0.3**	**0.4**	**0.4**	**0.26**	**0.66**	**0.29**	**0.31**	**0.28**	**0.54**	**1.25**	**0.59**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	**100**	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
odor	Olfactory	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	None
ORP	MeV	**-79.1**	**-33.0**	**-115.7**	**-115.7**	**-68.3**	**-218.6**	**-81**	**-193.6**	**-78.1**	**-165.3**	**-138.5**	**-166.6**
pH	pH unit	**7.49**	**7.72**	**7.44**	**7.44**	**6.77**	**7.35**	**7.68**	**7.01**	**6.83**	**7.61**	**7.4**	**7.06**
temperature	degrees C	**11.23**	**10.85**	**10.77**	**10.77**	**10.44**	**10.03**	**6.81**	**11.17**	**10.88**	**10.84**	**11.68**	**12.61**
turbidity	NTU	**1.46**	**0.0**	**0.25**	**0.25**	**0.45**	**1.4**	**1.1**	**5.2**	**4.6**	**2.21**	**4.8**	**13.08**
water level	feet	NA	NA	NA	NA	NA	NA	NA	Artesian	Artesian	Artesian	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-18-2 4/12/2006 NORM	MW-18-2 11/1/2006 NORM	MW-18-2 4/19/2007 NORM	MW-18-2 12/4/2007 NORM	MW-18-2 4/21/2008 NORM	MW-18-2 10/29/2008 NORM	MW-18-2 2/9/2009 NORM	MW-18-2 5/15/2009 NORM	MW-18-2 7/20/2009 NORM	MW-18-2 10/21/2009 NORM	MW-18-2 10/27/2010 NORM	MW-18-2 6/16/2011 NORM
Volatile Organics													
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**0.19 J**	**0.19 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	2 U	NR	2 U	**0.98 J**	2.2 U	2.1 U	2 U	2.1 U	2 U	2.1 U	2.2 U
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 UJ
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	**0.86 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases													
ethane	ug/L	**7 J**	12 U			**0.601**	**1.5 J**	40 U J	12 U	2 U	12 U	2 U	2 U
ethene	ug/L	17 U	17 U			U	1 U	40 U J	17 U	2 U	17 U	2 U	2 U
methane	ug/L	**138**	**70.6**			**148**	**170 J**	**240**	**173**	**480**	**183**	**560 K**	**470**
Metals													
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**42.6**	**43.8**	**42**		**44**	**42**	**43**	**43**	**44**	**44**	**43**	**44**
iron	mg/L	0.083 U	0.083 U	0.050 U		0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	**0.26**	**0.08**
manganese	mg/L	**0.174**	**0.187**	**0.2**		**0.19**	**0.18**	**0.18**	**0.18**	**0.18**	**0.18**	**0.17**	**0.18**
sodium	mg/L	**35.2**	**33.3**	**35**		**32**	**32**	**33**	**43**	**34**	**34**	**32**	**32**
Wet Chemistry													
chloride	mg/L	**54.2**	**50.7**	**43**		**4.2**	**46**	**47**	**72**	**49**	**48**	**49**	**43**
nitrate as N	mg/L	0.1 U	0.1 U	0.05 U		0.05 U	0.05 U	**0.4**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**15.1**	**12.7**										
carbon dioxide	mg/L	**124**	**149**										
alkalinity carbonate	mg/L			1 U		**150**	**150**	**150**	**140**	**150**	**150**	**150**	**140**
total alkalinity	mg/L	**133**	**143**	**140**		**150**	**150**	**150**	**140**	**150**	**150**	**150**	**140**
total organic carbon	mg/L	**0.5**	**1**	1 U		1 U	1 U	1 U	1 U	**2**	1 U	1 U	**3.6**
sulfide	mg/L	**0.32**	**0.64**	**2.4**		**3.1**	**3.8**	**0.075**	**3.7**	**4.1**	**4.4**	0.01 U	0.01 U
Purge Parameters													
color	Visual	NA	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**353**	**358**	**366**	**523**	**300**	**515**	**536**	**334**	**343**	**330**	**363**	**328**
dissolved oxygen	mg/L	NA	**1.35**	**1.62**	**2.23**	**1.74**	**1.97**	**1.68**	**0.96**	**0.48**	**4.58**	**7.4**	**0.59**
ferrous iron	mg/L	**0.08**	**0.08**	**0.2**	NA	0	**0.37**	**0.23**	**0.08**	**0.44**	**0**	**0.45**	**0.18**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	**100**	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
odor	Olfactory	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	None
ORP	MeV	**-109.3**	**-55.6**	**-129.9**	**-53.8**	**-105.7**	**-261**	**-112.8**	**-211**	**-140.7**	**-198.6**	**-146**	**-149.2**
pH	pH unit	**7.35**	**7.72**	**7.34**	**6.59**	**6.62**	**7.24**	**7.65**	**6.93**	**6.44**	**7.61**	**7.29**	**6.68**
temperature	degrees C	**11.72**	**11.04**	**10.72**	**9.40**	**10.52**	**9.97**	**7.01**	**11.41**	**10.77**	**10.89**	**11.25**	**11.41**
turbidity	NTU	**2.48**	**0.0**	**0.25**	0.0	**0.6**	**0.3**	**1.1**	**2.9**	**4.6**	**1.07**	**5.6**	**11.12**
water level	feet	NA	NA	NA	NA	NA	NA	NA	Artesian	Artesian	Artesian	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-18-3 4/12/2006 NORM	MW-18-3 11/1/2006 NORM	MW-18-3 4/19/2007 NORM	MW-18-3 12/4/2007 NORM	MW-18-3 4/21/2008 NORM	MW-18-3 10/29/2008 NORM	MW18-3 2/9/2009 NORM	MW18-3 5/15/2009 NORM	MW18-3 7/20/2009 NORM	MW18-3 10/21/2009 NORM	MW18-3 10/27/2010 NORM	MW18-3 6/16/2011 NORM
Volatile Organics													
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**0.27 J**	**0.39 J**	0.5 U	**0.3 J**	**0.35 J**	0.5 U	**0.52**	**0.5**	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	2 U	NR	2.1 U	**0.66 J**	2.1 U	2.1 U	2 U	2.1 U	**5.1**	2 U	2.5 U
2-butanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U J	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 UJ
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	**0.81 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Gases													
ethane	ug/L	12 U	12 U			**0.744**	**1.3**	100 U J	12 U	2.1	12 U	2 U	**2.5**
ethene	ug/L	17 U	17 U			U	1 U	100 U J	17 U	2 U	17 U	2 U	2 U
methane	ug/L	**299**	**162**			**348**	**380**	**440 J**	**351**	**770**	**560**	**670**	**1300**
Metals													
arsenic	mg/L	0.009 U	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**42.4**	**43.8**	**42**		**44**	**43**	**43**	**43**	**44**	**43**	**44**	**46**
iron	mg/L	0.083 U	0.083 U	0.050 U		0.05 U	**0.050**	**0.057**	0.05 U	0.05 U	**0.260**	0.05 U	0.05 U
manganese	mg/L	**0.154**	**0.173**	**0.17**		**0.17**	**0.16**	**0.15**	**0.15**	**0.16**	**0.17**	**0.15**	**0.14**
sodium	mg/L	**34.7**	**34**	**34**		**32**	**31**	**31**	**33**	**33**	**32**	**31**	**29**
Wet Chemistry													
chloride	mg/L	**52.8**	**51.9**	**43**		**3.8**	**45**	**46**		**48**	**49**	**48**	**39**
nitrate as N	mg/L	0.1 U	0.1 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**11.2**	**12.8**										
carbon dioxide	mg/L	**127**	**137**										
alkalinity carbonate	mg/L			1 U		**150**	**150**	**150**	**150**	**150**	**150**	**150**	**160**
total alkalinity	mg/L	**135**	**143**	**150**		**150**	**150**	**150**	**150**	**150**	**150**	**150**	**160**
total organic carbon	mg/L	**2**	**2.4**	**2**		**1.4**	**2.4**	**2.1**	**2.5**	**4**	**1 U**	**1 U**	**2.8**
sulfide	mg/L	**0.96**	**0.96**	**2.3**		**3.8**	**4**	**3.2**	**3.7**	**4.1**	**4.1**	**0.011**	**4.5**
Purge Parameters													
color	Visual	NA	Clear	Clear		Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**352**	**359**	**382**		**306**	**514**	**369**	**349**	**352**	**332**	**368**	**335**
dissolved oxygen	mg/L	NA	**1.16**	**0.88**		**1.83**	**2.15**	**1.56**	**0.93**	**0.62**	**5.81**	**4.08**	**0.51**
ferrous iron	mg/L	**0.11**	**0.15**	**0.22**		**0.06**	**0.23**	0	**0.09**	**0.07**	0	**0.06**	0
flow rate	mL/min	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA
odor	Olfactory	Sulfur	Sulfur	Sulfur		Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	None
ORP	MeV	**-116.5**	**-61.0**	**-148.1**		**-122.4**	**-250.5**	**-95.2**	**-212.7**	**-111.3**	**-182**	**-171.9**	**-159.7**
pH	pH unit	**7.29**	**7.76**	**7.46**		**6.79**	**7.44**	**7.92**	**7.21**	**7**	**7.75**	**7.37**	**6.91**
temperature	degrees C	**11.63**	**11.01**	**11.34**		**10.65**	**9.91**	**9.58**	**12.01**	**11.5**	**11.13**	**11.44**	**11.83**
turbidity	NTU	**1.64**	0.0	**0.3**		**0.5**	**0.3**	**1.2**	**3.1**	**4.6**	**1.17**	**0.6**	**8.5**
water level	feet	NA	NA	NA		NA	NA	NA	Artesian	Artesian	Artesian	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-19-1 10/31/2006 NORM	MW-19-1 4/13/2007 NORM	MW-19-1 12/6/2007 NORM	MW-19-1 4/22/2008 NORM	MW-19-1 7/30/2008 NORM	MW-19-1 10/27/2008 NORM	MW-19-1 2/4/2009 NORM	MW-19-1 4/27/2009 NORM	MW-19-1 10/20/2009 NORM	MW-19-1 1/27/2010 NORM	MW-19-1 7/28/2010 NORM	MW-19-1 10/27/2010 NORM	MW-19-1 1/4/2011 NORM	MW-19-1 4/26/2011 NORM	MW-19-1 6/14/2011 NORM	MW-19-1 1/28/2013 NORM
Volatile Organics																	
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	**0.5 J**	**0.44 J**	**0.53**	**0.66**	**1**	**0.98**	**1.3**	**1.3**	**1.2**	**1.6**	**1.2**	**1.1**	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.56**	**0.75**	0.5 U	**0.98**	**0.85**	**0.94**	**1.4**	**0.9**	**0.9**	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 UJ	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	2 U	**1.9 J**	1.9 U	2.1 U	2.1 U	2 U	**3.3**	2.2 U	2.3 U	2.1 U	2.1 U	2.1 U	2.1 U	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U	0.5 UL	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 U	1 U	2 U	0.5 U
methyl tert-butyl ether	ug/L	**0.24 J**	0.5 U	**0.27 J**	**0.26 J**	**0.14 J**	0.5 U	**0.14 J**	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	0.5 U	2 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**0.66**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	**0.52**	0.5 U	0.5 U	0.5 U
Gases																	
ethane	ug/L	12 U			**0.339 J**	U	1 U	10 U J	12 U	12 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
ethene	ug/L	17 U			U	U	1 U	10 U J	17 U	17 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
methane	ug/L	**617**			**213**	**161**	**110**	**91**	**101**	**77.7**	**140**	**100**	**170**	**170**	**160**	**140**	**38.2**
Metals																	
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	**0.013**
calcium	mg/L	**69.6**	**73**		**53**	**62**	**65**	**71**	**62**	**53**	**56**	**52**	**51**	**51**	**64**	**65**	**62**
iron	mg/L	**3.41**	**2.5**		**5.0**	**4.5**	**4.4**	**4.6**	**5.0**	**5.2**	**5.4**	**6.0**	**4.9**	**5.0**	**5.7**	**5.0**	**3.9**
manganese	mg/L	**0.304**	**0.25**		**0.44**	**0.4**	**0.39**	**0.41**	**0.43**	**0.45**	**0.47**	**0.47**	**0.43**	**0.44**	**0.49**	**0.45**	**0.34**
sodium	mg/L	**99.6**	**100**		**27**	**46**	**53**	**61**	**43**	**24**	**29**	**23**	**23**	**23**	**49**	**49**	**58**
Wet Chemistry																	
chloride	mg/L	**180**	**170**		**52**	**6.9 L**	**110**	**120**	**86**	**45**	**49**	**47**	**45**	**45**	2 U	**110**	**88**
nitrate as N	mg/L	**0.33**	**0.45**		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.13**	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**30.3**															
carbon dioxide	mg/L	**238**															
alkalinity carbonate	mg/L		1 U		**160**	**180**	**200**	**210**	**200**	**170**	**170**	**170**	**170**	**180**	**180**	**190**	**240**
total alkalinity	mg/L	**214**	**230**		**160**	**180**	**200**	**210**	**200**	**170**	**170**	**170**	**170**	**180**	**180**	**190**	**240**
total organic carbon	mg/L	**2.6**	1 U		1 U	1 U	**2.2**	**1.4**	**1.6**	**1.0**	**2.5**	**1.2**	1 U	1 U	**1.7**	**1.6**	**1.7**
sulfide	mg/L	**0.32**	0.01 U		0.01 U	**0.041**	**0.021**	0.01 U	0.01 U	**0.038**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters																	
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**863**	**853**	**817**	**361**	**520**	**707**	**639**	**521**	**376**	**398**	**339**	**389**	**390**	**495**	**523**	**522**
dissolved oxygen	mg/L	**1.48**	**0.85**	**2.19**	**0.95**	**2.32**	**2.22**	**0.72**	**1.03**	**4.69**	**1.5**	**0.45**	**5.62**	**0.29**	**0.23**	**0.55**	**1.82**
ferrous iron	mg/L	**3.29**	**2.56**	NA	**2.7**	NA	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	NA	**0.26**
odor	Olfactory	None	Sulfur	Faint Sulfur	None	Sulfur	None	None	None	None	None	Sulfur	None	None	None	None	None
ORP	MeV	**-42.3**	**-39.9**	**-5.6**	**-52.9**	**33.7**	**-27**	**4.2**	**-49.3**	**-75.3**	**-5.9**	**-82.1**	**-41.1**	**-73.1**	**-62.1**	**-38.4**	**-34.5**
pH	pH unit	**8.18**	**6.46**	**5.71**	**6.43**	**3.66**	**6.35**	**6.81**	**6.04**	**7.05**	**6.8**	**6.84**	**6.69**	**6.94**	**6.84**	**6.13**	**7.00**
temperature	degrees C	**12.53**	**10.62**	**11.35**	**11.69**	**12.17**	**11.3**	**10.52**	**12.48**	**11.98**	**10.47**	**12.63**	**12.13**	**11.3**	**11.43**	**11.55**	**10.72**
turbidity	NTU	**6.86**	**5.4**	**4.4**	**3.6**	**5.1**	**1.9**	**4**	**1.8**	**1.62**	**4.63**	**14**	**4**	**1.95**	**2.3**	**4.38**	**4.72**
water level	feet	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.83**	**1.67**	**2.6**	NA	**0.75**	**3.05**	**2.0**

