Glenn Springs Holdings, Inc.

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July 13, 2015

Mr. Mike Negrelli
Emergency and Remedial Response Division
United States Environmental Protection Agency - Region II
290 Broadway, 20th Floor
New York, NY 10007-1866

Dear Mr. Negrelli:

Re: Quarterly Report – Second Quarter 2015 (April through June)
Administrative Orders Hooker Chemical/Ruco Polymer Corporation Site
Index Nos. II-CERCLA-80216, II-CERCLA-94-0210, and II-CERCLA-02-2001-2018

This submittal provides the Quarterly Progress Report covering April through June 2015 for the Hooker/Ruco Site in Hicksville, New York. This Report covers OU-1, OU-2, and OU-3. Please note that the next Quarterly Progress Report will be submitted by October 15, 2015 and will cover July through September 2015. A listing of the primary activities is provided in Table 1.

Quarterly Progress Report

The following activities were performed during the period April through June 2015:

- The Quarterly Progress Report for the time period January through March 2015 was submitted to the USEPA on April 9, 2015.

Operable Unit 1 (On-Site Soil)

All work has been successfully completed. OU-1 is closed.

Operable Unit 2 (Soils Impacted by On-Site Release of PCBs)

All work has been successfully completed. OU-2 is closed.

Operable Unit 3 (Off-Site Groundwater)

Supplemental Treatment System

i. Operation and monitoring of the GP-1/GP-3R supplemental air treatment system continued.

ii. The carbon bed was changed out on April 8, 2015.

Biosparge System

See Figures 1 and 2 for system layout and Figures 3 and 4 for system cross-sections. Also shown on Figures 1 and 2 are the most recent VCM groundwater concentrations.

During the reporting period, air injection was temporarily suspended during sample collection in April for the first semi-annual 2015 biosparge system performance monitoring event. Air was injected into all north fence wells and all middle fence injection wells in May and June except for IW-16D1, IW-17D1 (May) and IW-17D2 (May), IW-18D1, IW-18D2, IW-19D1, IW-19D2, and IW-22D2. The cause for the interruption to air delivery in IW-17 was determined to be faulty Ethernet cables. The cables were cleaned in May and air injection restarted in early June. With regard to the remaining non-functional middle fence injection wells, it is believed that there are physical impairments in these wells. It is also believed that air injection into these wells is not essential because air is being injected into the air injection wells immediately adjacent to and above these injection points and the dissolved oxygen (DO) concentrations in the nearby wells are greater than the target level of 2.0 micrograms per liter (mg/L) and VCM concentrations continue to decrease or remain low level.

Samplers for the April 2015 semi-annual performance monitoring event were inserted between April 6 and 9 and were retrieved between April 22 and 24, except for wells MW-63S and MW-63I. The samplers for these two wells were inserted on April 22 and retrieved on May 8. The analytical results and QA/QC review are attached. The EDD will be provided once notification is received from the EPA that the EDD format update to Equis6 is completed.

The annual backflow preventer test report was submitted to the Hicksville Water District on April 29. The preventer passed the test.

Summary of Biosparge System

The DO, total volatile organic compounds (TVOC), and VCM concentration trends for the individual groundwater monitoring wells around the biosparge injection system are shown on Figures 5 through 25. To date, the results show that the biosparge system is operating successfully as demonstrated by the following:

i. DO levels in the groundwater are greater than the target concentration of 2 milligrams per liter (mg/L) in all of the 38 monitoring wells as measured in April/May 2015 (see Table 2).

ii. Groundwater VCM concentrations are non-detect, low level, or decreased between the October 2014 and April 2015 performance monitoring events in all of the 43 monitoring wells for the biosparge system as a result of the microbial biodegradation processes.

The VCM concentrations along the west edge of the VCM subplume between the north fence and the middle fence held relatively constant from October 2014 (4 μg/L) to April 2015 (5 μg/L) in MW-63 and decreased from 110 to 33 μg/L in well nest MW-86.

The VCM concentrations along the east edge of the VCM subplume down gradient of the middle fence held constant at 7 μg/L in well nest MW-89 and were non-detect in well nest MW-85 for both the October 2014 and April 2015 monitoring events.

All of the above indicate that the extent of the VCM subplume is becoming smaller and the VCM concentrations therein are decreasing.

Well Conditions Update

The operational status of the injection and monitoring wells for the biosparge system were checked during the April monitoring event. The operational status of the wells is presented in Table 3. Also presented in Table 3 are the planned actions for wells that are not functional. The procedure for those wells which may be abandoned in the future is to fill the monitoring well screen and riser with bentonite/cement grout to within 5 feet of the ground surface using tremie methods. The upper 5 feet of the well will be removed and disposed in a sanitary landfill and the excavation backfilled with sand (vegetated area) and/or gravel (paved area) with the upper 6 inches backfilled with materials consistent with the adjacent surface material. Table 3 will be updated using observations obtained during the April 2016 sampling event.

Planned Second Quarter 2015 Activities

The following activities are planned for the second quarter of 2015:

i. Continue operation and monitoring of the GP-1/GP-3R supplemental air treatment system.

ii. Change-out of the supplemental system carbon bed is scheduled July 2, 2015.

Should you have any questions on the above, please do not hesitate to contact me at (972) 687-7516 or e-mail at Roger_Smith@oxy.com.

Yours sincerely,

Roger Smith
Senior Project Manager

KDS/mg/006883/10
Encl.

cc: P. Mannino (USEPA)
M.E. Wieder (USEPA)
S. Scharf (NYSDEC-PDF on CD)
S. Krall (Bayer)
T. Kelly (Nassau County)
J. Kay (GHD)

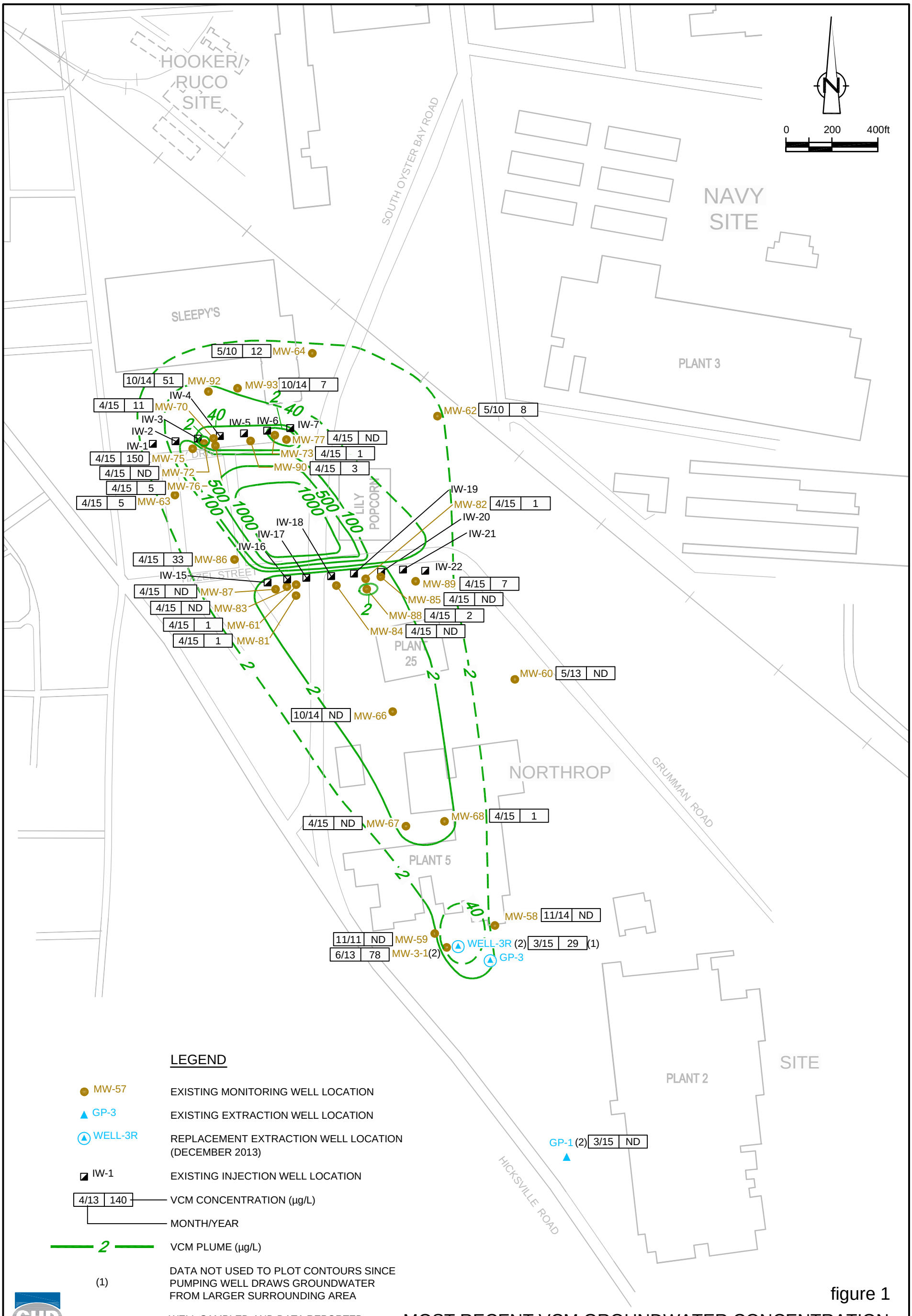

figure 1

MOST RECENT VCM GROUNDWATER CONCENTRATION

Hooker/Ruco Site, Hicksville, New York

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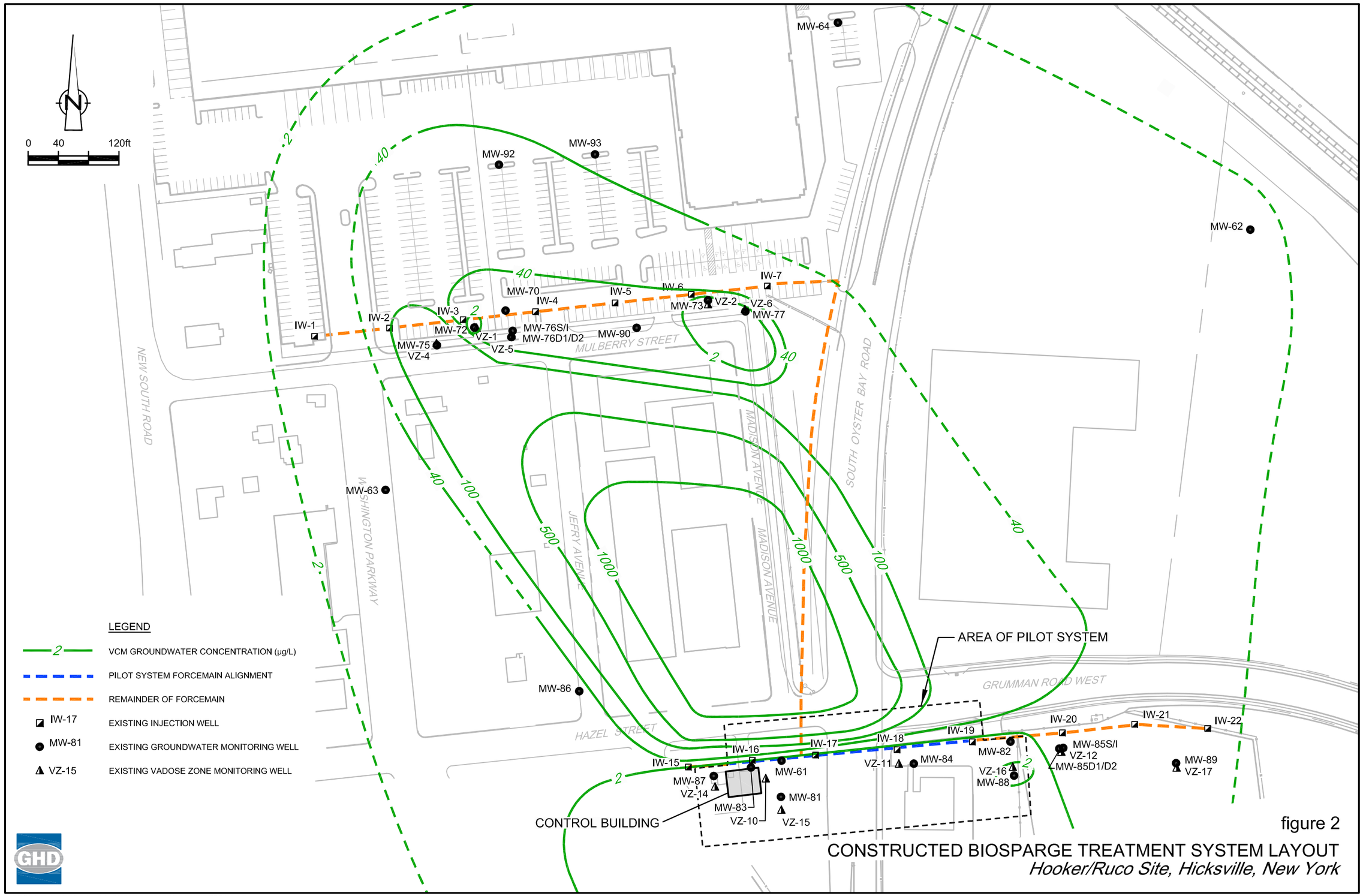

figure 2

CONSTRUCTED BIOSPARGE TREATMENT SYSTEM LAYOUT

Hooker/Ruco Site, Hicksville, New York

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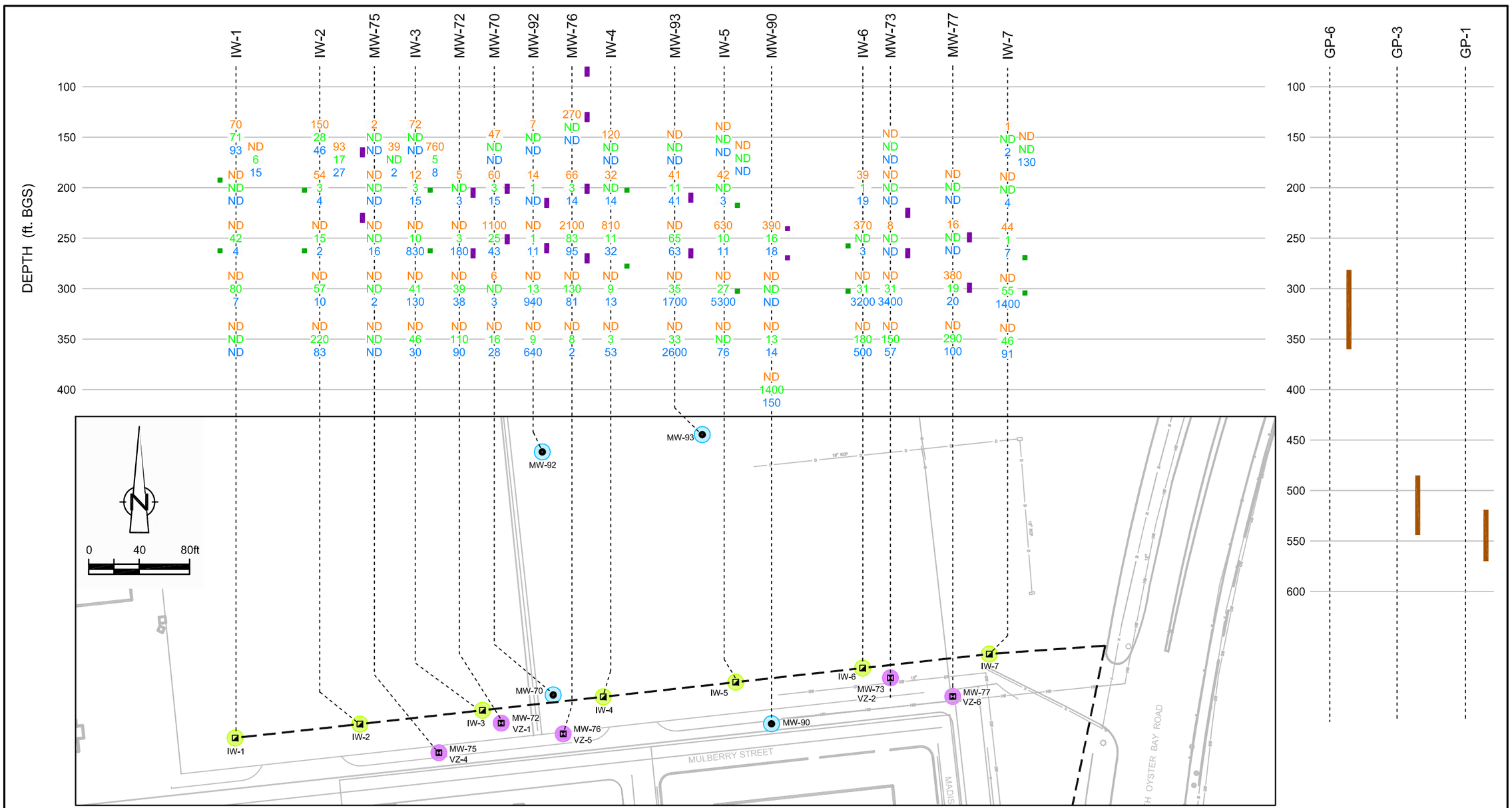


LEGEND

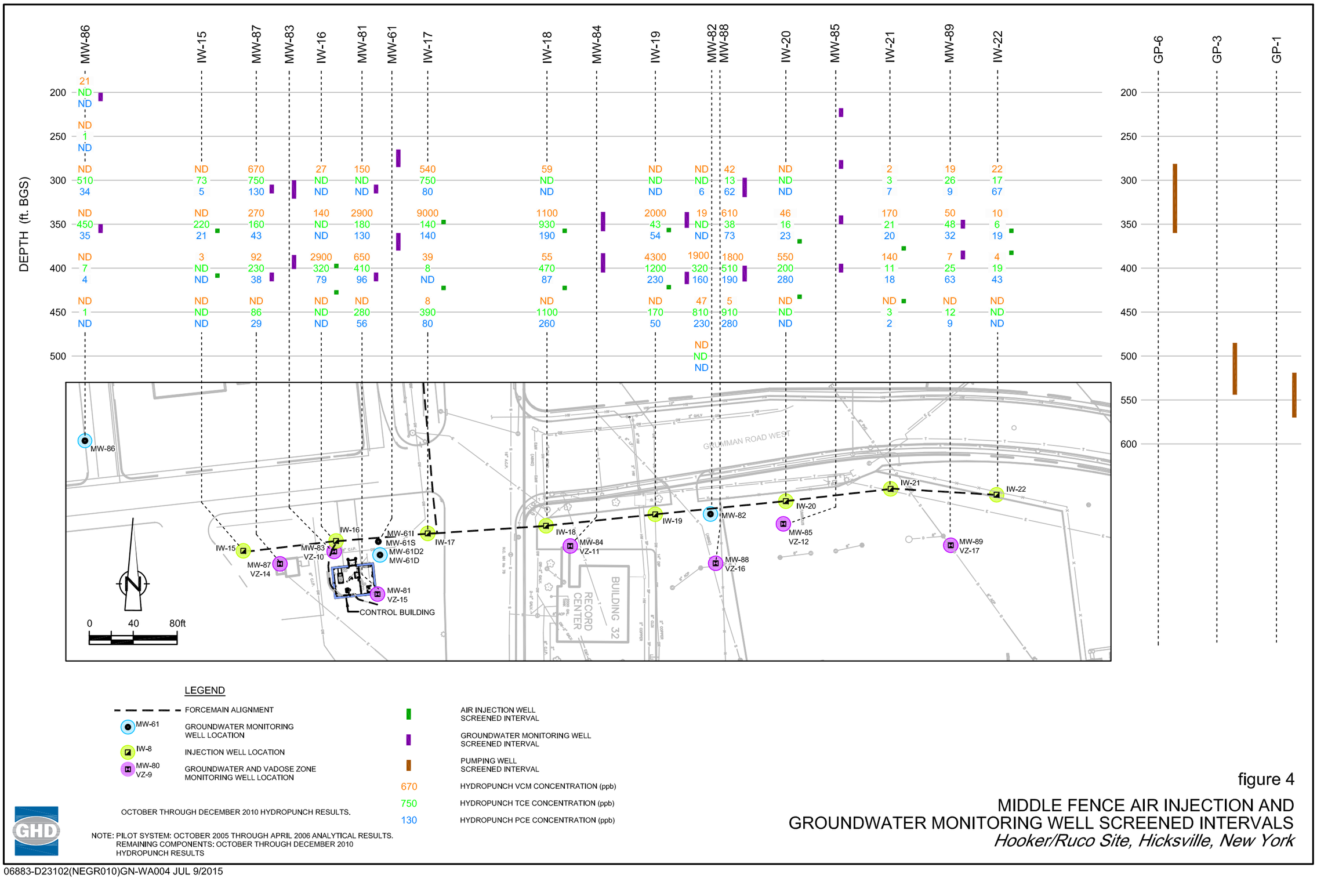
- FORCEMAIN ALIGNMENT
- MW-90 — GROUNDWATER MONITORING WELL LOCATION
- IW-4 — INJECTION WELL LOCATION
- MW-76 VZ-5 — GROUNDWATER AND VADOSE ZONE MONITORING WELL LOCATION
- AIR INJECTION WELL SCREENED INTERVAL
- GROUNDWATER MONITORING WELL SCREENED INTERVAL
- PUMPING WELL SCREENED INTERVAL
- 670 — HYDROPUNCH VCM CONCENTRATION (ppb)
- 750 — HYDROPUNCH TCE CONCENTRATION (ppb)
- 130 — HYDROPUNCH PCE CONCENTRATION (ppb)

NOTE: FEBRUARY THROUGH MARCH, 2011 HYDROPUNCH RESULTS

figure 3

NORTH FENCE AIR INJECTION AND GROUNDWATER MONITORING WELL SCREENED INTERVALS

Hooker/Ruco Site, Hicksville, New York



LEGEND

- FORCEMAIN ALIGNMENT
- MW-61 — GROUNDWATER MONITORING WELL LOCATION
- IW-8 — INJECTION WELL LOCATION
- MW-80 VZ-9 — GROUNDWATER AND VADOSE ZONE MONITORING WELL LOCATION

- AIR INJECTION WELL SCREENED INTERVAL
- GROUNDWATER MONITORING WELL SCREENED INTERVAL
- PUMPING WELL SCREENED INTERVAL
- 670 — HYDROPUNCH VCM CONCENTRATION (ppb)
- 750 — HYDROPUNCH TCE CONCENTRATION (ppb)
- 130 — HYDROPUNCH PCE CONCENTRATION (ppb)

OCTOBER THROUGH DECEMBER 2010 HYDROPUNCH RESULTS.

NOTE: PILOT SYSTEM: OCTOBER 2005 THROUGH APRIL 2006 ANALYTICAL RESULTS.
REMAINING COMPONENTS: OCTOBER THROUGH DECEMBER 2010 HYDROPUNCH RESULTS

