Miller Springs Remediation Management, Inc.
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October 10, 2007

Mr. Paul Olivo
Western New York Remediation Section
Emergency and Remedial Response Division
United States Environmental Protection Agency
Region II
290 Broadway, 20th Floor
New York, NY 10007-1866

Dear Mr. Olivo:

Re: Quarterly Report – Third Quarter 2007 (July through September)
Administrative Orders
Hooker Chemical/Ruco Polymer Corporation Site
Index Nos. II-CERCLA-80216, II-CERCLA-94-0210, and II-CERCLA-02-2001-2018

Consistent with Sections 42, 91, and 55 of the above-referenced orders and the USEPA approved 100% Biosparge System Design Report, this letter and attached Table 1 provide the Quarterly Progress Report covering July through September 2007. This report covers OU-1, OU-2 and OU-3. Please note that the next Quarterly Progress Report will be submitted by January 15, 2008 and will cover October through December 2007.

The following activities were performed in July through September 2007.

Operable Unit-1

A conference call was held between the USEPA and CRA on July 30, 2007 to exchange information regarding OU-1 so that EPA could prepare the internal completion report for OU-1. EPA completed this report on September 28, 2007. Some investigatory activities ongoing between Bayer and the NYSDEC are being completed in conjunction with the RCRA closure of the Site and do not have an impact on the Superfund Site closing. MSRMI continues to work cooperatively with Bayer.

Operable Unit-2

A conference call was held on June 18, 2007 with the USEPA, NYSDEC, MSRMI, and CRA. During the call, it was confirmed that all work associated with the OU-2 Therminol Spill has been successfully completed. Awaiting USEPA written concurrence of such. While some investigatory activities are ongoing between Bayer and the NYSDEC, these are being completed in conjunction with the RCRA closure of the Site and do not have an impact on the Superfund Site closing.

Operable Unit-3

Supplemental Treatment System

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

Biosparge System

- The Phase I system is operating with air injection occurring weekly at each well for eight hours rather than monthly for eight hours. The one exception is for IW16-DIA, which is experiencing a high back pressure, even after redevelopment.
- Air injection wells IW-16D1A and IW-16D2A, which have 5-foot long screens, were probed on April 26, 2007 and were found to contain 6 and 1 feet of silt, respectively. Well IW16-DIA was redeveloped (sediment removed) the week of July 23, 2007. In addition, the other six air injection wells and the four liquid injection wells were probed and were found to contain minimal silt (≤ 2 inches).
- The quarterly performance monitoring of the biosparge system was performed from July 16 to 27, 2007. The groundwater analytical results and QA/QC review for the quarterly performance monitoring are attached.
- A summary of the results of the biosparge system performance monitoring (see Table 2) and figures showing dissolved oxygen and VCM concentrations are attached. These results show that DO is increasing in the monitoring wells except for those wells dependent upon air injection well IW-16DIA. Increases in DO are being observed which confirm that the 100-foot spacing between the injection wells is appropriate. The increases are occurring at different rates in the wells.
- Injection of treated water from Northrop's Tower 96 (GP-1/GP-3) system started on January 22, 2007 at a flow rate of 10 gpm and has been ongoing since that time. This was increased to 15 gpm in July 2007 to overcome some of the back pressure created by the air injections.
- The specifications and drawings for the north fence were provided to Steel Equities on September 7 and 10, 2007. Comments were received from Steel Equities on September 24, 2007. Steel Equities has informed CRA that they plan to have all the subsurface Site works completed in December 2007. As a result, the underground components of the north fence need to be installed in a similar time frame. To date, all of the on-Site buildings have been demolished.
- Notification of the fourth quarterly Phase I biopsparge system sampling event was submitted to the USEPA and their oversight contractor on September 14, 2007 by email.