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-19-2 10/31/2006 NORM	MW-19-2 4/13/2007 NORM	MW-19-2 12/6/2007 NORM	MW-19-2 4/22/2008 NORM	MW-19-2 7/30/2008 NORM	MW-19-2 10/27/2008 NORM	MW-19-2 2/4/2009 NORM	MW-19-2 4/27/2009 NORM	MW-19-2 10/20/2009 NORM	MW-19-2 1/27/2010 NORM	MW-19-2 7/28/2010 NORM	MW-19-2 10/27/2010 NORM	MW-19-2 1/4/2011 NORM	MW-19-2 4/26/2011 NORM	MW-19-2 6/14/2011 NORM	MW-19-2 1/28/2013 NORM
Volatile Organics																	
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	**0.57**	**0.82**	**1.1**	**1.5**	**1.6**	**1.1**	**1.4**	**1.3**	**1.3**	**1.7**	**1.6**	**1.7**	**1.0**
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.9**	**1.2**	**1.1**	0.5 U	**1.1**	**0.82**	**0.99**	**1.5**	**1.1**	**1.2**	**1.0**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 UJ	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	2.1 U	**1.5 J**	2 U	2.1 U	2.1 U	2.1 U	**2.6**	2.2 U	2.4 U	2.1 U	2.1 U	2.1 U	2 U	
2-butanone	ug/L	5 U	5 U J	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 U	1 U	2 U	0.5 U
methyl tert-butyl ether	ug/L	**0.32 J**	0.5 U	**0.48 J**	**0.25 J**	**0.22 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	0.5 U	2 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**1.8**	**2.1**	**0.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.51**	0.5 U	0.5 U	0.5 U
Gases																	
ethane	ug/L	120 U			U	U	1 U	1 U	12 U	12 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
ethene	ug/L	170 U			U	U	1 U	1 U	17 U	17 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
methane	ug/L	**2220**			**140**	**158**	**110**	**84**	**66.6**	**65.6**	**110**	**99**	**160**	**170 L**	**160**	**170**	**98.5**
Metals																	
arsenic	mg/L	0.009 U	0.016 U J		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**21.1**	**39**		**51**	**48**	**48**	**52**	**51**	**54**	**53**	**50**	**50**	**51**	**51**	**50**	**47**
iron	mg/L	**1.26**	**3.5**		**4.7**	**4.5**	**4.7**	**4.9**	**5**	**5.1**	**5**	**5**	**4.5**	**4.8**	**5.5**	**4.7**	**4.5**
manganese	mg/L	**0.186**	**0.35**		**0.46**	**0.43**	**0.44**	**0.47**	**0.46**	**0.49**	**0.47**	**0.47**	**0.43**	**0.45**	**0.49**	**0.43**	**0.44**
sodium	mg/L	**81.3**	**40**		**22**	**20**	**20**	**22**	**22**	**22**	**22**	**21**	**21**	**22**	**23**	**21**	**20**
Wet Chemistry																	
chloride	mg/L	**50.4**	**46**		**6.6**	**6.9**	**40**	**50**	**47**	**43**	**47**	**46**	**45**	**43**	2 U	**41**	**39**
nitrate as N	mg/L	0.1 U	0.05 U		0.05 U	0.05 U	**0.05 U**	0.05 U	0.05 U	0.05 U	0.055 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**4.41**															
carbon dioxide	mg/L	**180**															
alkalinity carbonate	mg/L		1 U		**160**	**150**	**160**	**160**	**160**	**160**	**160**	**170**	**170**	**180**	**160**	**160**	**170**
total alkalinity	mg/L	**179**	**160**		**160**	**150**	**160**	**160**	**160**	**160**	**160**	**170**	**170**	**180**	**160**	**160**	**170**
total organic carbon	mg/L	**1.6**	1 U		1 U	1 U	**1.3**	1 U	**1.2**	1 U	**2.6**	1 U	1 U	1 U	**1.3**	**1.2**	**1.1**
sulfide	mg/L	**0.48**	**0.017**		**0.01 U**	**0.021 U**	**0.013**	0.01 U	0.01 U	**0.044**	0.01 U	0.01 U	**0.01**	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters																	
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**448**	**397**	**480**	**334**	**335**	**417**	**365**	**387**	**363**	**357**	**331**	**387**	**386**	**358**	**351**	**362**
dissolved oxygen	mg/L	**0.83**	**4**	**1.83**	**2.22**	**2.22**	**3.41**	**0.23**	**0.67**	**5.51**	**2.47**	**0.99**	**4.68**	NA	**0.39**	**0.59**	**1.93**
ferrous iron	mg/L	**1.61**	**3.3**	NA	**2.55**	NA	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**2.63**	**3.3**	**3.25**	**3.3**	**3.3**	**3.3**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.25**	**2**	NA	**0.26**
odor	Olfactory	None	Sulfur	Faint Sulfur	None	Sulfur	None	None	None	None	None	Sulfur	None	None	None	None	None
ORP	MeV	**-86.9**	**-86.8**	**-15.6**	**-59.3**	**44**	**-29.8**	**-37.7**	**-53.8**	**-54.9**	**-3.2**	**-70.5**	**-37.6**	**-64.2**	**-86.4**	**-46.1**	**-35.3**
pH	pH unit	**8.11**	**6.71**	**6.02**	**6.65**	**4.01**	**6.45**	**6.80**	**6.11**	**6.93**	**6.82**	**6.72**	**6.68**	**6.86**	**7.01**	**6.26**	**7.04**
temperature	degrees C	**12.34**	**10.73**	**11.38**	**11.68**	**12.29**	**11.31**	**10.57**	**12.61**	**11.85**	**9.96**	**12.51**	**12.15**	**11.4**	**11.46**	**11.65**	**10.72**
turbidity	NTU	**1.1**	**0.55**	**0.35**	**1.8**	**1.1**	**0.4**	**2.8**	**0.25**	**0.81**	**1.75**	**0.55**	**1.2**	**0.12**	**0.1**	**1.21**	**3.44**
water level	feet	NA	NA	NA	NA	NA	NA	NA	NA	NA	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-19-3 10/31/2006 NORM	MW-19-3 4/13/2007 NORM	MW-19-3 12/6/2007 NORM	MW-19-3 4/22/2008 NORM	MW-19-3 7/30/2008 NORM	MW-19-3 10/27/2008 NORM	MW-19-3 2/4/2009 NORM	MW-19-3 4/27/2009 NORM	MW-19-3 10/20/2009 NORM	MW-19-3 1/27/2010 NORM	MW-19-3 7/28/2010 NORM	MW-19-3 10/27/2010 NORM	MW-19-3 1/4/2011 NORM	MW-19-3 4/26/2011 NORM	MW-19-3 6/14/2011 NORM	MW-19-3 1/28/2013 NORM
Volatile Organics																	
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	**0.5 J**	**0.41 U**	**0.63**	**0.91**	**1.3**	**1.5**	**0.91**	**1.4**	**1.3**	**1.2**	**1.6**	**1.6**	**1.6**	**0.96**
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.57**	**1**	**1.2**	0.5 U	**1.1**	**0.94**	**0.93**	**1.3**	**1.2**	**1.2**	**0.94**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 UJ	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	2.1 U	**1.6 J**	2 U	2.1 U	2.1 U	2 U	**2.1**	**2.3**	2.2 U	2.1 U	2.1 U	2 U	2.1 U	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.63**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 U	1 U	2 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	**0.45 J**	**0.25 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	0.5 U	2 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**2**	**2.8**	**8.2**	**0.5 U**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	1 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Gases																	
ethane	ug/L	120 U			**1.24**	U	1 U	1 U	12 U	12 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
ethene	ug/L	170 U			U	U	1 U	1 U	17 U	17 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
methane	ug/L	**3620**			**926**	**260**	**220**	**220**	**126**	**153**	**110**	**160**	**340**	**260**	**260**	**270**	**141**
Metals																	
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**0.483**	**1.2**		**43.0**	**45.0**	**45**	**51**	**50**	**52**	**52**	**49**	**49**	**51**	**49**	**51**	**47**
iron	mg/L	**0.559**	**340**		**4**	**4.5**	**4.5**	**4.9**	**4.8**	**4.9**	**5**	**5**	**4.5**	**4.8**	**5.1**	**4.7**	**4.5**
manganese	mg/L	**0.005**	**0.007**		**0.4**	**0.41**	**0.42**	**0.46**	**0.45**	**0.48**	**0.47**	**0.47**	**0.43**	**0.46**	**0.46**	**0.43**	**0.43**
sodium	mg/L	**138**	**120**		**33**	**26**	**24**	**25**	**24**	**25**	**24**	**23**	**22**	**22**	**26**	**23**	**22**
Wet Chemistry																	
chloride	mg/L	**50.1**	**47**		**3.3**	**6.9**	**41**	**20**	**46**	**43**	**47**	**46**	**45**	**43**	2 U	**40**	**39**
nitrate as N	mg/L	0.1 U	**0.064**		**0.05 U**	**0.05 U**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	0.5 U															
carbon dioxide	mg/L	**186**															
alkalinity carbonate	mg/L		**24**		**160**	**150**	**160**	**160**	**170**	**170**	**170**	**170**	**170**	**180**	**160**	**160**	**180**
total alkalinity	mg/L	**211**	**220**		**160**	**150**	**160**	**160**	**170**	**170**	**170**	**170**	**170**	**180**	**160**	**160**	**180**
total organic carbon	mg/L	**1.2**	1 U		**1.2**	1 U	**2.4**	**1.3**	**1.2**	**1.3**	**1.6**	1 U	1 U	1 U	**1.9**	**1.7**	**1.7**
sulfide	mg/L	**0.48**	**0.32**		**0.01 U**	**0.043**	**0.026**	0.010 U	0.01 U	**0.067**	0.01 U	0.029 U	0.01 U	0.01 U	**0.019**	**0.021**	0.01 U
Purge Parameters																	
color	Visual	Clear	Clear		Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**482**	**451**		**331**	**336**	**417**	**362**	**381**	**362**	**359**	**331**	**388**	**387**	**360**	**347**	**354**
dissolved oxygen	mg/L	**0.91**	**0.44**		**1.87**	**2.06**	**1.45**	**0.11**	**0.54**	**41.4**	**1.55**	**0.58**	**3.8**	**0.01**	**0.25**	**0.48**	**1.17**
ferrous iron	mg/L	**0.19**	**0.26**		**3.3**	NA	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**	**3.3**
flow rate	mL/min	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	NA	**0.26**
odor	Olfactory	None	Sulfur		None	Sulfur	Sulfur	None	None	None	Sulfur	Sulfur	None	None	None	None	None
ORP	MeV	**-139.9**	**-187.9**		**-71.9**	**-1**	**-36.6**	**-24**	**-65.8**	**-62**	**-8.8**	**-78.6**	**-50.9**	**-76.3**	**-81.1**	**-40.3**	**-52.6**
pH	pH unit	**9.38**	**8.90**		**6.73**	**4.06**	**6.47**	**6.85**	**6.09**	**6.8**	**6.91**	**6.73**	**6.69**	**6.84**	**6.97**	**5.96**	**7.04**
temperature	degrees C	**12.12**	**10.67**		**11.59**	**12.46**	**11.43**	**10.34**	**13.1**	**11.89**	**10.26**	**12.84**	**12.24**	**11.3**	**11.5**	**11.5**	**10.57**
turbidity	NTU	**7.3**	**8.6**		**1.7**	**1.1**	**0.4**	**2.1**	**0.24**	**0.46**	**2.01**	**0.95**	**1.3**	0	0	**1.48**	**3.27**
water level	feet	NA	NA		NA	NA	NA	NA	NA	NA	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-20-1 11/1/2006 NORM	MW-20-1 4/18/2007 NORM	MW-20-1 12/6/2007 NORM	MW-20-1 4/21/2008 NORM	MW-20-1 10/28/2008 NORM	MW-20-1 4/28/2009 NORM	MW-20-1 10/26/2010 NORM	MW-20-1 6/14/2011 NORM	MW-20-1 1/29/2013 NORM
Volatile Organics										
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 UJ	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	2 U	2 U	2.2 U	2.1 U	2.1 U	2 U	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	10 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	10 U	5 U	10 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Gases										
ethane	ug/L	12 U			U	1 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U			U	1 U	17 U	2 U	2 U	2 U
methane	ug/L	**216**			**373**	**400**	**354**	**130 K**	**630**	**428**
Metals										
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**93.8**	**53**		**92**	**87**	**90**	**87**	**87**	**82**
iron	mg/L	0.083 U	0.050 U		0.050 U	**0.05**	0.05 U	0.05 U	0.05 U	0.05 U
manganese	mg/L	**0.013**	0.005 U		**0.009**	**0.0087**	**0.0089**	**0.0085**	**0.0086**	**0.0087**
sodium	mg/L	**83.8**	**20**		**83**	**76**	**79**	**74**	**73**	**69**
Wet Chemistry										
chloride	mg/L	**123**	**28**		**8**	**10**	**94**	**84**	**87**	**75**
nitrate as N	mg/L	0.1 U	**0.34**		**0.05 U**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**331**								
carbon dioxide	mg/L	**162**								
alkalinity carbonate	mg/L		1 U		**210**	**210**	**220**	**220**	**200**	**210**
total alkalinity	mg/L	**155**	**180**		**210**	**210**	**220**	**220**	**200**	**210**
total organic carbon	mg/L	**1**	1 U		1 U	1 U	1 U	1 U	1 U	**1.3**
sulfide	mg/L	**0.32**	0.01 U		0.01 U	**0.017**	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters										
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**1005**	**509**	**1240**	**844**	**1130**	**912**	**937**	**831**	**807**
dissolved oxygen	mg/L	**1.26**	**3.2**	**1.63**	**1.98**	**2.11**	**1.49**	**6.08**	**1.42**	**1.37**
ferrous iron	mg/L	**0.15**	**0.18**	NA	**0.03**	**0.01**	**0.05**	0	**0.1**	**0.1**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	**0.13**
odor	Olfactory	Methane	Sulfur	None	Sulfur	Faint Sulfur	None	None	Sulfur	None
ORP	MeV	**15**	**-91**	**71.9**	**36.6**	**-36.3**	**-21.1**	**0.7**	**16.2**	**-37**
pH	pH unit	**7.68**	**7.60**	**6.38**	**6.81**	**7.48**	**7.04**	**7.32**	**6.77**	**7.51**
temperature	degrees C	**11.17**	**10.75**	**10.69**	**11.61**	**9.97**	**12.2**	**11.81**	**11.26**	**10.5**
turbidity	NTU	0.0	**0.7**	0.0	**0.85**	**1.9**	**0.5**	**0.8**	**1.25**	**3.53**
water level	feet	NA	NA	NA	NA	NA	NA	**59.42**	**58.33**	**57.9**

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-20-2 11/1/2006 NORM	MW-20-2 4/18/2007 NORM	MW-20-2 12/6/2007 NORM	MW-20-2 4/21/2008 NORM	MW-20-2 10/28/2008 NORM	MW-20-2 4/28/2009 NORM	MW-20-2 10/26/2010 NORM	MW-20-2 6/14/2011 NORM	MW-20-2 6/14/2011 1/29/2013
Volatile Organics										
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	2.1 U	2 U	2.1 U	2.2 U	2 U	**2.8**	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	10 U	5 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Gases										
ethane	ug/L	12 U			U	1 U	12 U	2 U	2 U	2 UL
ethene	ug/L	17 U			U	1 U	17 U	2 U	2 U	2 UL
methane	ug/L	**351**			**786**	**620 J**	**436**	**1,100**	**1,000**	**553**
Metals										
arsenic	mg/L	0.009 U	0.016 U		0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**162**	**140**		**150**	**150**	**160**	**150**	**160**	**150**
iron	mg/L	**0.186**	**0.19**		**0.18**	**0.17**	**0.18**	**0.16**	**0.16**	**0.16**
manganese	mg/L	**0.007**	0.005 U		**0.0074**	**0.0073**	**0.0075**	**0.0078**	**0.0071**	**0.0073**
sodium	mg/L	**178**	**160**		**160**	**160**	**160**	**150**	**160**	**140**
Wet Chemistry										
chloride	mg/L	**318**	**270**		**90**	**260**	**280**	**260**	**280**	**260**
nitrate as N	mg/L	0.1 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**652**								
carbon dioxide	mg/L	**188**								
alkalinity carbonate	mg/L		1 U		**180**	**190**	**190**	**190**	**180**	**190**
total alkalinity	mg/L	**188**	**180**		**180**	**190**	**190**	**190**	**180**	**190**
total organic carbon	mg/L	**1**	1 U		1 U	1 U	1 U	1 U	1 U	1 U
sulfide	mg/L	0.2 U	0.01 U		**0.016**	**0.013**	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters										
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**1746**	**1720**	**2126**	**1483**	**2033**	**1654**	**1705**	**1511**	**1465**
dissolved oxygen	mg/L	**1.44**	**1.28**	**0.68**	**2**	**3.78**	**0.58**	**5.62**	**1.01**	**1.37**
ferrous iron	mg/L	**0.24**	**0.35**	NA	**0.33**	**0.14**	**0.2**	**0.18**	0	**0.35**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	**0.13**
odor	Olfactory	Methane	Sulfur	Sulfur	Sulfur	None	None	Sulfur	Sulfur	None
ORP	MeV	**38.8**	**-44.2**	**81.2**	**-14.7**	**-25.4**	**-21.3**	**5.8**	**45.2**	**-32.4**
pH	pH unit	**7.55**	**7.24**	**6.39**	**7.04**	**7.43**	**7.01**	**7.3**	**6.71**	**7.46**
temperature	degrees C	**11.14**	**10.86**	**10.74**	**11.47**	**10.26**	**12.49**	**12.03**	**11.17**	**10.5**
turbidity	NTU	0.0	**1.0**	**2.5**	**2.7**	**1.4**	**0.3**	**0.5**	**1.5**	**2.47**
water level	feet	NA	NA	NA	NA	NA	NA	**56.75**	**56.42**	**55.6**