figure 4

MIDDLE FENCE AIR INJECTION AND GROUNDWATER MONITORING WELL SCREENED INTERVALS

Hooker/Ruco Site, Hicksville, New York

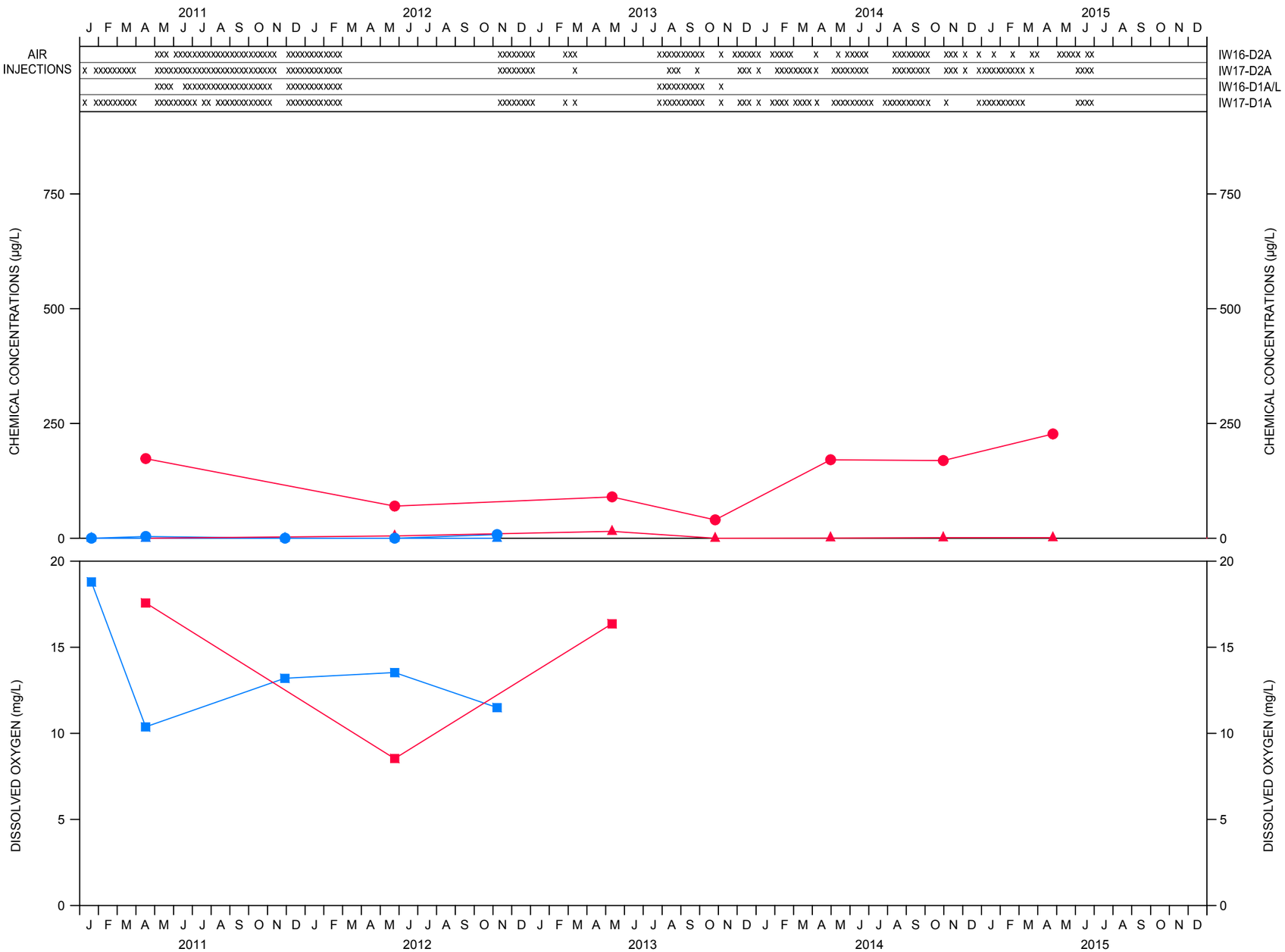


figure 5

WELL NEST MW-61
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

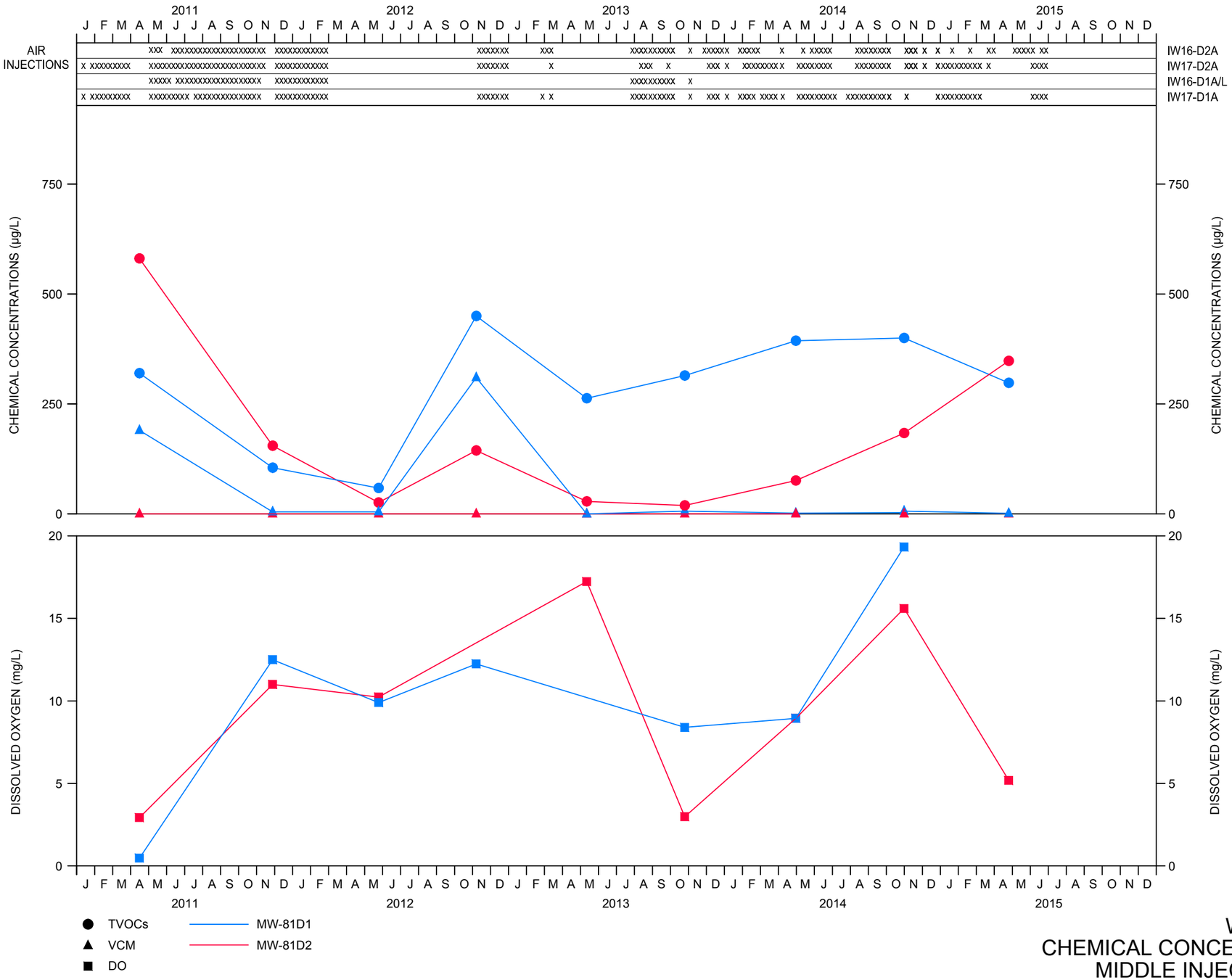


figure 6

WELL NEST MW-81
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

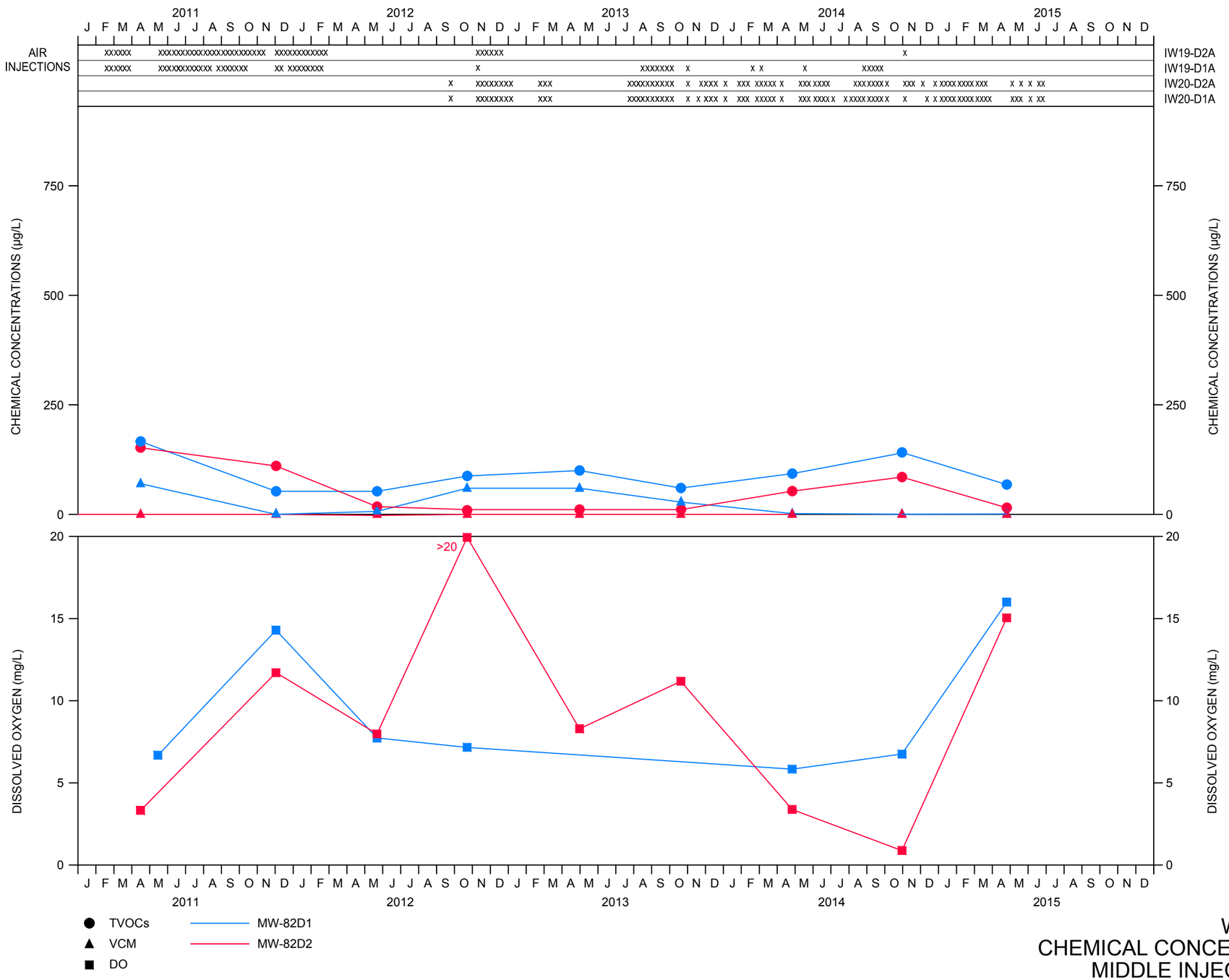


figure 7

WELL NEST MW-82
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

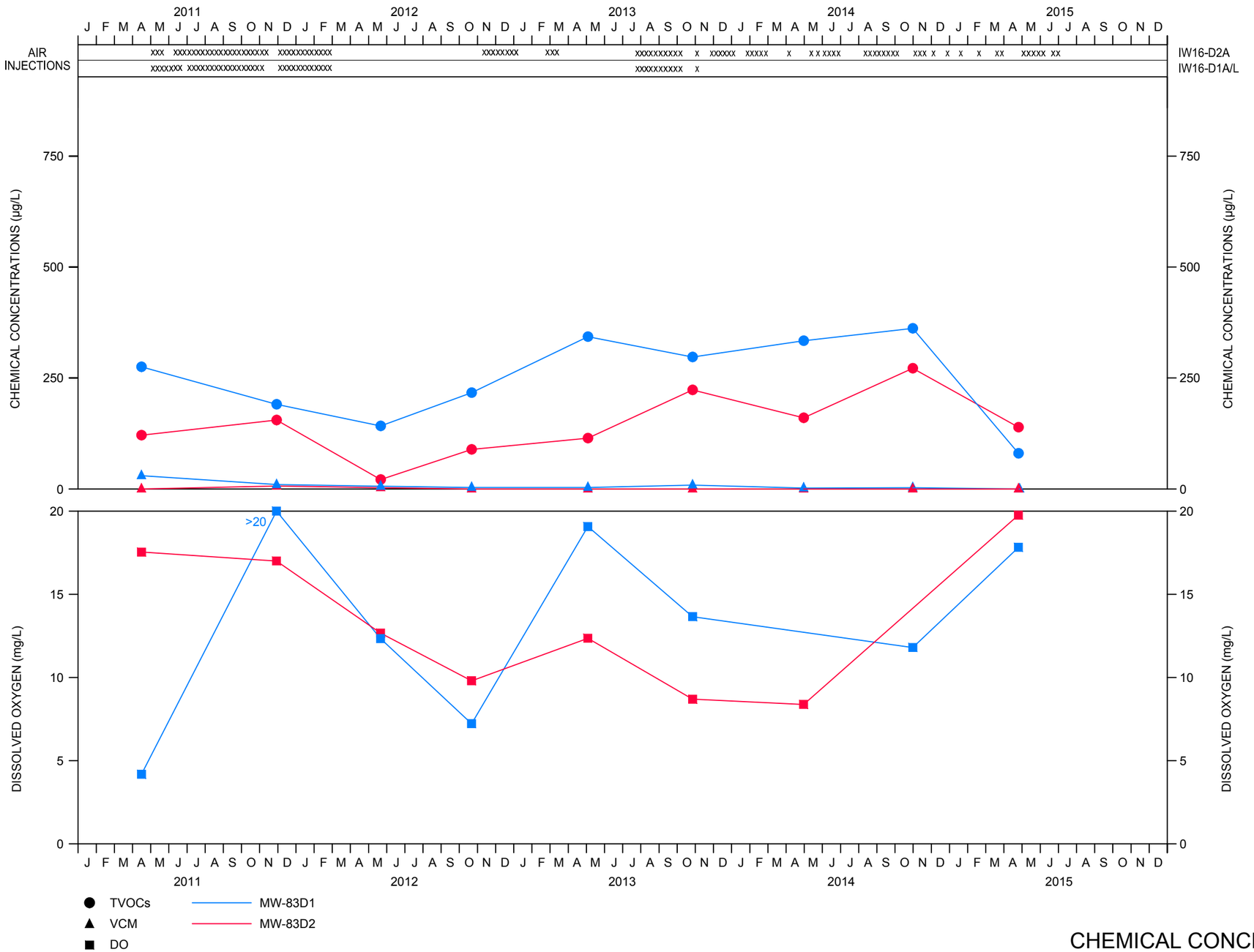


figure 8

WELL NEST MW-83
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

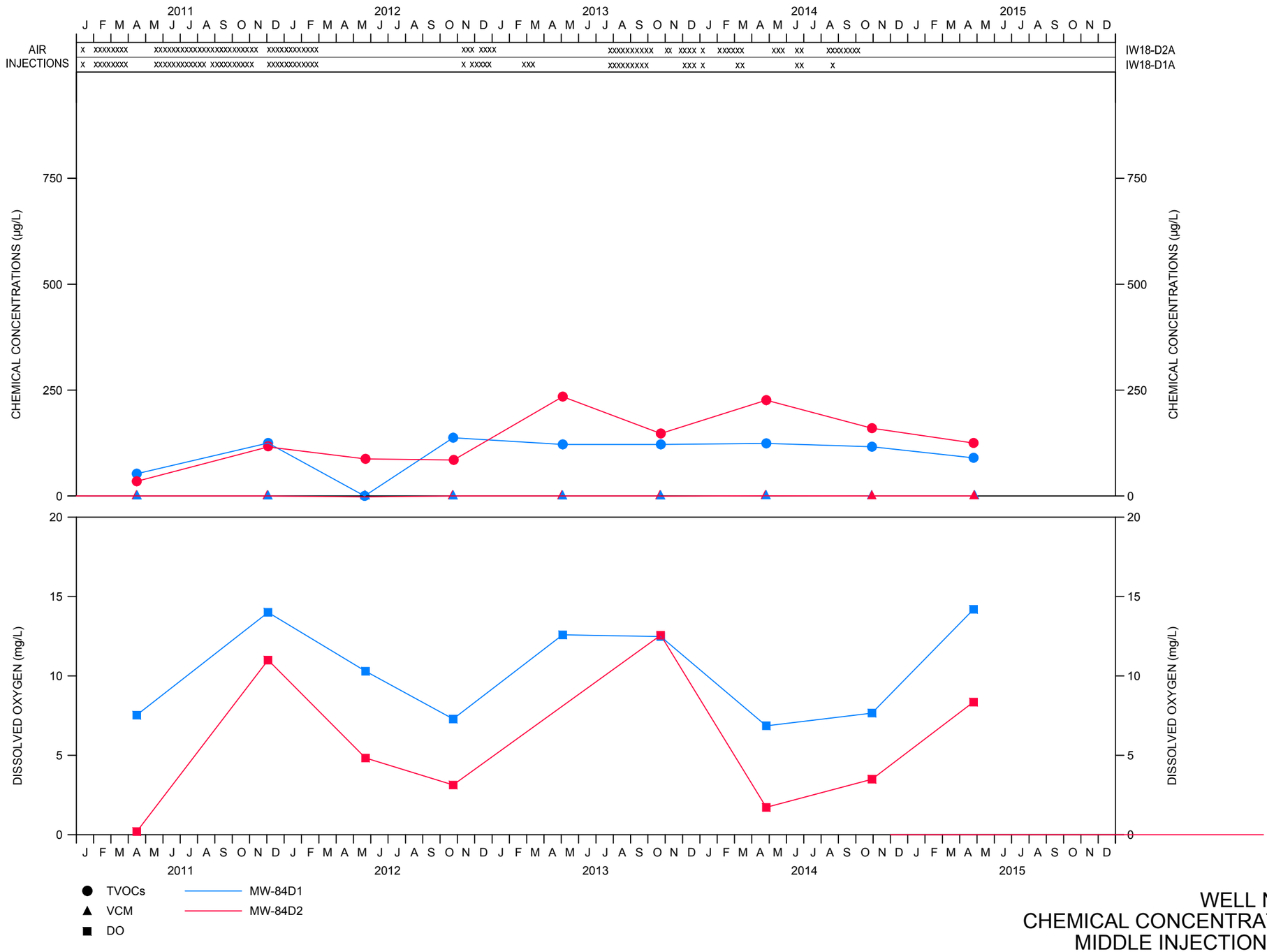


figure 9

WELL NEST MW-84
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

GHD

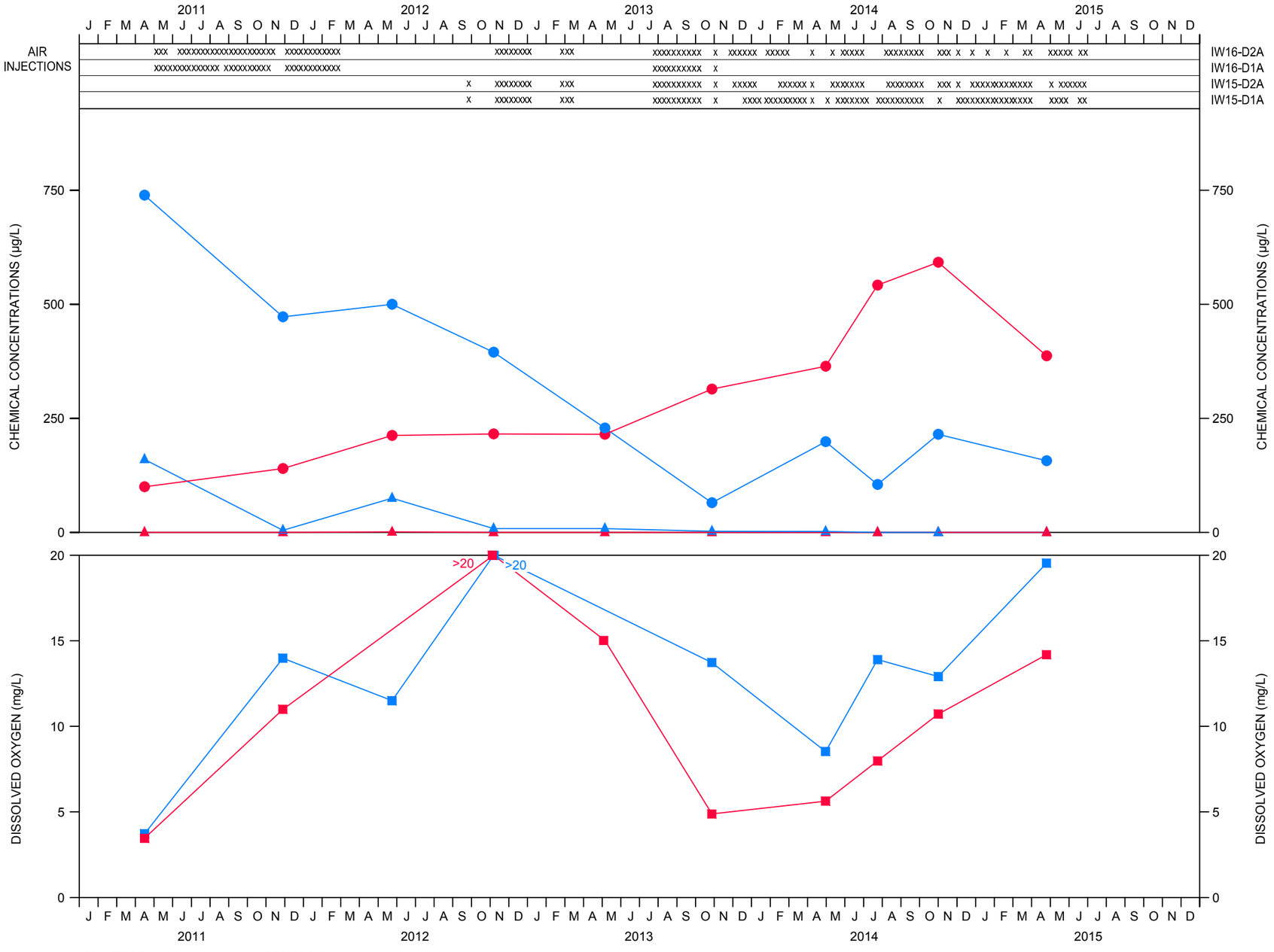


figure 10

WELL NEST MW-87
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

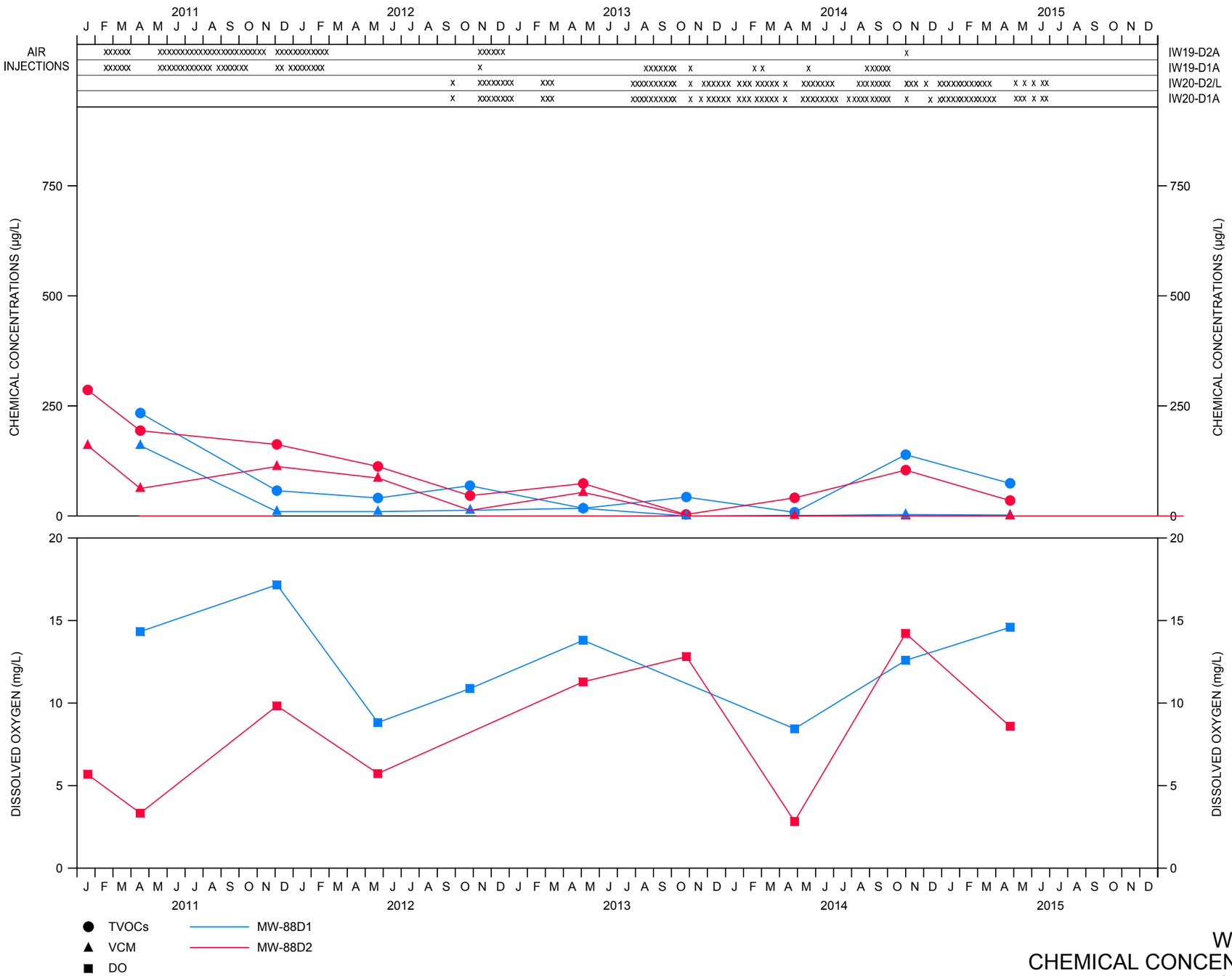


figure 11

WELL NEST MW-88
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

GHD

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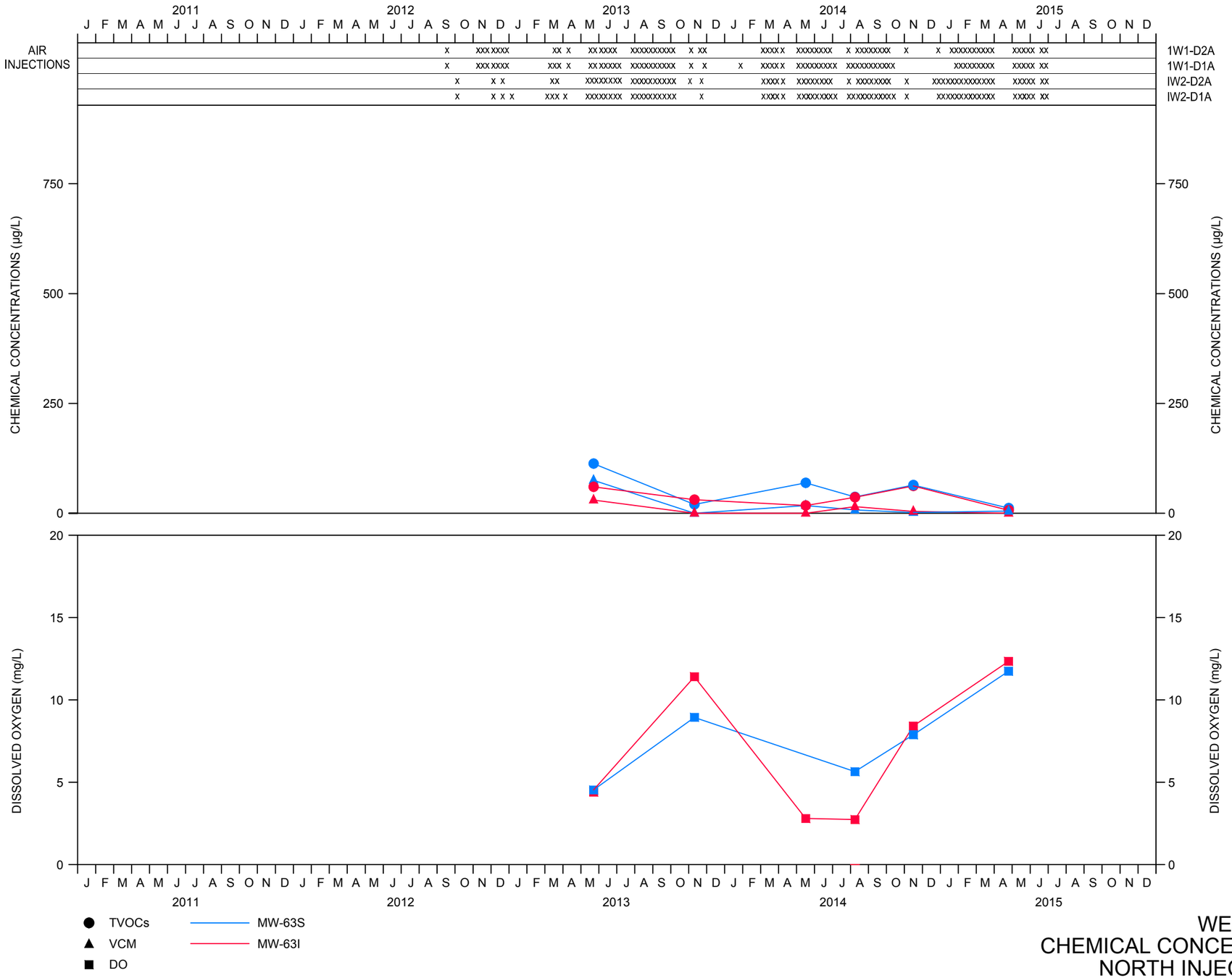