Planned Fourth Quarter Activities

- The following activities are planned for the fourth quarter of 2007:

  i) With regard to IW16-DIA, the following activities are planned:
  - try to inject water into IW16-DIA; and
  - if water cannot be injected into IW16-DIA, try to inject air into the liquid injection well (i.e., IW16-DIL).

ii) Quarterly sampling of the biosparge system in October 2007;

iii) Continue operation and monitoring of the GP-1/GP-3 supplemental system;

iv) Determine which treatment technology to use for the supplemental system;

v) Sumps 1 and 2 on the former Hooker/Ruco Site are to be back-filled by the new property owner once the property transfer is completed; and

vi) Upon receipt of the October 2007 results, prepare a report which presents the evaluation of the first year of biosparge system operations and any recommendations for modification of the physical and/or operational components of the system.

- The following activities are pending an approval or review by an outside party or Agency. The follow-up schedule is based on receipt of the review or approval.

i) Awaiting USEPA comments on the draft Declaration of Covenants and Restrictions for the Site, which was submitted on April 20, 2006 by Bayer; and

ii) Awaiting USEPA comments on the Phase I As-Built drawings, O&M Manual, and HASP submitted February 1, 2007.

Should you have any questions on the above, please do not hesitate to contact me at (859) 543-2152 or e-mail at rick_passmore@oxy.com.

Sincerely yours,

Rick Passmore
Project Manager

KDS/lw/006883/23
Encl.
c.c.: K. Lynch (USEPA)
M. E. Wieder (USEPA)
S. Scharf (NYSDEC)
M. Popper (CDM)
T. Kelly (Nassau County)
W. Baldwin (Bayer)
J. Kay (CRA)

MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Groundwater Investigation Beyond the Ruco Property (OU-3)

July through September 2007

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

TABLE 1

MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Groundwater Investigations Beyond the Ruco Property (OU-3)

July through September 2007

Task and Activity	*Percentage of Activity Completed*	*Start Date*	*Scheduled Completion Date*	*Completion Date*
• Revised RI Report	100	May 25, 1999		November 10, 1999
• Revised FS Report	100	July 7, 1999		December 22, 1999
• Responses to EPA Comments on CTS	100	October 14, 1999		November 3, 1999
• 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 I Well Installation	100	February 4, 2002		June 28, 2002
• Upgrade of GP-17/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 LI	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

MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Groundwater Investigations Beyond the Ruco Property (OU-3)

July through September 2007

Task and Activity	*Percentage of Activity Completed*	*Start Date*	*Scheduled Completion Date*	*Completion Date*
• 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
• Purchase 100% RD Report	100	January 12, 2005		May 27, 2005
• 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
• Off-Site 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
• First Quarterly Sampling	100			January 23 to 30, 2007
• Submission of Phase II Construction Documents	100			February 1, 2007
• Second Quarterly Sampling	100			April 18 to 27, 2007
• Third Quarterly Sampling	100			July 16 to 27, 2007