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-20-3 11/1/2006 NORM	MW-20-3 4/18/2007 NORM	MW-20-3 12/6/2007 NORM	MW-20-3 4/21/2008 NORM	MW-20-3 10/28/2008 NORM	MW-20-3 4/28/2009 NORM	MW-20-3 10/26/2010 NORM	MW-20-3 6/14/2011 NORM	MW-20-3 1/29/2013 NORM
Volatile Organics										
1,1,1-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	20 R	NR	2 U	2 U	2.1 U	2.2 U	2.1 U	2.2 U	
2-butanone	ug/L	5 U	5 U J	5 U	5 U	5 U	5 U	10 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U J	5 U	5 U	10 U	5 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UL
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	0.5 UL
methylcyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U J	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Gases										
ethane	ug/L	12 U			**0.296 J**	1 U	12 U	2 U	2 U	2 U
ethene	ug/L	17 U			U	1 U	17 U	2 U	2 U	2 U
methane	ug/L	**210**			**286**	**17**	**122**	**160**	**220**	**80.3**
Metals										
arsenic	mg/L	0.009 U	**0.019**		**0.023**	**0.021**	**0.024**	**0.021**	**0.02**	**0.016**
calcium	mg/L	**75.5**	**51**		**49**	**47**	**46**	**42**	**42**	**38**
iron	mg/L	**0.319**	**0.48**		**0.56**	**0.6**	**0.64**	**0.6**	**0.56**	**0.55**
manganese	mg/L	**0.037**	**0.08**		**0.097**	**0.11**	**0.11**	**0.11**	**0.11**	**0.10**
sodium	mg/L	**100**	**71**		**57**	**54**	**52**	**47**	**47**	**43**
Wet Chemistry										
chloride	mg/L	**171**	**85**		**3.3**	**62**	**69**	**51**	**54**	**55**
nitrate as N	mg/L	0.1 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
nitrite as N	mg/L	0.08 U	0.05 U		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L	**254**								
carbon dioxide	mg/L	**183**								
alkalinity carbonate	mg/L		1 U		**190**	**190**	**190**	**190**	**180**	**190**
total alkalinity	mg/L	**180**	**190**		**190**	**190**	**190**	**190**	**180**	**190**
total organic carbon	mg/L	**1.1**	1 U		1 U	1 U	1 U	1 U	1 U	**1.0**
sulfide	mg/L	0.2 U	**0.36**		**0.045**	**0.14**	**0.1**	0.01 U	**0.047**	0.01 U
Purge Parameters										
color	Visual	Clear	Clear		Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**1057**	**748**		**570**	**720**	**534**	**578**	**458**	**480**
dissolved oxygen	mg/L	**1.75**	**0.66**		**1.95**	**3.84**	**0.38**	**4.85**	**1.01**	**1.52**
ferrous iron	mg/L	**0.29**	**0.65**		**0.71**	**0.58**	**0.66**	**0.38**	**0.09**	**0.60**
flow rate	mL/min	NA	NA		NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA		NA	NA	NA	NA	NA	**0.13**
odor	Olfactory	Methane	Sulfur		Sulfur	Sulfur	Sulfur	Sulfur	Sulfur	None
ORP	MeV	**-11.6**	**-136.8**		**-112.3**	**-130.7**	**109.9**	**-114.1**	**-11.7**	**-125.8**
pH	pH unit	**7.81**	**7.54**		**7.16**	**7.81**	**7.36**	**7.74**	**7.00**	**7.00**
temperature	degrees C	**11.23**	**10.80**		**12.58**	**10.15**	**12.52**	**12**	**11.19**	**10.41**
turbidity	NTU	0.0	**1.1**		**6.9**	**1.1**	**0.25**	**1**	**1.15**	**1.79**
water level	feet	NA	NA		NA	NA	NA	**76.29**	**75.5**	**74.3**

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-21-1 10/30/2008 NORM	MW-21-1 2/5/2009 NORM	MW-21-1 5/14/2009 NORM	MW-21-1 7/16/2009 NORM	MW-21-1 10/13/2009 NORM	MW-21-1 1/28/2010 NORM	MW-21-1 7/29/2010 NORM	MW-21-1 10/25/2010 NORM	MW-21-1 6/15/2011 NORM	MW-21-1 1/31/2013 NORM
Volatile Organics											
1,1,1-trichloroethane	ug/L	**9.3**	**9**	**9.4**	**6.8**	**7.4**	**7.3**	**8.4**	**10**	**4.2**	
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,1-dichloroethane	ug/L	**0.9**	**1.7**	**1.6**	**2.1**	**4.3**	**2.2**	**2.6**	**1.5**	**0.57**	
1,1-dichloroethene	ug/L	**5.4**	**6.3**	**6.8**	**7**	**9.2**	**7.6**	**8.2**	**7.5**	**3.7**	
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1,4-dioxane	ug/L	2.1 U	2.2 U	2 U	2 U	2 U	2.3 U	2 U	2.1 UL	2 U	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	
2-hexanone	ug/L	10 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	
4-methyl-2-pentanone	ug/L	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
acetone	ug/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 UJ	
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 UJ	
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	
methylcyclohexane	ug/L	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
toluene	ug/L	**8.5**	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	
trichloroethene	ug/L	**2.4**	**2.3**	**2.6**	**2.2**	**2.8**	**3.3**	**3.8**	**3.5**	**1.8**	
trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
vinyl chloride	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	
Gases											
ethane	ug/L	1 U	2 U J	12 U	2 U	12 U	2 U	2 U	2 U	2 U	
ethene	ug/L	1 U	2 U J	17 U	2 U	17 U	2 U	2 U	2 U	2 U	
methane	ug/L	2 U	2 U J	10 U	2 U	10 U	2 U	2 U	2 U	2 U	
Metals											
arsenic	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**68**	**66**	**66**	**65**	**70**	**71**	**76**	**73**	**67**	**78**
iron	mg/L	0.050 U	0.050 U	0.050 U	0.050 U	**0.12**	0.050 U	**1.9**	**0.096**	**1.7**	0.05 U
manganese	mg/L	0.005 U	0.050 U	0.050 U	0.005 U	0.005 U	0.005 U	**0.1**	0.005 U	**0.012**	0.05 U
sodium	mg/L	**12**	**12**	**11**	**9.8**	**8.5**	**8.8**	**8.8**	**8.4**	**9.5**	**10**
Wet Chemistry											
chloride	mg/L	**4.6**	**9.1**	**13**	**8.1**	**11**	**8.2**	**12**	**9.4**	**4.7**	**6.4**
nitrate as N	mg/L	**2.3**	**1.7**	**1.5**	**1.2**	**1.2**	**1.2**	**1.2**	**1.5**	**1.3**	**1.7**
nitrite as N	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 UJ
sulfate as SO4	mg/L										
carbon dioxide	mg/L										
alkalinity carbonate	mg/L	**190**	**190**	**190**	**190**	**190**	**200**	**230**	**210**	**190**	**240**
total alkalinity	mg/L	**190**	**190**	**190**	**190**	**190**	**200**	**230**	**210**	**190**	**240**
total organic carbon	mg/L	1 U	1 U	1 U	**1.4**	1 U	1 U	1 U	1 U	**1**	
sulfide	mg/L	0.01 U	0.010 UL	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters											
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**506**	**330**	**307**	**303**	**316**	**309**	**325**	**363**	**289**	**345**
dissolved oxygen	mg/L	**3.02**	**3.5**	**2.9**	**5.55**	**7.82**	**4**	**1.58**	**5.46**	**5.05**	**4.18**
ferrous iron	mg/L	**0.09**	0	**0.04**	0	**0.24**	0	**0.17**	**0.09**	**0.06**	**0.01**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.46**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**128.4**	**148.2**	**68**	**66.9**	**103.6**	**261.3**	**-48.3**	**144.9**	**208.3**	**166.2**
pH	pH unit	**6.54**	**6.97**	**6.23**	**6.63**	**6.87**	**7**	**6.93**	**6.61**	**5.92**	**6.86**
temperature	degrees C	**10.67**	**10.35**	**10.75**	**10.87**	**11.07**	**10.05**	**12.28**	**11.45**	**11.19**	**9.7**
turbidity	NTU	**1.6**	**4.1**	**2.3**	**7.1**	**2.08**	**1.31**	**2.00**	**0.90**	**10.20**	**2.99**
water level	feet	NA	Artesian	Artesian	Artesian	Artesian	Artesian	**7.58**	**6**	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-21-2 10/30/2008 NORM	MW-21-2 2/5/2009 NORM	MW-21-2 5/14/2009 NORM	MW-21-2 7/16/2009 NORM	MW-21-2 10/13/2009 NORM	MW-21-2 1/28/2010 NORM	MW-21-2 7/29/2010 NORM	MW-21-2 10/25/2010 NORM	MW-21-2 6/15/2011 NORM	MW-21-2 1/31/2013 NORM
Volatile Organics											
1,1,1-trichloroethane	ug/L	**8.6**	**11**	**10**	**9.4**	**7.8**	**7.3**	**7.5**	**10**	**3.1**	**3.0**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**1.1**	**2.6**	**2.4**	**4.4**	**4.8**	**3**	**3**	**2.5**	**0.54**	0.5 U
1,1-dichloroethene	ug/L	**5.6**	**8.3**	**7.8**	**11**	**9.7**	**9**	**7.9**	**8.8**	**3.5**	**2.0**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	2.1 U	2.1 U	2.2 U	2 U	2 U	2.1 U	2.1 U	2 U	**2.2**	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 UL	0.5 UJ	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**1.3**	**3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**2.2**	**2.8**	**2.9**	**3.0**	**2.8**	**3.2**	**3.3**	**3.7**	**1.4**	**1.2**
trichlorofluoromethane	ug/L	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Gases											
ethane	ug/L	1 U		12 U	2 U	12 U	2 U	2 U	2 U	2 U	2 U
ethene	ug/L	1 U		17 U	2 U	17 U	2 U	2 U	2 U	2 U	2 U
methane	ug/L	2 U		10 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Metals											
arsenic	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**67**	**68**	**66**	**68**	**70**	**70**	**76**	**71**	**61**	**71**
iron	mg/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	**0.4**	0.050 U	0.050 U	**0.07**
manganese	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.02**	0.005 U	0.005 U	0.005 U
sodium	mg/L	**12**	**11**	**10**	**8.5**	**8.3**	**8.3**	**8.5**	**8.4**	**8**	**8.6**
Wet Chemistry											
chloride	mg/L	**2.8**	**9.5**	**13**	**9.9**	**14**	**8.6**	**9.9**	**9.2**	**3.4**	**4.0**
nitrate as N	mg/L	**1.8**	**1.7**	**1.5**	**1**	**1.1**	**1.1**	**1.2**	**1.7**	**1.3**	**1.5 J**
nitrite as N	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 UJ
sulfate as SO4	mg/L										
carbon dioxide	mg/L										
alkalinity carbonate	mg/L	**190**	**190**	**180**	**190**	**190**	**200**	**220**	**210**	**170**	**210**
total alkalinity	mg/L	**190**	**190**	**180**	**190**	**190**	**200**	**220**	**210**	**170**	**210**
total organic carbon	mg/L	1 U	1 U	**1.7**	**1.8**	1 U	1 U	1 U	1 U	1 U	1 U
sulfide	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.012**	**0.012**	**0.017**	0.01 U
Purge Parameters											
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**493**	**337**	**309**	**318**	**312**	**305**	**309**	**361**	**271**	**309**
dissolved oxygen	mg/L	**3.4**	**4.03**	**2.86**	**5.72**	**7.5**	**3.58**	**1.6**	**4.74**	**5.55**	**5.67**
ferrous iron	mg/L	**0.05**	0	**0.13**	**0.66**	**0.04**	**0.39**	**0.34**	**0.1**	0	**0.03**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.46**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**139.4**	**151.1**	**66.6**	**57.6**	**106.3**	**241.1**	**20.1**	**155.6**	**207.3**	**166.4**
pH	pH unit	**6.51**	**7.06**	**6.24**	**6.5**	**6.84**	**6.72**	**6.58**	**6.59**	**5.75**	**6.86**
temperature	degrees C	**10.54**	**10.25**	**10.73**	**11.12**	**10.97**	**10.8**	**11.97**	**11.55**	**11.14**	**10.62**
turbidity	NTU	**0.3**	**4.1**	**2.8**	**0.85**	**0.27**	**0.84**	**0.6**	**0.25**	**2**	**4.95**
water level	feet	NA	Artesian	Artesian	Artesian	Artesian	Artesian	**7.67**	**6.08**	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-21-3 10/30/2008 NORM	MW-21-3 2/5/2009 NORM	MW-21-3 5/14/2009 NORM	MW-21-3 7/16/2009 NORM	MW-21-3 10/13/2009 NORM	MW-21-3 1/28/2010 NORM	MW-21-3 7/29/2010 NORM	MW-21-3 10/25/2010 NORM	MW-21-3 6/15/2011 NORM
Volatile Organics										
1,1,1-trichloroethane	ug/L	**7.4**	**8.1**	**11**	**11**	**8.8**	**8.7**	**7.1**	**12**	**4.3**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**1.5**	**2.9**	**7.4**	**5.6**	**7.3**	**9.2**	**5.3**	**8.9**	**2.2**
1,1-dichloroethene	ug/L	**5.4**	**7.3**	**14**	**6.3**	**14**	**17**	**11**	**15**	**5.3**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
1,4-dioxane	ug/L	2.1 U	2.2 U	**3.1**	2 U	2 U	**4.2**	2.3 U	**2.4**	2.2 U
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 UJ
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**1.5**	0.05 U	0.05 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
chloroform	ug/L	**1.9**	**0.56**	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	2 U	2 U	1 UJ
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	2 U J	0.5 U	0.5 U
methylcyclohexane	ug/L	1 U	1 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	1 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
toluene	ug/L	**79**	**14**	**1.6**	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	1 U	0.5 U
trichloroethene	ug/L	**1.6**	**2**	**2.9**	**3.3**	**3.3**	**4.5**	**3**	**3.6**	**1.7**
trichlorofluoromethane	ug/L	0.5 U J	0.5 U J	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.05 U	0.05 U	0.5 U	1 U
Gases										
ethane	ug/L	1 U	2 U J	12 U	2 U	12 U	2 U	2 U	2 U	2 U
ethene	ug/L	1 U	2 U J	17 U	2 U	17 U	2 U	2 U	2 U	2 U
methane	ug/L	**3.5**	2 U J	10 U	2 U	10 U	2 U	2 U	2 U	2 U
Metals										
arsenic	mg/L	**0.0087**	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**65**	**68**	**68**	**67**	**71**	**72**	**73**	**72**	**61**
iron	mg/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	**0.12**	0.050 U	0.050 U
manganese	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**11**	**7.6**	**7.1**	**7**	**6.9**	**6.8**	**7.7**	**7.5**	**5.5**
Wet Chemistry										
chloride	mg/L	**3.7**	**8**	**12**	**10**	**12**	**10**	**11**	**12**	**3.8**
nitrate as N	mg/L	**2**	**1.5**	**1.1**	**0.93**	**0.96**	**0.97**	**0.96**	**1.4**	**1.1**
nitrite as N	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
sulfate as SO4	mg/L									
carbon dioxide	mg/L									
alkalinity carbonate	mg/L	**190**	**190**	**190**	**190**	**200**	**200**	**220**	**200**	**170**
total alkalinity	mg/L	**190**	**190**	**190**	**190**	**200**	**200**	**220**	**200**	**170**
total organic carbon	mg/L	1 U	1 U	**1.1**	**1.6**	1 U	1 U	1 U	1 U	1 U
sulfide	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters										
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**501**	**327**	**316**	**319**	**320**	**328**	**305**	**360**	**271**
dissolved oxygen	mg/L	**3.14**	**3.67**	**2.96**	**4.58**	**7.56**	**3.47**	**1.51**	**4.26**	**5.13**
ferrous iron	mg/L	**0.26**	**0.03**	0	**0.66**	**0.1**	**0.1**	**0.12**	**0.07**	0
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA
odor	Olfactory	None	None	None	None	None	None	None	None	None
ORP	MeV	**143.9**	**178.1**	**70.7**	**67**	**108.7**	**245.3**	**67.4**	**158.6**	**199.9**
pH	pH unit	**6.5**	**7.03**	**6.24**	**6.55**	**6.86**	**6.72**	**6.6**	**6.62**	**5.69**
temperature	degrees C	**10.63**	**10.31**	**10.72**	**11.02**	**11.03**	**10.31**	**12.02**	**11.57**	**11.17**
turbidity	NTU	**1.1**	**4.8**	**2.5**	**1.4**	**0.41**	**0.98**	**0.20**	**0.55**	**1.23**
water level	feet	NA	Artesian	Artesian	Artesian	Artesian	Artesian	**7.58**	**6**	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-21-4 10/30/2008 NORM	MW-21-4 2/5/2009 NORM	MW-21-4 5/14/2009 NORM	MW-21-4 7/16/2009 NORM	MW-21-4 10/13/2009 NORM	MW-21-4 1/28/2010 NORM	MW-21-4 7/29/2010 NORM	MW-21-4 10/25/2010 NORM	MW-21-4 6/15/2011 NORM	MW-21-4 1/31/2013 NORM
Volatile Organics											
1,1,1-trichloroethane	ug/L	**11**	**9**	**11**	**11**	**9.1**	**8.7**	**8.3**	**5.3**	**3.4**	**3.3**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**1.3**	**1.7**	**5.6**	**6.1**	**11**	**9.5**	**3.1**	**1**	**0.79**	**0.63**
1,1-dichloroethene	ug/L	**6.2**	**7.1**	**14**	**15**	**16**	**18**	**9.3**	**4.3**	**4**	**2.4**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	2.2 U	2.2 U	2.2 U	2 U	2 U	**4.1**	2.2 U	2 U	2.1 U	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 UJ	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**1.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**0.27**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**5.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.0**
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**2.5**	**2.3**	**3.3**	**3.7**	**5.6**	**4.7**	**3.2**	**1.9**	**1.5**	**1.1**
trichlorofluoromethane	ug/L	0.5 U J	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Gases											
ethane	ug/L	1 U	2 U J	12 U	2 U	12 U	2 U	2 U	2 U	2 U	2 U
ethene	ug/L	1 U	2 U J	17 U	2 U	17 U	2 U	2 U	2 U	2 U	2 U
methane	ug/L	2 U	2 U J	10 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Metals											
arsenic	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**66**	**66**	**68**	**69**	**73**	**73**	**72**	**71**	**58**	**63**
iron	mg/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
manganese	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**7.8**	**6.8**	**7**	**7**	**7.1**	**7**	**6.6**	**6.2**	**5.1**	**4.9**
Wet Chemistry		.									
chloride	mg/L	1 U	**7.3**	**16**	**11**	**13**	**13**	**9.8**	**7.3**	**3**	**3.4**
nitrate as N	mg/L	**2.3**	**1.5**	**1.2**	**0.93**	**0.91**	**0.82**	**1.1**	**2.5**	**1.2**	**1.5 J**
nitrite as N	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 UJ
sulfate as SO4	mg/L										
carbon dioxide	mg/L										
alkalinity carbonate	mg/L	**190**	**190**	**190**	**190**	**200**	**200**	**210**	**200**	**160**	**160**
total alkalinity	mg/L	**190**	**190**	**190**	**190**	**200**	**200**	**210**	**200**	**160**	**190**
total organic carbon	mg/L	1 U	1 U	**1.3**	**1.4**	1 U	1 U	1 U	1 U	1 U	1 U
sulfide	mg/L	0.01 U	0.01 U	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Purge Parameters											
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**498**	**323**	**314**	**327**	**335**	**317**	**299**	**352**	**261**	**297**
dissolved oxygen	mg/L	**3.07**	**3.72**	**2.72**	**4.63**	**6.83**	**3.21**	**2.49**	**4.97**	**6**	**5.21**
ferrous iron	mg/L	**0.01**	**0.05**	0	**0.26**	**0.06**	**0.12**	**0.11**	**0.04**	0	**0.03**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.46**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**147.3**	**298.8**	**75.9**	**73**	**106.9**	**245.8**	**106.1**	**169.8**	**200.7**	**167.8**
pH	pH unit	**6.56**	**6.95**	**6.25**	**6.52**	**6.94**	**6.74**	**6.59**	**6.6**	**5.57**	**6.68**
temperature	degrees C	**10.39**	**10.29**	**10.72**	**11.2**	**11.01**	**9.62**	**11.97**	**11.51**	**11.16**	**10.65**
turbidity	NTU	**0.25**	**3.9**	**2.8**	**0.85**	**0.43**	**0.85**	0.00	0.00	**1.13**	**2.10**
water level	feet	NA	Artesian	Artesian	Artesian	Artesian	Artesian	**7.58**	**6.08**	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-21-5 10/30/2008 NORM	MW-21-5 2/5/2009 NORM	MW-21-5 5/14/2009 NORM	MW-21-5 7/16/2009 NORM	MW-21-5 10/13/2009 NORM	MW-21-5 1/28/2010 NORM	MW-21-5 7/29/2010 NORM	MW-21-5 10/25/2010 NORM	MW-21-5 6/15/2011 NORM	MW-21-5 1/31/2013 NORM
Volatile Organics											
1,1,1-trichloroethane	ug/L	**12**	**8.4**	**11**	**10**	**8.5**	**8.4**	**7.8**	**6.2**	**4**	**3.3**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**2.8**	**2.1**	**5.9**	**6**	**10**	**9.9**	**3.8**	**2.1**	**1.1**	0.5 U
1,1-dichloroethene	ug/L	**9.4**	**7.2**	**13**	**14**	**17**	**18**	**9.9**	**6.4**	**4.4**	**2.3**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	2.1 U	**3.4**	**2.5**	2 U	2 U	**4.3**	2.1 U	2.1 U	2.2 U	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 UJ	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**1.3**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**0.21**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**13**	**1**	**0.58**	0.5 U	**0.68**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**4.3**	**3.2**	**4.1**	**4.2**	**5.0**	**4.9**	**3.9**	**2.9**	**1.6**	**1.2**
trichlorofluoromethane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
Gases											
ethane	ug/L	1 U	2 U J	12 U	2 U	12 U	2 U	2 U	2 U	2 U	2 U
ethene	ug/L	1 U	2 U J	17 U	2 U	17 U	2 U	2 U	2 U	2 U	2 U
methane	ug/L	2 U	2 U J	10 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Metals											
arsenic	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
calcium	mg/L	**64**	**67**	**66**	**68**	**72**	**73**	**71**	**67**	**59**	**64**
iron	mg/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
manganese	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**7**	**6.9**	**7**	**7**	**7**	**7**	**6.7**	**6.3**	**5.2**	**4.9**
Wet Chemistry											
chloride	mg/L	**10**	**7.4**	**20**	**11**	**14**	**13**	**9.8**	**8.3**	**3.2**	**3.3**
nitrate as N	mg/L	**1.5**	**1.6**	**1.3**	**1**	**0.88**	**0.8**	**1.1**	**1.8**	**1.2**	**1.5 J**
nitrite as N	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 UJ
sulfate as SO4	mg/L										
carbon dioxide	mg/L										
alkalinity carbonate	mg/L	**190**	**190**	**190**	**200**	**190**	**210**	**210**	**200**	**170**	**190**
total alkalinity	mg/L	**190**	**190**	**190**	**200**	**190**	**210**	**210**	**200**	**170**	**190**
total organic carbon	mg/L	1 U	1 U	**1.1**	**1.5**	1 U	1 U	1 U	1 U	1 U	1 U
sulfide	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.01**	**0.012**
Purge Parameters											
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**496**	**333**	**319**	**323**	**334**	**328**	**293**	**346**	**264**	**297**
dissolved oxygen	mg/L	**4.06**	**3.4**	**2.47**	**3.88**	**6.99**	**2.93**	**2.77**	**4.6**	**5.86**	**5.48**
ferrous iron	mg/L	0	**0.02**	**0.04**	**0.62**	0	**0.18**	**0.19**	**0.06**	0	0
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.46**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**132**	NA	**76.8**	**76.5**	**112.7**	**241.1**	**127.4**	**181.2**	**200.4**	**169**
pH	pH unit	**6.58**	**6.91**	**6.28**	**6.52**	**6.88**	**6.78**	**6.68**	**6.61**	**5.59**	**6.80**
temperature	degrees C	**10.39**	**10.64**	**10.69**	**10.73**	**10.96**	**10.25**	**11.65**	**11.41**	**11.06**	**10.83**
turbidity	NTU	**0.95**	**3.5**	**4.2**	**0.65**	**0.08**	**0.22**	0.00	0.00	**0.93**	**1.60**
water level	feet	NA	Artesian	Artesian	Artesian	Artesian	Artesian	**7.58**	**6.13**	Artesian	Artesian