figure 12

WELL NEST MW-63S/I
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

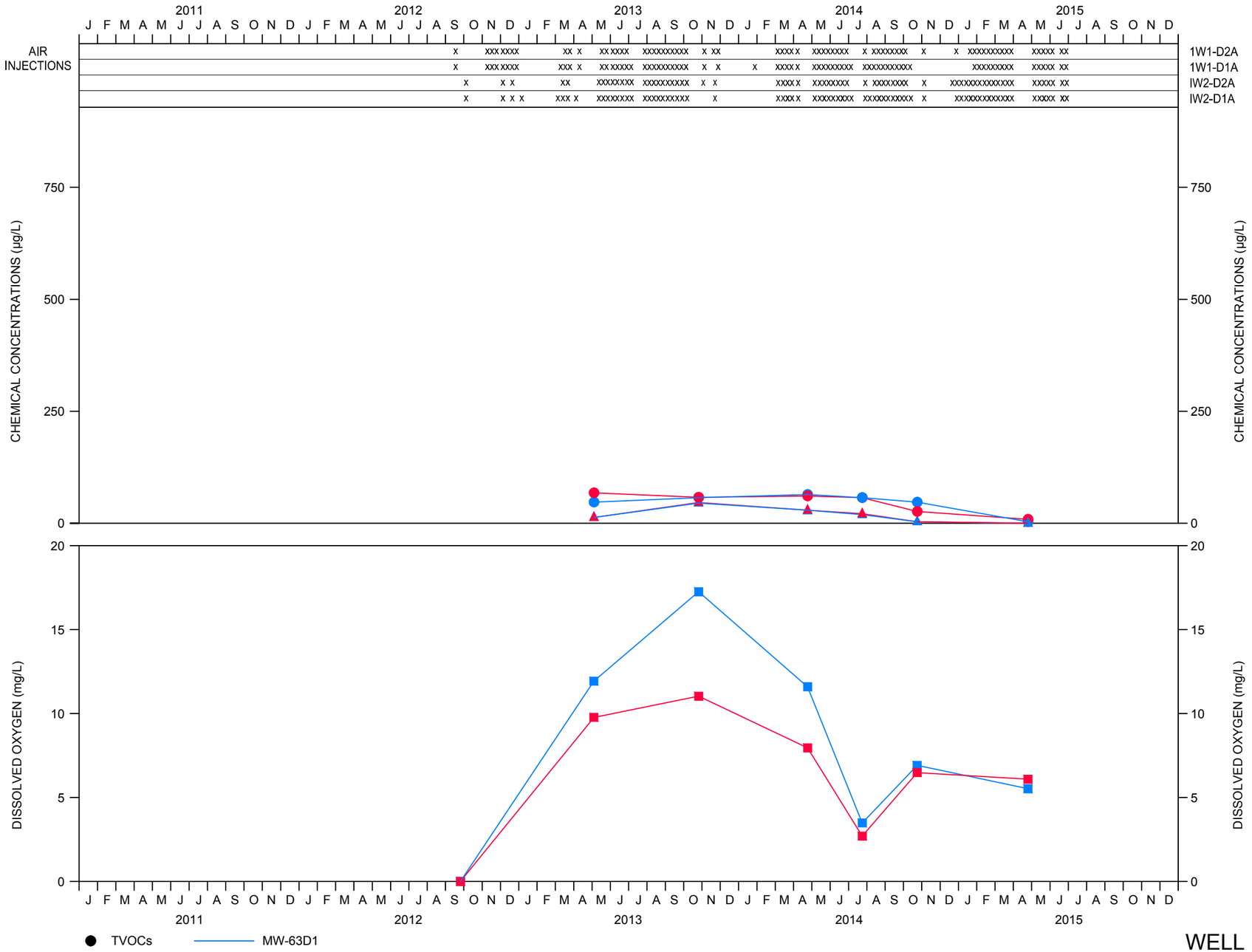

figure 13

WELL NEST MW-63D1/D2
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

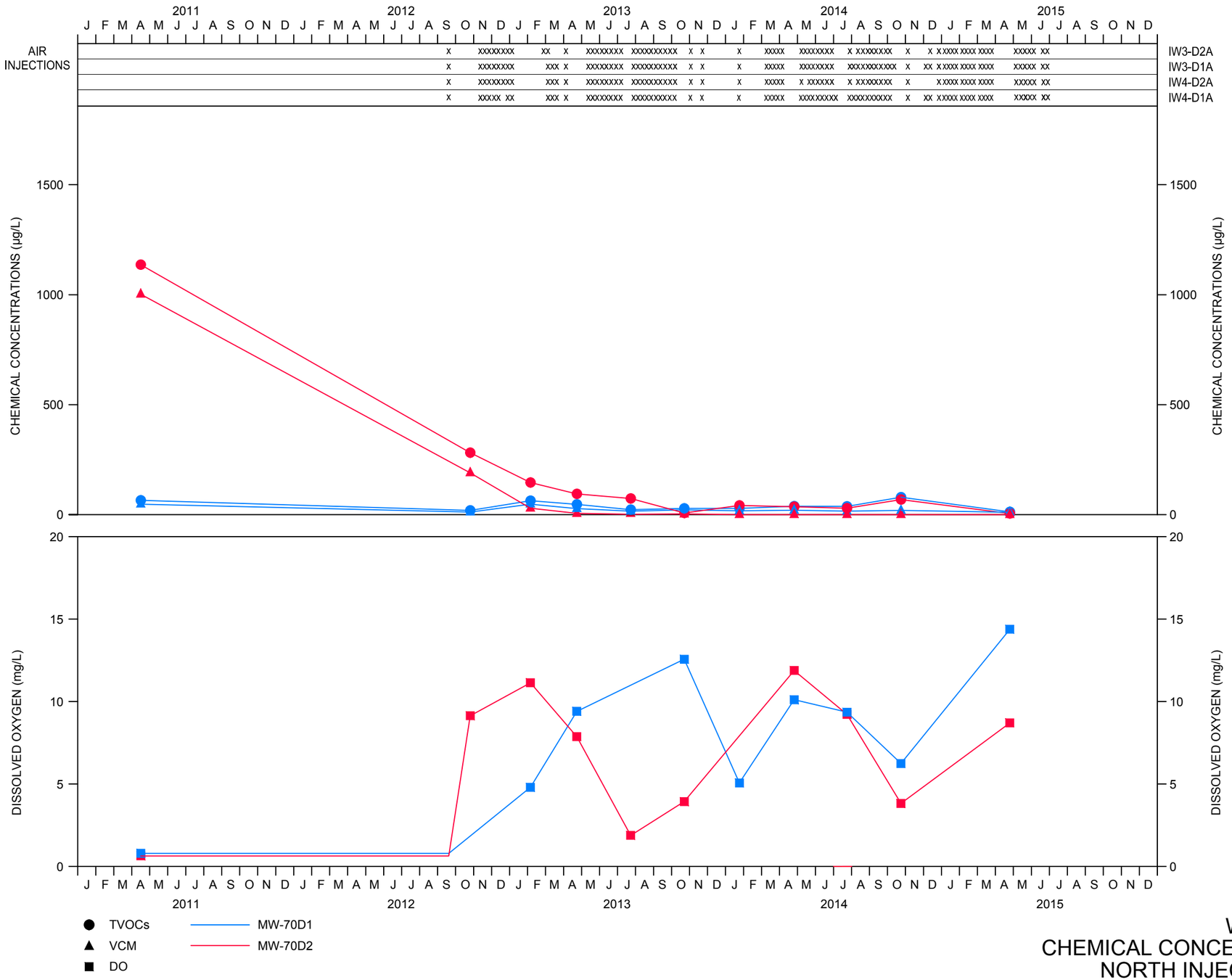

figure 14

WELL NEST MW-70
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

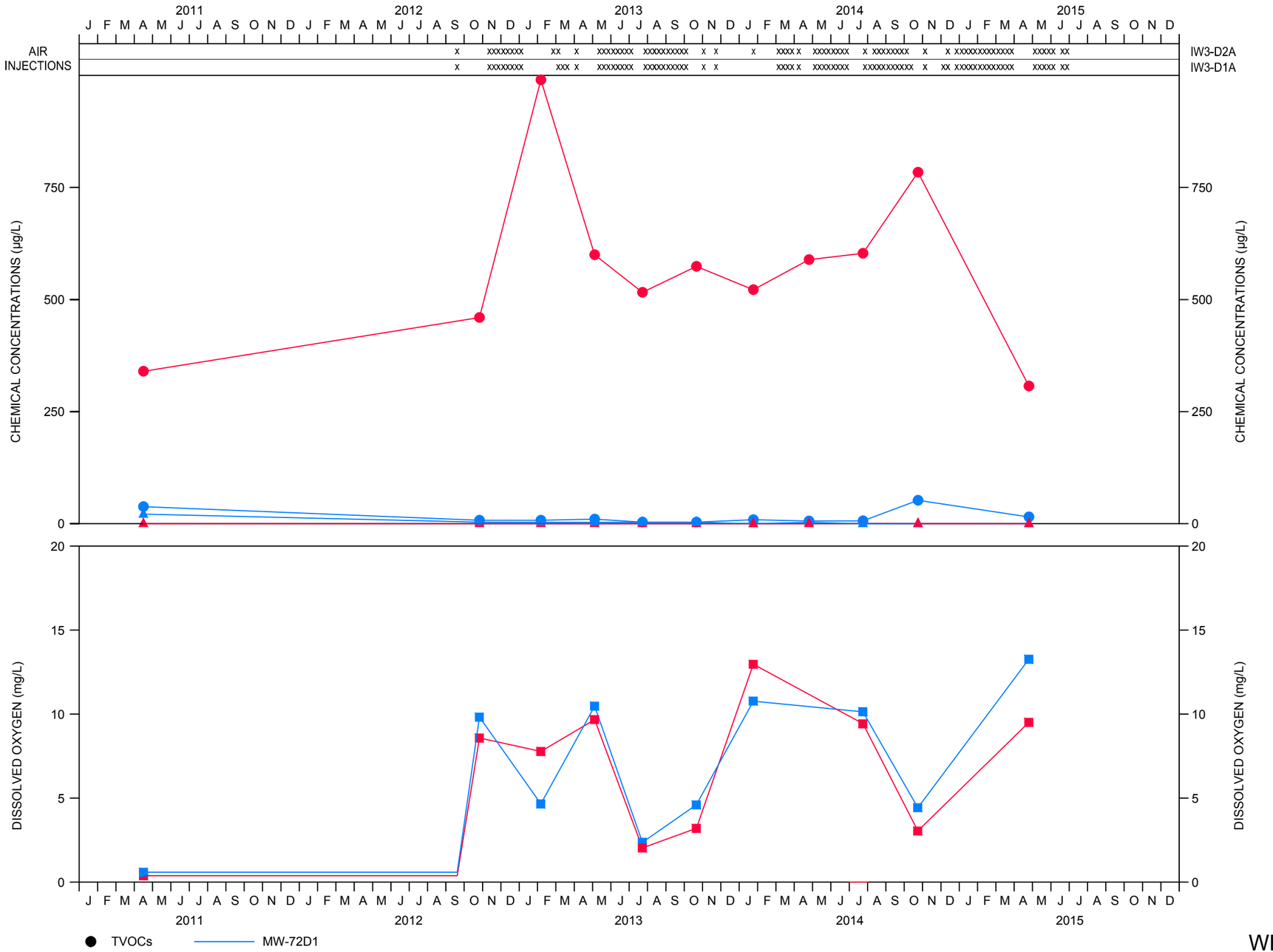

figure 15

WELL NEST MW-72
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

GHD

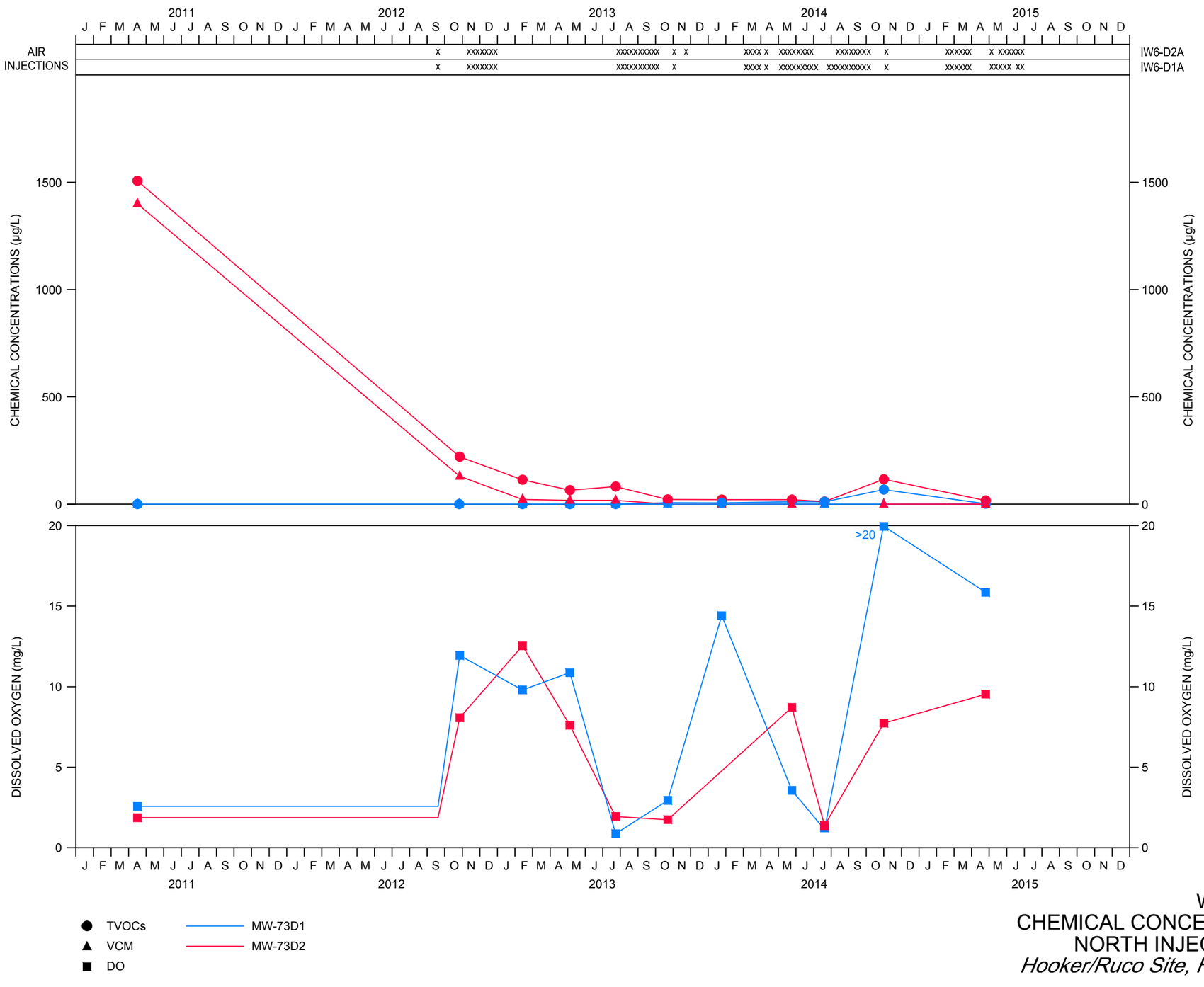

figure 16

WELL NEST MW-73
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

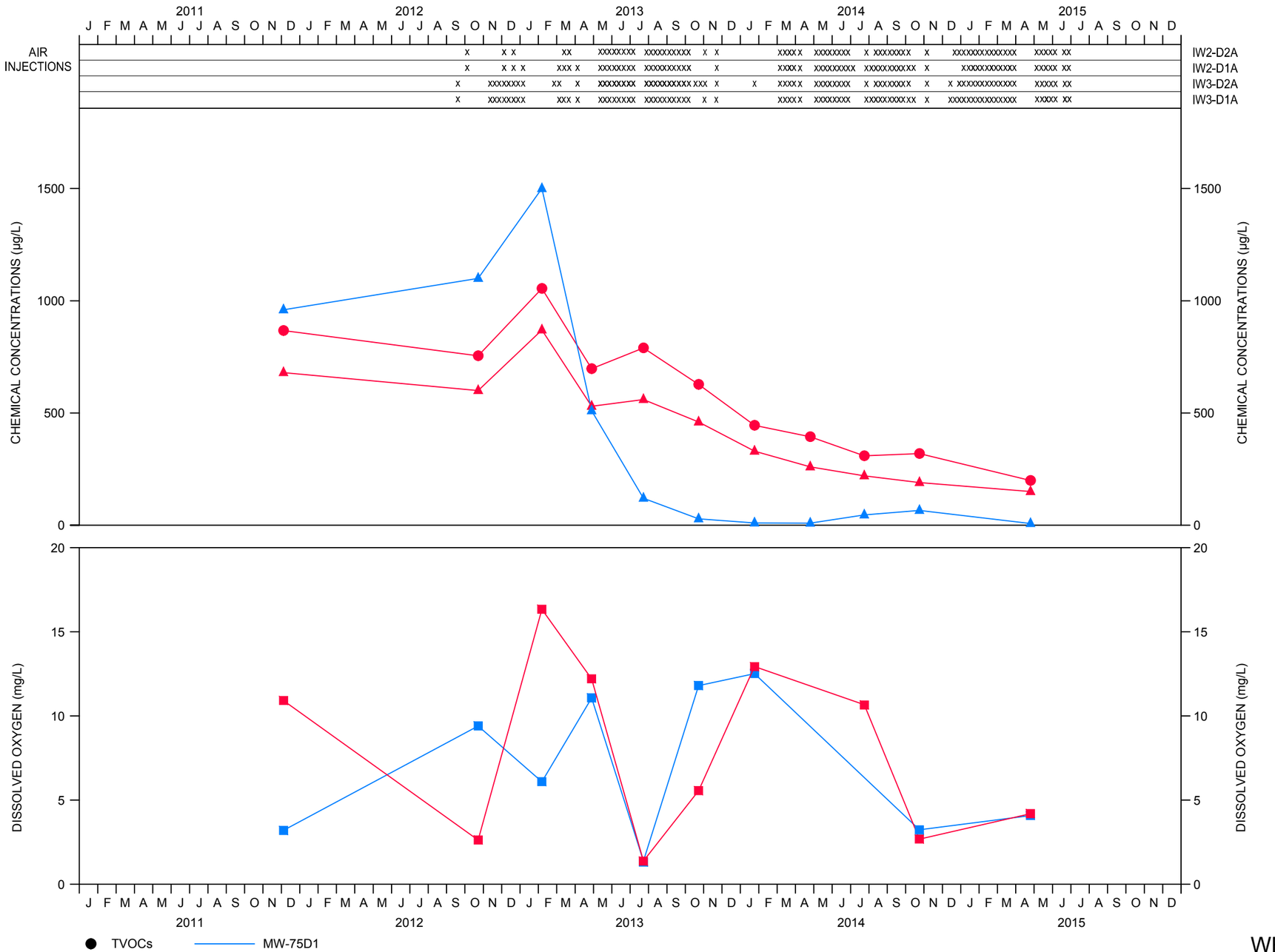

figure 17

WELL NEST MW-75
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

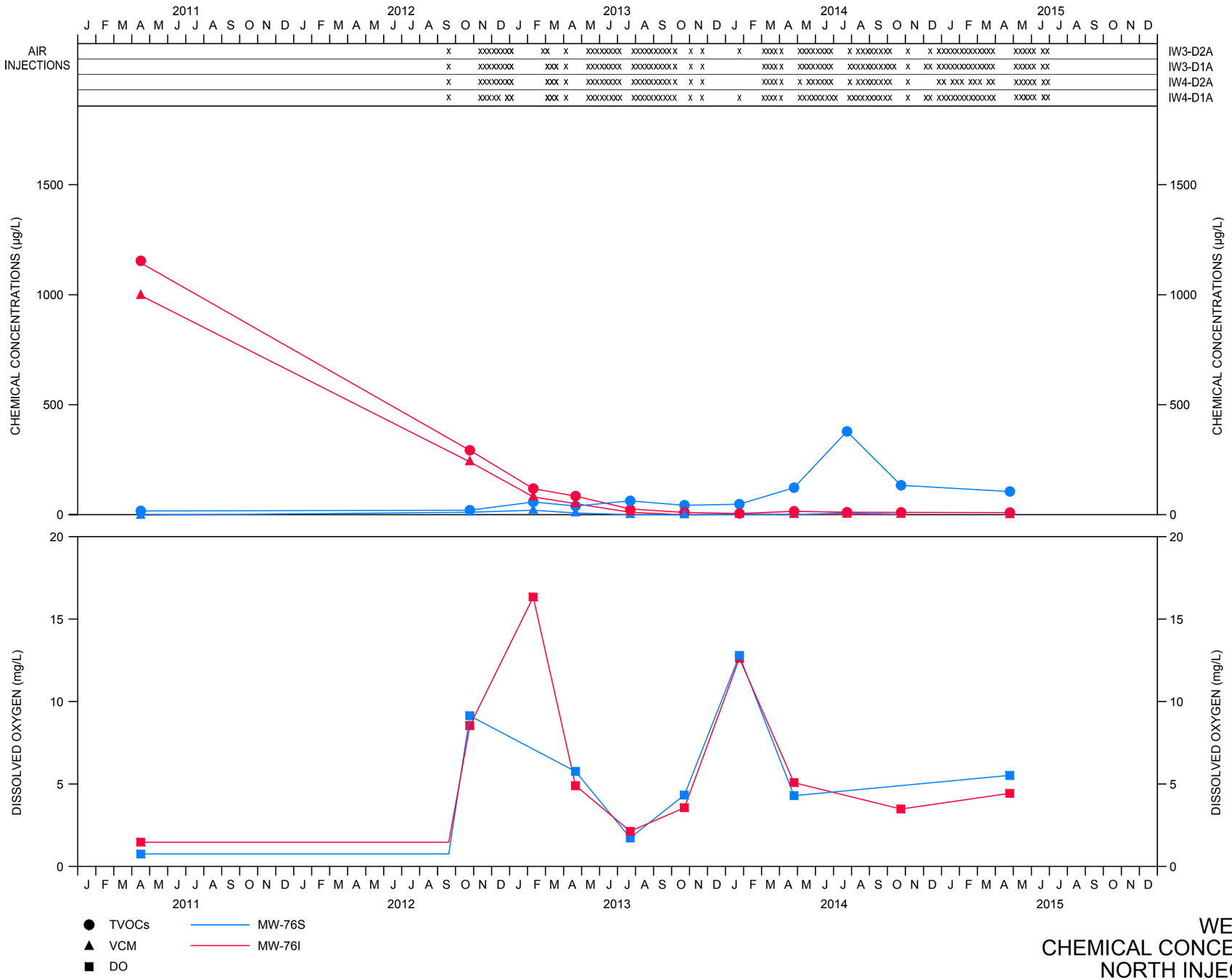

figure 18

WELL NEST MW-76S/I
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

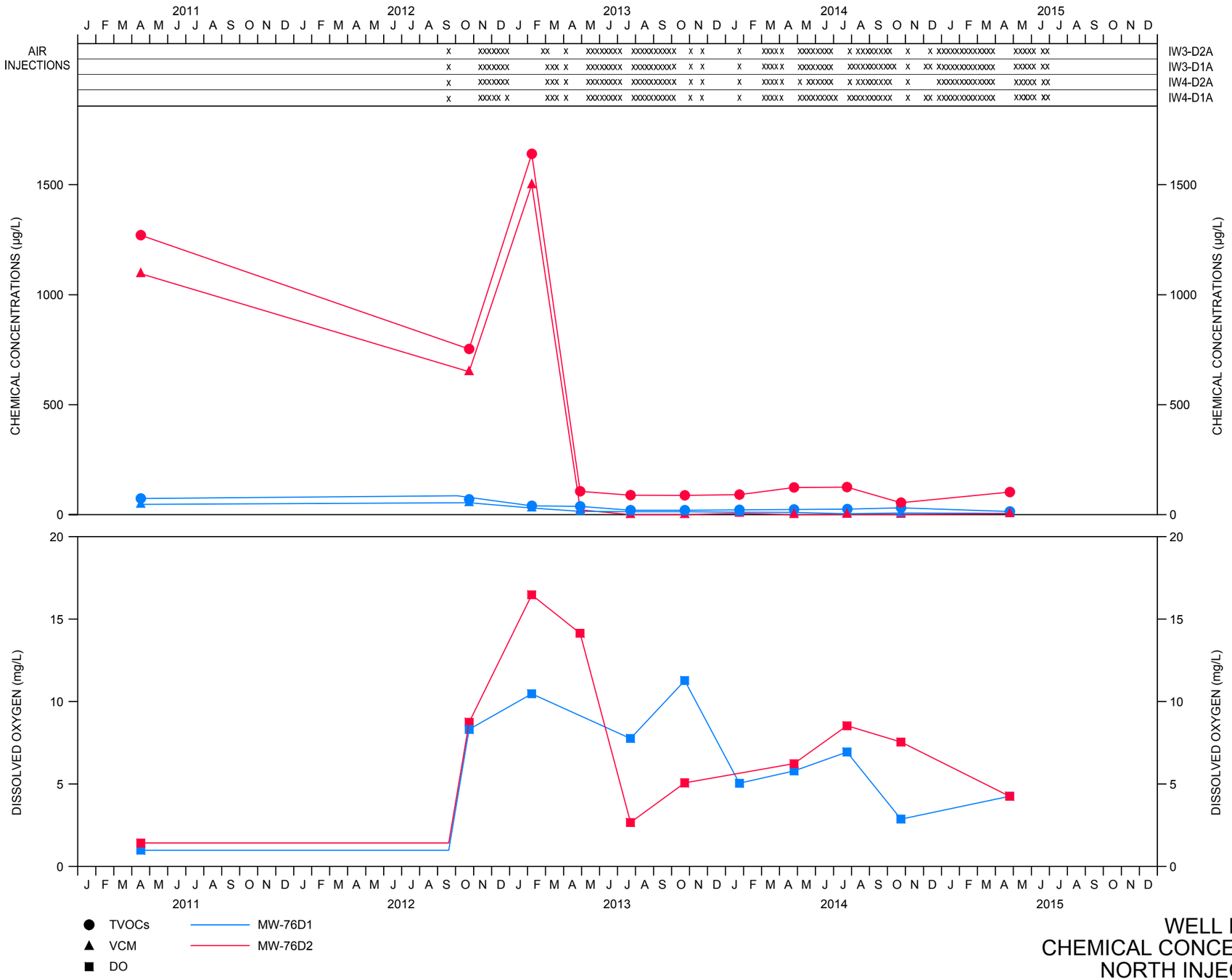

figure 19

WELL NEST MW-76D1/D2
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

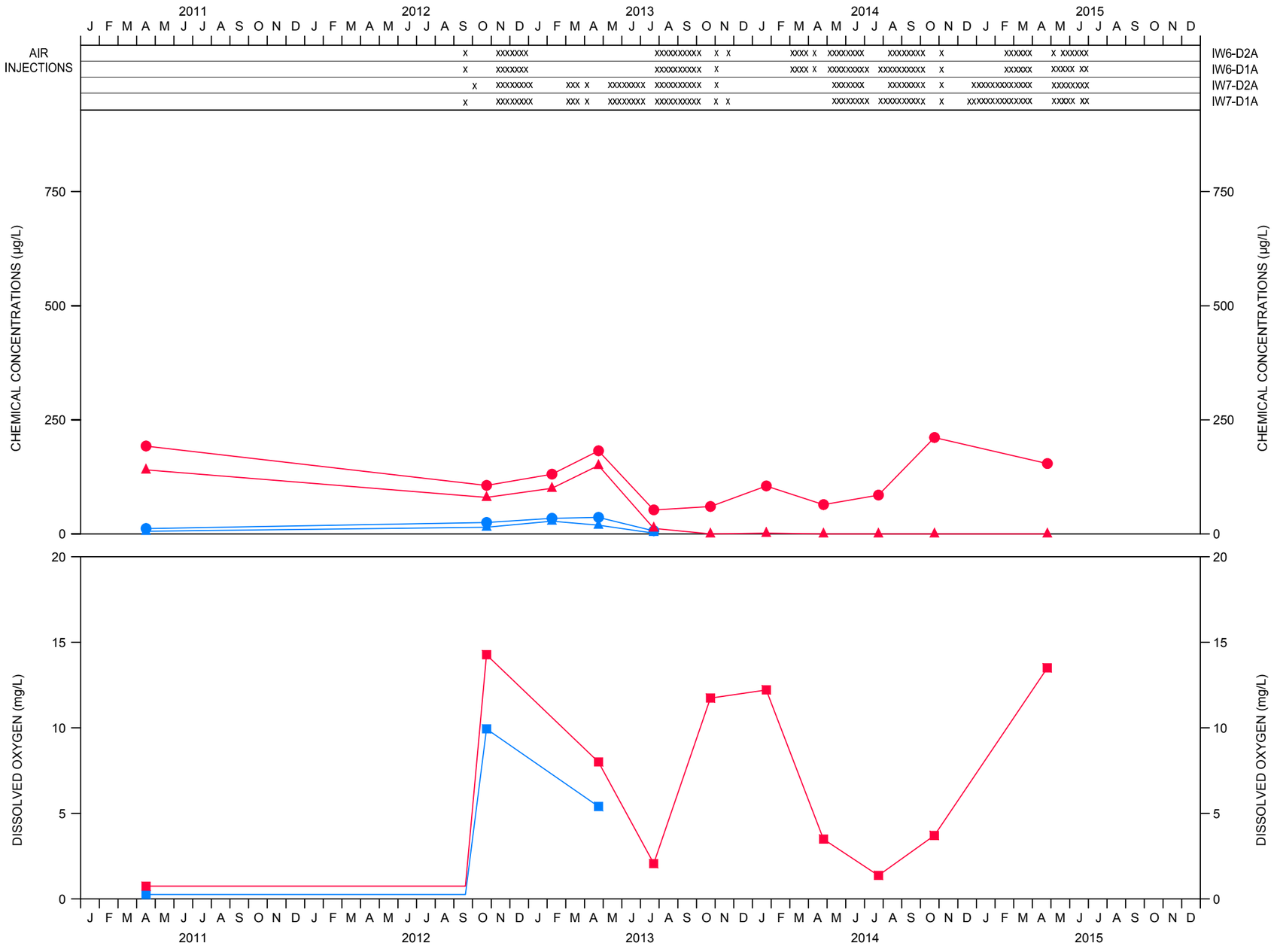

figure 20

WELL NEST MW-77
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

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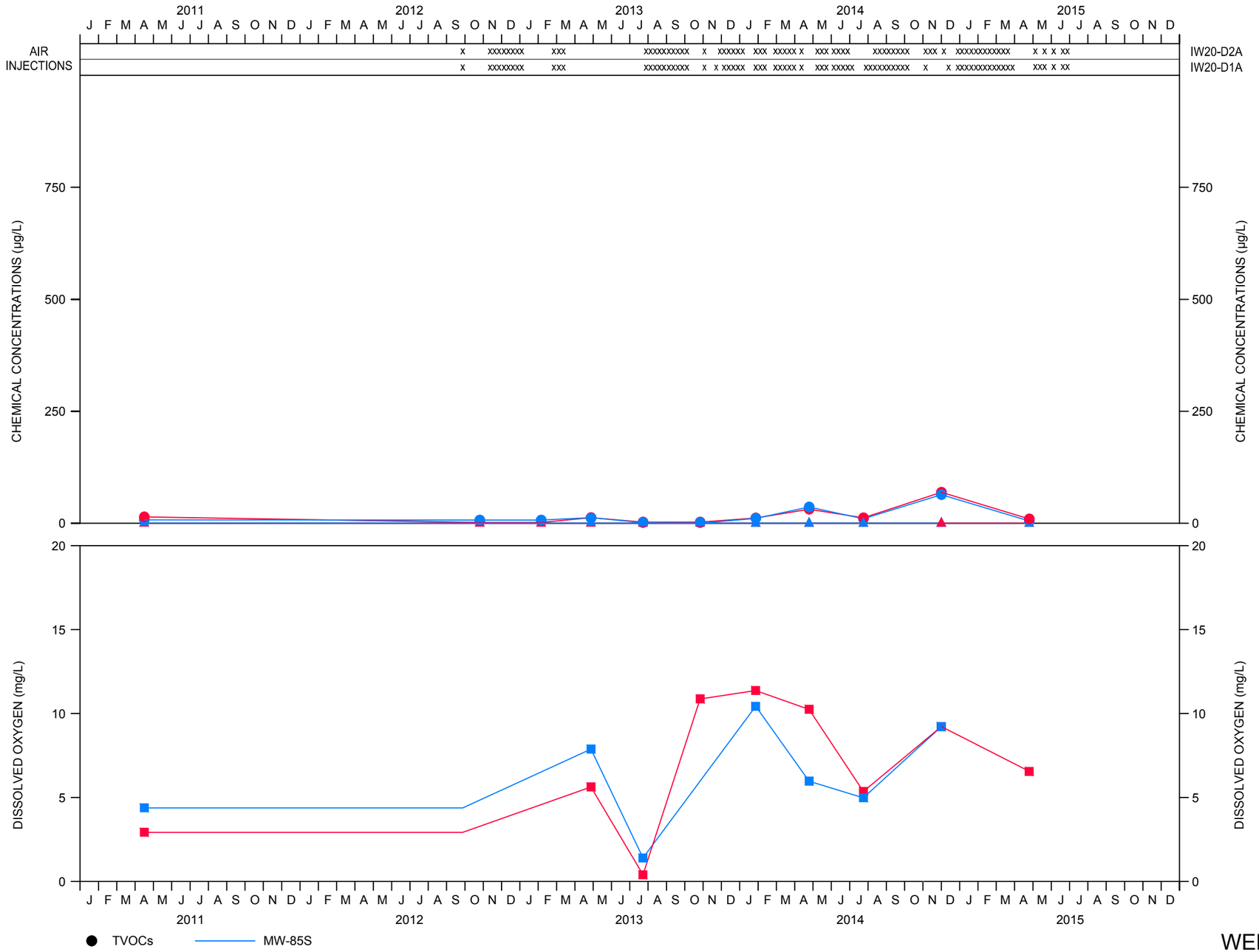