SUMMARY OF PURGING FINAL STABILIZATION PARAMETER VALUES
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	Date Sampled	Drawdown from Initial Water Level [1] (feet)	Well Screen Volumes Purged	pH (S.U.)	Temperature (Celsius)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Fe^{+2} (mg/L)
MW-52 S	4/7/2006	0.03	4.3	5.62	14.3	0.199	-7	0.00	0.0	1.60
	3/13/2007	0.20	6.1	6.34	14.8	0.652	5	1.64	58.4	1.66
MW-52 I	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-58 D	10/26/2006	0.01	3.4	5.69	16.8	0.192	21	2.42	58.1	4.30
MW-58 D1	10/26/2006	0.14	3.2	6.34	16.9	0.222	-101	2.58	68.6	8.80
MW-58 D2	10/25/2006	0.11	2.8	6.95	17.3	0.266	-198	0.00	15.1	5.16
MW-59 D1	10/25/2006	0.00	2.0	6.07	17.4	0.432	-20	0.58	261	3.24
MW-59 D2	10/25/2006	0.02	5.5	6.50	17.5	0.452	-99	0.47	240	2.00
MW 59 D	10/26/2006	0.07	4.5	10.29	17.1	0.364	-108	0.00	9.6	2.65
MW-61 I	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
MW-61 D1	4/28/2006	0.00	4.7	6.07	14.5	0.210	122	0.00	356	1.78
	5/8/2006	0.05	8.7	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
	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
MW-61 D2	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	0.01	5.1	5.19	17.6	0.219	71	13.45	>999	1.34
MW 62I	5/16/2007	0.10	7.1	5.31	14.1	0.278	59	0.00	113	0.69
MW-62D	5/16/2007	0.15	5.4	10.56	14.9	0.119	-125	0.00	570	0.38
MW-63 D1	5/23/2006	0.20	2.4	5.03	15.9	0.152	230	0.00	0.0	2.13
MW-63 D2	5/24/2006	-0.21	5.8	5.30	15.0	0.152	246	0.41	6.5	0.06
	6/14/2006	0.05	5.1	5.01	16.3	0.171	222	0.92	3.5	NM
MW-63 S	5/19/2006	0.12	2.4	5.20	14.8	0.150	238	0.16	411	0.18
MW-63 I	5/23/2006	0.20	4.6	5.09	15.4	0.154	241	0.00	0.0	0.03
MW-64 S	3/23/2006	0.10	2.9	5.83	14.3	0.188	-18	0.00	13.8	4.71
	1/26/2007	0.00	5.3	6.71	14.2	0.304	-114	0.00	53.6	2.37
MW 64 I	3/24/2006	-0.01	3.6	5.87	14.1	0.203	-38	0.00	0.0	3.21
	4/26/2007	0.00	6.1	6.78	14.2	0.317	-121	0.00	17.5	1.87
MW 64D	4/26/2007	0.00	2.7	6.72	14.6	0.324	-115	0.00	22.9	1.98
MW-66 D2	4/3/2006	0.03	5.2	5.23	15.2	0.197	-16	0.00	24.3	4.50
MW-67 S	3/28/2006	0.35	5.2	5.88	15.7	0.206	-117	0.00	271	13.08
MW-67 D	3/29/2006	0.47	4.3	5.64	17.1	0.223	86	0.50	>999	16.88
MW-68 S	4/6/2006	-0.10	5.1	8.87	17.4	0.144	-281	0.00	27.8	0.60