Highlighted values exceed cleanup standards for

Monitored Natural Attenuation Data Summary
Mohonk Road Industrial Plant Superfund Site

Analyte	Unit	MW-21-6 10/30/2008 NORM	MW-21-6 2/5/2009 NORM	MW-21-6 5/14/2009 NORM	MW-21-6 7/16/2009 NORM	MW-21-6 10/13/2009 NORM	MW-21-6 1/28/2010 NORM	MW-21-6 7/29/2010 NORM	MW-21-6 10/25/2010 NORM	MW-21-6 6/15/2011 NORM	MW-21-6 1/31/2013 NORM
Volatile Organics											
1,1,1-trichloroethane	ug/L	**2.5**	**3.1**	**4**	**3.5**	**5.4**	**2.8**	**1.4**	**3.1**	**2**	**3.4**
1,1,2,2-tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-dichloroethane	ug/L	**23**	**15**	**16**	**15**	**13**	**17**	**18**	**11**	**8.5**	**0.85**
1,1-dichloroethene	ug/L	**24**	**18**	**20**	**19**	**16**	**21**	**21**	**15**	**11**	**2.8**
1,2,3-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromo-3-chloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-dioxane	ug/L	**9.1**	2.1 U	**5.2**	**3.3**	2 U	**6**	**3.7**	**2.7**	2.1 U	
2-butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-hexanone	ug/L	10 U	10 U	5 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U
4-methyl-2-pentanone	ug/L	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
acetone	ug/L	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 UJ	0.5 U
carbon disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
carbon tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	**0.91**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroethane	ug/L	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloroform	ug/L	**0.9**	**0.54**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cyclohexane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
dichlorodifluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methyl acetate	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U	2 U	1 UJ	0.5 U
methyl tert-butyl ether	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 U J	0.5 U	0.5 U	0.5 U
methylcyclohexane	ug/L	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
methylene chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-xylene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U
tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
toluene	ug/L	**63**	**46**	**38**	**33**	**8.3**	**11**	**16**	**15**	**5.5**	0.5 U
trans-1,2-dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
trichloroethene	ug/L	**3.3**	**2.9**	**2.9**	**2.9**	**3.8**	**3.7**	**2.8**	**2.6**	**2**	**1.2**
trichlorofluoromethane	ug/L	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
vinyl chloride	ug/L	0.5 U	0.5 U J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U J	0.5 U
Gases											
ethane	ug/L	1 U	2 U J	12 U	2 U	12 U	2 U	2 U	2 U	2 U	2 U
ethene	ug/L	1 U	2 U J	17 U	2 U	17 U	2 U	2 U	2 U	2 U	2 U
methane	ug/L	**5.5**	2 U J	10 U	**6.0**	10 U	2 U	**3.2**	**4.5**	2 U	2 UL
Metals											
arsenic	mg/L	**0.011**	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	**0.014**	0.008 U	0.008 U	0.008 U
calcium	mg/L	**69**	**71**	**70**	**71**	**72**	**73**	**74**	**70**	**67**	**65**
iron	mg/L	**1.4**	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	**0.054**	0.005 U	0.050 U	0.050 U
manganese	mg/L	**0.02**	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
sodium	mg/L	**7.3**	**7.1**	**7.1**	**7**	**7**	**7**	**7**	**6.5**	**6.1**	**5.1**
Wet Chemistry											
chloride	mg/L	**6.5**	**13**	**16**	**15**	**13**	**15**	**17**	**14**	**6.7**	**3.8**
nitrate as N	mg/L	**0.24 J**	**0.6**	**0.57**	**0.4**	**0.57**	**0.3**	**0.28**	**0.8**	**0.65**	**1.5 J**
nitrite as N	mg/L	0.05 U J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025 UJ
sulfate as SO4	mg/L										
carbon dioxide	mg/L										
alkalinity carbonate	mg/L	**210**	**200**	**200**	**210**	**210**	**210**	**220**	**210**	**190**	**200**
total alkalinity	mg/L	**210**	**200**	**200**	**210**	**210**	**210**	**220**	**210**	**190**	**200**
total organic carbon	mg/L	1 U	1 U	**1.2**	**1.4**	1 U	1 U	1 U	1 U	1 U	1 U
sulfide	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.012**	0.01 U	0.01 U	0.01 U
Purge Parameters											
color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
conductivity	µmhos/cm	**537**	**360**	**337**	**344**	**337**	**335**	**318**	**369**	**304**	**247**
dissolved oxygen	mg/L	**1.07**	**1.4**	**1.59**	**1.42**	**6.22**	**1.54**	**0.56**	**4.55**	**2.37**	**5.39**
ferrous iron	mg/L	**0.06**	**0.01**	**0.03**	**0.34**	**0.02**	**0.03**	**0.04**	**0.2**	0	**0.03**
flow rate	mL/min	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
gallons purged	gal	NA	NA	NA	Na	NA	NA	NA	NA	NA	**0.46**
odor	Olfactory	None	None	None	None	None	None	None	None	None	None
ORP	MeV	**133.1**	**242.2**	**62.9**	**62.5**	**112.7**	**236.7**	**125.4**	**163.7**	**199.6**	**167.4**
pH	pH unit	**6.63**	**7.1**	**6.33**	**6.51**	**6.92**	**6.84**	**6.72**	**6.68**	**5.7**	**6.82**
temperature	degrees C	**10.46**	**10.43**	**10.75**	**10.91**	**10.87**	**10.08**	**11.85**	**11.45**	**11.14**	**10.69**
turbidity	NTU	**39**	**4.3**	**3.1**	**0.8**	**0.32**	**0.19**	**4.6**	**3.0**	**1.17**	**1.78**
water level	feet	NA	Artesian	Artesian	Artesian	Artesian	Artesian	**7.58**	**6.13**	Artesian	Artesian

Highlighted values exceed cleanup standards for

Appendix D

January 2013 Sampling Trip Report

AECOM Technical Services Northeast, Inc.

SAMPLING TRIP REPORT

Site Name:	Mohonk Road Industrial Plant Site
CERCLIS ID Number:	NYD986950012
Sampling Dates:	01/14/2013-01/31/2013
CLP Case Number:	Not Applicable
Site Location:	High Falls, Ulster County, New York
Sample Descriptions:	Refer to Tables 1 - 4
Appendix A:	Traffic Report
Appendix B:	FedEx Airbill

Table 1. Laboratories Receiving Samples

Case Number	Sample Type	Name and Address of Laboratory
	TCL VOCs, Metals (Arsenic, Calcium, Iron, Manganese, Sodium), Chloride, Nitrate, Nitrite, Carbon Dioxide, Total Alkalinity, Total Organic Carbon, Sulfide, Ethene, Ethane, Methane	EPA-DESA Laboratory 2890 Woodbridge Avenue Bldg. 209, MS-230 Edison, New Jersey 08837 (732) 906-6886 (John Birri)

Sample Dispatch Data (Table 2):

Fourteen (14) sample coolers were submitted to the Environmental Protection Agency (EPA) Division of Environmental Science and Assessment (DESA) Region 2 Laboratory for analysis of volatile organic compounds (VOCs; SOM01.2); metals (arsenic, calcium, iron, manganese, and sodium; SW-200.7); chloride, nitrate, and nitrite (SW-300.1); carbon dioxide and total alkalinity (SW-310.1); sulfide (SW-9030B); total organic carbon (TOC; SW-415.1); and methane, ethane, and ethene (RSK-175). To the EPA DESA Region 2 Laboratory, a total of fifty-six (56) samples were submitted for VOCs analysis, including fourteen (14) trip blanks, two (2) matrix spike (MS), and two (2) matrix spike duplicate (MSD) samples. To the EPA DESA Region 2 Laboratory, a total of thirty-eight (38) samples were submitted for metals, chloride, nitrate, nitrite, carbon dioxide, total alkalinity, sulfide, TOC, methane, ethane, and ethene analysis.