figure 21

WELL NEST MW-85S/I
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

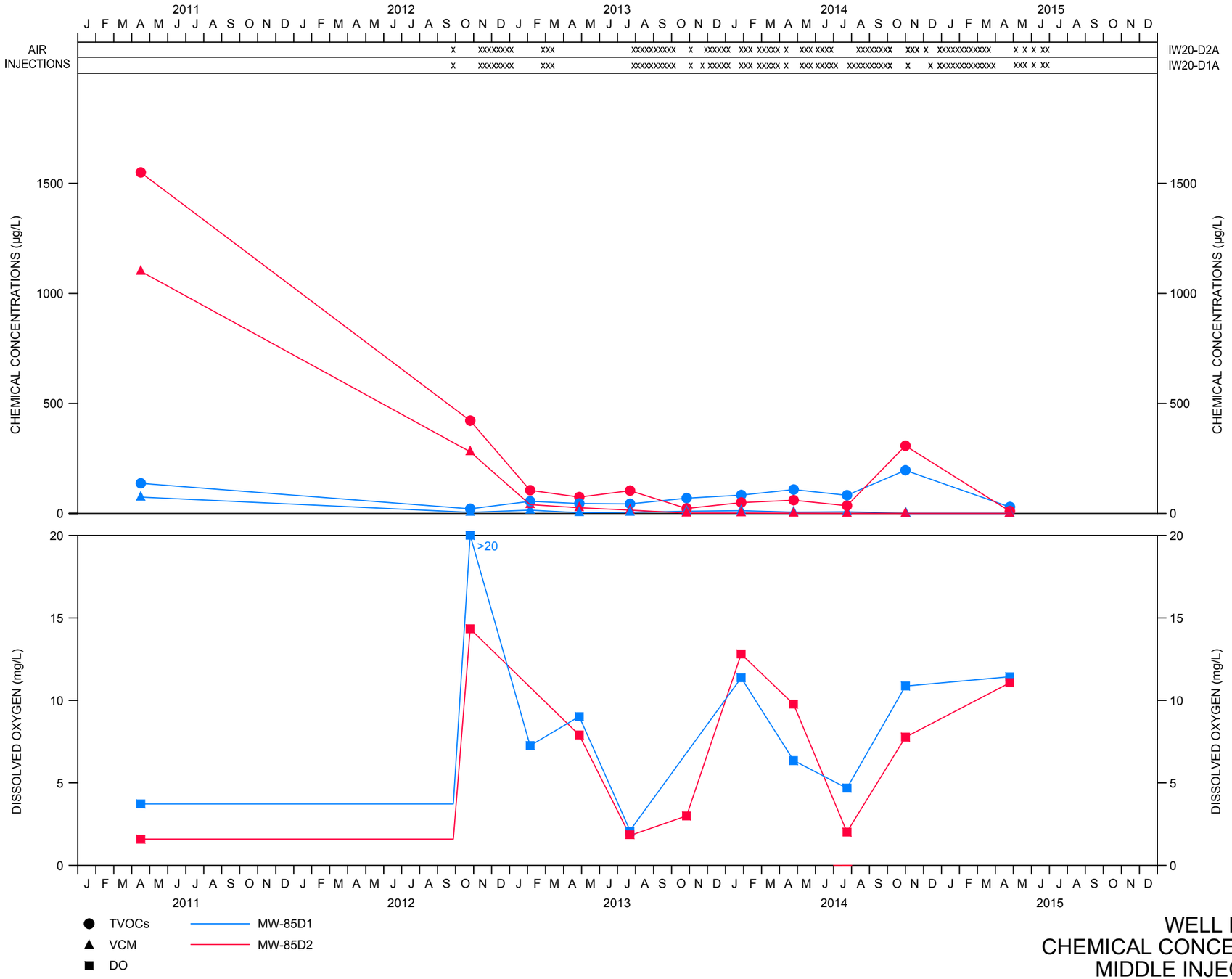

figure 22

WELL NEST MW-85D1/D2
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

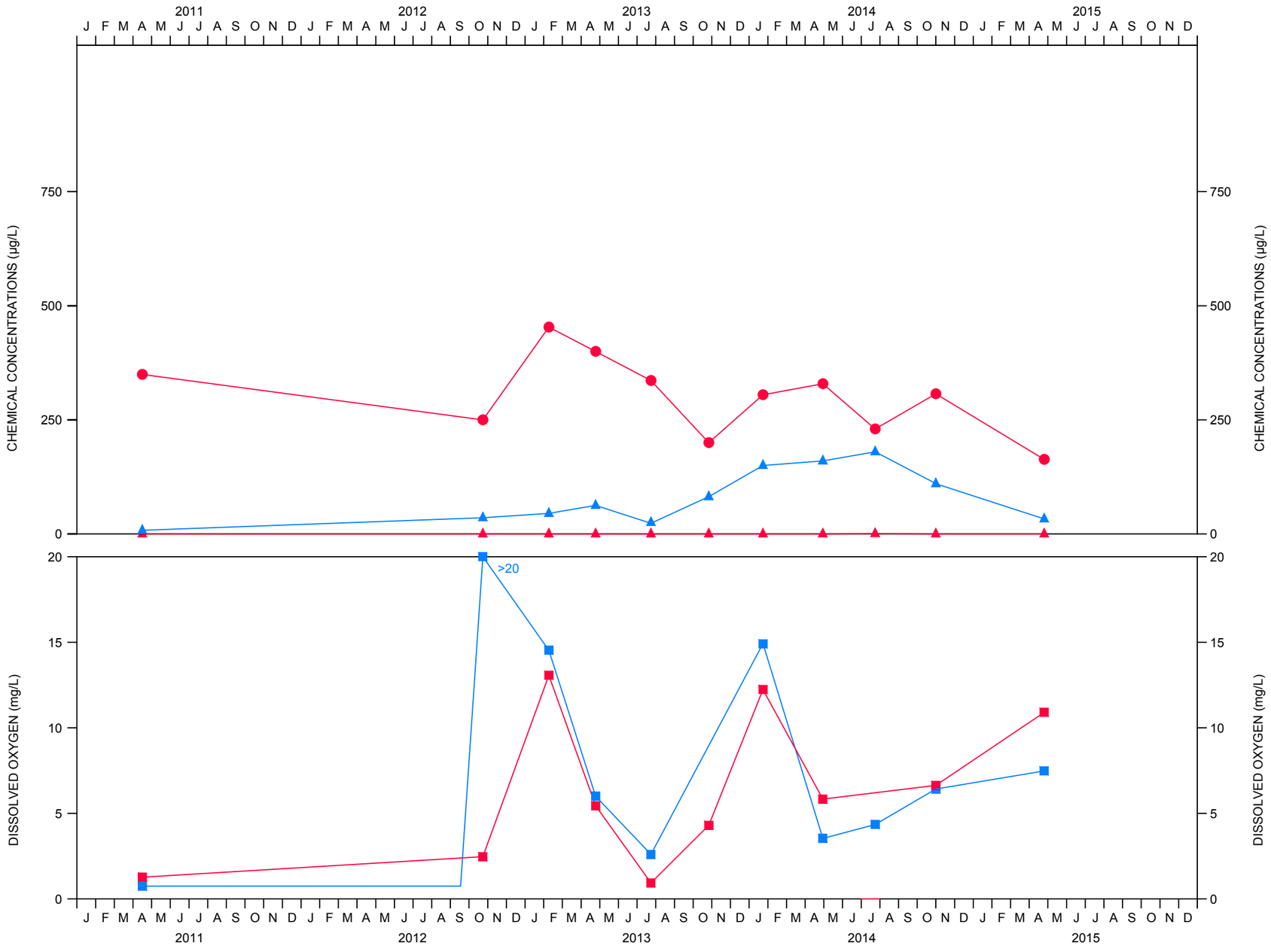

figure 23

WELL NEST MW-86
CHEMICAL CONCENTRATION PLOTS
UPGRADIENT OF MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

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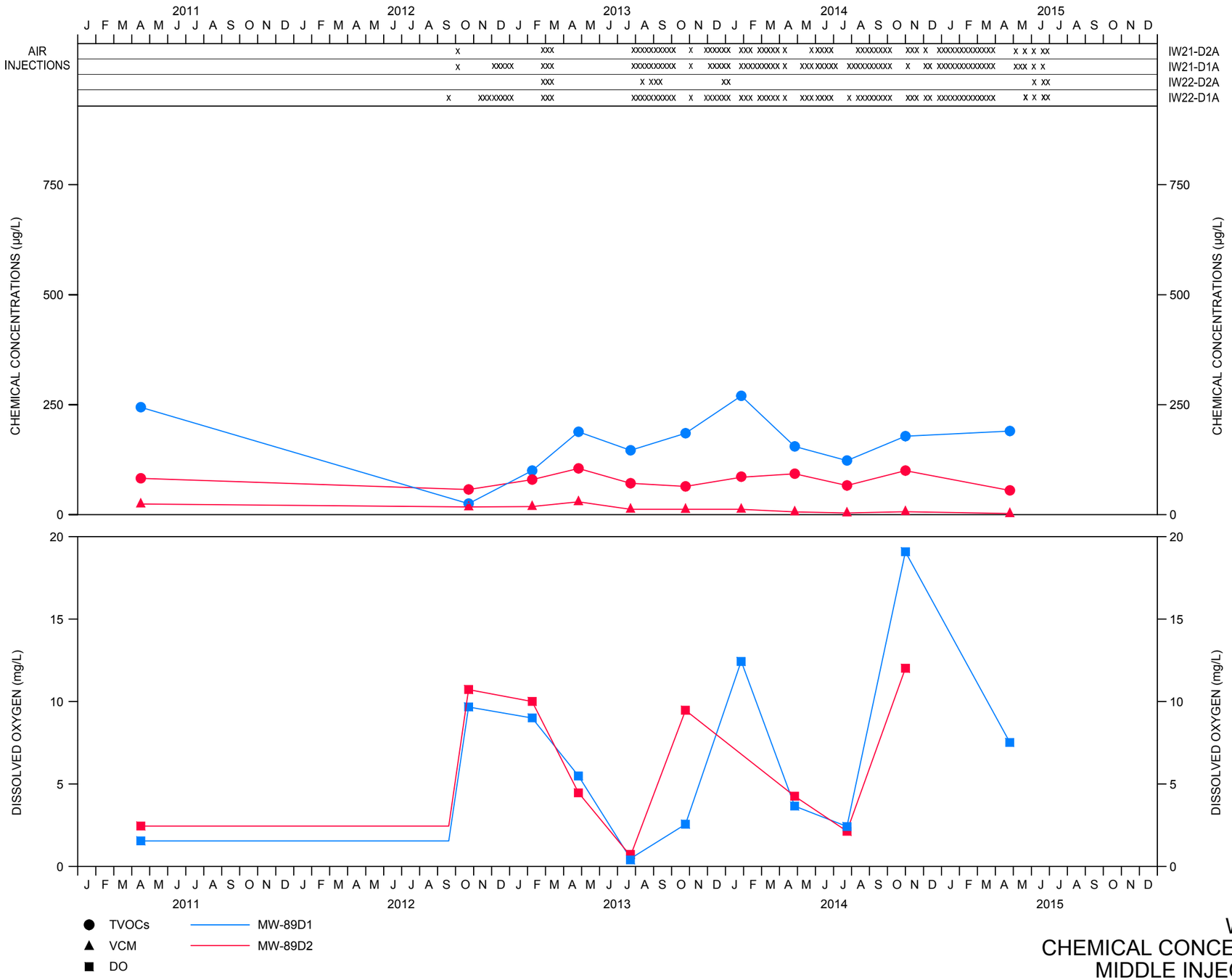

figure 24

WELL NEST MW-89
CHEMICAL CONCENTRATION PLOTS
MIDDLE INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

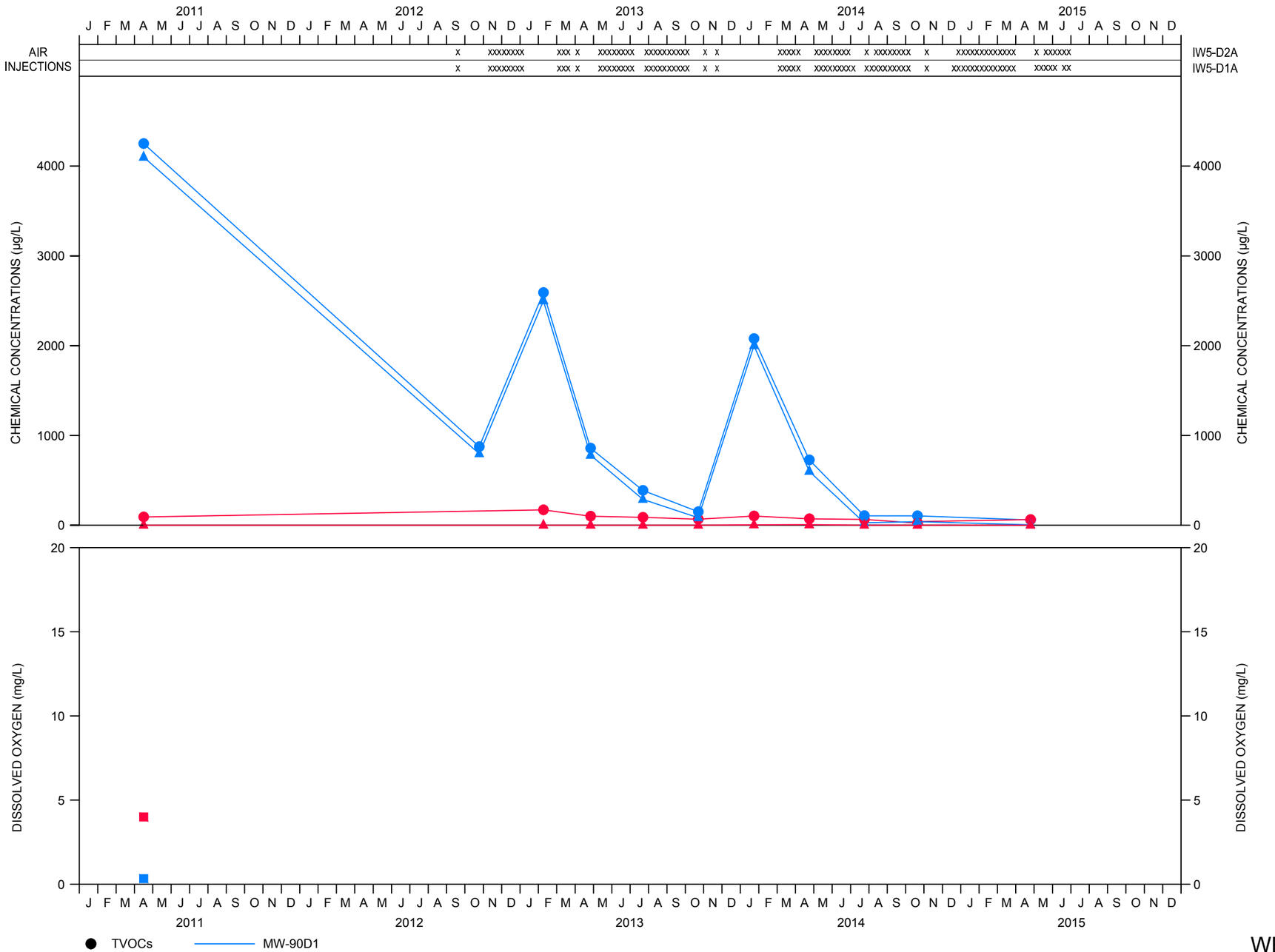

figure 25

WELL NEST MW-90
CHEMICAL CONCENTRATION PLOTS
NORTH INJECTION FENCELINE
Hooker/Ruco Site, Hicksville, New York

TABLE 1

GLENN SPRINGS HOLDINGS INC.
HOOKER/RUCO SITE OPERABLE UNIT 3
HICKSVILLE, NEW YORK

April through June 2015

Task and Activity	*Percentage of Activity Completed*	*Start Date*	*Scheduled Completion Date*	*Completion Date*
• Work Plan	100	July 1993		September 23, 1993
• Borehole/Well Installation (MW-50, MW-53, MW-54 and MW-55)	100	September 30, 1994		June 19, 1995
• Well Development, Sampling and Analysis	100	July 10, 1995		August 9, 1995
• Water Level Measurements	100	August 15, 1995		April, 1996
• Interim Report	100	May 23, 1995		June 15, 1995
• Interim Report - Addendum No. 1	100	July 28, 1995		August 2, 1995
• Grumman Production Wells Sample Collection and Analysis	100	August 1, 1995		October 4, 1995
• Well Installation (MW-51, MW-52, MW-56 and MW-57)	100	August 30, 1995		January 26, 1996
• Regional Groundwater Level Monitoring Event	100	October 3, 1995		October 3, 1995
• Well Development, Sampling and Analysis	100	January 22, 1996		July 5, 1996
• Grumman Groundwater Model	100	July 27, 1995		November 20, 1997
• Phase I Report	100	February 21, 1996		April 26, 1996
• Supporting Documentation Regarding the Effectiveness of In Situ Remediation	100	June 10, 1996		August 9, 1996
• Phase II Report	100	February 21, 1996		August 12, 1996
• Comments on DEC Draft Supplemental Feasibility Study	100	September 23, 1996		October 17, 1996
• Responses to Northrop Comments on the Phase I Report	100	April 17, 1997		June 6, 1997
• Comments on DEC Supplemental Feasibility Study	100	June 1, 1997		June 20, 1997
• Comments on Navy Regional Groundwater Feasibility Study	100	July 28, 1997		October 8, 1997
• Revised Pages for Navy Regional Groundwater Feasibility Study	100	July 28, 1997		November 3, 1997
• Comments on Groundwater Flow Model Report	100	November 20, 1997		December 5, 1997
• Comments on Draft Final Regional Groundwater Feasibility Study	100	March 27, 1998		May 1, 1998
• Comments on Northrop Letter Report	100	May 20, 1998		June 4, 1998
• Evaluation of MW-52 Area Groundwater Extraction System	100	July 1, 1998		July 29, 1998
• Remedial Investigation Report	100	December 1, 1998		January 21, 1999
• Feasibility Study Report	100	December 1, 1998		March 16, 1999
• Groundwater Treatability Study (GTS)	100	December 16, 1998		July 19, 1999
• Responses to EPA Comments on RI Report	100	May 25, 1999		June 11, 1999
• Responses to EPA Comments on FS Report	100	June 21, 1999		July 7, 1999
• Scope of Predesign Investigative Activities				
- Initial	100	June 1, 1999		June 11, 1999
- Revised	100	February 16, 2001		May 28, 2001
• Revised RI Report	100	May 25, 1999		November 16, 1999
• Revised FS Report	100	July 7, 1999		December 22, 1999
• Responses to EPA Comments on GTS	100	October 14, 1999		November 3, 1999

TABLE 1

GLENN SPRINGS HOLDINGS INC.
HOOKER/RUCO SITE OPERABLE UNIT 3
HICKSVILLE, NEW YORK

April through June 2015

Task and Activity	*Percentage of Activity Completed*	*Start Date*	*Scheduled Completion Date*	*Completion Date*
• Responses to EPA Comments on FS Report Responses	100	October 14, 1999		November 3, 1999
• Obtain access agreements	100	June 1999		December 2001
• Final RI Report	100	March 15, 2000		July 21, 2000
• Final FS Report	100	April 10, 2000		July 25, 2000
• PRAP	100			July 28, 2000
• ROD	100			September 29, 2000
• Unilateral Administrative Order	100			April 26, 2001
• Evaluate VCM presence in GP-3	100			August 15, 2001
• Design Supplemental System for VCM in GP-3	100	August 15, 2001		December 2001
• EPA Conditional Approval for Predesign Activities	100			September 28, 2001
• Issued Request for Bid for Well Installation	100			October 26, 2001
• Contractor Arrangements	100			January 15, 2002
• Arrangements for Biosparge Testing of Existing Wells	100			April 12, 2002
• Biosparge Testing of Existing Wells	100	April 15, 2002		August 13, 2002
• Phase 1 Well Installation	100	February 4, 2002		June 28, 2002
• Upgrade of GP-1/GP-3 Treatment System	100	April 8, 2002		July 9, 2003
• Sample Wells	100	June 17, 2002		July 12, 2002
• Evaluate Pre-Design Information /Develop Scope of Biosparge Remedy	100			November 22, 2002
• Install 2 Additional Wells (MW-67/68)	100	December 18, 2002		February 14, 2003
• Sample Wells MW-67 & MW-68				March 25/26, 2003
• Responses to EPA comments on Predesign Information Report	100	March 6, 2003		March 27, 2003
• EPA Meeting				April 17, 2003
• Closed Well T-1	100			May 12, 2003
• MW-67/68 Installation Report	100			May 23, 2003
• Responses to EPA comments on March 27, 2003 Responses	100	June 25, 2003		July 29, 2003
• Pre-Final (95%) RD Report	100	July 7, 2003		October 31, 2003
• Responses to EPA comments on 95% RD Report	100	April 12, 2004		May 27, 2004
• Submitted Due Diligence Request to Northrop	100			May 10, 2004
• Follow up Due Diligence Clarification to Northrop 6/11 Data Package	100			June 25, 2004
• Offer to Northrop for Property Purchase	100			October 1, 2004
• Sample 13 Wells and Submit Results	100	August 23, 2004		October 14, 2004
• Responses to EPA Comments on 95% RD Report	100	November 17, 2004		December 6, 2004
• Revised Property Purchase offer submitted to Northrop	100	December 22, 2004		December 22,2004
• Prepare 100% RD Report	100	January 12, 2005		May 27, 2005

TABLE 1

GLENN SPRINGS HOLDINGS INC.
HOOKER/RUCO SITE OPERABLE UNIT 3
HICKSVILLE, NEW YORK

April through June 2015

Task and Activity	*Percentage of Activity Completed*	*Start Date*	*Scheduled Completion Date*	*Completion Date*
• Property Purchased	100			June 2005
• 100% Design Approved	100			July 7, 2005
• Obtain Building Permits	100	July 11, 2005		November 10, 2005
• Arrange Contractors	100	January 2005		July 22, 2005
• Well Installation	100	September 13, 2005		April 28, 2006
• Biosparge System Installation	100	November 2005		May 2006
• Closure of On-Site and Off-Site Wells	100	November 2005		May 10, 2006
• OU-1 Soil Borings	100	November 2005		January 11, 2006
• Background Groundwater Sampling	100	March 27, 2006		June 14, 2006
• Pre-Start Sampling	100			October 24, 25, and 26, 2006
• Final Inspection	100			October 27, 2006
• Biosparge System Start-Up	100			October 27, 2006
• First Monthly Sampling	100			November 28 to 30, 2006
• Second Monthly Sampling	100			December 20 and 21, 2006
• Noise Survey	100			January 18, 2007
• 2007 First Quarterly Sampling	100			January 23 to 30, 2007
• Submission of Phase I Construction Documents	100			February 1, 2007
• 2007 Second Quarterly Sampling	100			April 18 to 27, 2007
• 2007 Third Quarterly Sampling	100			July 16 to 27, 2007
• 2007 Fourth Quarterly Sampling	100			October 8 to 18, 2007
• Evaluation/Recommendation for Design Modifications	100			January 15, 2008
• 2008 First Quarterly Sampling	100			January 22 to 28, 2008
• 2008 Second Quarterly Sampling	100			April 16 to 25, 2008
• 2008 Third Quarterly Sampling	100			July 15 to 18, 2008
• 2008 Fourth Quarterly Sampling	100			October 21 to 30, 2008
• Construction of North Fence Underground Components	100			December 23, 2008
• 2009 First Semi-Annual Sampling	100			April 7 to 14, 2009
• Response to USEPA Biosparge System Comments	100	August 27, 2009		September 23, 2009
• 2009 Second Semi-Annual Sampling	100			October 13 to 21, 2009
• Submittal of Biodegradation Supporting Information	100			November 30, 2009
• Submittal of Revised Schedule	100			February 3, 2010
• Submittal of PDB/HydraSleeve[TM] Evaluation	100			February 11, 2010
• Trailing Edge Proposal	100			March 15, 2010
• 2010 First Semi-Annual Sampling	100			May 3 to 25, 2012
• Distribution of RFP for Biosparge System Well Installation	100			June 25, 2010

TABLE 1

GLENN SPRINGS HOLDINGS INC.
HOOKER/RUCO SITE OPERABLE UNIT 3
HICKSVILLE, NEW YORK

April through June 2015

Task and Activity	*Percentage of Activity Completed*	*Start Date*	*Scheduled Completion Date*	*Completion Date*
• Contracted Well Driller	100			August 3, 2010
• 2010 Second Semi-Annual Sampling	100			November 15 to 29, 2010
• Install Biosparge System Wells	100	September 20, 2010		May 15, 2011
• 2011 First Semi-Annual Sampling & Site Wide Event	100			April 7 to May 19, 2011
• Distribution of RFP for Biosparge System Expansion	100			May 4, 2011
• Receipt of Bids	100			June 17, 2011
• Submittal of PDB/HydraSleeve™ Evaluation	100			August 31, 2011
• USEPA Concurrence For Use of PDB Samplers	100			September 22, 2011
• Update QAPP	100	September 22, 2011		October 24, 2011
• 2011 Second Semi-Annual Sampling	100			Nov. 30 to Dec. 1, 2011
• Revise Updated QAPP	100	December 6, 2011		January 3, 2012
• Address EPA Comments on revised updated QAPP and resubmit	100	February 17, 2012		April 13, 2012
• Construction of Remainder of Biosparge System	100	March 5, 2012		August 15, 2012
• 2012 First Semi-Annual Sampling	100			May 23 and 24, 2012
• Submit Interim Remedial Action Report	100			September 26, 2012
• Submit Electrical As-Built Drawings	100			October 10, 2012
• 2012 Second Semi-annual Sampling	100			October 24 to November 25, 2012
• 2013 First Quarter Sampling	100			January 8 to February 13, 2013
• Well Rehabilitation Works	100			March 8 to 29, 2013
• 2013 Second Quarter Sampling	100			April 24 to May 23, 2013
• 2013 Third Quarter Sampling	100			July 9 to 25, 2013
• 2013 Fourth Quarter Sampling	100			October 24 to November 7, 2013
• 2014 First Quarter Sampling	100			January 7 to 27, 2014
• 2014 Second Quarter Sampling	100			April 23 to May 15, 2014
• 2014 Third Quarter Sampling	100			July 2 to August 6, 2014
• 2014 Fourth Quarter Sampling	100			October 6 to November 11, 2014
• Responses to EPA Comments	100	December 10, 2014		December 19, 2014
• 2015 First Semi-Annual Sampling	100			April 6 to May 8, 2015