SUMMARY OF PURGING FINAL STABILIZATION PARAMETER VALUES
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

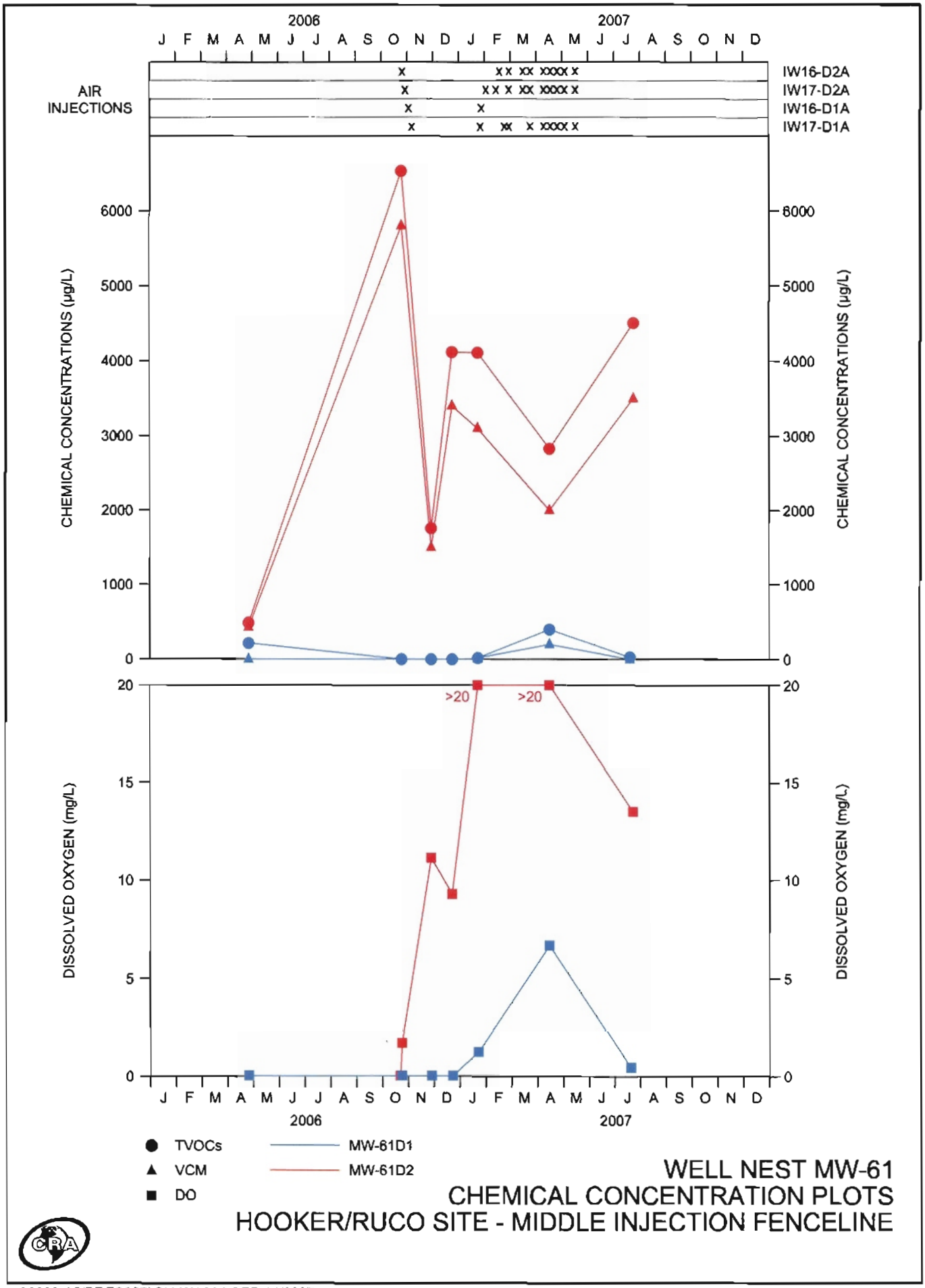
Well	Date Sampled	Drawdown from Initial Water Level [1] (feet)	Well Screen Volumes Purged	pH (S.U.)	Temperature (Celsius)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Fe^{+2} (mg/L)
MW-68 D	3/31/2006	0.10	5.1	5.67	17.6	0.165	-150	0.00	440	9.72
MW-81 D1	4/12/2006	0.16	2.9	6.44	14.5	0.228	-85	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
MW-81 D2	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
MW-82 D1	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
	1/20/2007	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
MW-82 D2	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	0.264	-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
MW-83 D1	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	0.00
	7/17/2007	0.00	2.4	10.70	16.3	0.271	-14	0.41	12	0.04
MW-83 D2	5/2/2006	-0.25	3.6	6.00	15.0	0.235	50	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	0.00
	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	0.00
	4/18/2007	0.21	3.4	8.16	13.0	0.233	97	0.00	103	0.00
	7/17/2007	0.04	3.0	6.42	17.3	0.147	289	>19.99	25	0.08

SUMMARY OF PURGING FINAL STABILIZATION PARAMETER VALUES
HOOKER RUCO SITE
HICKSVILLE, NEW YORK

Well	Date Sampled	Drawdown from Initial Water Level (1) (feet)	Well Screen Volumes Purged	pH (S.U.)	Temperature (Celsius)	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Fe^{+2} (mg/L)
MW-84 D1	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
MW-84 D2	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
MW-87 D1	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
MW-87 D2	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
MW-88 D1	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
MW-88 D2	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	0.322	-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
MW-90 D1	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
MW-90 D2	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

Notes

(1) Negative indicates groundwater level during purging higher than initial water level
NM Not measured