Table 2. Sample Dispatch Data

FedEx Air bill No.	Number of Coolers	Number and Type of Samples	Date and Time of Sample Submission	Lab
8014 0638 7957	1	4 Aqueous Samples	1/14/2013 1830	EPA-DESA
8014 0638 7968	1	3 Aqueous Samples	1/15/2013 1830	EPA-DESA
8014 0638 8026	1	7 Aqueous Samples	1/16/2013 1830	EPA-DESA
8014 0638 8015	1	3 Aqueous Samples	1/17/2013 1830	EPA-DESA
8014 0638 8004	1	3 Aqueous Samples	1/18/2013 1830	EPA-DESA
8014 0638 7990	1	3 Aqueous Samples	1/21/2013 1830	EPA-DESA
8014 0638 8037	1	3 Aqueous Samples	1/22/2013 1830	EPA-DESA
8014 0638 8048	1	2 Aqueous Samples	1/23/2013 1700	EPA-DESA
8014 0638 8059	1	4 Aqueous Samples	1/24/2013 1700	EPA-DESA
8014 0638 8060	1	5 Aqueous Samples	1/25/2013 1600	EPA-DESA
8014 0638 8070	1	4 Aqueous Samples	1/28/2013 1830	EPA-DESA
8014 0638 8081	1	4 Aqueous Samples	1/29/2013 1600	EPA-DESA
8014 0638 7980	1	4 Aqueous Samples	1/30/2013 1600	EPA-DESA
8014 0638 7979	1	7 Aqueous Samples	1/31/2013 1700	EPA-DESA

Table 3. Sampling Personnel

Name	Organization	Site Duties
Mark Howard	AECOM	Sampling Operations
Tim Steinhofer	AECOM	Sampling Operations
Matt Dean	AECOM	Sampling Operations

Table 4. Sample Numbers and Collection Points

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/14/13	Aqueous	SOM01.2	Trip Blank 1	Trip Blank 1
			ERT-1	ERT-1
			ERT-1 MS	ERT-1 MS
			ERT-1 MSD	ERT-1 MSD
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	ERT-1	ERT-1

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/15/13	Aqueous	SOM01.2	Trip Blank 2	Trip Blank 2
			MW-9B	MW-9B
			MW-10B	MW-10B
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-9B	MW-9B
			MW-10B	MW-10B

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/16/13	Aqueous	SOM01.2	Trip Blank 3	Trip Blank 3
			MW-8B	MW-8B
			MW-7R	MW-7R
			MW-7R MS	MW-7R MS
			MW-7R MSD	MW-7R MSD
			MW-5R	MW-5R
			DUP-1	DUP-1
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-8B	MW-8B
			MW-7R	MW-7R
			MW-5R	MW-5R
			DUP-1	DUP-1

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/17/13	Aqueous	SOM01.2	Trip Blank 4	Trip Blank 4
			ERT-3	ERT-3
			ERT-2	ERT-2
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	ERT-3	ERT-3
			ERT-2	ERT-2

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/18/13	Aqueous	SOM01.2	Trip Blank 5	Trip Blank 5
			MW-15B	MW-15B
			MW-16	MW-16
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-15B	MW-15B
			MW-16	MW-16

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/21/13	Aqueous	SOM01.2	Trip Blank 6	Trip Blank 6
			MW-11C	MW-11C
			MW-11B	MW-11B
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-11C	MW-11C
			MW-11B	MW-11B

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/22/13	Aqueous	SOM01.2	Trip Blank 7	Trip Blank 7
			MW-12B	MW-12B
			MW-14B	MW-14B
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-12B	MW-12B
			MW-14B	MW-14B

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/23/13	Aqueous	SOM01.2	Trip Blank 8	Trip Blank 8
			MW-6B	MW-6B
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-6B	MW-6B

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/24/13	Aqueous	SOM01.2	Trip Blank 9	Trip Blank 9
			MW-1B	MW-1B
			MW-4	MW-4
			MW-5B	MW-5B
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-1B	MW-1B
			MW-4	MW-4
			MW-5B	MW-5B

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/25/13	Aqueous	SOM01.2	Trip Blank 10	Trip Blank 10
			MW-13B	MW-13B
			ERT-4	ERT-4
			Equipment Blank 1	Equipment Blank 1
			Equipment Blank 2	Equipment Blank 2
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-13B	MW-13B
			ERT-4	ERT-4
			Equipment Blank 1	Equipment Blank 1
			Equipment Blank 2	Equipment Blank 2

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/26/13	Aqueous	SOM01.2	Trip Blank 11	Trip Blank 11
			MW-19-1	MW-19-1
			MW-19-2	MW-19-2
			MW-19-3	MW-19-3
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-19-1	MW-19-1
			MW-19-2	MW-19-2
			MW-19-3	MW-19-3

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/29/13	Aqueous	SOM01.2	Trip Blank 12	Trip Blank 12
			MW-20-1	MW-20-1
			MW-20-2	MW-20-2
			MW-20-3	MW-20-3
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-20-1	MW-20-1
			MW-20-2	MW-20-2
			MW-20-3	MW-20-3

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/30/13	Aqueous	SOM01.2	Trip Blank 13	Trip Blank 13
			MW-17-1	MW-17-1
			MW-17-2	MW-17-2
			MW-17-3	MW-17-3
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-17-1	MW-17-1
			MW-17-2	MW-17-2
			MW-17-3	MW-17-3

Laboratory:	Sample Type:	Analyses:	Sample #	Sample Collection Point (SCP):
EPA-DESA Lab Shipped 01/31/13	Aqueous	SOM01.2	Trip Blank 14	Trip Blank 14
			MW-21-1	MW-21-1
			MW-21-2	MW-21-2
			MW-21-4	MW-21-4
			MW-21-5	MW-21-5
			MW-21-6	MW-21-6
			DUP-2	DUP-2
		SW-200.7, SW-300.1, SW-310.1, SW-9030B, SW-415.1, RSK 175	MW-21-1	MW-21-1
			MW-21-2	MW-21-2
			MW-21-4	MW-21-4
			MW-21-5	MW-21-5
			MW-21-6	MW-21-6
			DUP-2	DUP-2

Additional Comments:

On January 14, 2013, the sampling team found that the lock securing the well cap on MW-8 could not be readily opened and was inverted in road box. In an attempt to cut the lock with a pair of bolt cutters, Tim Steinhofer suffered a shoulder dislocation. Work stopped immediately and Tim Steinhofer reported the injury to his direct supervisor (Caroline Bardwell). Subsequently, Tim left the site to seek medical treatment. The rest of the sampling team continued to work. Tim returned in limited capacity to the site the following day. A thorough investigation ensued, identifying the root causes and proper prevention.

Freezing temperatures during the event prevented the field staff from sampling MW-18 (a three port FLUTe well), and proved to be an issue for MW-21 (a six port FLUTe well). Five of the six ports on MW-21 defrosted by January 31, and samples were collected including a duplicate sample from MW-21-1. MW-21-3 could not be sampled.

After completing on–site activities, the field staff returned to the AECOM office where they packed the cooler and set-up a standard FedEx pickup. They received an after-hours call from FedEx that they were unable to get into the locked building and were unable to pick up the cooler. The staff returned to the office, picked up the cooler, and delivered it to the local FedEx shipping office. In the process, the deadline for express shipping for the day passed, so immediate shipping the following day with Saturday delivery was requested. FedEx did not delivery the cooler and the samples contained within until the following Monday.

Due to ice melt and hold times being exceed not all the samples were analyzed. The lab did not analyze SOM01.2, RSK-175, and SW-415.1 for MW-21-1 and DUP-2, and SW-300.1 was not analyzed for any of the samples collected on January 31, 2013.

Samples were submitted on Monday January 14th, Tuesday January 15th, Wednesday January 16th, Thursday January 17th, Friday January 18th, Monday January 21st, Tuesday January 22nd, Wednesday January 24th, Thursday January 25th, Friday January 26th, Monday January 28th, Tuesday January 29th, Wednesday January 30th, and Thursday January 31st.

A total of fourteen (14) trip blanks were placed in all coolers containing samples to be analyzed for VOCs.

Two (2) equipment (submersible pump) rinsate blanks were collected during this sampling event and analyzed for VOCs, metals, chloride, nitrate, nitrite, carbon dioxide, total alkalinity, sulfide, TOC, methane, ethane, and ethene.

Two (2) MS/MSDs were collected from ERT-1 and MW-7R; and were analyzed for VOCs only.

Two (2) blind field duplicates were collected during the sampling event for quality assurance/quality control (QA/QC).

Sample ID – Dup-1 for VOCs, metals, chloride, nitrate, nitrite, carbon dioxide, total alkalinity, sulfide, TOC, methane, ethane, and ethene analysis was collected as a blind-field duplicate for Sample ID MW-5R.

Sample ID – Dup-2 for VOCs, metals, chloride, nitrate, nitrite, carbon dioxide, total alkalinity, sulfide, TOC, methane, ethane, and ethene analysis was collected as a blind-field duplicate for Sample ID MW-21-1.

- Laboratory aqueous samples for VOCs analysis were collected in 40ml VOA vials preserved in hydrochloric acid (HCl).
- Laboratory aqueous samples for metals (As, Ca, Fe, Mn and Na) analysis were collected in 250ml plastic bottles preserved with nitric acid (HNO_3).
- Laboratory aqueous samples for chloride, nitrate, and nitrite analysis were collected in unpreserved 100ml plastic bottles.
- Laboratory aqueous samples for carbon dioxide and total alkalinity analysis were collected in unpreserved 250ml plastic bottles.

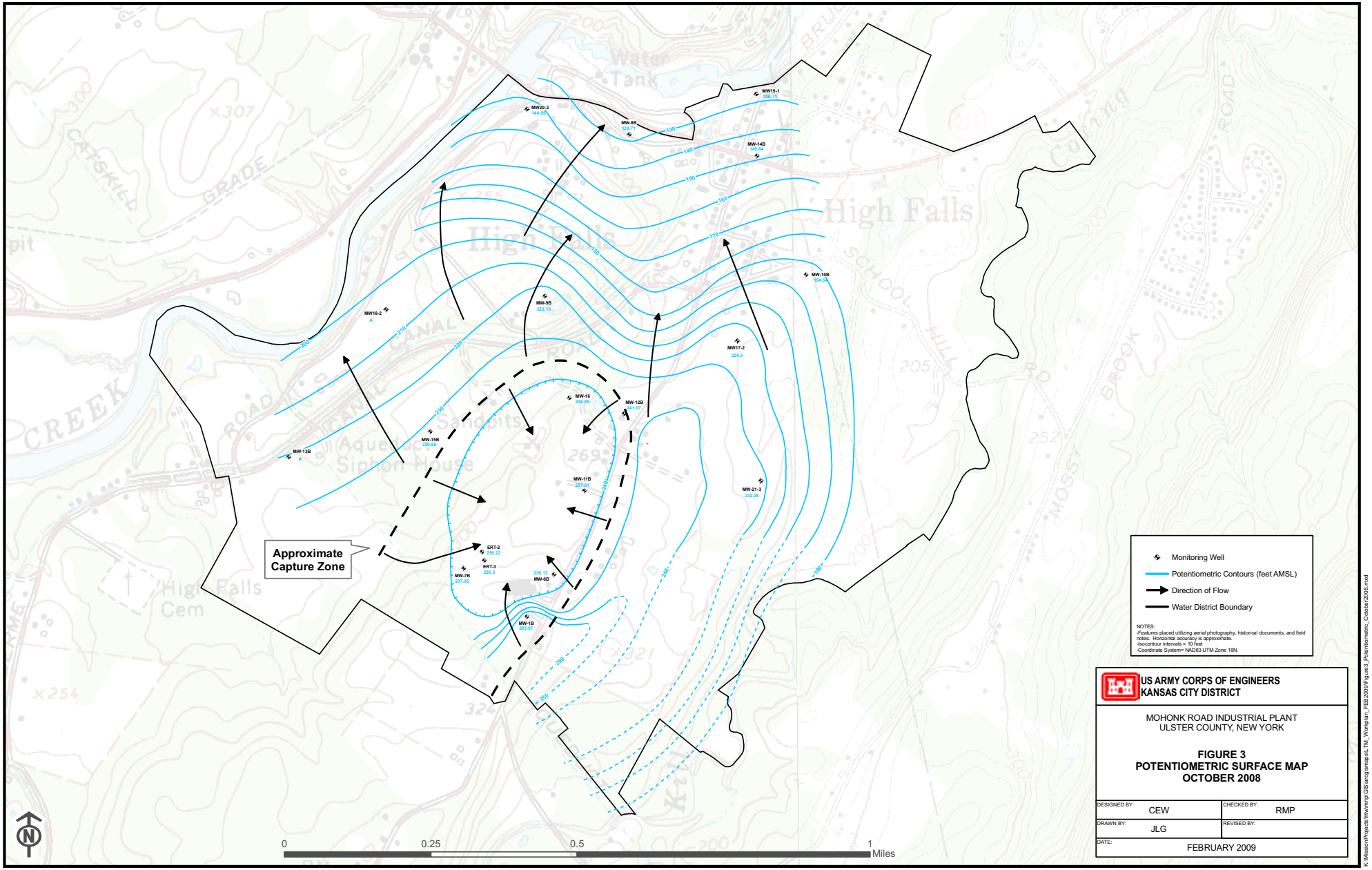
- Laboratory aqueous samples for TOC analysis were collected in 40ml vials preserved with sulfuric acid (H_2SO_4).
- Laboratory aqueous samples for sulfide analysis were collected in 250ml plastic bottles preserved with zink acetate and sodium hydroxide.
- Laboratory aqueous samples for methane, ethane, and ethene analysis were collected in 40ml VOA vials preserved with HCl.

All samples were maintained in ice-filled coolers until shipment to the laboratory.

cc: Damian Duda
Robert Pender
Amy Darpinian
Jennifer Feranda
Adly Michael
Don Mayer
Walter Howard

FIGURES

Site Figure


MW19-1
126.71
MW20-2
144.65
MW-8B
128.71
MW-14B
145.54
MW-10B
194.58
MW-9B
223.13
MW18-2
A
MW17-2
224.5
MW-16
234.15
MW-12B
241.87
MW-15B
239.86
MW-13B
A
MW-11B
237.81
MW-21-3
232.26
ERT-2
236.22
ERT-3
236.3
MW-7B
237.95
238.12
MW-6B
MW-1B
263.97
Approximate Capture Zone
Monitoring Well
Potentiometric Contours (feet AMSL)
Direction of Flow
Water District Boundary
NOTES:
-Features placed utilizing aerial photography, historical documents, and field notes. Horizontal accuracy is approximate.
-Isocontour intervals = 10 feet
-Coordinate System= NAD83 UTM Zone 18N.
0
0.25
0.5
1
Miles
N
US ARMY CORPS OF ENGINEERS
KANSAS CITY DISTRICT
MOHONK ROAD INDUSTRIAL PLANT
ULSTER COUNTY, NEW YORK
FIGURE 3
POTENTIOMETRIC SURFACE MAP
OCTOBER 2008
DESIGNED BY: CEW
CHECKED BY: RMP
DRAWN BY: JLG
REVISED BY:
DATE: FEBRUARY 2009
K:\Mission\Projects\Mohonk\GIS\arcmaps\LTM_Workplan_FEB2009\Figure3_Potentiometric_October2008.mxd

Appendix A

Traffic Report

AECOM
40 British American Blvd.
Latham, NY
12110

P 518.951.2200
F 518.951.2300
www.aecom.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: (804) 515-8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Donald Mayer PE CHMM	FAX: (804) 515-8308	☐ NEW YORK STATE ASP "A"	☒ BY COMMON CARRIER
ADDRESS: 4840 Cox Rd.		☐ OTHER	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 2014 0638 7957	UPS AIRBILL NUMBER:

CLIENT / PROJECT NAME: USACE / Mohonk Road Site

CLIENT PROJECT #: 60267317.2.1

REQUESTED ANALYSES (MTH 1/15/13)

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	SOM 01.2	RSK 174	SW-9030B (MTH 1/15/13)	SW-300.1	SW-310.1	SW-415.1	SW-200.7 (MTH 1/15/13)					COMMENTS
ERT-1	1/14/13 / 1610		X	X				12	X	X	X	X	X	X	X					
ERT-1 MS	1/14/13 / 1610		X	X				3	X											
ERT-1 MSD	1/14/13 / 1610		X	X				3	X											
Trip Blank 1	1/14/13 / 930	–	–	X				2	X											
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Mark Howard	1/14/13 / 1830		/
	/		/
	/		/

ADDITIONAL REMARKS: 42 DAY TAT for data Validation. EDD format - Region 2 - Like. Please Return Cooler.