TABLE 2

QUARTERLY REPORT
FIRST QUARTER 2015 (JANUARY THROUGH MARCH)
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
MW-52S	4/7/2006	0.03	4.3	5.62	14.3	0.199	-7	0.00	0	1.60
	3/13/2007	0.20	6.1	6.34	14.8	0.652	5	1.64	58.4	1.66
MW-52I	4/13/2006	0.04	4.5	4.56	15.0	0.121	303	9.77	12.4	0.05
	3/14/2007	0.05	4.9	5.42	14.6	0.192	259	5.85	44.8	0.04
MW-52D	3/14/2007	0.00	5.3	5.67	14.7	0.314	226	3.07	307	0.11
MW-58D	10/26/2006	0.01	3.4	5.69	16.8	0.192	21	2.42	58.1	4.30
	5/18/2010	0.00	8..4	5.52	16.1	0.201	30	0.00	25	1.8
	11/21/2011	-0.02	NR	4.96	14.7	0.270	74	0.30	7	NR
	5/23/2013	NA	NA	4.87	20.8	0.210	167	5.94	18	2.0
	11/14/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-58D1	10/26/2006	0.14	3.2	6.34	16.9	0.222	-101	2.58	68.6	8.80
	5/19/2010	0.00	10.4	6.21	16.3	0.221	-50	0.00	198	2.2
	11/21/2011	-0.02	NR	6.47	15.3	0.307	-48	0.52	27	NR
	5/23/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	11/14/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-58D2	10/25/2006	0.11	2.8	6.95	17.3	0.266	-198	0.00	15.1	5.16
	4/29/2013	NA	NA	6.37	15.4	0.151	-81	7.70	35.8	3.87
	10/24/2014	NA	NA	7.42	15.0	0.276	-10	20.87	106	0.00
MW-59D1	10/25/2006	0.00	2.0	6.07	17.4	0.432	-20	0.58	261	3.24
	11/29/2011	-0.07	NR	6.07	18.0	0.267	-43	0.30	60	NR
MW-59D2	10/25/2006	0.02	5.5	6.50	17.5	0.452	-99	0.47	240	2.00
	11/29/2011	-0.10	NR	6.60	17.3	0.260	-128	0.10	550	NR
MW-59D	10/26/2006	0.07	4.5	10.29	17.1	0.364	-108	0.00	9.6	2.65
	11/29/2011	0.03	NR	5.53	17.9	0.255	49	0.35	40	NR
MW-60S	5/23/2013	NA	NA	10.18	19.8	0.127	-233	4.74	565	>5.0
MW-60I	5/23/2013	NA	NA	6.57	21.2	0.201	-93	3.77	119	>5.0
MW-60D	5/23/2013	NA	NA	10.11	20.3	0.267	-204	4.60	122	2.43
MW-60D1	4/30/2013	NA	NA	7.10	17.4	0.315	-108	5.84	>1000	>5.0
MW-61S	10/19/2009	0.00	2.9	5.12	14.8	0.184	372	>20	165	0.02
	5/10/2010	0.00	5.5	6.81	14.6	0.223	100	10.95	0	0.0
MW-61I	4/28/2006	0.00	4.6	5.68	14.3	0.221	139	0.00	121	1.76
	5/8/2006	0.08	1.9	4.86	14.9	0.182	136	0.00	64.7	1.49
	5/18/2006	0.20	2.9	4.90	16.1	0.155	123	0.00	571	2.16
	5/30/2006	0.20	5.7	5.10	15.7	0.167	118	0.00	110	2.61
	10/24/2006	0.14	4.3	5.53	15.1	0.999	102	0.00	166	2.76
	10/25/2006	0.00	4.1	5.32	15.1	0.202	112	0.41	370	3.04
	10/26/2006	0.02	3.9	5.33	14.6	0.251	133	0.00	900	2.49
	11/29/2006	0.10	5.1	5.58	14.8	0.242	60	0.00	397	1.96
	11/29/2006	0.10	5.1	5.58	14.8	0.242	60	0.00	397	1.96
	12/21/2006	0.08	5.2	5.20	14.4	0.185	118	0.00	18.2	2.17
	1/24/2007	-0.05	4.5	5.54	14.9	0.275	101	1.93	46.4	1.84
	4/19/2007	0.00	6.1	5.88	14.7	0.320	124	3.21	254	0.03
	7/20/2007	0.16	9.3	5.29	15.7	0.189	90	0.37	2	5.19
	10/11/2007	0.22	10.7	5.61	15.6	0.193	50	3.56	33.6	3.12
	1/24/2008	-0.02	6.2	5.56	14.5	0.216	86	1.44	87.2	3.11
	4/23/2008	0.23	9.3	5.88	15.2	0.216	60	0.45	0	2.83
	7/16/2008	0.20	4.0	5.60	16.6	0.183	69	2.78	0	10.82
	10/28/2008	0.26	5.6	5.02	14.9	0.199	351	7.11	4.2	1.11
	4/8/2009	0.07	2.1	5.21	10.9	0.178	306	12.18	7.0	0.05
	10/15/2009	0.00	2.4	5.25	14.5	0.172	366	17.66	0	0.49
	5/10/2010	0.00	10.6	6.30	14.6	0.178	120	10.65	0	0.0
	1/20/2011	0.00	4.4	5.90	11.6	0.253	266	11.10	45	0.0
	4/19/2011	0.02	3.7	5.69	13.4	0.217	249	10.10	39.9	0.0
	11/30/2011	NA	NA	6.27	10.5	0.191	NM	12.81	280	NM
	5/23/2012	NA	NA	NM	NM	NM	NM	NM	NM	NM
	11/5/2012	NA	NA	6.28	11.1	0.220	111	11.23	130	3.99
MW-61D1	4/28/2006	0.00	4.7	6.07	14.5	0.210	122	0.00	356	1.78
	5/8/2006	0.05	5.7	5.07	15.0	0.210	101	0.00	172	2.77
	5/18/2006	0.16	2.9	5.18	16.2	0.170	91	0.00	>999	>3.30

TABLE 2

QUARTERLY REPORT
FIRST QUARTER 2015 (JANUARY THROUGH MARCH)
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level* [(1) (4)] *(feet)*	*Well Screen Volumes Purged* [(4)]	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe $^{+2}$ (mg/L)*
	5/30/2006	0.25	4.5	5.27	15.9	0.196	93	0.00	138	4.66
	10/24/2006	0.01	4.4	5.49	15.2	0.999	110	0.00	72.4	2.30
	10/25/2006	0.08	4.1	5.33	15.1	0.201	107	0.65	129	3.74
	10/26/2006	0.03	3.9	5.41	14.9	0.273	109	0.00	86	2.99
	11/29/2006	0.00	3.6	5.72	14.9	0.246	54	0.00	310	1.92
	12/21/2006	0.08	5.8	5.29	14.6	0.192	90	0.00	80.7	2.59
	1/23/2007	0.00	8.1	5.73	14.3	0.389	54	1.21	137	1.84
	4/19/2007	0.14	8.1	6.19	14.6	0.304	79	6.66	95.9	0.26
	7/20/2007	0.23	11.7	5.31	16.4	0.163	83	0.44	20	3.30
	10/10/2007	0.00	4.9	5.84	15.5	0.198	26	3.39	27.2	4.20
	1/24/2008	0.18	5.4	5.58	14.4	0.244	78	1.33	38.7	3.21
	4/22/2008	0.08	13.1	5.90	15.5	0.220	60	0.41	321	2.91
	7/16/2008	0.36	6.2	5.42	16.1	0.158	87	2.35	0	2.13
	10/28/2008	0.06	1.8	4.88	15.1	0.182	335	3.75	215	0.21
	4/8/2009	0.15	8.8	5.23	14.5	0.183	267	12.77	9.2	0.08
	10/15/2009	0.00	3.4	5.32	14.2	0.179	336	10.11	0	0.96
	5/10/2010	0.00	7.7	6.18	14.5	0.223	140	10.15	0	0.0
	1/20/2011	0.00	3.1	6.16	10.1	0.346	231	18.80	42.5	0.0
	4/19/2011	-0.01	3.7	5.76	13.5	0.227	248	10.38	*	0.0
	11/30/2011	NA	NA	6.19	10.6	0.168	NM	13.21	177	NM
	5/23/2012	NA	NA	6.04	18.1	0.182	170	13.55	170	1.8
	11/5/2012	NA	NA	5.96	10.2	0.237	124	11.85	212	3.0
MW-61D2	4/28/2006	0.05	6.4	7.03	15.2	0.230	-186	0.00	413	2.00
	5/5/2006	0.00	10.5	6.65	15.1	0.370	-160	0.00	>999	10.08
	5/18/2006	0.30	4.9	6.63	16.1	0.294	-127	0.00	999	>3.30
	5/30/2006	0.00	4.4	6.32	15.8	0.249	-100	0.00	84.6	2.99
	10/24/2006	0.10	6.4	6.22	14.9	0.904	37	0.00	>999	0.15
	10/25/2006	0.20	4.4	5.77	15.1	0.236	27	1.42	316	5.46
	10/26/2006	0.25	4.2	5.63	14.9	0.233	62	1.94	550	4.04
	11/29/2006	0.00	4.4	6.25	14.8	0.253	110	11.12	>999	1.91
	12/21/2006	0.19	5.1	5.58	14.2	0.216	120	9.28	89.4	2.36
	1/23/2007	0.10	5.1	6.62	14.0	0.273	131	>20	>999	0.89
	4/23/2007	0.05	8.6	5.38	15.1	0.189	361	>20	231	0.21
	7/23/2007	0.04	5.1	5.19	17.6	0.219	71	13.45	>999	1.34
	10/11/2007	0.00	2.0	5.95	15.4	0.211	300	11.71	>999	0.21
	1/24/2008	-17.50	5.3	6.30	13.1	0.195	326	>20	228	0.78
	4/22/2008	7.38	6.0	6.73	14.1	0.239	248	14.49	>999	0.09
	7/15/2008	0.24	3.6	6.40	16.0	0.187	173	19.99	486	0.08
	10/27/2008	NM	6.7	5.92	15.6	0.222	381	>20	220	0.18
	4/9/2009	0.28	2.4	5.67	13.7	0.208	319	17.47	943	1.95
	10/14/2009	0.00	6.7	5.50	14.6	0.227	155	16.29	>999	2.80
	5/10/2010	0.00	4.9	5.70	14.8	0.153	224	19.51	60	0.0
	11/16/2010	0.00	3.1	7.42	14.5	0.210	55	8.75	*	(2)
	4/7/2011	0.00	3.1	6.42	12.8	0.204	196	17.58	389	(2)
	5/23/2012	NA	NA	7.88	19.3	0.123	123	8.54	244	9
	5/2/2013	NA	NA	7.66	14.1	0.147	196	16.37	>1000	>5.0
	10/29/2013[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/29/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/30/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/24/2015[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-62I	5/16/2007	0.10	7.1	5.31	14.1	0.278	59	0.00	113	0.69
	5/25/2010	0.00	3.1	5.08	16.5	0.152	14.8	0.00	0	4.2
MW-62D	5/16/2007	0.15	5.4	10.56	14.9	0.119	-125	0.00	570	0.38
	5/25/2010	0.00	4.9	7.23	16.8	0.186	-200	0.00	200	6.2
MW-63D1	5/23/2006	0.20	2.4	5.03	15.9	0.152	230	0.00	0.0	0.13
	5/24/2010	0.00	1.8	5.25	16.1	0.191	166	0.00	20	0.0
	5/1/2013	NA	NA	5.71	14.8	0.189	232	11.93	58.4	1.6
	10/24/2013	NA	NA	5.84	9.7	0.139	208	17.25	25.6	0.9

TABLE 2

QUARTERLY REPORT
FIRST QUARTER 2015 (JANUARY THROUGH MARCH)
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level* [(1) (4)] *(feet)*	*Well Screen Volumes Purged* [(4)]	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe $^{+2}$ (mg/L)*
	4/24/2014	NA	NA	4.56	9.3	0.274	276	11.59	10.4	0.0
	7/17/2014	NA	NA	5.37	20.2	0.184	158	3.50	7.8	3.2
	10/21/2014	NA	NA	5.75	14.6	0.179	121	6.91	4.1	1.5
	4/22/2015	NA	NA	5.36	15.9	0.141	332	5.52	6.6	4.3
MW-63D2	5/24/2006	-0.21	5.5	5.30	15.0	0.152	246	0.41	6.5	NM
	6/14/2006	0.05	5.1	5.01	16.3	0.171	222	0.92	3.5	NM
	5/24/2010	0.00	4.1	5.28	16.0	0.199	169	0.00	NM	0.00
	5/1/2013	NA	NA	5.23	13.6	0.198	229	9.77	43.8	1.65
	10/24/2013	NA	NA	6.05	6.7	0.157	-17	11.03	18.8	3.86
	4/24/2014	NA	NA	4.73	7.5	0.232	202	7.95	33.3	0.11
	7/17/2014	NA	NA	6.02	19.6	0.216	125	2.70	2.5	3.10
	10/21/2014	NA	NA	5.82	15.6	0.158	167	6.48	4.5	1.20
	4/22/2015	NA	NA	5.14	16.1	0.126	280	6.09	9.4	2.30
MW-63S	5/19/2006	0.12	2.4	5.20	14.8	0.150	238	0.16	411	0.18
	5/21/2010	0.00	5.8	5.82	16.2	0.172	-111	0.00	132	0.06
	5/23/2013	NA	NA	6.36	21.0	0.193	74	4.53	17.1	1.33
	11/7/2013	NA	NA	8.12	15.6	0.240	7	8.91	36	3.16
	5/15/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	8/6/2014	NA	NA	5.20	20.2	0.211	145	5.64	2.6	0.10
	11/14/2014	NA	NA	6.58	16.2	0.111	203	7.88	71	25.0
	5/8/2015	NA	NA	7.19	17.9	0.077	4	11.79	95	0.3
MW-63I	5/23/2006	0.20	4.6	5.09	15.4	0.154	241	0.00	0.0	0.0
	5/21/2010	0.00	6.1	4.73	15.5	0.217	-102	0.00	130	0.0
	5/23/2013	NA	NA	6.17	20.8	0.183	75	4.40	27.7	1.7
	11/7/2013	NA	NA	8.31	15.5	0.243	70	11.37	19.8	0.7
	5/15/2014	NA	NA	6.78	18.8	0.175	36	2.83	0.0	0.0
	8/6/2014	NA	NA	5.27	20.5	0.245	139	2.73	4.3	0.5
	11/14/2014	NA	NA	4.93	15.5	0.147	35	8.41	14.5	14.5
	5/8/2015	NA	NA	6.29	16.0	0.093	87	12.34	48	0.8
MW-64S	3/23/2006	0.10	2.9	5.83	14.3	0.188	-18	0.00	13.8	4.7
	4/26/2007	0.00	5.3	6.71	14.2	0.304	-114	0.00	53.6	2.4
	5/24/2010	0.00	2.5	6.46	15.3	0.201	-98	0.00	10	4.0
MW-64I	3/24/2006	-0.01	3.6	5.87	14.1	0.203	-38	0.00	0.0	3.2
	4/26/2007	0.00	6.1	6.78	14.2	0.317	-121	0.00	17.5	1.9
	5/24/2010	0.00	3.3	6.62	15.3	0.218	-110	0.00	11	4.0
MW-64D	4/26/2007	0.00	2.7	6.72	14.6	0.324	-115	0.00	22.9	2.0
	5/24/2010	0.05	1.8	6.63	15.3	0.218	-107	0.00	16	2.3
MW-66D2	4/3/2006	0.03	5.2	5.23	15.2	0.197	-16	0.00	24.3	4.5
	4/25/2013	NA	NA	6.83	17.3	0.137	-44	6.58	399	0.2
	10/29/2013	NA	NA	8.10	13.7	0.149	-111	3.88	236	0.3
	4/25/2014	NA	NA	6.80	16.8	0.126	53	4.55	594	0.7
	10/27/2014	NA	NA	6.79	16.7	0.144	166	3.42	422	2.8
	4/23/2015	NA	NA	7.29	7.9	0.059	161	13.98	269	NM
MW-67S	3/28/2006	0.35	5.2	5.88	15.7	0.206	-117	0.00	271	4.4
	5/20/2010	0.00	4.9	6.73	18.4	0.354	-170	0.00	NM	7.0
	11/22/2011	-0.11	NR	6.74	13.5	0.183	-35	0.14	>1000	NR
	4/25/2013	NA	NA	4.48	15.1	0.164	45	5.14	602	1.9
	10/29/2013	NA	NA	8.97	14.3	0.058	-161	2.49	637	1.0
	4/25/2014	NA	NA	6.38	14.1	0.096	77	2.76	>800	0.0
	10/24/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/23/2015	NA	NA	8.10	10.7	0.055	155	12.71	110	0.4
MW-67D	3/29/2006	0.47	4.3	5.64	17.1	0.223	86	0.50	>999	4.22
	5/20/2010	0.00	7.4	6.60	18.3	0.234	-187	1.30	NM	0.2
	11/22/2011	0.03	NR	5.57	15.2	0.144	129	2.97	30	NR
	4/25/2013	NA	NA	4.40	11.6	0.066	45	11.98	125	1.9
	10/29/2013	NA	NA	9.73	13.5	0.131	-204	3.78	39.8	0.0
	4/25/2014	NA	NA	6.68	14.3	0.098	2	5.35	>800	0.0
	10/24/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/23/2015	NA	NA	8.07	8.6	0.107	-274	9.51	286	NM

TABLE 2

QUARTERLY REPORT
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HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
MW-68S	4/6/2006	-0.10	5.1	8.87	17.4	0.144	-281	0.00	27.8	0.60
	11/28/2011	-0.17	NR	6.51	17.2	0.309	-107	0.05	>1000	NR
	4/25/2013	NA	NA	5.96	14.2	0.079	-190	6.84	64.6	1.9
	10/29/2013	NA	NA	8.40	11.3	0.119	-128	3.58	48.8	1.0
	4/25/2014	NA	NA	6.17	13.7	0.175	-50	2.49	189	0.0
	10/24/2014	NA	NA	6.53	13.9	0.138	68	21.08	182	0.0
	4/23/2015	NA	NA	4.32	6.8	0.026	-15	15.09	212	NM
MW-68D	3/31/2006	0.10	5.1	5.67	17.6	0.165	-150	0.00	440	4.9
	5/19/2010	0.00	9.2	5.89	16.2	0.157	-29	0.00	79	2.4
	11/28/2011	0.04	NR	5.79	18.2	0.170	-38	0.97	160	NR
	4/25/2013	NA	NA	6.10	15.0	0.119	-174	5.88	NM	0.7
	10/29/2013	NA	NA	7.76	12.0	0.135	-91	4.12	514	0.2
	4/25/2014	NA	NA	6.71	12.6	0.150	-71	5.27	>800	0.0
	10/24/2014	NA	NA	6.96	14.4	0.169	36	12.79	356	0.0
	4/23/2015(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-70D1	4/11/2011	0.00	2.5	6.90	15.3	0.220	-135	0.69	13.8	4.0
	10/25/2012	NA	NA	NM	NM	NM	NM	NM	NM	NM
	2/4/2013	NA	NA	6.69	5.6	0.192	8	4.80	384	3.0
	4/26/2013	NA	NA	4.08	15.9	0.212	170	9.35	346	3.5
	7/23/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/24/2013	NA	NA	5.25	10.0	0.078	38	12.56	214	2.8
	1/23/2014	NA	NA	6.91	8.0	0.105	-109	5.06	111	0.0
	4/23/2014	NA	NA	4.75	15.8	0.578	76	10.11	93	0.0
	7/21/2014	NA	NA	7.03	18.6	0.152	48	9.35	190	0.0
	10/23/2014	NA	NA	6.95	12.7	0.138	30	6.24	142	2.7
	4/24/2015	NA	NA	6.84	8.8	0.064	107	14.38	88	0.0
MW-70D2	4/11/2011	0.00	3.1	6.72	16.8	0.270	-122	0.66	26.0	2.0
	10/25/2012	NA	NA	6.54	14.7	0.237	-4	8.78	350	3.2
	2/4/2013	NA	NA	6.78	7.3	0.228	27	11.14	999	0.0
	4/26/2013	NA	NA	6.86	17.1	0.190	-19	7.89	780	>5.0
	7/23/2013	NA	NA	5.58	23.8	0.110	16	1.88	224	1.2
	10/24/2013	NA	NA	7.19	13.8	0.079	-17	3.95	291	0.1
	1/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/23/2014	NA	NA	2.32	14.4	0.197	211	11.88	132	0.0
	7/21/2014	NA	NA	6.68	19.3	0.138	-9	9.22	222	0.0
	10/23/2014	NA	NA	7.32	11.9	0.070	39	3.82	944	4.5
	4/24/2015	NA	NA	9.17	9.4	0.035	-89	8.70	345	0.2
MW-72D1	4/12/2011	0.01	1.7	7.08	14.4	0.224	-159	0.57	109	3.5
	10/25/2012	NA	NA	5.00	14.7	0.141	139	9.82	470	1.0
	2/4/2013	NA	NA	10.49	6.6	0.157	54	4.65	6.98	1.0
	5/1/2013	NA	NA	7.20	18.1	0.131	103	10.48	981	3.7
	7/23/2013	NA	NA	5.60	28.6	0.081	-11	2.37	145	>5.0
	10/24/2013	NA	NA	7.24	12.8	0.094	-80	4.60	535	4.6
	1/24/2014	NA	NA	5.74	10.2	0.075	36	10.78	544	NM
	4/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/21/2014	NA	NA	6.85	19.9	0.081	-21	10.13	578	0.0
	10/23/2014	NA	NA	7.06	12.2	0.040	37	4.41	>1000	2.6
	4/24/2015	NA	NA	8.63	9.7	0.053	97	13.26	387	0.5
MW-72D2	4/13/2011	0.00	3.1	7.25	12.8	0.224	-210	0.37	290	2.0
	10/25/2012	NA	NA	4.16	15.3	0.281	76	7.52	85.2	0.8
	2/4/2013	NA	NA	11.03	4.3	0.180	48	7.77	563	0.4
	5/1/2013	NA	NA	8.38	17.5	0.199	-32	9.69	735	>5.0
	7/23/2013	NA	NA	7.15	23.8	0.185	-134	2.03	647	3.7
	10/24/2013	NA	NA	7.80	14.0	0.154	-144	3.20	0.0	3.2
	1/24/2014	NA	NA	7.12	10.6	0.126	67	12.96	>800	NM
	4/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/21/2014	NA	NA	7.03	21.1	0.112	-2	9.43	558	0.3
	10/23/2014	NA	NA	7.11	12.4	0.115	52	3.03	343	2.8

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HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
	4/24/2015	NA	NA	8.49	10.1	0.100	42	9.51	>800	0.5
MW-73D1	4/25/2011	-0.87	2.5	7.02	15.0	0.218	-155	2.56	48.4	3.5
	10/26/2012	NA	NA	6.34	17.8	0.104	7	11.93	800	5.0
	2/13/2013	NA	NA	4.48	12.1	0.221	296	9.91	NM	0.0
	5/1/2013	NA	NA	6.92	16.8	0.144	-44	10.87	831	>5.0
	7/24/2013	NA	NA	6.98	24.3	0.089	-128	0.86	>999	3.0
	10/25/2013	NA	NA	7.05	13.2	NM	-51	2.94	0.0	0.3
	1/24/2014	NA	NA	8.66	12.4	0.113	143	14.42	446	NM
	4/24/2014	NA	NA	5.44	10.9	0.059	140	3.56	>800	0.8
	7/18/2014	NA	NA	7.40	21.2	0.007	21	1.22	669	0.0
	10/30/2014	NA	NA	8.32	16.6	0.048	203	24.68	NM	0.0
	4/24/2015	NA	NA	8.18	8.0	0.038	59	15.86	338	NM
MW-73D2	4/25/2011	0.00	3.1	6.29	15.1	0.204	-53	1.86	0.7	3.5
	10/26/2012	NA	NA	6.42	18.6	0.139	12	8.07	800	5.0
	2/13/2013	NA	NA	4.76	11.7	0.035	332	12.53	NM	0.0
	5/1/2013	NA	NA	7.38	17.3	0.146	-95	7.63	448	>5.0
	7/24/2013	NA	NA	6.92	21.6	0.123	-29	1.95	629	3.6
	10/25/2013	NA	NA	7.15	17.5	0.077	-32	1.74	485	1.3
	1/24/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/24/2014	NA	NA	6.43	10.1	0.160	130	8.71	>800	0.0
	7/18/2014	NA	NA	7.65	21.7	0.030	1	1.37	608	0.0
	10/30/2014	NA	NA	8.13	15.9	0.082	55	7.73	500	>5.0
	4/24/2015	NA	NA	8.77	9.3	0.070	-58	9.53	>800	1.4
MW-75D1	12/1/2011	NA	NA	6.96	15.1	0.337	NM	3.20	101	NM
	10/24/2012	NA	NA	6.48	17.3	0.497	-35	9.41	25.7	1.6
	2/4/2013	NA	NA	8.88	6.5	0.559	-48	6.09	24.1	0.0
	4/30/2013	NA	NA	6.04	17.2	0.364	1	11.07	35.3	4.1
	7/24/2013	NA	NA	6.54	22.9	0.356	-138	1.32	131	2.2
	10/24/2013	NA	NA	5.67	7.7	0.184	48	11.80	22.9	3.2
	1/24/2014	NA	NA	6.85	10.9	0.107	40	12.51	267	NM
	4/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/18/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/23/2014	NA	NA	6.22	14.1	0.397	47	3.23	317	>5.0
	4/22/2015	NA	NA	6.75	16.2	0.199	117	4.08	446	NM
MW-75D2	12/1/2011	NA	NA	8.11	13.0	0.171	NM	10.91	107	NM
	10/24/2012	NA	NA	6.50	16.9	0.229	-23	2.63	0	0.0
	2/4/2013	NA	NA	9.83	5.4	0.240	-55	16.33	34.4	0.0
	4/30/2013	NA	NA	5.76	17.0	0.248	26	12.20	63.5	3.9
	7/24/2013	NA	NA	6.56	24.5	0.199	-136	1.32	13.6	2.2
	10/24/2013	NA	NA	6.63	12.3	0.171	-92	5.56	10.7	0.0
	1/24/2014	NA	NA	6.30	10.5	0.111	0	12.93	80.9	NM
	4/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/18/2014	NA	NA	6.73	24.8	0.152	-37	10.65	20.8	0.0
	10/23/2014	NA	NA	6.70	13.3	0.158	6	2.68	12.3	3.5
	4/22/2015	NA	NA	6.39	15.2	0.144	-82	4.19	24	1.4
MW-76S	4/6/2011	0.00	3.1	6.87	14.0	0.441	-148	0.78	85.6	7.0
	10/25/2012	NA	NA	6.04	14.5	0.242	45	9.18	104	1.6
	2/6/2013	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/24/2013(5)	NA	NA	6.18	17.2	0.234	-70	5.76	63.2	1.25
	7/23/2013	NA	NA	6.16	24.0	0.269	-157	1.71	119.0	2.90
	10/25/2013	NA	NA	6.17	13.8	0.201	-1	4.33	88.6	0.56
	1/24/2014	NA	NA	6.17	11.3	0.062	125	12.79	73.9	0.0
	4/23/2014	NA	NA	3.39	12.6	0.553	228	4.29	21.5	0.0
	7/18/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/21/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/22/2015	NA	NA	7.78	15.9	0.095	236	5.52	131.0	2.2
MW-76I	4/8/2011	0.00	2.5	6.84	12.7	0.628	159	1.48	71.8	4.0
	10/25/2012	NA	NA	6.46	14.5	0.408	-23	8.51	166	4.25