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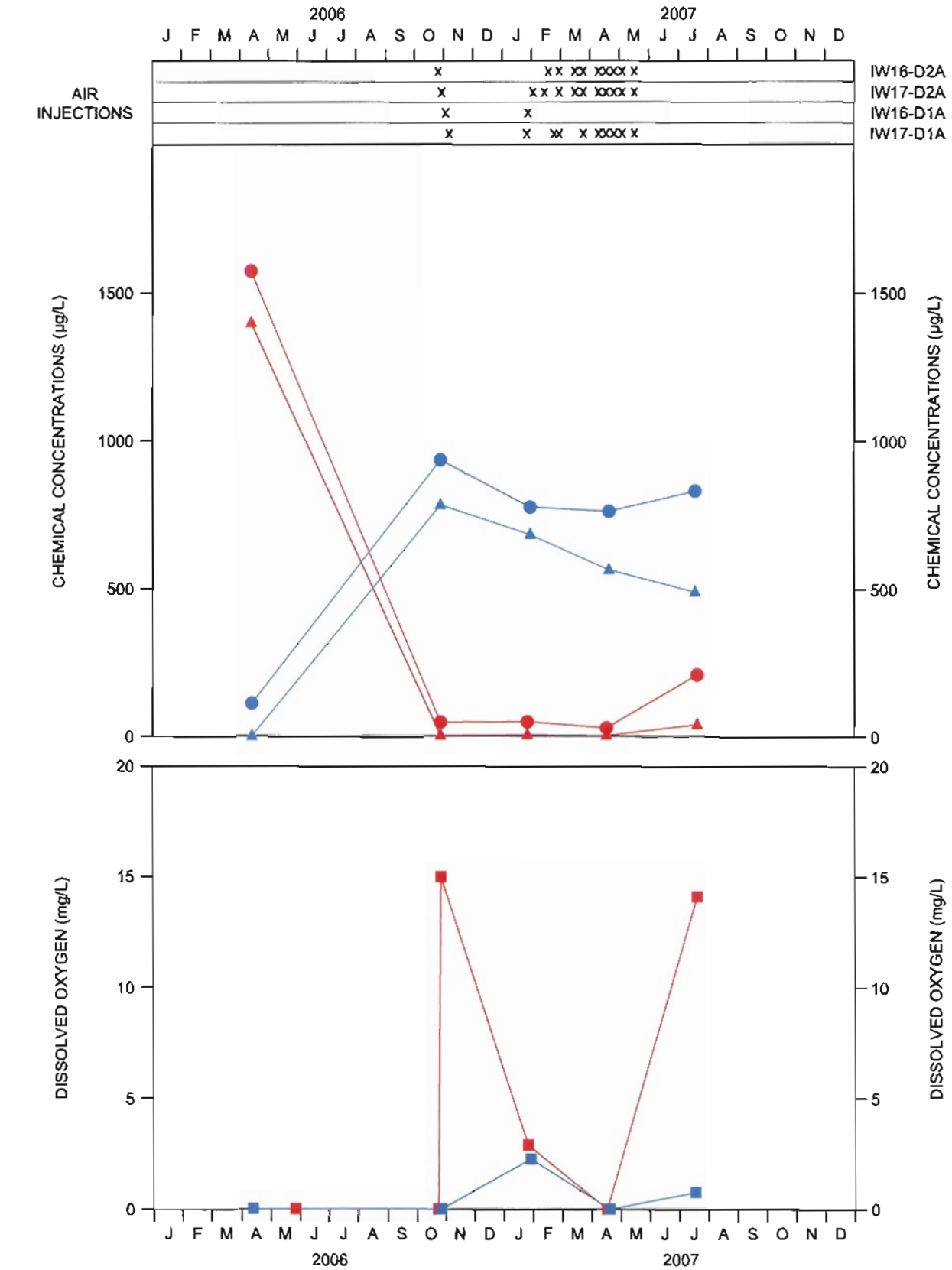
CHEMICAL CONCENTRATION PLOTS
HOOKER/RUCO SITE - MIDDLE INJECTION FENCELINE