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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: (804) 515-8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Ronald Mayer PE CHMM	FAX: (804) 515-8308	☐ NEW YORK STATE ASP "A"	☒ BY COMMON CARRIER
ADDRESS: 4840 Cox Rd		☐ OTHER	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014-0635-7968	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE/ Mohawk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: SOM 01.2	RSK 175	SW-8260B	SW-3005A	SW-3010A	SW-6010B	SW-2007	COMMENTS
Trip Blank 2	11/15/13/930	–	–	X				2	X							
MW-9B	11/15/13/1108		X	X				12	X	X	X	X	X	X	X	
MW-10B	11/15/13/1440		X	X				12	X	X	X	X	X	X	X	
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Mark Havard	11/15/13/1830		/
	/		/
	/		/

ADDITIONAL REMARKS:
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: (804) 515-8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Donald Meyer PE CHMM	FAX: (804) 515-8308	☐ NEW YORK STATE ASP "A"	☒ BY COMMON CARRIER
ADDRESS: 4840 Cox Road		☐ OTHER	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014 0638 5026	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohonk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: SOM 01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-200.7						COMMENTS
Trip Blank 3	1/16/13 / 900	–	–	X				2	X												
MW-8B	1/16/13 / 1133		X	X				12	X	X	X	X	X	X	X						
MW-7R	1/16/13 / 1401		X	X				12	X	X	X	X	X	X	X						
MW-7R MS	1/16/13 / 1401		X	X				3	X												
MW-7R MSD	1/16/13 / 1401		X	X				3	X												
MW-5R	1/16/13 / 1535		X	X				12	X	X	X	X	X	X	X						
Dup-1	1/16/13 / –		X	X				12	X	X	X	X	X	X	X						
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME	ADDITIONAL REMARKS	COOLER TEMP.
Donald Meyer	1/16/13 / 1830		/	10 Day TAT for data validation EPA format - Region 2-Like Please Return Cooler	
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804-515-8505	☐NEW YORK STATE ASP "B"	☐SAMPLES DELIVERED IN PERSON
NAME: Donald Mayer PE CHMM	FAX: 804-515-8308	☐NEW YORK STATE ASP "A"	☐BY COMMON CARRIER
ADDRESS: 4840 Cox Road		☐OTHER_____	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014 0638 8015	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mahoning Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: SDM 01.2	KBK 1.75	SW: 9030B	SW: 300.1	SW-846 314.1	SW: 415.1	SW-200.7	COMMENTS
Trip Blank 4	1/17/13 830	–	–	X				2	X							
ERT-3	1/17/13 1030		X	X				12	X	X	X	X	X	X	X	
ERT-2	1/17/13 1522		X	X				12	X	X	X	X	X	X	X	
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME	ADDITIONAL REMARKS	COOLER TEMP.
Mark Farrand	1/17/13 1830		/	42 DAY TAT for data validation EDD Format - Region 2 - Like Please Return Cooler	
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY AECOM	PHONE 804-515-8505	☐NEW YORK STATE ASP "B"	☐SAMPLES DELIVERED IN PERSON
NAME Donald Muye - PE CIHMM	FAX 804-515-8308	☐NEW YORK STATE ASP "A"	☐BY COMMON CARRIER
ADDRESS 4840 Cox Road		☐OTHER	
CITY / STATE / ZIP Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER 8014 0633 8004	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohawk Road Site

CLIENT PROJECT #: 60267317.21

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	SOM 01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-200.7						COMMENTS
Trip Blanks	1/18/13/ 830	-	-	X				2	X												
MW-15B	1/18/13/ 1027		X	X				12	X	X	X	X	X	X	X						
MW-16	1/18/13/ 1413		X	X				12	X	X	X	X	X	X	X						
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Mark Howard	1/18/13/ 1530		/
	/		/
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ADDITIONAL REMARKS
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804-515-8505	☐ NEW YORK STATE ASP "B" ☐ NEW YORK STATE ASP "A"	☐ SAMPLES DELIVERED IN PERSON ☐ BY COMMON CARRIER
NAME: Donald Mayer PE CHMM	FAX: 804-515-8308	☐ OTHER	
ADDRESS: 4840 Cox Road		FEDERAL EXPRESS AIRBILL NUMBER	UPS AIRBILL NUMBER
CITY / STATE / ZIP: Glen Allen, Virginia 23060		7014 0638 7990	

CLIENT / PROJECT NAME	CLIENT PROJECT #
USACE / Mahonk Road Site	60267317.2.1

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	SOM01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-200.7					COMMENTS
Trip Blank (o	1/21/13 / 230	–	–	X				2	X											
MW-11C	1/21/13 / 1100		X	X				12	X	X	X	X	X	X	X					
MW-11B	1/21/13 / 1432		X	X				12	X	X	X	X	X	X	X					
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Mark Howard	1/21/13 / 1830		/
	/		/
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ADDITIONAL REMARKS
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804 515 8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Donald Mayor PE CHMM	FAX: 804 515 8308	☐ NEW YORK STATE ASP "A"	☐ BY COMMON CARRIER
ADDRESS: 4840 Cox Road		☐ OTHER	
CITY / STATE / ZIP: Glen Allen, Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014 0638 8037	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohawk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	SOM01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-200.7	COMMENTS
Trip Blank 7	1/22/13 630	—	-	X				2	X							
MW-12B	1/22/13 1030		X	X				12	X	X	X	X	X	X	X	
MW-14B	1/22/13 1402		X	X				12	X	X	X	X	X	X	X	
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME	ADDITIONAL REMARKS	COOLER TEMP.
Mark Howard	1/22/13 1630		/	42 Day TAT For Data Validation EDD Format Region 2 Like Please Return Cooler	
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY AECOM	PHONE 804-515-8505	☐NEW YORK STATE ASP "B"	☐SAMPLES DELIVERED IN PERSON
NAME Donald Moyer PE CHMM	FAX 804-515-8305	☐NEW YORK STATE ASP "A"	☐BY COMMON CARRIER
ADDRESS 4510 Cox Road		☐OTHER	
CITY / STATE / ZIP Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER 8014 6638 8048	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohawk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	SOM 01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-411.1	SW-200.7						COMMENTS
MW-6B	1/22/13/14:05		X	X				12	X	X	X	X	X	X	X						
Trip Blank 8	1/22/13/8:30			X				2	X												
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Martin Dean	1/23/13/17:00		/
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804-515-8505	☐NEW YORK STATE ASP "B"	☐SAMPLES DELIVERED IN PERSON
NAME: Donald Mayer PE CHMM	FAX: 804-515-8308	☐NEW YORK STATE ASP "A"	☐BY COMMON CARRIER
ADDRESS: 4840 Cox Road		☐OTHER	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 804-0638-5059	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohonk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: SOM 01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-200.7							COMMENTS
Trip Blanks 9	1/24/13/830		-	x				2	x													
MW-1B	1/24/13/1047		x	x				12	x	x	x	x	x	x	x							
MW-4	1/24/13/1107		x	x				12	x	x	x	x	x	x	x							
MW-5B	1/24/13/1440		x	x				12	x	x	x	x	x	x	x							
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME	ADDITIONAL REMARKS	COOLER TEMP.
Cindy M Shaw	1/24/13/1700		/	48 Day TAT For data validation EQD Format Region 2 like Please return cooler	
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804-515-8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Donald Mayer PE CHMM	FAX: 804-515-8308	☐ NEW YORK STATE ASP "A"	☐ BY COMMON CARRIER
ADDRESS: 4540 Cox Road		☐ OTHER	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014-0638-8060	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohawk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: SOM 01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-8011						COMMENTS
Trip Blanks 10	1/25/13/830		-	X				2	X												
MW-13B	1/25/13/932		X	X				12	X	X	X	X	X	X	X						
~~AA~~ ERT-4	1/25/13/1057		X	X				12	X	X	X	X	X	X	X						
Equipment Blank 1	1/25/13/—		X	X				12	X	X	X	X	X	X	X						
Equipment Blanks 2	1/25/13/—		X	X				12	X	X	X	X	X	X	X						
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME	ADDITIONAL REMARKS	COOLER TEMP.
Cindy M Allen	1/25/13/1600		/		
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804 515 8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Donald Mayer PE CHMM	FAX: 804 515 8308	☐ NEW YORK STATE ASP "A"	☐ BY COMMON CARRIER
ADDRESS: 4840 Cox Road		☐ OTHER	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014 0638 8070	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohonk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: SM 0112	RSK 175	SW-9036B	SW-300.1	SW-310.1	SW-415.1	SW-200.7						COMMENTS
Trip Blank 11	11/28/12 830	-	-	X				2	X												
MW-19-1	11/28/12 1120		X	X				12	X	X	X	X	X	X	X						
MW-19-2	11/28/12 1128		X	X				12	X	X	X	X	X	X	X						
MW-19-3	11/28/12 1137		X	X				12	X	X	X	X	X	X	X						
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Mark Howard	11/28/12 1830		/
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ADDITIONAL REMARKS:
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804-515-8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Donald Mayer PE CHMM	FAX: 804-515-8305	☐ NEW YORK STATE ASP "A"	☐ BY COMMON CARRIER
ADDRESS: 4540 Cox Road		☐ OTHER _____	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014 0638 8081	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohonk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: 5OM 01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-2007	COMMENTS
Trip Blank 12	1/29/13/			X				2	X							
MW-20-1	/11:10		X	X				12	X	X	X	X	X	X	X	
MW-20-2	/11:23		X	X				12	X	X	X	X	X	X	X	
MW-20-3	/11:32		X	X				12	X	X	X	X	X	X	X	
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Matthew Lam	1/29/13 16:00		/
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ADDITIONAL REMARKS:
42 Day TAT
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REPORT TO		DATA DELIVERABLE INFORMATION	CHECK DELIVERY METHOD
COMPANY: AECOM	PHONE: 804-515-8505	☐ NEW YORK STATE ASP "B"	☐ SAMPLES DELIVERED IN PERSON
NAME: Donald Mayer PE CHMM	FAX: 804-515-8308	☐ NEW YORK STATE ASP "A"	☐ BY COMMON CARRIER
ADDRESS: 4840 Cox Road		☐ OTHER	
CITY / STATE / ZIP: Glen Allen Virginia 23060		FEDERAL EXPRESS AIRBILL NUMBER: 8014 0638 7950	UPS AIRBILL NUMBER

CLIENT / PROJECT NAME: USACE / Mohonk Road Site

CLIENT PROJECT #: 60267317.2.1

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	SOM 01.2	RSK 175	SW-9030B	SW-300.1	SW-310.1	SW-415.1	SW-260.7	COMMENTS
Trip Blank 13	1/30/13/		X	X				2	X							
MW-17-1	/10:08		X	X				12	X	X	X	X	X	X	X	
MW-17-2	/10:17		X	X				12	X	X	X	X	X	X	X	
MW-17-3	/10:25		X	X				12	X	X	X	X	X	X	X	
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RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME
Matt Dan	1/30/13/ 16:00		/
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ADDITIONAL REMARKS:
42 Day TAT
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Appendix B

FedEx Airbill

FedEx Express Package US Airbill

FedEx Tracking Number 8014 0638 7957

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 11/14/13

Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD

Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference First 24 characters will appear on invoice. 60267317.2.1 OPTIONAL

3 To

Recipient's Name John Bilri Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge AVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [x] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. or Credit Card No. ____ Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

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FedEx Express Package US Airbill

FedEx Tracking Number 8014 0638 7968

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/15/13

Sender's FedEx Account Number (SENDER'S FEDEX ACCOUNT NUMBER ONLY) 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept/Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference
First 24 characters will appear on invoice.

60267317.2.1

3 To

Recipient's Name John Bird Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept/Floor/Suite/Room

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [x] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

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FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 8026**

SPH2

Form ID No. **0215**

Sender's Copy

1 From *Please print and press hard.*

Date 1/16/13 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference
First 24 characters will appear on invoice. OPTIONAL

3 To

Recipient's Name John Birri Phone ( )

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

☐ **HOLD Weekday** FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ **HOLD Saturday** FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

Get transit times. Schedule pickups. Create labels. Go to fedex.com.

4 Express Package Service * To most locations.
NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ **FedEx First Overnight** Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ **FedEx Priority Overnight** Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ **FedEx Standard Overnight** Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ **FedEx 2Day A.M.** Second business morning.* Saturday Delivery NOT available.
- ☐ **FedEx 2Day** Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ **FedEx Express Saver** Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ **SATURDAY Delivery** NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ **No Signature Required** Package may be left without obtaining a signature for delivery.

☐ **Direct Signature** Someone at recipient's address may sign for delivery. *Fee applies.*

☐ **Indirect Signature** If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?
One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required.

☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages Total Weight Total Declared Value†

lbs. $ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

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SPH2

FedEx Express Package US Airbill

FedEx Tracking Number 8014 0638 8015

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/17/13

Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0755-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference First 24 characters will appear on invoice. 60267317.2.1 OPTIONAL

3 To

Recipient's Name John Birri Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

Learn to pack like a pro. Go to fedex.com/packaging

4 Express Package Service • To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☒ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 8004**

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/18/13 Sender's FedEx Account Number 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference First 24 characters will appear on invoice. 60267317 2.1

3 To

Recipient's Name John Birrj Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

4 Express Package Service • To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

Next Business Day

- ☐ **FedEx First Overnight** — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ **FedEx Priority Overnight** — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ **FedEx Standard Overnight** — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ **FedEx 2Day A.M.** — Second business morning.* Saturday Delivery NOT available.
- ☐ **FedEx 2Day** — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ **FedEx Express Saver** — Third business day.* Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☐ Other

6 Special Handling and Delivery Signature Options

☑ **SATURDAY Delivery** NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ **No Signature Required** — Package may be left without obtaining a signature for delivery.

☐ **Direct Signature** — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ **Indirect Signature** — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☑ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☑ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
	lbs.	$ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 7990**

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/21/13

Sender's FedEx Account Number 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD

Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference
First 24 characters will appear on invoice.

6026.7377.2.1

3 To

Recipient's Name John Birri Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

Ship it. Track it. Pay for it. All online.
Go to **fedex.com**.

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [ ] **FedEx First Overnight** — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [X] **FedEx Priority Overnight** — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] **FedEx Standard Overnight** — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] **FedEx 2Day A.M.** — Second business morning.* Saturday Delivery NOT available.
- [ ] **FedEx 2Day** — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] **FedEx Express Saver** — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

6 Special Handling and Delivery Signature Options

- [ ] **SATURDAY Delivery** — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] **No Signature Required** — Package may be left without obtaining a signature for delivery.
- [ ] **Direct Signature** — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] **Indirect Signature** — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [X] Sender — Acct. No. in Section 4 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. or Credit Card No. ____ Exp. Date ____

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 8037**

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/22/13

Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference
First 24 characters will appear on invoice.

60267317.2.1

3 To

Recipient's Name John Bicci Phone (732) 906 6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

Ship it. Track it. Pay for it. All online.
Go to fedex.com.

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.
☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express® Package US Airbill

FedEx Tracking Number 8014 0638 8048

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/23/13 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept/Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference
First 24 characters will appear on invoice. OPTIONAL

3 To

Recipient's Name John Bicri Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept/Floor/Suite/Room

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

☐ HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

4 Express Package Service • To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☒ No Signature Required
Package may be left without obtaining a signature for delivery.

☐ Direct Signature
Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?
One box must be checked.

☐ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

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FedEx Express Package US Airbill

FedEx Tracking Number 8014 0638 8059

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/24/13 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0765-4

Sender's Name AECOM Phone (519) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference First 24 characters will appear on invoice. OPTIONAL

3 To

Recipient's Name John Birri Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☒ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
	lbs.	$ 00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 8060**

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/25/13 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0152-0785-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference
First 24 characters will appear on invoice. OPTIONAL

3 To

Recipient's Name John Birri Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave. Dept./Floor/Suite/Room
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address
Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

Get transit times. Schedule pickups. Create labels. Go to fedex.com.

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☒ No Signature Required — Package may be left without obtaining a signature for delivery.
☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?
One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 8070**

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/28/13 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept/Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference First 24 characters will appear on invoice. 60267317.21

3 To

Recipient's Name John Birri Phone (732) 906 6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

Ship it. Track it. Pay for it. All online.
Go to **fedex.com**.

4 Express Package Service • To most locations.

NOTE: Service order has changed Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day	2 or 3 Business Days
☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.	☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages	Total Weight	Total Declared Value†
1	____ lbs.	$ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 8081**

SPH2

Form ID No. 0215 — **Sender's Copy**

1 From *Please print and press hard.*

Date 1/29/13 Sender's FedEx Account Number 0125-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference First 24 characters will appear on invoice. 60267317.2.1

3 To

Recipient's Name John Birri Phone (732) 906 6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods? One box must be checked.