TABLE 2

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HOOKER RUCO SITE
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Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
	2/6/2013	NA	NA	6.93	9.3	0.324	4	16.35	250	2.2
	4/24/2013	NA	NA	6.15	16.4	0.221	-74	4.90	NM	>5.0
	7/23/2013	NA	NA	6.25	22.7	0.211	0	2.14	>999	2.9
	10/25/2013	NA	NA	6.08	14.1	0.163	4	3.56	0	0.5
	1/24/2014	NA	NA	6.78	11.0	0.151	-8	12.62	149	0.7
	4/23/2014	NA	NA	4.35	14.3	1.09	106	5.08	>800	0.05
	7/18/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/21/2014	NA	NA	6.72	17.2	0.235	73	3.48	440	3.30
	4/22/2015	NA	NA	7.61	16.2	0.104	-216	4.43	>800	NM
MW-76D1	4/11/2011	0.00	3.1	6.91	13.8	0.185	-123	0.98	45.0	2.0
	10/25/2012	NA	NA	6.45	14.6	0.375	-14	8.32	295	5.00
	2/6/2013	NA	NA	7.37	8.7	0.206	-16	10.47	300	3.00
	4/30/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/23/2013	NA	NA	6.46	23.5	0.153	-148	7.76	359	3.94
	10/25/2013	NA	NA	4.43	12.1	0.085	97	11.27	210	0.08
	1/24/2014	NA	NA	6.94	10.2	0.128	-117	5.04	>800	NM
	4/23/2014	NA	NA	4.20	15.0	0.819	153	5.70	796	0.05
	7/21/2014	NA	NA	6.39	18.6	0.118	143	6.96	72.4	1.00
	10/21/2014	NA	NA	6.17	17.8	0.093	73	2.87	856	2.60
	4/22/2015	NA	NA	6.76	15.1	0.102	17	4.26	328	1.20
MW-76D2	4/8/2011	0.00	3.1	6.53	13.6	0.248	-59	1.37	178	4.8
	10/25/2012	NA	NA	6.52	14.6	0.253	-19	8.71	163	0.0
	2/6/2013	NA	NA	8.66	8.7	0.276	-76	16.45	100	0.0
	4/30/2013	NA	NA	6.55	16.7	0.197	15	14.13	398	2.2
	7/23/2013	NA	NA	5.88	23.2	0.180	-73	2.65	>999	>5.0
	10/25/2013	NA	NA	5.92	12.7	0.132	13	5.07	195	5.1
	1/24/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/23/2014	NA	NA	3.98	15.5	1.010	164	6.23	98.9	0.18
	7/21/2014	NA	NA	7.11	18.5	0.132	91	8.53	159	0.49
	10/21/2014	NA	NA	6.30	16.9	0.153	103	7.54	NM	>5.0
	4/22/2015	NA	NA	6.68	15.1	0.116	-66	4.25	>800	NM
MW-77D1	4/14/2011	0.00	3.1	6.20	15.6	0.297	-194	0.24	36.4	3.5
	10/25/2012	NA	NA	6.20	15.5	0.106	5	9.93	252	0.0
	2/6/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/26/2013	NA	NA	8.86	18.4	0.18	-64	8.03	589	3.52
	7/24/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-77D2	4/14/2011	0.00	3.1	6.66	14.2	0.206	-111	0.72	11.2	4.0
	10/25/2012	NA	NA	6.60	15.2	0.190	-35	14.28	31	0.0
	2/6/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/26/2013	NA	NA	7.92	18.0	0.161	-141	5.39	5.20	>5.0
	7/24/2013	NA	NA	6.43	21.2	0.165	-79	2.06	68.3	1.46
	10/25/2013	NA	NA	5.66	11.3	0.058	27	11.71	322	1.17
	1/23/2014	NA	NA	6.52	9.1	0.057	-107	12.21	129	1.20
	4/24/2014	NA	NA	7.40	10.8	0.163	46	3.49	515	0.0
	7/18/2014	NA	NA	6.97	20.4	0.138	78	1.37	997	0.0
	10/21/2014	NA	NA	6.56	17.3	0.161	174	3.71	877	>5.0
	4/24/2015	NA	NA	7.93	10.3	0.098	170	13.50	501	0.0
MW-81D1	4/12/2006	0.16	2.9	6.44	14.5	0.228	-65	0.00	132	1.47
	5/2/2006	0.05	2.9	5.44	15.1	0.303	-31	0.00	0.9	3.20
	5/17/2006	0.00	3.9	6.04	16.8	0.263	-75	0.00	86.4	2.81
	5/25/2006	0.07	2.5	5.62	15.6	0.268	-32	0.00	31.1	>3.3
	10/24/2006	0.08	4.0	5.72	14.5	0.420	15	2.26	14	3.23
	10/25/2006	0.21	0.7	5.77	15.3	0.349	-55	3.01	0.0	9.76
	10/26/2006	-0.08	1.3	6.02	14.7	0.321	-25	0.00	0.0	10.12
	1/29/2007	-0.07	6.1	6.19	13.1	0.429	-55	2.26	704	2.36
	4/19/2007	0.18	5.3	6.20	14.2	0.380	-128	0.00	629	2.06
	7/23/2007	0.07	5.3	6.13	15.9	0.247	-22	0.74	9.2	5.19
	10/9/2007	0.00	7.9	6.02	15.8	0.228	-77	3.08	5.1	4.98

TABLE 2

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HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
	4/21/2008	0.06	3.6	6.67	15.5	0.181	-99	0.92	0.0	2.69
	10/28/2008	0.00	4.0	5.13	15.3	0.215	292	17.31	336	2.04
	4/7/2009	0.07	4.7	5.75	13.1	0.274	158	0.04	0.0	5.52
	10/15/2009	0.00	1.3	5.30	13.8	0.210	216	8.90	30.7	0.71
	5/6/2010	0.00	2.7	6.03	16.5	0.159	72	0.00	54.3	2.2
	11/17/2010	-0.02	1.8	5.75	15.1	0.116	327	3.54	0.0	0.0
	4/7/2011	0.41	4.3	6.22	13.7	0.210	27	0.48	229	2.2
	11/30/2011	NA	NA	7.16	10.8	0.146	NM	12.58	77.4	NM
	5/23/2012	NA	NA	8.72	18.6	0.135	80	9.90	156	0.44
	11/5/2012	NA	NA	*	12.9	0.182	112	12.24	79.5	2.88
	5/2/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/28/2013	NA	NA	8.55	14.1	0.135	-137	8.41	29.6	0.68
	4/29/2014	NA	NA	5.80	13.6	0.185	146	8.94	32.3	0.00
	10/30/2014	NA	NA	8.66	15.8	0.151	87	19.39	22.4	0.12
	4/24/2015(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-81D2	4/12/2006	0.05	2.4	5.79	15.2	0.357	-51	0.00	4.1	5.04
	5/4/2006	0.00	5.8	6.12	16.8	0.204	-6	1.10	119	1.37
	5/18/2006	0.12	3.4	8.18	15.1	0.220	-58	0.00	906	>3.30
	5/26/2006	0.21	3.2	8.58	15.8	0.225	-129	0.00	>999	>3.3
	10/24/2006	0.09	3.2	6.33	14.5	0.263	78	16.87	396	2.37
	10/25/2006	-0.04	1.9	6.49	15.7	0.251	73	17.96	170	0.40
	10/26/2006	0.21	1.9	7.64	15.1	0.229	93	15.00	>999	0.74
	1/24/2007	-0.05	5.9	7.21	13.1	0.234	-39	2.90	>999	0.98
	4/18/2007	0.00	1.3	9.84	12.5	0.301	-110	0.00	519	2.71
	7/19/2007	0.08	2.6	6.03	17.6	0.181	48	14.10	121	1.48
	10/10/2007	0.18	7.5	6.72	15.3	0.180	35	7.45	413	9.39
	4/18/2008	0.00	2.4	6.50	15.8	0.171	81	4.23	130	0.45
	10/22/2008	0.10	1.8	7.20	15.6	0.147	107	>20	0.0	0.09
	4/7/2009	0.07	1.3	6.12	12.4	0.161	326	10.58	31.8	0.45
	10/14/2009	0.03	3.4	6.13	15.1	0.162	227	18.39	14.9	0.50
	5/10/2010	-0.06	1.9	6.41	14.9	0.133	93	9.69	0.0	0.50
	11/16/2010	-0.24	4.3	6.32	14.5	0.137	254	13.28	297	1.0
	4/7/2011	0.00	4.9	6.46	13.6	0.181	85	2.92	0.0	0.0
	11/30/2011	NA	NA	6.57	12.8	0.184	NM	11.01	83.0	NM
	5/23/2012	NA	NA	8.90	17.8	0.128	64	10.23	0	1.8
	11/5/2012	NA	NA	*	NM	NM	NM	NM	NM	NM
	5/2/2013	NA	NA	7.68	14.6	0.162	46	17.28	489	3.9
	10/28/2013	NA	NA	10.12	14.0	0.121	NM	2.97	39	0.0
	4/29/2014	NA	NA	6.93	13.5	0.193	119	8.94	55	0.0
	10/30/2014	NA	NA	8.80	15.7	0.156	86	15.60	58	NM
	4/24/2015	NA	NA	8.58	12.0	0.153	-61	5.18	55	1.5
MW-82D1	4/17/2006	0.00	2.8	6.88	16.4	0.391	-126	0.00	10.8	1.28
	4/25/2006	0.12	4.9	6.23	17.2	0.351	-170	0.00	281	1.89
	5/11/2006	0.10	2.4	6.39	16.5	0.356	-190	0.00	150	4.32
	5/25/2006	0.00	6.6	6.27	17.8	0.341	-200	0.00	226	5.22
	5/31/2006	0.00	5.0	6.98	20.8	0.374	-214	0.00	297	5.28
	10/24/2006	0.23	0.9	6.44	14.5	0.411	-119	1.93	202	6.14
	10/25/2006	0.00	1.6	7.37	14.5	0.491	-154	0.00	9	9.36
	10/26/2006	0.02	1.0	6.63	16.0	0.317	-142	2.77	116	6.32
	11/30/2006	-0.30	2.6	7.39	15.8	0.463	-158	0.00	252	1.86
	12/20/2006	0.05	2.3	6.89	12.9	0.327	-149	0.00	146	1.98
	1/25/2007	0.05	5.7	7.25	12.9	0.440	-145	1.21	48.8	1.94
	4/20/2007	0.05	2.6	6.76	18.1	0.305	-153	0.76	357	2.79
	7/25/2007	0.05	3.0	5.39	23.0	0.186	95	15.15	73	2.58
	10/18/2007	0.04	3.6	6.04	18.1	0.219	125	0.73	339	5.25
	1/23/2008	0.00	4.2	6.13	13.3	0.239	-38	1.89	7.8	5.82
	4/25/2008	0.45	4.3	4.35	17.5	0.183	108	0.13	81.2	1.49
	7/18/2008	0.03	5.3	5.73	17.6	0.147	96	3.38	0	NM
	10/30/2008	0.00	3.7	4.79	15.9	0.168	309	<20	137	NM

TABLE 2

QUARTERLY REPORT
FIRST QUARTER 2015 (JANUARY THROUGH MARCH)
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
	4/13/2009	0.04	3.5	5.81	14.3	0.184	328	5.35	145	0.21
	10/20/2009	0.03	2.7	5.50	16.4	0.176	231	8.08	0.0	0.26
	5/12/2010	-0.06	1.8	5.81	14.2	0.161	53	7.01	527	0.0
	11/17/2010	0.02	1.8	6.12	16.5	0.097	307	8.00	321	NM
	5/19/2011	0.20	3.1	5.95	15.5	0.161	277	6.70	9.7	0.0
	12/1/2011	NA	NA	7.14	10.7	0.178	NM	14.35	151.0	NM
	5/23/2012	NA	NA	6.77	18.1	0.138	138	7.91	130.0	5.0
	10/26/2012	NA	NA	7.40	18.5	0.154	95	7.18	43.3	0.67
	5/1/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/25/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/25/2014	NA	NA	6.07	14.5	0.163	177	5.83	30.4	0.00
	10/30/2014	NA	NA	9.10	14.1	0.147	56	6.75	70.0	1.40
	4/24/2015	NA	NA	10.07	8.2	0.099	7	16.00	32.0	0.00
MW-82D2	4/17/2006	0.08	3.6	6.14	16.2	0.256	-152	0.00	636	5.12
	4/24/2006	0.00	4.3	7.34	15.7	0.295	-367	0.00	315	1.64
	5/25/2006	0.00	2.9	6.06	17.2	0.239	-140	0.00	95	3.02
	6/5/2006	0.05	3.0	6.52	17.7	0.251	-139	0.00	65.1	6.40
	5/31/2006	0.00	3.9	6.54	16.7	0.239	-125	0.00	27.9	6.58
	10/24/2006	0.07	4.1	6.91	16.3	0.231	-166	0.38	234	10.44
	10/25/2006	-0.08	1.0	6.07	15.4	0.282	-95	1.98	6.8	11.64
	10/26/2006	0.14	1.3	6.23	17.5	0.260	-110	3.37	59	8.60
	11/30/2006	0.00	2.7	7.48	16.6	0.313	-179	0.00	37.9	2.31
	12/20/2006	0.00	3.4	7.11	14.1	0.226	-178	0.00	14.1	0.34
	1/25/2007	0.00	3.2	7.23	13.5	0.284	-147	1.70	66.1	2.01
	4/20/2007	0.00	3.4	6.87	18.9	0.182	-183	0.61	182	1.91
	7/25/2007	0.05	3.7	6.49	18.9	0.211	-192	0.50	47	6.56
	10/18/2007	0.05	5.2	9.88	20.6	0.499	-359	2.93	760	1.22
	1/23/2008	0.00	4.2	6.59	13.9	0.183	-147	1.51	61.5	4.74
	4/24/2008	0.28	2.9	7.80	19.0	0.217	-352	0.00	0	2.43
	7/18/2008	0.00	4.7	7.66	25.0	0.153	-472	0.00	0	16.32
	10/30/2008	0.00	1.9	5.62	15.4	0.169	-3	0.84	138	3.01
	4/13/2009	0.03	3.6	6.49	16.5	0.249	282	>20	113	0.05
	10/20/2009	0.09	4.4	6.98	16.5	0.197	-260	0.07	4.5	1.13
	5/12/2010	0.00	3.1	7.38	15.1	0.165	-137	0.00	42	1.0
	11/18/2010	0.17	1.5	6.75	14.8	0.109	276	0.83	21	1.2
	4/27/2011	0.02	4.9	6.52	15.8	0.187	-19	3.38	4.5	1.0
	12/1/2011	NA	NA	8.64	10.4	0.160	NM	11.74	477	NM
	5/23/2012	NA	NA	7.43	17.9	0.159	123	7.97	474	5.0
	10/26/2012	NA	NA	7.91	18.3	0.162	56	>20	0	3.2
	5/1/2013	NA	NA	7.31	17.3	0.158	238	8.33	>1000	>5.0
	10/25/2013	NA	NA	8.40	11.5	0.160	-127	11.22	144	0.0
	4/25/2014	NA	NA	8.00	13.9	0.161	73	3.38	>800	0.13
	10/30/2014	NA	NA	9.38	14.6	0.142	76	0.88	142	0.0
	4/24/2015	NA	NA	7.91	8.0	0.069	132	15.04	199	0.0
MW-83D1	4/11/2006	0.08	4.3	10.04	15.3	0.472	-195	0.00	648	0.20
	5/1/2006	0.07	4.5	10.35	17.1	0.518	-125	0.00	178	0.44
	5/16/2006	0.01	5.7	11.56	13.5	0.978	-235	0.00	>999	1.20
	5/24/2006	0.05	6.3	10.89	16.0	0.375	-211	0.00	350	1.36
	10/24/2006	0.20	1.0	11.70	13.1	1.190	70	0.00	108	1.94
	10/25/2006	0.11	2.0	12.80	14.4	0.990	-146	0.00	102	0.23
	10/26/2006	0.24	3.1	10.30	14.1	0.561	-64	2.06	9.9	0.06
	1/30/2007	0.03	5.3	11.07	13.4	0.342	6	1.74	79.4	0.01
	4/18/2007	0.00	4.9	10.70	12.7	0.256	-70	0.00	690	0.0
	7/17/2007	0.00	2.4	10.70	16.3	0.271	-14	0.41	12	0.04
	10/12/2007	0.00	12.4	10.10	15.3	0.226	64	3.00	127	0.13
	1/22/2008	0.03	4.4	10.52	13.5	0.283	174	8.34	0.0	0.12
	4/17/2008	0.00	8.4	10.08	14.6	0.275	151	2.32	163	0.03
	7/15/2008	0.03	8.0	9.26	14.9	0.103	216	1.91	0	NM
	10/24/2008	0.03	4.1	8.65	15.6	0.264	291	8.31	35.1	0.04

QUARTERLY REPORT
FIRST QUARTER 2015 (JANUARY THROUGH MARCH)
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level* [(1) (4)] *(feet)*	*Well Screen Volumes Purged* [(4)]	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe $^{+2}$ (mg/L)*
	4/8/2009	0.10	6.2	7.71	13.7	0.276	274	1.44	61.1	0.09
	10/14/2009	0.01	4.0	7.01	14.9	0.285	361	13.17	141	0.41
	5/5/2010	0.02	6.1	5.50	15.3	0.254	284	3.50	9.1	NM
	11/15/2010	0.05	2.5	8.36	15.2	0.216	271	9.14	317	0.0
	4/7/2011	0.00	3.1	7.12	13.1	0.259	135	4.18	11.8	0.0
	11/30/2011	NA	NA	4.95	13.2	0.187	NM	>20	>999	NM
	5/23/2012	NA	NA	9.47	18.9	0.381	132	12.32	150	0.0
	10/24/2012	NA	NA	5.40	16.3	0.285	276	7.22	105	0.0
	5/1/2013	NA	NA	6.88	18.9	0.195	212	19.10	108	2.9
	10/29/2013	NA	NA	6.68	13.6	0.100	NM	13.65	15.7	0.5
	4/29/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/30/2014	NA	NA	8.60	15.1	0.161	112	11.80	137	1.2
	4/24/2015	NA	NA	5.99	11.2	0.136	181	17.82	29	0.2
MW-83D2	5/2/2006	-0.25	3.6	6.00	15.0	0.235	7.22	1.70	0.0	0.49
	5/16/2006	0.08	4.5	6.88	15.0	0.224	42	2.02	0.0	0.02
	5/25/2006	0.13	2.4	6.61	15.5	0.216	73	2.91	0.0	0.00
	10/24/2006	0.09	4.9	6.56	13.7	0.226	241	>19.99	17.5	9.88
	10/25/2006	0.10	1.2	6.18	14.3	0.297	179	>20	92	0.0
	10/26/2006	0.10	1.5	6.46	13.1	0.216	171	>20	0.0	0.06
	1/29/2007	0.00	2.9	6.55	10.3	0.197	249	13.20	69.3	0.0
	4/18/2007	0.21	3.4	8.16	13.0	0.233	97	0.00	103	0.0
	7/17/2007	0.04	3.0	6.42	17.3	0.147	289	>19.99	25	0.08
	10/15/2007	0.15	13.0	5.92	15.6	0.140	279	11.44	0.0	0.23
	1/22/2008	0.11	5.3	6.76	13.3	0.174	328	>20	0.0	0.14
	4/17/2008	0.10	11.1	6.35	15.2	0.169	295	>20	0.0	0.04
	7/15/2008	0.34	4.1	7.00	*	0.140	270	8.50	0.0	0.04
	10/21/2008	0.12	2.6	6.26	14.9	0.120	297	0.92	2.9	0.00
	4/8/2009	0.09	2.3	6.04	13.0	0.162	370	20.00	7.1	0.01
	10/13/2009	0.10	2.4	5.70	15.2	0.146	380	19.81	0.0	0.01
	5/6/2010	0.17	2.5	4.38	15.5	0.060	190	11.32	46	NM
	11/16/2010	0.00	2.5	6.85	14.7	0.127	370	16.45	632	0.0
	4/7/2011	0.00	4.3	6.12	13.3	0.170	249	17.54	16.6	0.0
	11/30/2011	NA	NA	6.26	14.2	0.146	NM	16.99	141	NM
	5/23/2012	NA	NA	8.84	17.7	0.156	79	12.67	75	0.0
	10/24/2012	NA	NA	6.53	16.3	0.165	225	9.81	70.8	0.0
	5/1/2013	NA	NA	7.00	19.4	0.144	162	12.34	52.5	1.0
	10/29/2013	NA	NA	7.26	13.9	0.100	-63	8.73	15.1	0.3
	4/29/2014	NA	NA	6.44	13.3	0.148	172	8.38	2.2	0.0
	10/30/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/24/2015	NA	NA	5.53	9.3	0.191	240	19.73	16	0.6
MW-84D1	5/23/2006	0.09	1.7	6.25	16.1	0.301	-71	0.00	18.5	3.19
	5/26/2006	0.00	3.4	6.45	16.8	0.305	-118	0.00	91.9	4.50
	6/6/2006	0.15	4.1	6.55	16.6	0.280	-139	0.00	10.3	5.50
	6/8/2006	0.00	5.1	6.58	16.3	0.263	-163	0.00	10.4	2.35
	10/24/2006	0.00	4.7	5.46	15.7	0.197	50	7.89	54.7	1.44
	10/25/2006	0.06	1.3	6.32	15.4	0.296	86	8.03	0.0	1.37
	10/26/2006	0.04	2.9	6.19	15.8	0.300	78	6.51	77	1.19
	1/30/2007	0.00	3.6	6.16	13.1	0.254	160	7.53	188	1.24
	4/24/2007	0.00	3.6	6.49	16.5	0.249	282	>20	113	0.05
	7/24/2007	0.10	5.1	6.26	19.2	0.137	301	>20	6.9	0.05
	10/17/2007	0.21	4.9	6.45	15.8	0.143	304	8.81	85	0.62
	1/28/2008	0.07	4.5	6.46	13.9	0.157	303	>20	70.4	0.0
	4/24/2008	0.04	4.4	7.34	17.2	0.165	210	0.60	83	0.03
	7/17/2008	0.17	2.8	6.93	20.0	0.141	95	14.51	0.0	0.13
	10/29/2008	0.03	2.8	5.69	14.1	0.125	319	12.18	231	0.0
	4/9/2009	0.14	4.4	5.71	15.2	0.142	214	13.34	12.5	0.0
	10/19/2009	0.10	3.6	6.01	15.5	0.137	271	10.98	0.0	0.19
	5/12/2010	0.00	2.4	6.63	14.7	0.125	127	9.85	30	NM
	11/18/2010	0.00	0.6	6.66	15.4	0.137	207	7.94	6.7	NM

QUARTERLY REPORT
FIRST QUARTER 2015 (JANUARY THROUGH MARCH)
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level* [(1) (4)] *(feet)*	*Well Screen Volumes Purged* [(4)]	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe^{+2} (mg/L)*
	4/27/2011	0.00	NM	6.45	15.6	0.129	210	7.54	5.3	NM
	12/1/2011	NA	NA	8.82	9.7	0.135	NM	13.98	250	NM
	5/24/2012	NA	NA	7.10	17.7	0.117	185	10.30	283	0.00
	10/26/2012	NA	NA	6.65	16.7	0.156	72	7.29	96.2	1.08
	5/1/2013	NA	NA	7.71	17.9	0.151	250	12.62	197	0.72
	10/25/2013	NA	NA	5.73	11.5	0.093	23	12.48	84.7	1.50
	4/25/2014	NA	NA	7.35	13.8	0.154	134	6.86	68.2	0.26
	10/23/2014	NA	NA	6.72	12.6	0.169	110	7.66	104	2.00
	4/24/2015	NA	NA	7.42	7.7	0.061	169	14.19	101	0.00
MW-84D2	5/23/2006	0.15	3.9	6.74	17.4	0.246	-131	0.00	780	12.68
	5/30/2006	0.20	2.4	6.59	18.8	0.241	-152	2.70	595	3.18
	6/6/2006	0.00	5.7	7.17	16.8	0.219	-221	0.00	228	2.70
	6/8/2006	0.00	3.0	6.78	16.5	0.220	-162	0.00	230	3.78
	10/24/2006	0.00	6.8	8.47	14.9	0.295	-90	4.69	131	1.53
	10/25/2006	-0.02	1.0	8.68	15.1	0.395	-47	2.84	127	0.27
	10/26/2006	-0.01	5.0	8.00	15.5	0.393	-77	2.67	>999	0.64
	1/29/2007	0.00	1.9	9.97	12.2	0.322	7	3.91	199	0.18
	4/24/2007	0.10	6.7	10.22	16.5	0.339	138	16.31	470	0.30
	7/24/2007	0.10	8.9	10.33	20.6	0.313	139	>20	200	0.21
	10/17/2007	0.09	4.7	10.88	17.1	0.396	34	4.68	817	0.23
	1/28/2008	0.00	6.5	11.01	13.8	0.789	97	9.91	187	0.79
	4/23/2008	0.20	12.9	10.97	16.8	0.575	6	3.96	603	0.09
	7/17/2008	0.16	4.1	10.05	18.1	0.287	13	14.05	>999	0.27
	10/29/2008	0.00	2.4	10.12	15.6	0.351	160	8.33	320	0.25
	4/9/2009	0.00	4.9	10.45	15.7	0.316	70	10.15	367	0.08
	10/16/2009	0.00	5.8	10.19	14.6	0.257	135	14.65	>999	1.45
	5/25/2010	0.00	3.1	10.63	21.9	0.233	-20	11.75	430	0.0
	11/18/2010	0.00	2.5	10.67	15.3	0.235	-21	0.79	>999	0.0
	4/15/2011	0.00	3.1	10.65	13.4	0.056	-49	0.37	144	0.0
	12/1/2011	NA	NA	10.67	9.3	0.242	NM	11.00	885	NM
	5/24/2012	NA	NA	6.84	19.4	0.123	114	4.83	0	0.5
	10/26/2012	NA	NA	10.20	16.6	0.251	-28	3.14	800	5.0
	5/1/2013 [(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/25/2013	NA	NA	6.94	11.5	0.148	-45	12.51	108	NA
	4/25/2014	NA	NA	9.93	13.5	0.232	21	1.72	>800	0.26
	10/23/2014	NA	NA	10.08	12.6	0.202	54	3.49	>1000	1.30
	4/24/2015	NA	NA	9.88	8.2	0.178	89	8.35	394	0.00
MW-85S	4/20/2011	0.25	3.1	6.16	14.1	0.144	46	4.38	21.3	0.5
	10/26/2012	NA	NA	NM	NM	NM	NM	NM	NM	NM
	2/4/2013	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/30/2013	NA	NA	7.09	19.1	0.155	180	7.88	363	>5.0
	7/24/2013	NA	NA	6.91	25.1	0.204	12	1.39	>999	0.4
	10/28/2013 [(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	1/27/2014	NA	NA	7.32	14.1	0.185	112	11.37	338	NM
	4/24/2014	NA	NA	7.64	13.8	0.181	161	5.97	>800	0.0
	7/17/2014	NA	NA	8.05	21.3	0.101	26	4.98	>1000	NM
	10/31/2014	NA	NA	8.70	14.2	0.199	20	9.22	0.0	1.4
	4/23/2015 [(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-85I	4/20/2011	0.13	3.1	6.14	14.5	0.144	93	2.90	67	2.4
	10/26/2012	NA	NA	NM	NM	NM	NM	NM	NM	NM
	2/4/2013	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/30/2013	NA	NA	6.79	19.9	NM	-57	5.63	655	>5.0
	7/24/2013	NA	NA	6.96	24.7	0.151	-139	0.42	>999	0.1
	10/28/2013	NA	NA	8.56	12.9	0.095	-137	10.87	>800	1.3
	1/27/2014	NA	NA	7.22	12.3	0.137	-61	10.43	771	NM
	4/24/2014	NA	NA	7.67	12.9	0.202	87	10.21	437	0.19
	7/17/2014	NA	NA	7.24	20.7	0.203	92	5.36	934	2.30
	10/31/2014	NA	NA	8.57	14.3	0.168	24	9.22	0.0	>5.0
	4/23/2015	NA	NA	7.64	16.6	0.148	59	6.55	642	0.34