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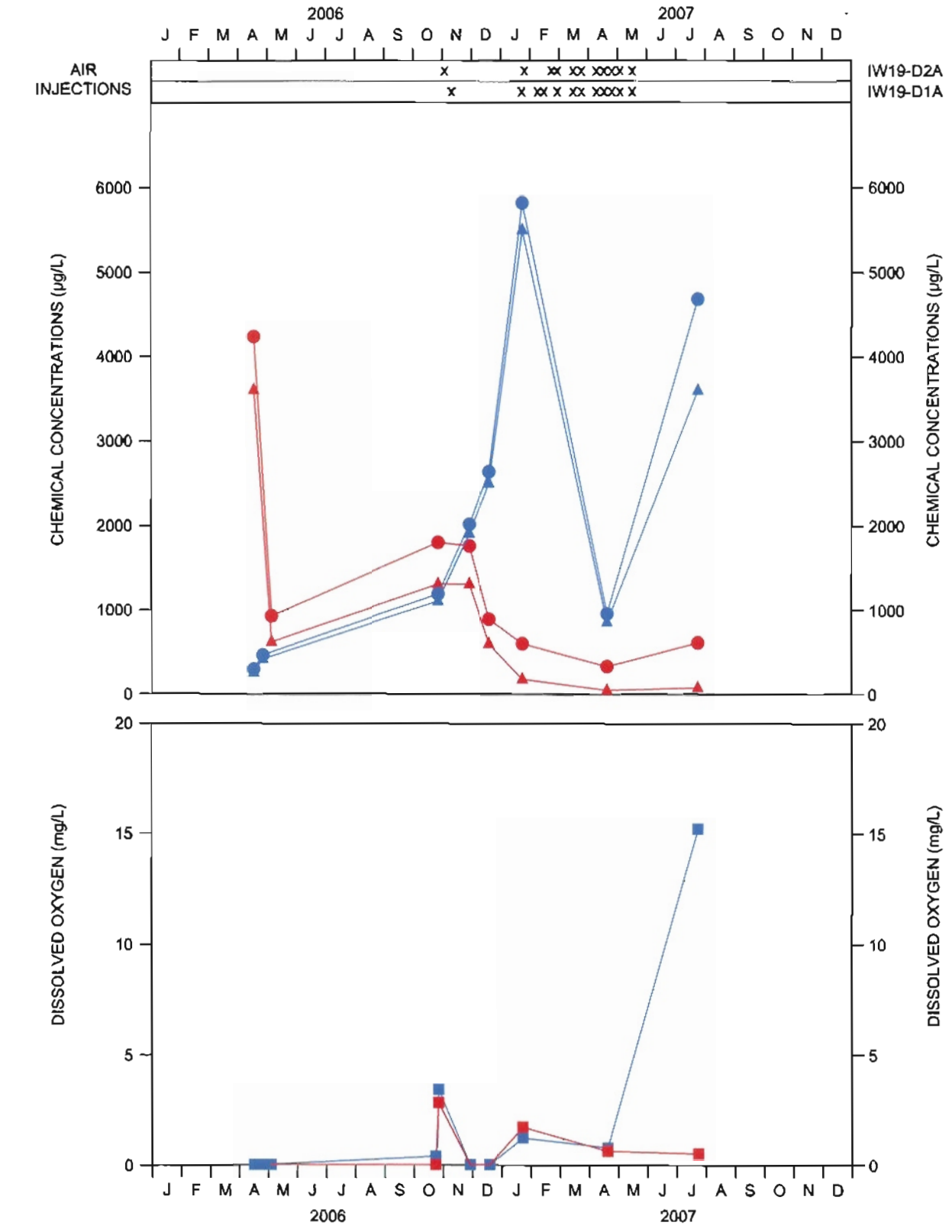
HOOKER/RUCO SITE - MIDDLE INJECTION FENCELINE