☒ No ☐ Yes — As per attached Shipper's Declaration. ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages Total Weight Total Declared Value†

____ lbs. $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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FedEx Express **Package US Airbill**

FedEx Tracking Number **8014 0638 7980**

SPH2

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/30/13 Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0765-4

Sender's Name AECOM Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD Dept/Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference First 24 characters will appear on invoice. 60267317.2.1

3 To

Recipient's Name John Birri Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. or Credit Card No. Exp. Date

Total Packages Total Weight Total Declared Value†

____ ____ lbs. $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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SPH2

FedEx Express Package US Airbill

FedEx Tracking Number 8014 0638 7979

Form ID No. 0215

Sender's Copy

1 From *Please print and press hard.*

Date 1/31/13

Sender's FedEx Account Number SENDER'S FEDEX ACCOUNT NUMBER ONLY 0122-0755-4

Sender's Name AECOM

Phone (518) 951-2200

Company AECOM TECHNICAL SERVICES

Address 40 BRITISH AMERICAN BLVD

Dept./Floor/Suite/Room

City LATHAM State NY ZIP 12110-1421

2 Your Internal Billing Reference

First 24 characters will appear on invoice. OPTIONAL

3 To

Recipient's Name John Birri

Phone (732) 906-6886

Company USEPA Region 2 Bldg 209 MS-230

Address 2890 Woodbridge Ave.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Edison State NJ ZIP 08837

HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0457236346

Learn to pack like a pro.
Go to fedex.com/packaging

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2nd Business Day

- ☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes — As per attached Shipper's Declaration ☐ Yes — Shipper's Declaration not required. ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

☒ Sender — Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

FedEx Acct. No. / Credit Card No. Exp. Date

Total Packages Total Weight Total Declared Value†

____ ____ lbs. $ ____ .00

†Our liability is limited to US$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

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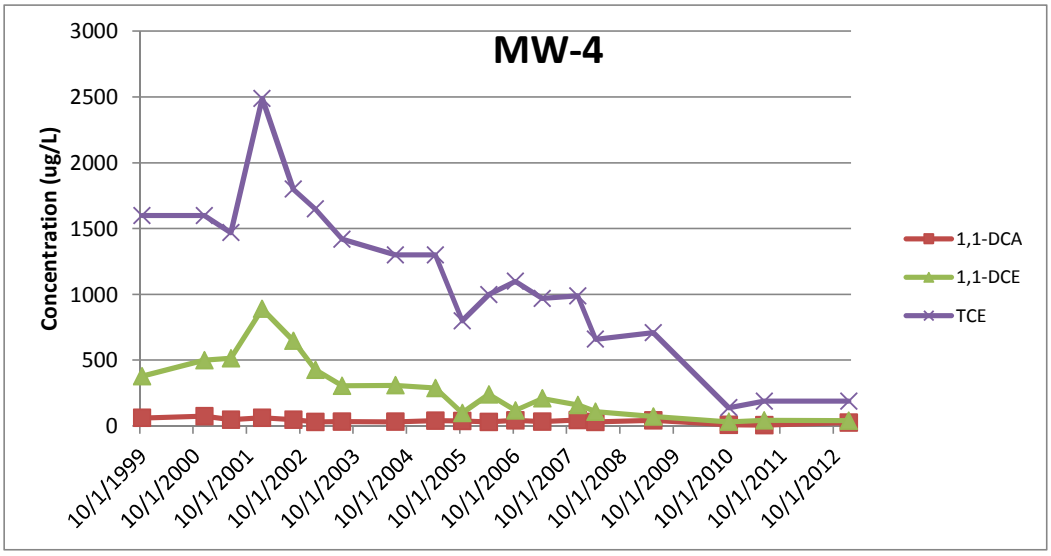
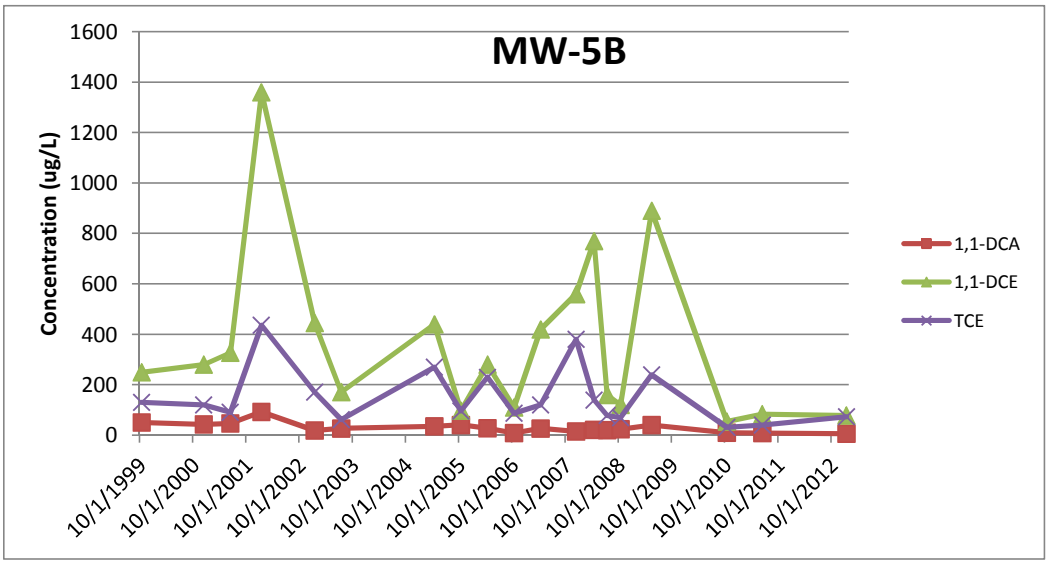
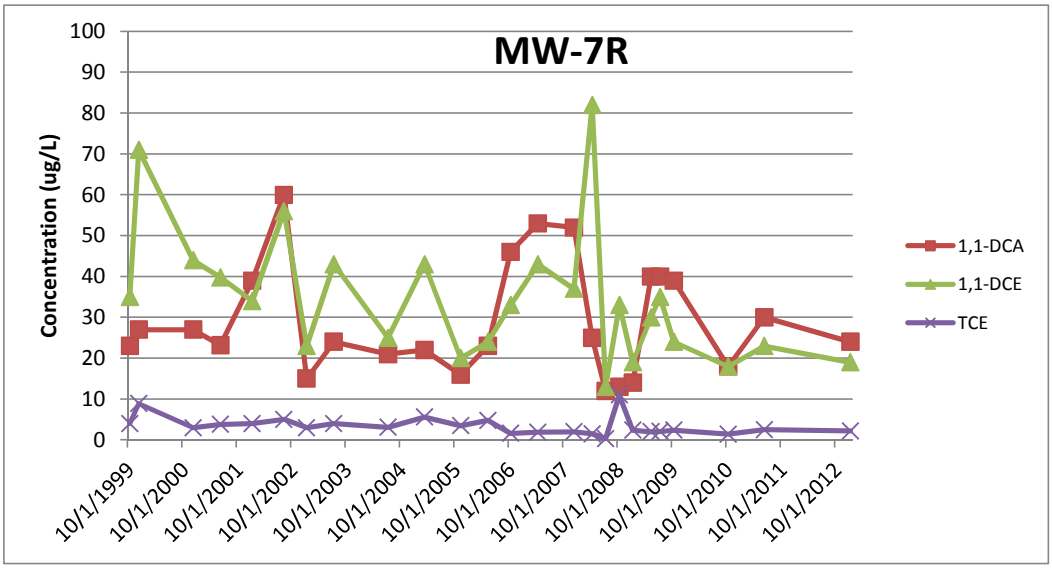
Appendix E