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Well	*Date Sampled*	*Drawdown from Initial Water Level* [(1) (4)] *(feet)*	*Well Screen Volumes Purged* [(4)]	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe^{+2} (mg/L)*
MW-85D1	4/20/2011	0.00	2.6	6.87	15.1	0.253	-33	3.75	160	(3)
	10/26/2012	NA	NA	6.63	18.30	0.137	18	>20	286	5.0
	2/4/2013	NA	NA	8.44	8.9	0.207	1	7.26	580	2.0
	4/30/2013	NA	NA	8.18	17.1	0.168	28	9.02	604	>5.0
	7/24/2013	NA	NA	9.54	22.8	0.154	-130	2.06	717	>5.0
	10/28/2013[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	1/27/2014	NA	NA	7.37	12.2	0.131	-83	11.37	697	NM
	4/24/2014	NA	NA	9.64	13.8	0.193	50	6.35	>800	0.0
	7/17/2014	NA	NA	9.13	21.1	0.169	39	4.68	492	2.0
	10/31/2014	NA	NA	9.62	15.0	0.179	-10	11.29	227	>5.0
	4/23/2015	NA	NA	8.67	13.6	0.141	120	11.43	>800	0.0
MW-85D2	4/20/2011	0.00	3.7	6.35	14.7	0.201	-190	1.59	3.6	4.0
	10/26/2012	NA	NA	7.96	18.2	0.196	29	14.34	800	5.0
	2/4/2013	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/30/2013	NA	NA	8.01	18.4	0.128	155	7.90	>1000	>5.0
	7/24/2013	NA	NA	7.27	20.7	0.164	6	1.89	290	1.6
	10/28/2013	NA	NA	7.85	19.3	0.116	-98	3.03	>800	0.7
	1/27/2014	NA	NA	7.86	12.3	0.121	-98	12.81	>800	NM
	4/24/2014	NA	NA	8.74	18.1	0.103	36	9.77	>800	0.09
	7/17/2014	NA	NA	9.27	20.7	0.113	13	2.82	143	2.60
	10/31/2014	NA	NA	9.87	14.7	0.144	-46	7.77	176	1.60
	4/23/2015	NA	NA	7.81	13.4	0.063	141	11.07	483	NM
MW-86D1	4/18/2011	0.00	3.1	6.53	14.6	0.240	-107	0.74	79.0	2.0
	10/24/2012	NA	NA	6.23	16.8	0.226	67	>20	100	0.68
	2/6/2013	NA	NA	6.84	9.0	0.122	87	14.5	0.0	1.0
	4/29/2013	NA	NA	4.44	14.6	0.186	135	5.99	32.1	2.5
	7/24/2013	NA	NA	6.59	22.6	0.186	-103	2.61	14.6	0.0
	10/29/2013[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	1/23/2014	NA	NA	4.41	6.8	0.148	27	14.90	90.2	NM
	4/29/2014	NA	NA	5.89	14.7	0.195	25	3.56	59.8	0.1
	7/17/2014	NA	NA	7.43	22.3	0.179	-102	4.35	8.7	3.0
	10/31/2014	NA	NA	6.46	14.5	0.154	39	6.42	12.9	0.0
	4/24/2015	NA	NA	8.28	11.1	0.143	-37	7.48	70	0.1
MW-86D2	4/18/2011	0.01	2.5	6.89	15.1	0.219	-107	1.24	34.6	3.0
	10/24/2012	NA	NA	6.80	16.9	0.178	-115	2.49	422	0.39
	2/6/2013	NA	NA	7.11	11.3	0.160	-45	13.05	800	2.0
	4/29/2013	NA	NA	6.04	14.9	0.164	-64	5.44	160	3.4
	7/24/2013	NA	NA	6.91	22.0	0.153	-165	0.93	371	1.8
	10/29/2013	NA	NA	6.89	12.4	0.124	-43	4.30	>800	0.0
	1/23/2014	NA	NA	7.11	8.9	0.156	-101	12.18	>800	0.0
	4/29/2014	NA	NA	4.76	15.0	0.261	168	5.83	102	0.0
	7/17/2014[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/31/2014	NA	NA	6.91	13.7	0.160	39	6.63	287	0.7
	4/24/2015	NA	NA	7.93	10.4	0.129	-89	10.90	0.0	0.0
MW-87D1	4/5/2006	-0.04	2.9	5.04	12.8	0.197	142	0.00	64	0.99
	4/20/2006	0.02	3.9	4.94	17.5	0.184	218	0.00	43.8	0.30
	5/4/2006	0.02	2.6	5.03	16.2	0.187	231	0.00	0.0	0.34
	5/15/2006	0.02	2.0	5.28	15.1	0.165	207	0.00	66.2	0.27
	10/24/2006	0.25	4.5	5.45	14.9	0.229	234	0.70	5.4	0.17
	10/25/2006	-0.01	2.8	5.23	15.9	0.224	221	0.00	0.0	0.35
	10/26/2006	0.03	2.1	5.26	15.0	0.192	226	2.63	22.2	0.05
	1/24/2007	0.10	2.1	5.31	14.7	0.200	248	0.78	11.0	0.10
	4/17/2007	0.10	5.3	5.47	14.5	0.999	169	0.00	62	0.14
	7/17/2007	0.00	4.0	5.30	17.2	0.186	223	0.44	54	0.09
	10/8/2007	0.00	5.7	5.30	19.1	0.229	203	4.39	17.3	0.40
	4/16/2008	0.07	9.0	5.04	15.7	0.193	322	8.35	220	0.05
	10/21/2008	0.00	3.4	4.34	15.0	0.193	463	>20	16.2	0.00
	4/7/2009	0.00	3.6	5.12	14.0	0.148	289	8.62	0.0	0.00
	10/13/2009	0.03	2.4	4.60	16.1	0.205	379	16.18	0.0	0.17

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Well	*Date Sampled*	*Drawdown from Initial Water Level* [(1) (4)] *(feet)*	*Well Screen Volumes Purged* [(4)]	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe^{+2} (mg/L)*
	5/3/2010	0.00	4.9	3.23	16.2	0.170	282	5.74	2.0	0.0
	11/29/2010	0.00	3.4	5.88	16.2	0.133	192	2.75	5.8	0.0
	4/19/2011	0.05	2.5	5.18	13.6	0.200	300	3.72	325	0.0
	11/30/2011	NA	NA	6.32	14.5	0.156	NM	13.98	80.2	NM
	5/24/2012	NA	NA	6.28	18.5	0.154	149	11.51	74.0	1.4
	11/5/2012	NA	NA	8.67	13.2	0.151	105	>20	104	1.6
	5/2/2013[(5)]	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/28/2013	NA	NA	7.33	14.0	0.132	-67	13.76	137	0.1
	4/29/2014	NA	NA	5.53	13.5	0.179	201	8.53	99	0.0
	7/21/2014	NA	NA	9.28	20.4	0.115	177	13.90	68	1.4
	10/31/2014	NA	NA	6.24	15.3	0.172	123	12.91	159	1.3
	4/24/2015	NA	NA	8.44	12.4	0.161	-75	19.54	247	1.7
MW-87D2	4/5/2006	0.00	2.8	5.21	14.1	0.172	121	1.81	129	1.14
	4/25/2006	-0.05	5.1	5.40	15.5	0.163	149	2.62	42.8	0.20
	5/15/2006	0.32	4.3	5.80	15.4	0.152	104	1.59	54.8	NM
	5/24/2006	0.10	4.9	5.45	16.2	0.155	163	1.62	0.0	1.36
	10/24/2006	0.13	3.9	5.69	15.5	0.183	212	4.00	131	0.08
	10/25/2006	0.06	1.5	5.34	15.5	0.173	137	6.68	25.5	0.09
	10/26/2006	-0.03	2.1	5.37	15.2	0.160	226	4.53	0.0	0.02
	1/24/2007	0.00	4.7	5.61	13.3	0.186	131	3.64	160	0.25
	4/17/2007	0.00	5.3	5.83	14.5	0.228	106	3.89	0.9	0.09
	7/16/2007	0.00	2.0	5.65	17.8	0.168	145	3.31	5.1	0.07
	10/9/2007	0.18	2.9	5.57	16.2	0.172	287	7.45	60.1	0.12
	4/16/2008	0.00	6.9	5.37	15.9	0.174	288	5.39	0.0	0.01
	10/21/2008	0.08	1.6	4.65	16.9	0.158	440	9.66	27	0.00
	4/7/2009	0.03	4.4	4.60	13.0	0.175	346	9.90	7.0	0.06
	10/13/2009	0.00	2.1	5.05	16.0	0.176	341	5.30	49.7	0.26
	5/5/2010	0.05	0.2	4.34	15.3	0.138	222	4.15	17.1	NM
	11/15/2010	0.01	2.5	5.21	15.4	0.148	397	12.41	7.7	0.0
	4/18/2011	0.00	3.1	5.52	14.9	0.173	234	3.46	5.6	0.0
	11/30/2011	NA	NA	6.94	12.7	0.110	NM	11.08	52.2	NM
	5/24/2012	NA	NA	NM	NM	NM	NM	NM	NM	2.1
	11/5/2012	NA	NA	7.91	18.3	0.162	86	>20	0.0	1.0
	5/2/2013	NA	NA	6.65	15.9	0.108	312	15.02	71.0	2.2
	10/28/2013	NA	NA	5.99	14.1	0.094	9	4.86	66.9	0.4
	4/29/2014	NA	NA	5.61	12.5	0.160	160	5.63	30.9	0.0
	7/21/2014	NA	NA	5.70	18.4	0.133	206	7.98	30.9	0.0
	10/31/2014	NA	NA	7.86	14.9	0.169	149	10.72	29.7	3.1
	4/24/2015	NA	NA	5.65	12.9	0.166	172	14.19	75.0	2.8
MW-88D1	4/19/2006	0.08	2.9	6.09	17.9	0.273	-90	0.00	>999	9.64
	4/26/2006	0.32	6.7	5.99	16.7	0.204	-53	0.00	589	4.96
	5/10/2006	0.25	4.2	5.68	15.4	0.200	-2	0.00	393	2.75
	5/30/2006	0.00	3.6	5.90	17.1	0.188	-65	3.13	408	3.62
	6/1/2006	0.10	5.0	6.13	19.9	0.188	-73	0.00	367	5.12
	10/24/2006	0.06	1.8	6.06	15.6	0.252	-43	0.00	88.6	11.04
	10/25/2006	0.09	1.4	5.86	15.3	0.233	-13	0.00	4.7	10.20
	10/26/2006	0.00	3.4	5.59	15.6	0.317	33	3.36	415	6.56
	1/30/2007	0.10	2.9	6.12	11.8	0.193	-45	1.16	257	2.01
	4/19/2007	0.03	4.9	5.84	15.4	0.187	172	11.88	334	1.84
	7/26/2007	0.22	2.0	5.75	22.4	0.249	232	9.48	284	0.74
	10/16/2007	0.00	2.5	6.35	17.7	0.226	3	0.02	92	5.47
	4/25/2008	0.11	2.8	6.11	17.8	0.226	225	5.95	967	0.52
	10/30/2008	NM	3.8	5.06	15.8	0.200	339	>20	14.1	0.00
	4/13/2009	0.01	5.5	5.46	16.0	0.174	205	16.71	>999	0.31
	10/21/2009	0.02	2.1	5.66	16.0	0.235	253	>20	268	0.47
	5/11/2010	0.02	5.7	5.94	15.5	0.191	177	19.00	177	0.50
	11/17/2010	0.03	2.5	6.12	17.0	0.121	366	13.04	39.7	0.0
	4/15/2011	0.00	3.1	5.89	14.0	0.195	184	14.39	163	0.0
	12/1/2011	NA	NA	7.51	8.6	0.182	NM	17.16	>999	NM

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Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
	5/24/2012	NA	NA	9.06	18.7	0.252	65	8.82	594	0.0
	10/26/2012	NA	NA	6.94	17.6	0.200	83	10.88	204	1.15
	5/1/2013	NA	NA	8.18	17.0	0.162	202	13.77	783	1.22
	10/28/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/25/2014	NA	NA	5.72	14.7	0.176	197	8.44	56.5	0.06
	10/30/2014	NA	NA	7.79	13.3	0.160	82	12.59	127	0.31
	4/24/2015	NA	NA	8.15	8.4	0.106	150	14.59	148	NM
MW-88D2	4/20/2006	0.00	3.7	6.25	17.4	0.244	-152	0.00	951	6.16
	5/10/2006	0.03	3.5	8.05	16.6	0.330	-331	0.00	>999	9.44
	6/1/2006	0.00	4.9	7.24	18.5	0.287	-210	0.00	>999	12.95
	6/7/2006	0.10	4.3	8.44	15.9	0.320	-380	0.00	>999	12.52
	10/24/2006	0.00	5.8	9.10	15.8	0.387	-282	1.44	>999	18.96
	10/25/2006	0.17	1.0	9.44	15.0	0.426	-253	1.97	>999	11.40
	10/26/2006	0.00	1.5	7.33	17.7	0.286	-212	0.00	>999	NM
	1/25/2007	0.00	8.5	9.17	11.3	0.323	-315	0.82	993	0.16
	4/19/2007	0.10	4.0	7.13	16.8	0.278	-219	0.37	>999	2.17
	7/26/2007	0.31	2.5	9.18	31.2	0.427	-333	0.44	>999	1.21
	10/16/2007	0.03	5.7	7.48	18.2	0.192	-291	3.04	145	9.39
	4/25/2008	1.60	4.3	6.28	17.0	0.164	40	8.02	>999	2.65
	10/31/2008	0.00	5.3	6.64	17.5	0.191	45	8.94	435	2.70
	4/14/2009	0.08	11.9	5.99	13.9	0.206	41	9.94	>999	0.98
	10/20/2009	0.03	9.2	6.94	16.2	0.265	-3	4.67	325	4.49
	5/11/2010	-0.13	4.7	7.30	15.5	0.230	-5	5.70	697	0.50
	1/20/2011	0.00	1.9	9.99	11.3	0.450	232	5.58	206	0.00
	4/19/2011	0.00	1.9	10.35	14.4	0.522	-585	3.35	320	0.0
	12/1/2011	NA	NA	9.87	12.0	0.470	NM	9.81	85.2	NM
	5/24/2012	NA	NA	10.36	18.0	0.403	22	5.73	304	0.0
	10/26/2012	NA	NA	NM	NM	NM	NM	NM	NM	NM
	5/1/2013	NA	NA	9.06	17.7	0.157	154	11.30	389	1.56
	10/28/2013	NA	NA	5.23	14.6	0.077	52	12.83	193	0.46
	4/25/2014	NA	NA	9.76	14.3	0.183	62	2.83	30	0.00
	10/30/2014	NA	NA	7.29	13.5	0.185	91	14.22	262	0.86
	4/24/2015	NA	NA	9.18	8.6	0.152	26	8.59	140	NM
MW-89D1	4/21/2011	0.00	3.7	6.77	15.2	0.401	-142	1.57	558	6.0
	10/24/2012	NA	NA	8.12	15.8	0.190	17	9.68	102	0.0
	2/6/2013	NA	NA	8.82	9.4	0.236	-70	8.99	0.0	0.0
	4/29/2013	NA	NA	6.64	14.1	0.222	-125	5.49	39.8	3.8
	7/24/2013	NA	NA	6.75	23.7	0.234	-198	0.43	154	1.8
	10/28/2013	NA	NA	7.06	12.5	0.192	-52	2.56	136	0.5
	1/27/2014	NA	NA	6.43	15.3	0.113	239	12.43	172	NM
	4/24/2014	NA	NA	6.96	15.2	0.275	-88	3.67	112	0.0
	7/17/2014	NA	NA	6.61	20.1	0.175	-45	2.42	104	3.6
	10/31/2014	NA	NA	6.32	12.9	0.093	51	19.08	215	>5.0
	4/23/2015	NA	NA	7.19	13.1	0.089	101	7.52	122	NM
MW-89D2	4/21/2011	0.00	3.1	7.60	14.6	0.373	-154	2.43	118	1.0
	10/24/2012	NA	NA	8.56	16.2	0.355	-95	10.73	141	0.0
	2/6/2013	NA	NA	7.41	9.0	0.381	-122	10.05	0.0	0.0
	4/29/2013	NA	NA	8.52	14.2	0.296	-244	4.49	33.4	3.0
	7/24/2013	NA	NA	8.58	21.4	0.308	-250	0.75	72.8	2.7
	10/28/2013	NA	NA	7.25	12.8	0.235	-63	9.45	44.3	0.8
	1/27/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/24/2014	NA	NA	7.64	14.8	0.368	-27	4.26	102	0.0
	7/17/2014	NA	NA	6.00	20.8	0.174	-40	2.13	31.3	2.0
	10/31/2014	NA	NA	7.55	13.4	0.195	6	12.01	167	1.8
	4/23/2015(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-90D1	6/13/2006	0.10	7.8	6.25	17.0	0.230	-112	0.00	76.8	4.10
	4/25/2007	0.00	4.9	6.07	16.1	0.231	-100	0.93	542	2.30
	4/13/2011	-0.01	1.8	6.54	12.9	0.256	-103	0.34	14.6	NM

QUARTERLY REPORT
FIRST QUARTER 2015 (JANUARY THROUGH MARCH)
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	*Date Sampled*	*Drawdown from Initial Water Level (1) (4) (feet)*	*Well Screen Volumes Purged (4)*	*pH (S.U.)*	*Temperature (Celsius)*	*Conductivity (mS/cm)*	*ORP (mV)*	*DO (mg/L)*	*Turbidity (NTU)*	*Fe +2 (mg/L)*
	10/25/2012(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	2/6/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/30/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/23/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/25/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	1/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/18/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/21/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/24/2015(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-90D2	6/13/2006	0.05	7.8	5.91	18.4	0.191	-9	0.20	95.3	3.06
	4/25/2007	0.05	4.7	5.95	15.3	0.209	-47	1.38	102	1.76
	5/17/2010	0.00	12.9	5.75	15.5	0.186	-112	0.00	147	2.5
	4/14/2011	0.02	3.1	6.09	15.3	0.197	12	4.03	0.0	1.0
	2/6/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/30/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/23/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/25/2013(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	1/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/23/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	7/18/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	10/21/2014(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
	4/24/2015(5)	NA	NA	NM	NM	NM	NM	NM	NM	NM
MW-92D1	4/12/2011	0.00	1.8	7.10	12.1	0.421	-190	1.13	34.0	4.0
	4/24/2013	NA	NA	8.00	14.8	0.181	12	6.57	146	3.0
	10/27/2014	NA	NA	6.76	15.6	0.285	-18	2.62	149	4.1
MW-92D2	4/25/2011	0.02	3.1	6.69	15.7	0.206	-156	2.00	1.3	1.5
	4/24/2013	NA	NA	8.46	17.8	0.080	-104	5.52	670	>5.0
	10/27/2014	NA	NA	9.03	15.1	0.144	-120	2.20	32.5	75.0
MW-93D1	4/26/2011	0.00	3.7	7.11	16.0	0.245	-191	2.18	800	2.5
	4/24/2013	NA	NA	7.05	19.6	0.137	-140	5.16	107	2.2
	10/27/2014	NA	NA	8.75	15.6	0.125	33	3.10	15.1	2.3
MW-93D2	4/26/2011	0.00	3.1	7.34	15.6	0.203	-219	2.96	35.1	2.0
	4/23/2013	NA	NA	7.87	19.0	0.155	-105	4.58	NM	4.5
	10/27/2014	NA	NA	9.29	15.6	0.148	-12	2.98	280	3.4

Notes:

(1) Negative indicates groundwater level during purging higher than initial water level
(2) Orange colored
(3) Black coloured water prevented reading on colorimetric meter
(4) Samples during and subsequent to November 2011 were collected using PDB/HydraSleeve samplers. No purging was required.
(5) Insufficient sample volume to obtain measurement/reading.
NA - Not applicable
NM - Not measured (insufficient sample volume for all samples subsequent to 11/30/2011)
* - Probe malfunctioned

TABLE 3

WELL STATUS JUNE 30, 2015
OPERABLE UNIT-3 BIOSPARGE SYSTEM
HOOKER/RUCO SITE, HICKSVILLE, NEW YORK

Well Designation	*Date Completed*	*Well Functional*	*Comments/Proposed Action*
IW-1D1A	04/28/11	Y	
IW-1D1L	04/28/11	Y	
IW-1D2A	04/28/11	Y	
IW-2D1A	04/8/11	Y	
IW-2D1L	04/8/11	Y	
IW-2D2A	04/8/11	Y	
IW-3D1A	03/25/11	Y	
IW-3D1L	03/25/11	Y	
IW-3D2A	03/25/11	Y	
IW-4D1A	01/27/11	Y	
IW-4D1L	01/27/11	Y	
IW-4D2A	01/27/11	Y	
IW-5D1A	04/12/11	Y	
IW-5D1L	04/12/11	Y	
IW-5D2A	04/12/11	Y	
IW-6D1A	01/17/11	Y	
IW-6D1L	01/17/11	Y	
IW-6D2A	01/17/11	Y	
IW-7D1A	03/29/11	Y	
IW-7D1L	03/29/11	Y	
IW-7D2A	03/29/11	Y	
IW-15D1A	10/05/10	Y	
IW-15DlL	10/05/10	Y	
IW-15D2A	10/05/10	Y	
IW-16D1A	11/01/05	N	DO in downgradient MWs >2.0 mg/L. No action planned.
IW-16D1L	11/01/05	Y	
IW-16D2A	11/01/05	Y	
IW-17D1A	12/01/05	Y	
IW-17D1L	12/01/05	Y	
IW-17D2A	12/01/05	Y	
IW-18D1A	01/09/06	N	DO in downgradient MWs >2.0 mg/L. No action planned.
IW-18D1L	01/09/06	Y	
IW-18D2A	01/09/06	N	DO in downgradient MWs >2.0 mg/L. No action planned.
IW-19D1A	01/13/06	N	DO in downgradient MWs >2.0 mg/L. No action planned.
IW-19D1L	01/13/06	Y	
IW-19D2A	01/13/06	N	DO in downgradient MWs >2.0 mg/L. No action planned.
IW-20D1A	10/13/10	Y	
IW-20D1L	10/13/10	Y	
IW-20D2A	10/13/10	Y	
IW-21D1A	10/23/10	Y	
IW-21D1L	10/23/10	Y	
IW-21D2A	10/23/10	Y	
IW-22D1A	11/03/10	Y	
IW-22D1L	11/03/10	Y	
IW-22D2A	11/03/10	Y	
MW-50D1	02/23/95	N	Abandoned by Bayer during site closure
MW-50D2	02/13/95	N	Abandoned by Bayer during site closure
MW-51D1	10/24/95	N	Well no longer needed to monitor remediation of VCM subplume.
MW-51D2	10/02/95	N	Well no longer needed to monitor remediation of VCM subplume.
MW-52S	01/17/96	N	Abandoned March 2007
MW-52I	12/14/95	N	Abandoned March 2007
MW-52D	12/12/95	N	Abandoned March 2007
MW-53I	06/08/95	Y	Well no longer needed to monitor remediation of VCM subplume.
MW-53D1	06/19/95	N	Well no longer needed to monitor remediation of VCM subplume. Well paved over.
MW-53D2	06/05/95	Y	Well no longer needed to monitor remediation of VCM subplume. Obstruction in well prevents sampler insertion.

WELL STATUS JUNE 30, 2015
OPERABLE UNIT-3 BIOSPARGE SYSTEM
HOOKER/RUCO SITE, HICKSVILLE, NEW YORK

Well Designation	*Date Completed*	*Well Functional*	*Comments/Proposed Action*
MW-56S	01/26/96	N	Abandoned October 2000
MW-56I	01/25/96	N	Abandoned October 2000
MW-57S	01/23/96	Y	Well no longer needed to monitor remediation of VCM subplume.
MW-57I	01/25/96	Y	Well no longer needed to monitor remediation of VCM subplume.
MW-58D	03/26/02	Y	
MW-58D1	03/26/02	Y	
MW-58D2	03/26/02	Y	
MW-59D	04/06/02	N	VCM subplume can be monitored using Northrop well MW-3-1.
MW-59D1	04/06/02	N	VCM subplume can be monitored using Northrop well MW-3-1.
MW-59D2	04/06/02	N	VCM subplume can be monitored using Northrop well MW-3-1.
MW-60D1	03/05/02	Y	Well no longer needed to monitor remediation of VCM subplume.
MW-60S	03/08/02	Y	Well no longer needed to monitor remediation of VCM subplume.
MW-60I	03/08/02	Y	Well no longer needed to monitor remediation of VCM subplume.
MW-60D	03/08/02	Y	Well no longer needed to monitor remediation of VCM subplume.
MW-61S	02/22/02	Y	
MW-61I	02/22/02	N	Obstruction at 130 ftbgs prevents insertion of sampler. Monitoring of MW-61D2 sufficient to monitor VCM subplume
MW-61D1	02/22/02	N	Obstruction at 130 ftbgs prevents insertion of sampler. Monitoring of MW-61D2 sufficient to monitor VCM subplume
MW-61D2	03/12/02	Y	
MW-62I	05/14/02	Y	Collect sample in October 2015.
MW-62D	04/20/02	Y	Collect sample in October 2015.
MW-63S	02/18/02	Y	
MW-63I	02/18/02	Y	
MW-63D1	02/18/02	Y	
MW-63D2	02/18/02	Y	
MW-64S	02/09/02	N	Well no longer needed to monitor remediation of VCM subplume. Sampler stuck in well.
MW-64I	02/09/02	N	Well no longer needed to monitor remediation of VCM subplume. Sampler stuck in well.
MW-64D	02/09/02	N	Well no longer needed to monitor remediation of VCM subplume. Sampler stuck in well.
MW-66D2	06/08/02	Y	
MW-66I	06/19/02	N	Remediation of VCM subplume is adequately monitored by MW-66D2. Well no longer needed.
MW-66D1	06/19/02	N	Remediation of VCM subplume is adequately monitored by MW-66D2. Well no longer needed.
MW-67S	01/11/03	Y	
MW-67D	01/11/03	Y	
MW-68S	02/09/03	Y	
MW-68D	02/09/03	Y	
MW-70D1	02/02/11	Y	
MW-70D2	02/02/11	Y	
MW-72D1	03/16/11	Y	
MW-72D2	03/16/11	Y	
MW-73D1	02/11/11	Y	
MW-73D2	02/11/11	Y	
MW-75D1	05/02/11	Y	
MW-75D2	05/02/11	Y	
MW-76S	03/03/11	Y	
MW-76I	03/03/11	Y	
MW-76D1	02/15/11	Y	
MW-76D2	02/15/11	Y	
MW-77D1	02/26/11	N	October 2013 samplers could not be retrieved. Monitoring of MW-77D2 sufficient to monitor VCM Subplume. No action proposed since abandonment of MW-77D1 could adversely impact functionality of MW-77D2.
MW-77D2	02/26/11	Y	
MW-81D1	11/01/05	Y	
MW-81D2	11/01/05	Y	
MW-82D1	02/15/06	Y	
MW-82D2	02/15/06	Y	
MW-83D1	11/06/05	Y	
MW-83D2	11/06/05	Y	

TABLE 3

WELL STATUS JUNE 30, 2015
OPERABLE UNIT-3 BIOSPARGE SYSTEM
HOOKER/RUCO SITE, HICKSVILLE, NEW YORK

Well Designation	*Date Completed*	*Well Functional*	*Comments/Proposed Action*
MW-84D1	04/12/06	Y	
MW-84D2	04/12/06	Y	
MW-85S	12/04/10	Y	
MW-85I	12/04/10	Y	
MW-85D1	12/02/10	Y	
MW-85D2	12/02/10	Y	
MW-86D1	11/11/10	Y	
MW-86D2	11/11/10	Y	
MW-87D1	10/04/05	Y	
MW-87D2	10/04/05	Y	
MW-88D1	03/21/06	Y	
MW-88D2	03/21/06	Y	
MW-89D1	12/19/10	Y	
MW-89D2	12/19/10	Y	
MW-90D1	03/28/06	Y	
MW-90D2	03/28/06	Y	
MW-92D1	03/11/11	Y	
MW-92D2	03/11/11	Y	
MW-93D1	03/03/11	Y	
MW-93D2	03/03/11	Y	
VZ-1S	03/15/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-1D	03/15/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-2S	02/12/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-2D	02/12/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-4S	04/30/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-4D	04/30/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-5S	03/11/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-5D	03/11/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-6S	02/26/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-6D	02/26/11	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-10S	01/19/06	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-10D	01/19/06	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-11S	02/28/06	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-11D	02/28/06	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-12S	12/05/10	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-12D	12/05/10	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-14S	10/07/05	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-14D	10/07/05	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-15S	11/04/05	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-15D	11/04/05	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-16S	01/23/06	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-16D	01/23/06	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-17S	12/20/10	Y	Well no longer scheduled to monitor remediation of VCM subplume.
VZ-17D	12/20/10	Y	Well no longer scheduled to monitor remediation of VCM subplume.