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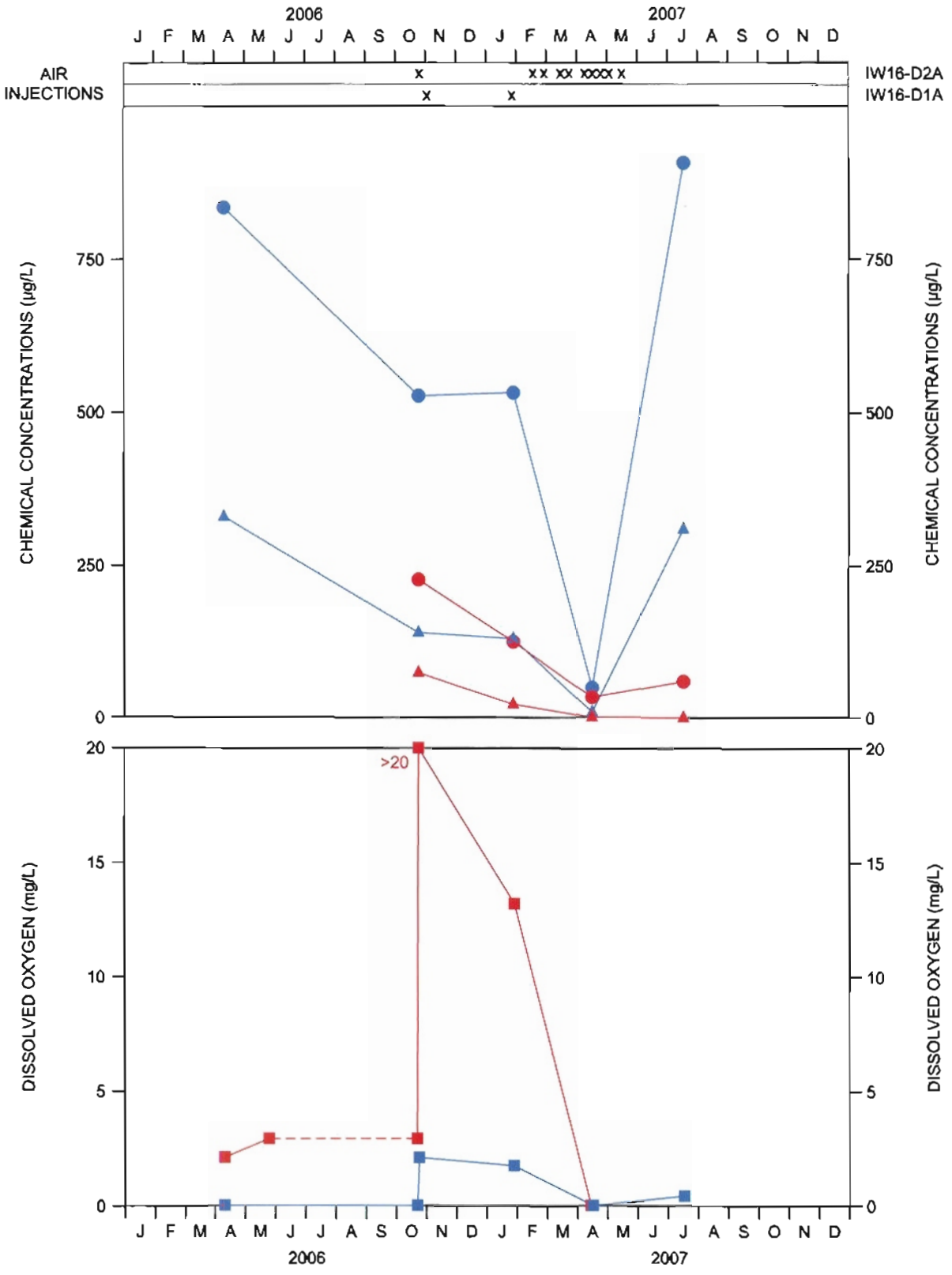
HOOKER/RUCO SITE - MIDDLE INJECTION FENCELINE