COC Concentrations Trend Graphs

Mohonk Road Industrial Plant Superfund Site
Source Area Well Trend Graphs

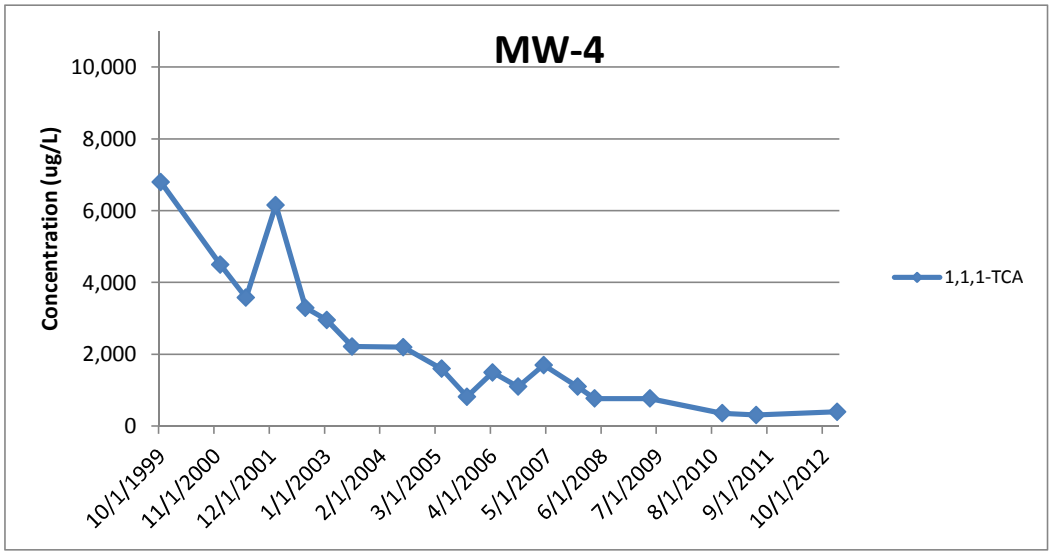


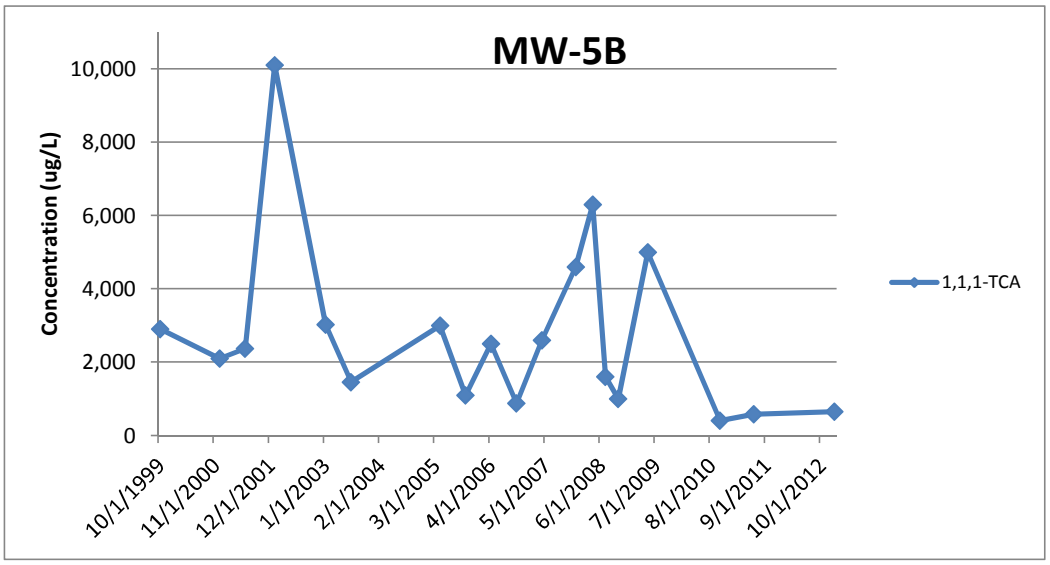


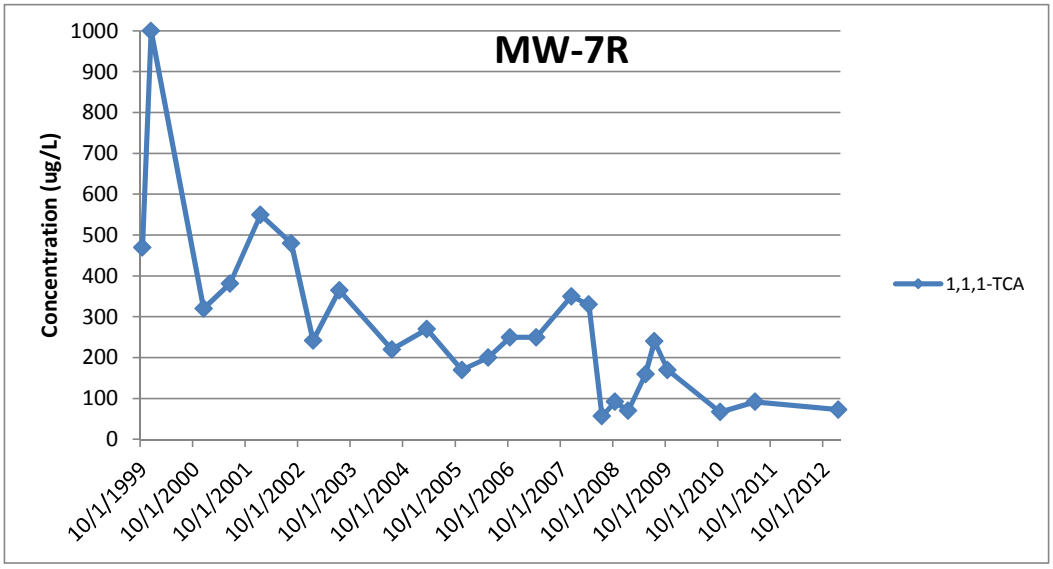


Note: Y-axis scale for MW-7R differs due to concentration orders of magnitude

Mohonk Road Industrial Plant Superfund Site
Source Area Well Trend Graphs

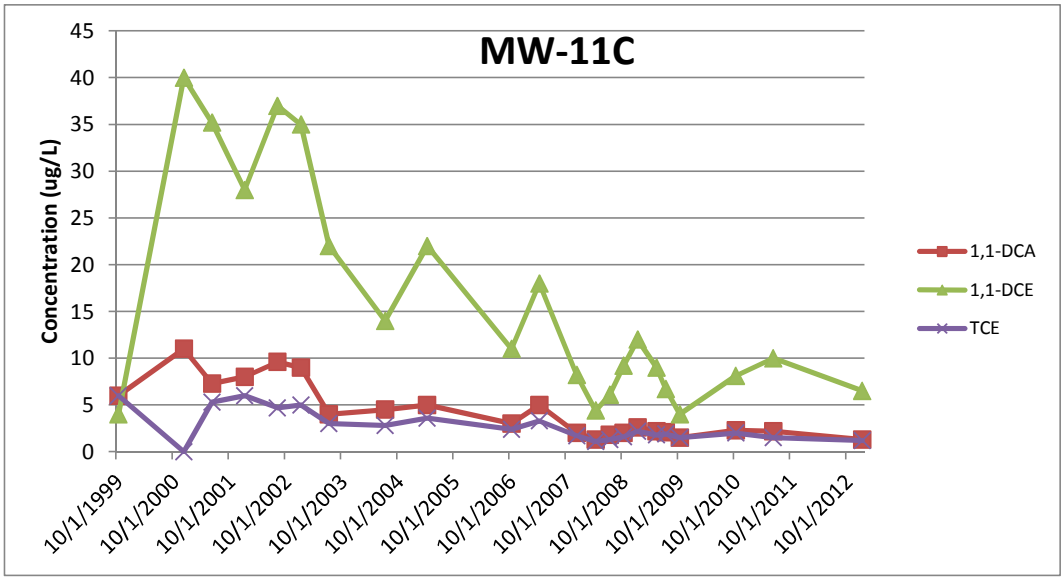


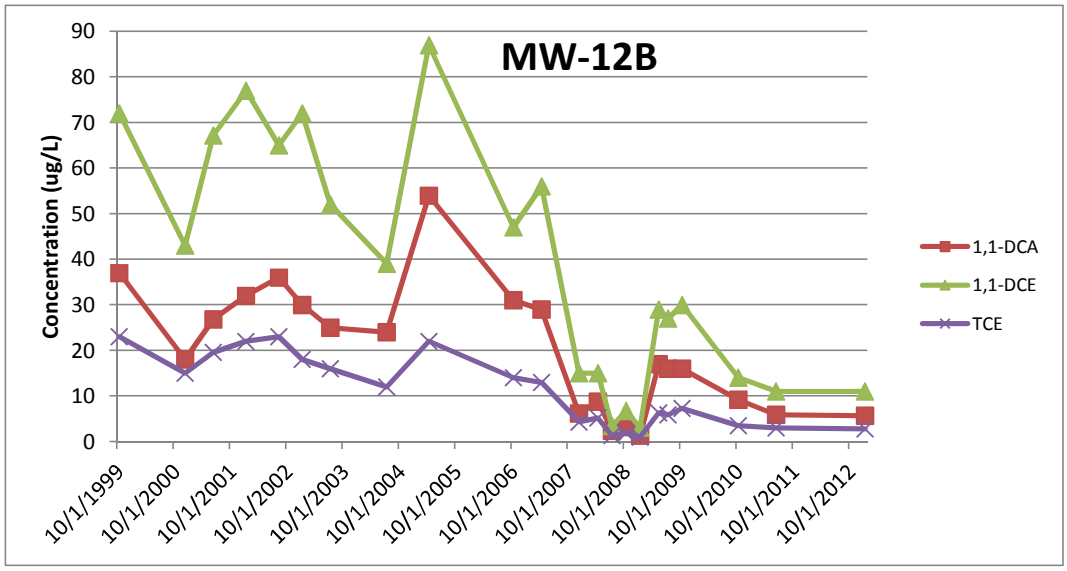


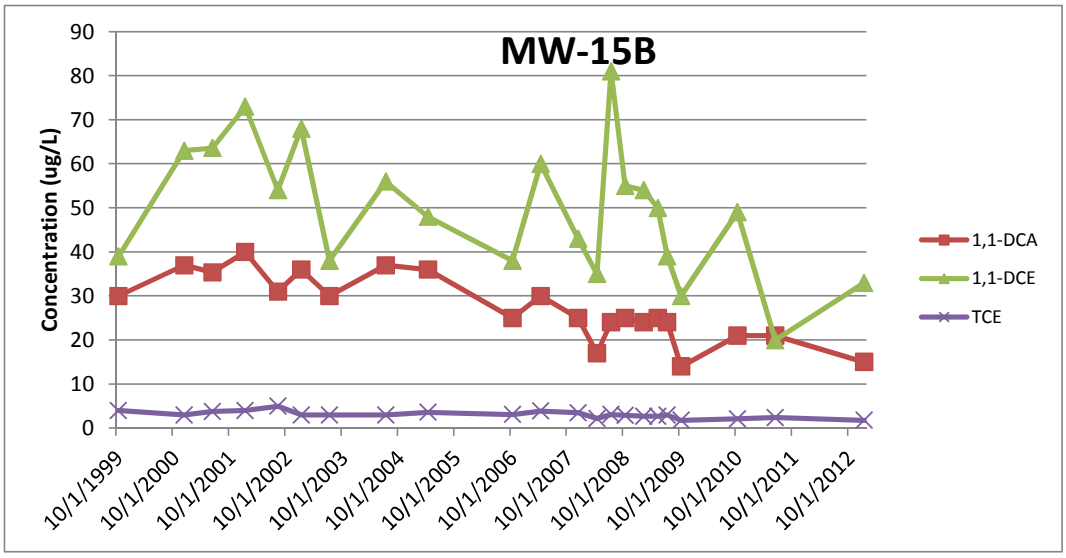


Note: Y-axis scale for MW-7R differs due to concentration orders of magnitude

Mohonk Road Industrial Plant Superfund Site
Mid-Plume Well Trend Graphs

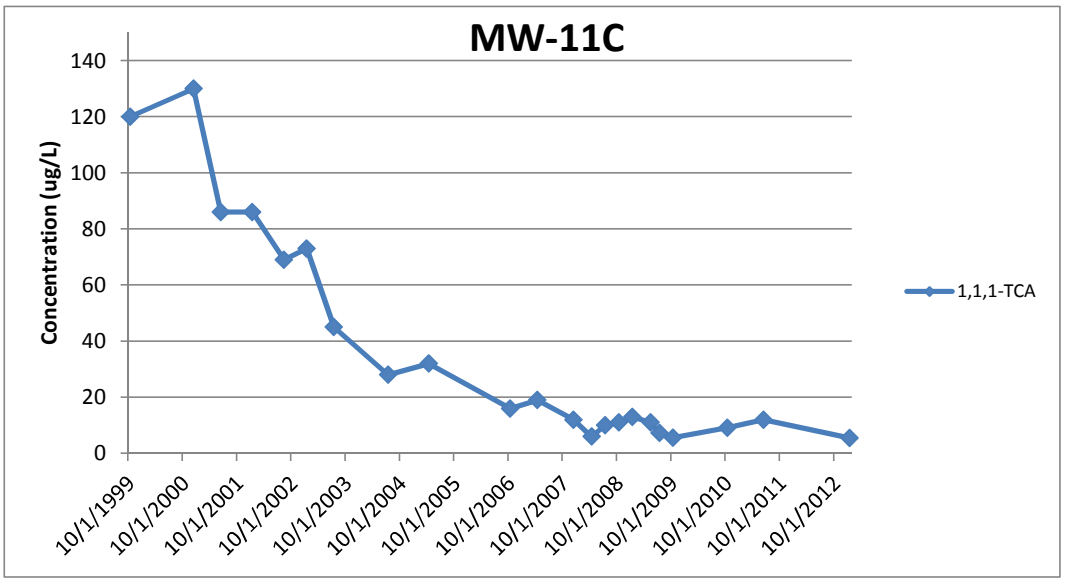


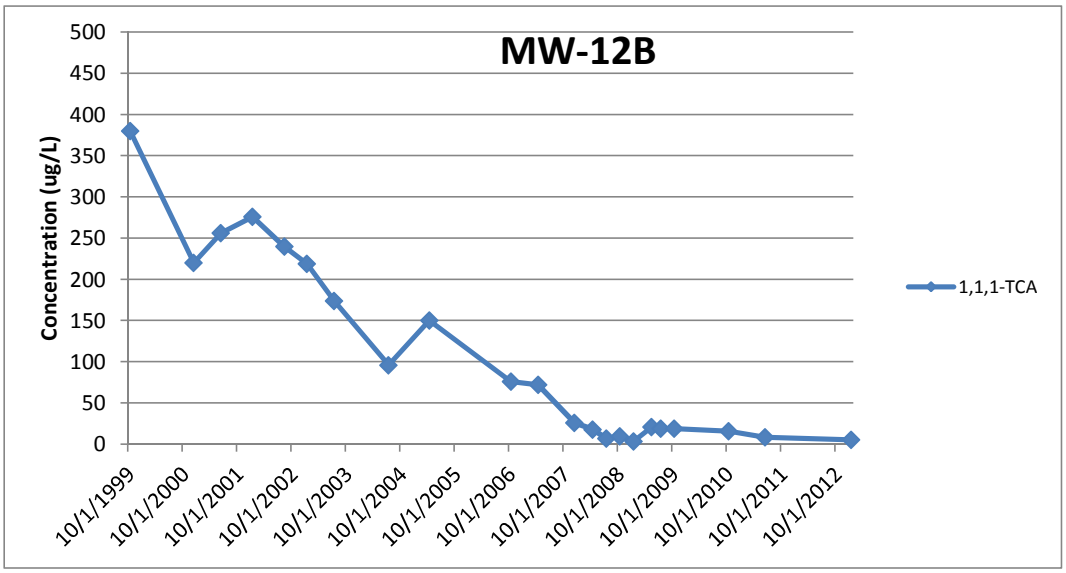


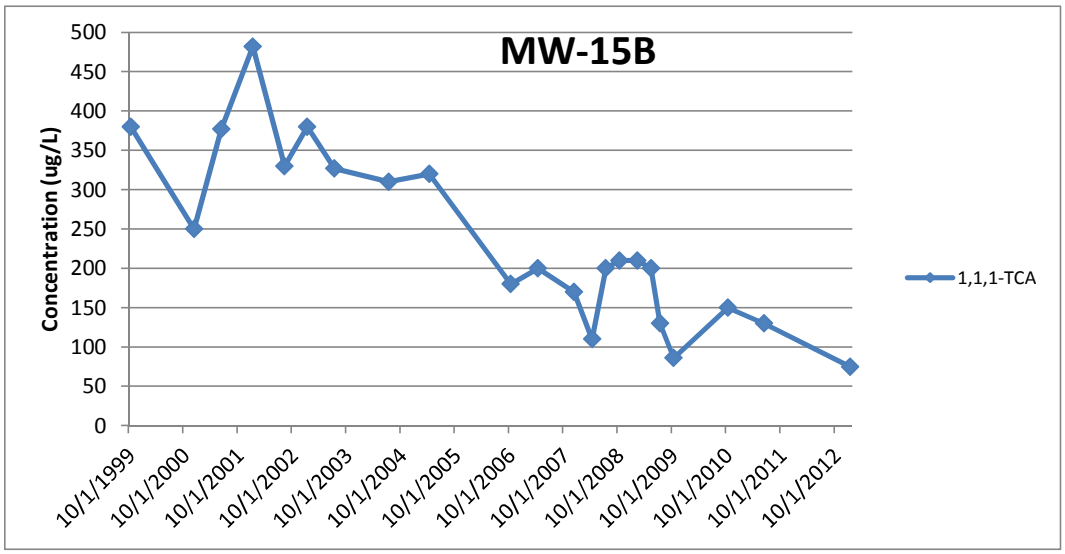


Note: Y-axis scale for MW-11C differs due to concentration orders of magnitude

Mohonk Road Industrial Plant Superfund Site
Mid-Plume Well Trend Graphs

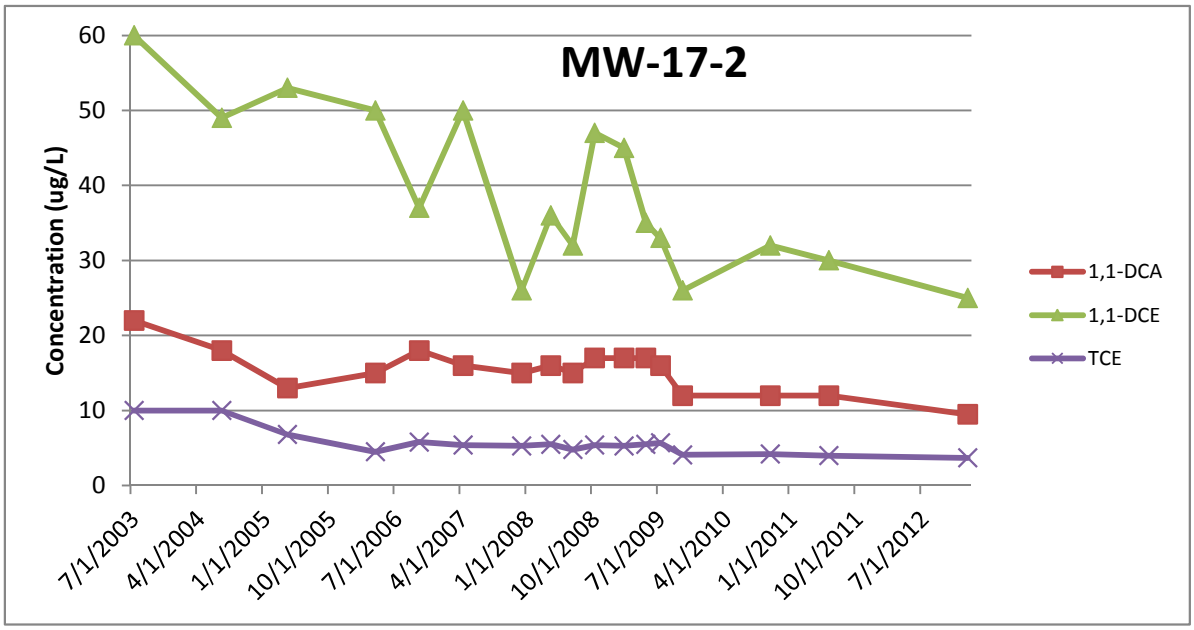


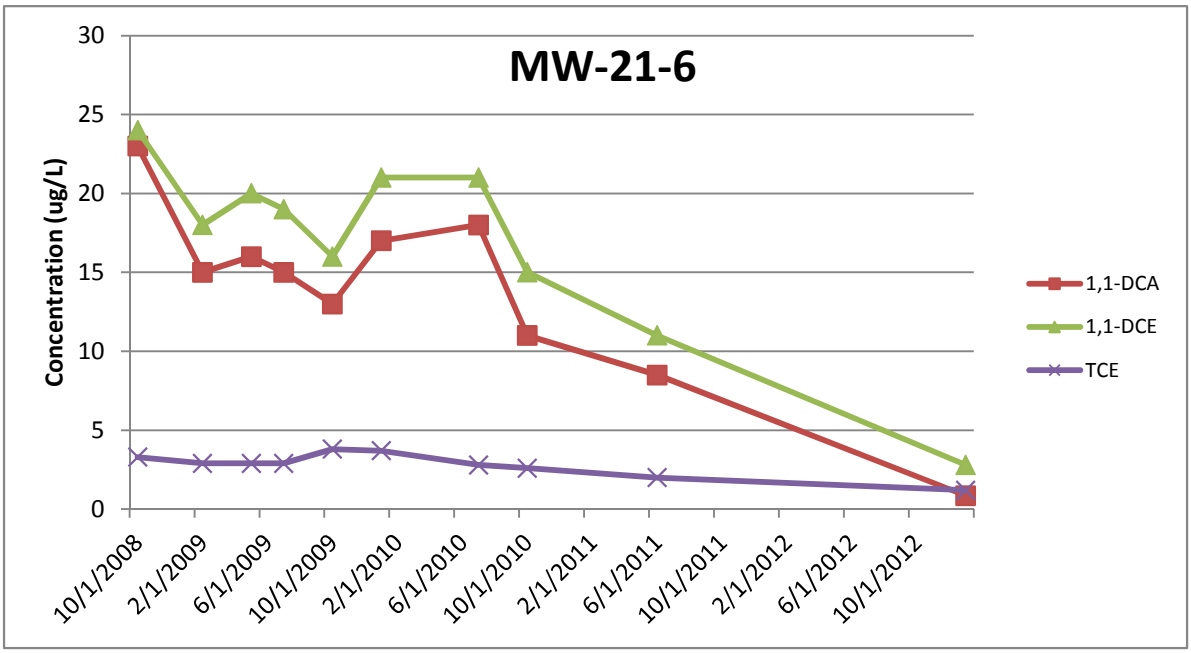




Note: Y-axis scale for MW-11C differs due to concentration orders of magnitude

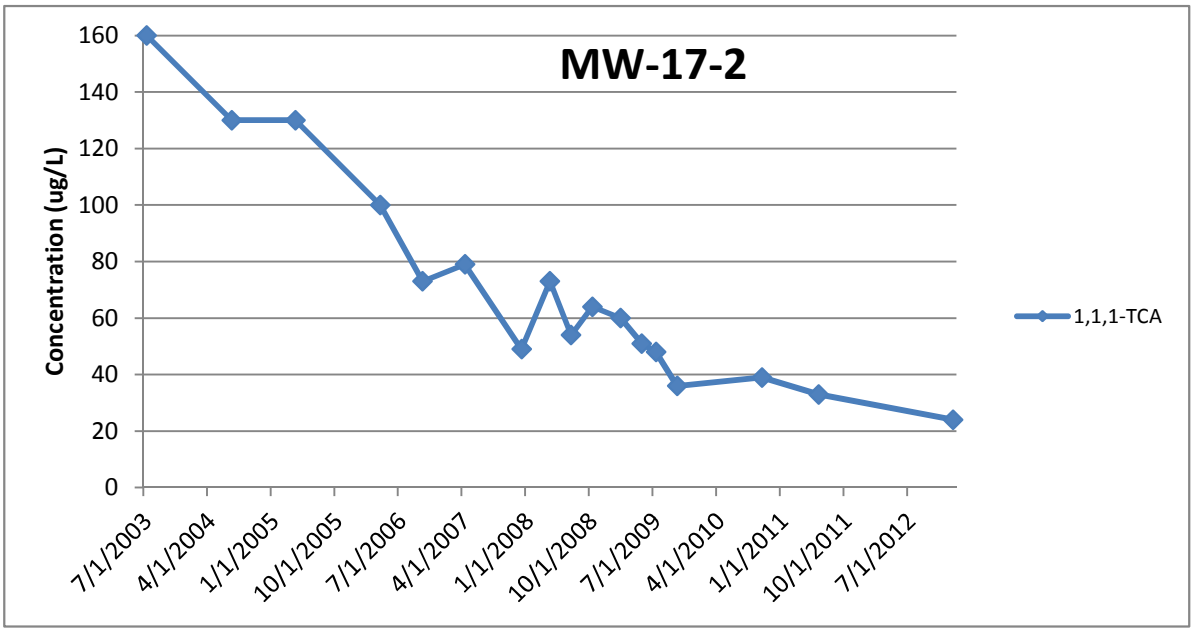
Mohonk Road Industrial Plant Superfund Site
Farfield Plume Well Trend Graphs

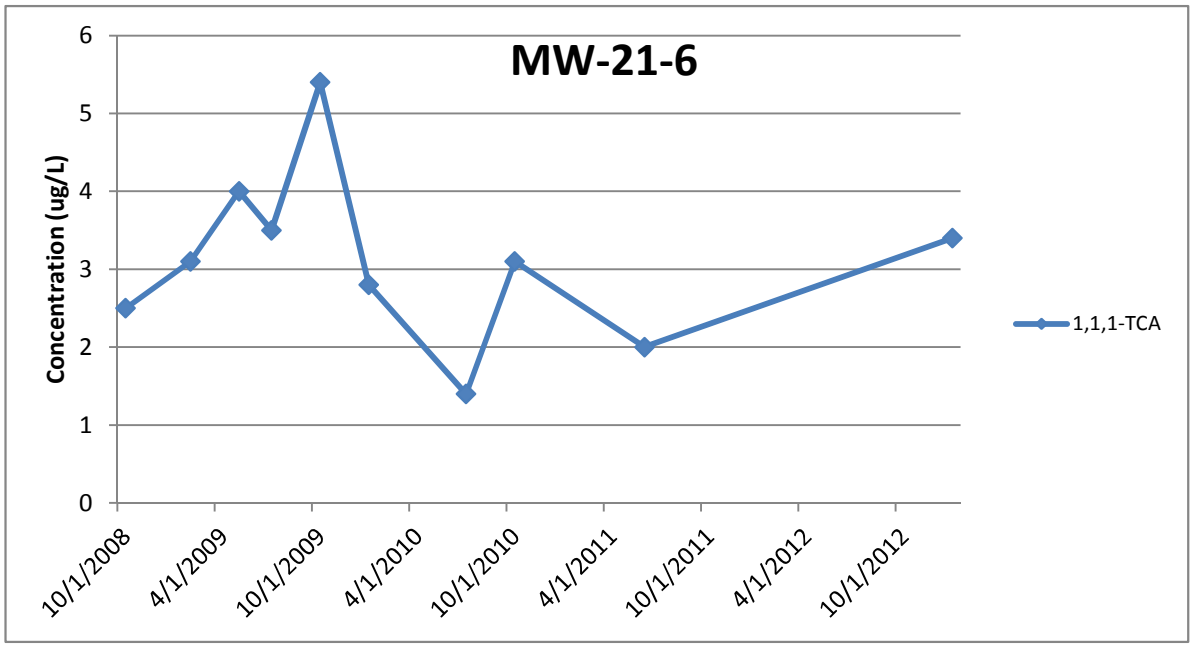




Note: X-axis (date) scales differ due to well installation dates (2003 for MW-17, 2008 for MW-21)
Y-axis scale differs due to concentration orders of magnitude

Mohonk Road Industrial Plant Superfund Site
Farfield Plume Well Trend Graphs





Note: X-axis (date) scales differ due to well installation dates (2003 for MW-17, 2008 for MW-21)
Y-axis scale differs due to concentration orders of magnitude