Notes:

NA Not Applicable

Attachment A

Memorandum

To:	Klaus Schmidtke	Ref. No.:	006883
From:	Kathy Willy/adh/13	Date:	July 2, 2015

Re: **Analytical Results and Full Validation**
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

1. Introduction

The following document details a validation of analytical results for groundwater samples collected in support of the quarterly groundwater monitoring event at the Hicksville Site during April 2015. Samples were submitted to Spectrum Analytical, Inc., located in North Kingstown, Rhode Island. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, duplicate data, recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike (MS) samples, and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-08-01, June 2008

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", USEPA 540-R-10-011, January 2010

Items i) and ii) will subsequently be referred to as the "Guidelines" in this Memorandum.

GHD Services Inc.
2055 Niagara Falls Boulevard Niagara Falls New York 14304 USA
T 716 297 6150 **F** 716 297 2265 **W** www.ghd.com

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. 3.0 Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass Calibration (Instrument Performance Check) and Inductively Coupled Plasma/Mass Spectrometer (ICP/MS)

3.1 Organic Analyses

Prior to volatile organic compound (VOC) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the method requires the analysis of specific tuning compound bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the methods before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours (24 hours for TO-15) throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout the VOC analysis periods. All tuning criteria were met, indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration - Organic Analyses

4.1 GC/MS

To quantify VOC compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.05 (0.01 for poor responders).

ii) The percent relative standard deviation (RSD) values must not exceed 20.0 percent (40 percent for poor responders) or a minimum correlation coefficient (R) of 0.995 and minimum coefficient of determination (R^2) of 0.99 if linear and quadratic equation calibration curves, respectively, are used.

The initial calibration data for VOCs were reviewed. All compounds met the above criteria for sensitivity and linearity.

5. Initial Calibration – Inorganic Analyses

Initial calibration of the instruments ensures that they are capable of producing satisfactory quantitative data at the beginning of a series of analyses. For instrumental general chemistry analyses, a calibration blank and a minimum of five standards must be analyzed to establish the analytical curve, and resulting correlation coefficients (R) must be 0.995 or greater.

After the analyses of the calibration curves, an initial calibration verification (ICV) standard must be analyzed to verify the analytical accuracy of the calibration curves. All analyte recoveries from the analyses of the ICVs must be within the following control limits:

Analytical Method	Parameter	Control Limits
Instrumental Wet Chemistry	Total Organic Carbon (TOC), ammonia, nitrate, nitrite	85 - 115%

Upon review of the data, it was determined that the calibration curves and ICVs were analyzed at the proper frequencies and that all of the above-specified criteria were met. The laboratory effectively demonstrated that the instrumentation used for metals and general chemistry analyses were properly calibrated prior to sample analysis.

6. Continuing Calibration - Organic Analyses

6.1 GC/MS

To ensure that instrument calibration for VOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.05 (0.01 for poor responders)

ii) Percent difference (%D) values must not exceed 25 percent (40 percent for poor responders)

Calibration standards were analyzed at the required frequency, and the results met the above criteria for instrument sensitivity and stability with the exception of bromomethane which showed some variability. A summary of qualified results can be found in Table 4.

7. Continuing Calibration - Inorganic Analyses

To ensure that instrument calibration is acceptable throughout the sample analysis period, continuing calibration verification (CCV) standards are analyzed on a regular basis. Each CCV is deemed acceptable if all analyte recoveries are within the control limits specified above for the ICVs. If some of the CCV analyte recoveries are outside the control limits, samples analyzed before and after the CCV, up until the previous and proceeding CCV analyses, are affected.

For this study, CCVs were analyzed at the proper frequency. All analyte recoveries reported for the CCVs were within the specified limits.

8. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures. Additionally, initial and continuing calibration blanks (ICBs/CCBs) are routinely analyzed after each ICV/CCV for the inorganic parameters.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

8.1 Organic Analyses

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

8.2 Inorganic Analyses

All ICBs, CCBs, and method blanks were non-detect, indicating that laboratory contamination was not a factor for this investigation.

9. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for VOCs are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the above criteria.

10. Internal Standards (IS) Analyses

IS data were evaluated for all VOC sample analyses.

10.1 Organics Analyses

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, IS compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the IS responses.

The sample IS results were evaluated against the following criteria:

i) The retention time of the IS must not vary more than ±30 seconds from the associated calibration standard.

ii) IS area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard.

All organic IS recoveries and retention times met the above criteria.

11. Laboratory Control Sample Analyses

LCS and/or laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS and/or LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

11.1 Organic Analyses

The LCS/LCSD contained all compounds of interest. All LCS recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

11.2 Inorganic Analyses

The LCS/LCSD contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries and RPDs were within the control limits, demonstrating acceptable analytical accuracy and precision.

12. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

Site specific MS/MSDs were not requested for this sampling event.

13. Field QA/QC Samples

The field QA/QC consisted of seven trip blank samples and two rinse blank samples.

13.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, seven trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

13.2 Rinse Blank Sample Analysis

To assess field decontamination procedures, ambient conditions at the Site, and cleanliness of sample containers, two rinse blank samples were submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest with the exception of some low concentrations of trichloroethene, ammonia-n, and TOC. Associated sample results with concentrations similar to that found in the rinse blanks have been qualified as non-detect. A summary of qualified results is presented in Table 5.

14. Tentatively Identified Compounds (TICS)

Chromatographic peaks recorded during VOC sample GC/MS analyses that are not target compounds, surrogates, or IS, are potential TICs.

A summary of the TICs reported by the laboratory is presented in Table 6. Per the "Guidelines", TICs that were present in the method blanks or identified as solvent preservatives/aldol reaction products were rejected and are not included in the table.

15. Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the practical quantitation limit (PQL) but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the PQL in Table 2.

16. Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to the identification criteria established by the methods. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

17. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Table 1

Sample Collection and Analysis Summary
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters					Comments
					Ammonia	Nitrate, Nitrite	Phosphorous	VOCs	TOC	
GW42315VW020	-	Water	04/23/2015	13:00	X	X	X	X	X	Field Blank
GW42415VW045	-	Water	04/24/2015	14:00	X	X	X	X	X	Field Blank
GW42415VW032	MW-61D2	Groundwater	04/24/2015	11:00				X		
GW42215VW001	MW-63D1	Groundwater	04/22/2015	10:45	X	X	X	X	X	
GW42215VW002	MW-63D2	Groundwater	04/22/2015	11:00	X	X	X	X	X	
GW5815VW047	MW-63I	Groundwater	05/08/2015	09:30	X	X	X	X	X	
GW5815VW046	MW-63S	Groundwater	05/08/2015	09:15	X	X	X	X	X	
GW42315VW015	MW-66D2	Groundwater	04/23/2015	11:10	X	X	X	X	X	
GW42315VW017	MW-67D	Groundwater	04/23/2015	11:35				X		
GW42315VW016	MW-67S	Groundwater	04/23/2015	11:40	X	X	X	X	X	
GW42315VW019	MW-68D	Groundwater	04/23/2015	12:20				X		
GW42315VW018	MW-68S	Groundwater	04/23/2015	12:10				X		
GW42415VW026	MW-70D1	Groundwater	04/24/2015	10:10	X	X	X	X	X	
GW42415VW027	MW-70D2	Groundwater	04/24/2015	10:20	X	X	X	X	X	
GW42415VW028	MW-72D1	Groundwater	04/24/2015	10:55	X	X	X	X	X	
GW42415VW029	MW-72D2	Groundwater	04/24/2015	11:05	X	X	X	X	X	
GW42415VW021	MW-73D1	Groundwater	04/24/2015	09:00	X	X	X	X	X	
GW42415VW022	MW-73D2	Groundwater	04/24/2015	09:05	X	X	X	X	X	
GW42215VW007	MW-75D1	Groundwater	04/22/2015	13:40	X	X	X	X	X	
GW42215VW008	MW-75D2	Groundwater	04/22/2015	14:00	X	X	X	X	X	
GW42215VW005	MW-76D1	Groundwater	04/22/2015	12:35	X	X	X	X	X	
GW42215VW006	MW-76D2	Groundwater	04/22/2015	12:55	X	X	X	X	X	

Table 1

Sample Collection and Analysis Summary
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters					Comments
					Ammonia	Nitrate, Nitrite	Phosphorous	VOCs	TOC	
GW42215VW004	MW-76I	Groundwater	04/22/2015	12:22	X	X	X	X	X	
GW42215VW003	MW-76S	Groundwater	04/22/2015	12:00	X	X	X	X	X	
GW42415VW023	MW-77D2	Groundwater	04/24/2015	09:30	X	X	X	X	X	
GW42415VW031	MW-81D1	Groundwater	04/24/2015	10:30	X	X	X	X	X	
GW42415VW030	MW-81D2	Groundwater	04/24/2015	10:00	X	X	X	X	X	
GW42415VW039	MW-82D1	Groundwater	04/24/2015	12:45	X	X	X	X	X	
GW42415VW040	MW-82D2	Groundwater	04/24/2015	12:50	X	X	X	X	X	
GW42415VW033	MW-83D1	Groundwater	04/24/2015	09:30				X		
GW42415VW034	MW-83D2	Groundwater	04/24/2015	09:40	X	X	X	X	X	
GW42415VW037	MW-84D1	Groundwater	04/24/2015	12:25	X	X	X	X	X	
GW42415VW038	MW-84D2	Groundwater	04/24/2015	12:30	X	X	X	X	X	
GW42315VW013	MW-85D1	Groundwater	04/23/2015	10:05	X	X	X	X	X	
GW42315VW014	MW-85D2	Groundwater	04/23/2015	10:15	X	X	X	X	X	
GW42315VW012	MW-85I	Groundwater	04/23/2015	09:45	X	X	X	X	X	
GW42315VW011	MW-85S	Groundwater	04/23/2015	09:30				X		
GW42415VW043	MW-86D1	Groundwater	04/24/2015	13:45	X	X	X	X	X	
GW42415VW044	MW-86D2	Groundwater	04/24/2015	13:50	X	X	X	X	X	
GW42415VW035	MW-87D1	Groundwater	04/24/2015	11:15	X	X	X	X	X	
GW42415VW036	MW-87D2	Groundwater	04/24/2015	11:35	X	X	X	X	X	
GW42415VW041	MW-88D1	Groundwater	04/24/2015	13:00	X	X	X	X	X	
GW42415VW042	MW-88D2	Groundwater	04/24/2015	13:10	X	X	X	X	X	
GW42315VW009	MW-89D1	Groundwater	04/23/2015	09:05				X		

Table 1

Sample Collection and Analysis Summary
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters: Ammonia	Nitrate, Nitrite	Phosphorous	VOCs	TOC	Comments
GW42315VW010	MW-89D2	Groundwater	04/23/2015	09:02				X		
GW42415VW024	MW-90D1	Groundwater	04/24/2015	09:40				X		
GW42415VW025	MW-90D2	Groundwater	04/24/2015	09:45				X		
TRIP BLANK_4/22/15	-	Water	04/22/2015	14:15				X		Trip Blank
TRIP BLANK_04/23/15	-	Water	04/23/2015	13:00				X		Trip Blank

Notes:

TOC - Total Organic Carbon
VOCs - Volatile Organic Compounds

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-61D2	MW-63D1	MW-63D2	MW-63I	MW-63S	MW-66D2	MW-67D
Sample ID:		GW42415VW032	GW42215VW001	GW42215VW002	GW5815VW047	GW5815VW046	GW42315VW015	GW42315VW017
Sample Date:		4/24/2015	4/22/2015	4/22/2015	5/8/2015	5/8/2015	4/23/2015	4/23/2015
Parameters	**Units**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	0.72 J	5.0 U	5.0 U	5.0 U	5.0 U	1.4 J	1.2 J
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.0 U	5.0 U	6.0	5.0 U	5.0 U	6.4	6.3
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	8.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	14	5.0 U	5.0 U	0.75 J	1.2 J	0.51 J	6.2
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	52	3.4 J	2.7 J	5.8	5.5	10	2.9 J
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	150	5.0 U	5.0 U	5.0 U	5.0 U	15	5.0 U
Vinyl chloride	µg/L	1.3 J	2.0 U	2.0 U	2.0 U	4.7 J	2.0 U	2.0 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-61D2	MW-63D1	MW-63D2	MW-63I	MW-63S	MW-66D2	MW-67D
Sample ID:		GW42415VW032	GW42215VW001	GW42215VW002	GW5815VW047	GW5815VW046	GW42315VW015	GW42315VW017
Sample Date:		4/24/2015	4/22/2015	4/22/2015	5/8/2015	5/8/2015	4/23/2015	4/23/2015
Parameters	**Units**							
General Chemistry								
Ammonia-N	mg/L	-	0.100 U	0.100 U	0.100 U	0.100 U	1.19	-
Nitrate (as N)	mg/L	-	0.500 U	0.500 U	0.500 U	0.500 U	2.87	-
Nitrite (as N)	mg/L	-	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	-
Phosphorus	mg/L	-	0.0293	0.0790	0.0617	0.109	0.0922	-
Total organic carbon (TOC)	mg/L	-	1.00 U	1.00 U	1.09	1.22	2.50	-

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-67S	MW-68D	MW-68S	MW-70D1	MW-70D2	MW-72D1	MW-72D2
Sample ID:		GW42315VW016	GW42315VW019	GW42315VW018	GW42415VW026	GW42415VW027	GW42415VW028	GW42415VW029
Sample Date:		4/23/2015	4/23/2015	4/23/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Parameters	**Units**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	0.97 J	0.99 J	1.4 J	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	3.9 J	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	8.1	8.7	5.0 J	5.0 U	5.0 U	15	7.1
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	9.1	5.0 U	1.5 J	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	19	0.68 J	18	5.0 U	2.1 J	5.0 U	100
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	6.0	1.8 J	77	3.3 J	1.6 J	5.0 U	240
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.7 J
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.4	6.8	110	5.0 U	5.0 U	5.0 U	37
Vinyl chloride	µg/L	2.0 U	1.0 J	2.0 U	11	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

	Sample Location:	MW-67S	MW-68D	MW-68S	MW-70D1	MW-70D2	MW-72D1	MW-72D2
	Sample ID:	GW42315VW016	GW42315VW019	GW42315VW018	GW42415VW026	GW42415VW027	GW42415VW028	GW42415VW029
	Sample Date:	4/23/2015	4/23/2015	4/23/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Parameters	**Units**							
General Chemistry								
Ammonia-N	mg/L	0.230	-	-	0.174	0.491	0.089 J	0.867
Nitrate (as N)	mg/L	0.500 U	-	-	0.500 U	0.500 U	1.00 U	1.00 U
Nitrite (as N)	mg/L	0.500 U	-	-	0.500 U	0.500 U	1.00 U	1.00 U
Phosphorus	mg/L	0.104	-	-	0.0239	0.00910	0.0207	0.0368
Total organic carbon (TOC)	mg/L	1.14	-	-	1.26	1.49	1.34	1.00 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-73D1	MW-73D2	MW-75D1	MW-75D2	MW-76D1	MW-76D2	MW-76I
Sample ID:		GW42415VW021	GW42415VW022	GW42215VW007	GW42215VW008	GW42215VW005	GW42215VW006	GW42215VW004
Sample Date:		4/24/2015	4/24/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015
Parameters	**Units**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.0 U	7.3	6.2	4.3 J	5.5	8.4	9.2
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 J	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	0.94 J	6.3	16	5.0 U	8.3	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	1.5 J	8.5	5.1	9.3	3.1 J	60	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	19	5.0 U	25	5.0 U
Vinyl chloride	µg/L	0.75 J	2.0 U	7.2	150	5.4	2.0 U	2.0 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-73D1	MW-73D2	MW-75D1	MW-75D2	MW-76D1	MW-76D2	MW-76I
Sample ID:		GW42415VW021	GW42415VW022	GW42215VW007	GW42215VW008	GW42215VW005	GW42215VW006	GW42215VW004
Sample Date:		4/24/2015	4/24/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015	4/22/2015
Parameters	**Units**							
General Chemistry								
Ammonia-N	mg/L	0.148	0.766	0.279	0.414	0.158 U	0.592	0.294
Nitrate (as N)	mg/L	0.500 U	0.500 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U
Nitrite (as N)	mg/L	0.500 U	0.500 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U
Phosphorus	mg/L	0.141	0.0829	0.0530	0.0948	0.0398	0.0254	0.0321
Total organic carbon (TOC)	mg/L	1.68	1.00 U	5.00 U	3.01	1.00 U	1.18	1.93

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-76S	MW-77D2	MW-81D1	MW-81D2	MW-82D1	MW-82D2	MW-83D1
Sample ID:		GW42215VW003	GW42415VW023	GW42415VW031	GW42415VW030	GW42415VW039	GW42415VW040	GW42415VW033
Sample Date:		4/22/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Parameters	**Units**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	0.95 J	0.55 J	0.72 J	4.7 J	0.95 J	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	0.79 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.2	6.1	5.0 U	5.0 U	5.4	6.7	5.0 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	19	5.0 U	2.0 J	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	100	3.3 J	20	27	2.4 J	5.0 U	2.4 J
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	120	97	150	28	7.3	37
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	23	160	170	24	5.0 U	41
Vinyl chloride	µg/L	2.0 U	2.0 U	1.3 J	2.0 U	0.95 J	2.0 U	2.0 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

	Sample Location:	MW-76S	MW-77D2	MW-81D1	MW-81D2	MW-82D1	MW-82D2	MW-83D1
	Sample ID:	GW42215VW003	GW42415VW023	GW42415VW031	GW42415VW030	GW42415VW039	GW42415VW040	GW42415VW033
	Sample Date:	4/22/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015
Parameters	**Units**							
General Chemistry								
Ammonia-N	mg/L	0.250	1.28	-	1.72	0.082 J	3.21	-
Nitrate (as N)	mg/L	1.00 U	1.00 U	-	0.500 U	0.522	1.00 U	-
Nitrite (as N)	mg/L	1.00 U	1.00 U	-	0.500 U	0.500 U	1.00 U	-
Phosphorus	mg/L	0.0420	0.0770	-	0.0511	0.0556	0.0184	-
Total organic carbon (TOC)	mg/L	5.24	1.00 U	1.14	1.68	1.00 U	1.00 U	-

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-83D2	MW-84D1	MW-84D2	MW-85D1	MW-85D2	MW-85I	MW-85S
Sample ID:		GW42415VW034	GW42415VW037	GW42415VW038	GW42315VW013	GW42315VW014	GW42315VW012	GW42315VW011
Sample Date:		4/24/2015	4/24/2015	4/24/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015
Parameters	**Units**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	0.96 J	5.3	1.7 J	4.1 J	1.6 J	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	1.7 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.0 U	6.3	4.9 J	5.0 U	5.4	7.1	5.0 J
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	17	1.8 J	4.6 J	6.1	0.67 J	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	27	54	22	4.6 J	1.8 J	2.4 J	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	94	21	92	14	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-83D2	MW-84D1	MW-84D2	MW-85D1	MW-85D2	MW-85I	MW-85S
Sample ID:		GW42415VW034	GW42415VW037	GW42415VW038	GW42315VW013	GW42315VW014	GW42315VW012	GW42315VW011
Sample Date:		4/24/2015	4/24/2015	4/24/2015	4/23/2015	4/23/2015	4/23/2015	4/23/2015
Parameters	**Units**							
General Chemistry								
Ammonia-N	mg/L	0.100 U	0.100 U	0.625	0.100 U	0.815	0.130 U	-
Nitrate (as N)	mg/L	0.500 U	6.27	2.34	0.500 U	1.00 U	1.00 U	-
Nitrite (as N)	mg/L	0.500 U	0.500 U	0.500 U	0.500 U	1.00 U	1.00 U	-
Phosphorus	mg/L	0.194	0.0495	0.0413	0.0334	0.0448	0.0438	-
Total organic carbon (TOC)	mg/L	3.04	1.00 U	1.00 U	10.0 U	1.00 U	4.00 U	-

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-86D1	MW-86D2	MW-87D1	MW-87D2	MW-88D1	MW-88D2	MW-89D1
Sample ID:		GW42415VW043	GW42415VW044	GW42415VW035	GW42415VW036	GW42415VW041	GW42415VW042	GW42315VW009
Sample Date:		4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/23/2015
Parameters	**Units**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	1.0 J	5.0 U	1.5 J	1.9 J
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	1.3 J	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	6.6	7.9	8.3
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.8 J
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.3 J
Chloroethane	µg/L	1.1 J	5.0 U	5.0 U	5.0 U	14	5.0 U	11
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	23	4.4 J	10	6.1	5.0 U	93
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	6.4	9.9	130	300	19	15	37
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	130	23	100	26	11	26
Vinyl chloride	µg/L	33	2.0 U	2.0 U	2.0 U	2.1	2.0 U	6.9
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample Location:		MW-86D1	MW-86D2	MW-87D1	MW-87D2	MW-88D1	MW-88D2	MW-89D1
Sample ID:		GW42415VW043	GW42415VW044	GW42415VW035	GW42415VW036	GW42415VW041	GW42415VW042	GW42315VW009
Sample Date:		4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/24/2015	4/23/2015
Parameters	**Units**							
General Chemistry								
Ammonia-N	mg/L	1.48	1.81	0.942	0.091 J	0.133	2.37	0.162
Nitrate (as N)	mg/L	0.500 U	2.82	2.43	4.28	0.500 U	1.00 U	0.500 U
Nitrite (as N)	mg/L	0.500 U	1.00 U	0.500 U	0.500 U	0.500 U	1.00 U	0.500 U
Phosphorus	mg/L	0.00500 U	0.0503	0.211	0.0340	0.0257	0.172	0.0233
Total organic carbon (TOC)	mg/L	1.66	2.37	1.05	1.00 U	1.16	1.84	6.91

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

	Sample Location:	MW-89D2	MW-90D1	MW-90D2
	Sample ID:	GW42315VW010	GW42415VW024	GW42415VW025
	Sample Date:	4/23/2015	4/24/2015	4/24/2015
Parameters	**Units**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	3.6 J	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U
2-Hexanone	µg/L	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U
Acetone	µg/L	7.7	5.0 U	5.0 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 UJ	5.0 UJ
Carbon disulfide	µg/L	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	1.4 J	1.2 J	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	17	7.5	2.7 J
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	10	25	26
Toluene	µg/L	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	13	9.6	21
Vinyl chloride	µg/L	2.3	3.0	2.0 U
Xylenes (total)	µg/L	5.0 U	5.0 U	5.0 U

Table 2

Analytical Results Summary
Quarterly Biosparge Sampling
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

	Sample Location:	MW-89D2	MW-90D1	MW-90D2
	Sample ID:	GW42315VW010	GW42415VW024	GW42415VW025
	Sample Date:	4/23/2015	4/24/2015	4/24/2015
Parameters	**Units**			
General Chemistry				
Ammonia-N	mg/L	-	-	-
Nitrate (as N)	mg/L	-	-	-
Nitrite (as N)	mg/L	-	-	-
Phosphorus	mg/L	-	-	-
Total organic carbon (TOC)	mg/L	-	-	-

Notes:

J - Estimated concentration
U - Not detected at the associated reporting limit
UJ - Not detected; associated reporting limit is estimated
- - Not analyzed

Table 3

Analytical Methods and Holding Time Criteria
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
TCL VOC	SW-846 8260 [1]	Water	-	14
Ammonia	E350.1 [3]	Water	-	28
Phosphorous	SM 4500P [2]	Water	-	28
Nitrate, Nitrite	E353.2 [3]	Water	-	48 hr.
Total Organic Carbon (TOC)	415.1 [3]	Water	-	28

Notes:

[1] - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions
[2] - "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992, with subsequent revisions
[3] - "Methods for Chemical Analysis of Water and Wastes", USEPA-600/4-79-020, March 1983 with subsequent revisions
[4] - "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999
TCL - Target Compound List
VOC - Volatile Organic Compounds

Table 4

Qualified Sample Results Due to Outlying Continuing Calibration Results
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Parameter	Analyte	Calibration Date	RRF	%D	Associated Sample ID	Qualified Result	Units
VOCs	Bromomethane	4/29/2015	-	31.9	GW42415VW021	5.0 UJ	µg/L
					GW42415VW022	5.0 UJ	µg/L
					GW42415VW023	5.0 UJ	µg/L
					GW42415VW024	5.0 UJ	µg/L
					GW42415VW025	5.0 UJ	µg/L
					GW42415VW026	5.0 UJ	µg/L
					GW42415VW027	5.0 UJ	µg/L

Notes:

- - Not applicable
%D - Percent difference
RRF - Relative Response Factor
UJ - Not detected; associated reporting limit is estimated
VOCs - Volatile Organic compounds

Table 5

Qualified Sample Data Due to Analyte Concentrations in the Rinse Blanks
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Parameter	Rinse Blank ID	Blank Date	Analyte	Blank Result	Associated Sample ID	Original Result	Qualified Result	Units
VOCs	GW42415VW045	4/24/2015	Trichloroethene	1.1 J	GW42215VW001	3.1 J	5.0 U	µg/L
					GW42215VW002	2.8 J	5.0 U	µg/L
					GW42215VW007	2.6 J	5.0 U	µg/L
					GW42315VW012	0.84 J	5.0 U	µg/L
					GW42315VW014	4.8 J	5.0 U	µg/L
					GW42315VW017	4.4 J	5.0 U	µg/L
					GW42415VW021	1.0 J	5.0 U	µg/L
					GW42415VW022	2.7 J	5.0 U	µg/L
					GW42415VW026	1.1 J	5.0 U	µg/L
					GW42415VW040	4.2 J	5.0 U	µg/L
					GW42415VW043	0.90 J	5.0 U	µg/L
					GW5815VW046	3.2 J	5.0 U	µg/L
					GW5815VW047	2.5 J	5.0 U	µg/L
General Chemistry	GW42315VW020	4/23/2015	Ammonia-N	0.159	GW42215VW001	0.072 J	0.100 U	mg/L
					GW42215VW005	0.158	0.158 U	mg/L
					GW42315VW012	0.130	0.130 U	mg/L
General Chemistry	GW42315VW020	4/23/2015	Total organic carbon (TOC)	0.440 J	GW42215VW001	0.921 J	1.00 U	mg/L
					GW42215VW002	0.987 J	1.00 U	mg/L
					GW42215VW005	0.997 J	1.00 U	mg/L
					GW42215VW007	3.96 J	5.00 U	mg/L
					GW42315VW012	1.66 J	4.00 U	mg/L
					GW42315VW014	0.640 J	1.00 U	mg/L
					GW42415VW022	0.950 J	1.00 U	mg/L
					GW42415VW023	0.641 J	1.00 U	mg/L
					GW42415VW029	0.813 J	1.00 U	mg/L
					GW42415VW036	0.723 J	1.00 U	mg/L
					GW42415VW037	0.750 J	1.00 U	mg/L
					GW42415VW038	0.802 J	1.00 U	mg/L
					GW42415VW039	0.644 J	1.00 U	mg/L

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
VOC - Volatile Organic Compounds

Table 6

Tentatively Identified Compounds
Quarterly Groundwater Monitoring
Glenn Springs Holdings, Inc.
Hicksville, New York
April 2015

Sample ID	Volatile Organics	Estimated Concentration (µg/L)
GW42315VW009	3-Cyano-2,5-dimethylpyrazine	33 J
	Unknown	140 J
GW42315VW010	Unknown	8.7 J
GW42315VW011	Ethyl acetate	15 J
GW42315VW012	1,3,5,7-Tetraazabicyclo[3.3.	22 J
GW42415VW025	Ethane, 1,1,2-trichloro-1,2,	5.2 J
GW42415VW029	Bicyclo[2.2.1]heptan-2-one	8.3 J
	Unknown	7.8 J
GW42415VW032	3-Cyano-2,5-dimethylpyrazine	27 J
	Ethyl chloride	6.5 J
GW42415VW041	Unknown	5.5 J

Notes:

J - Estimated concentration