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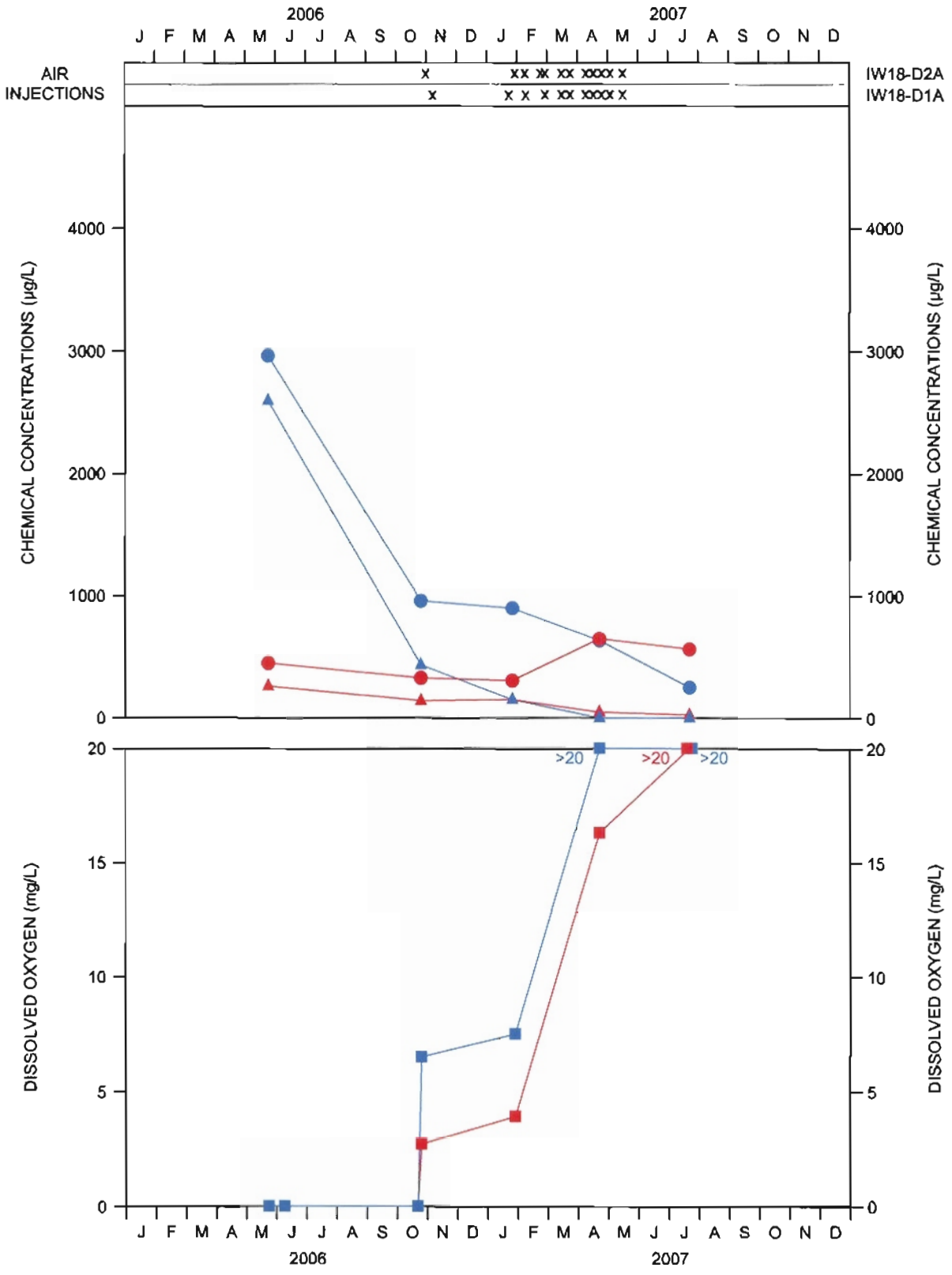
CHEMICAL CONCENTRATION PLOTS
HOOKER/RUCO SITE - MIDDLE INJECTION FENCELINE



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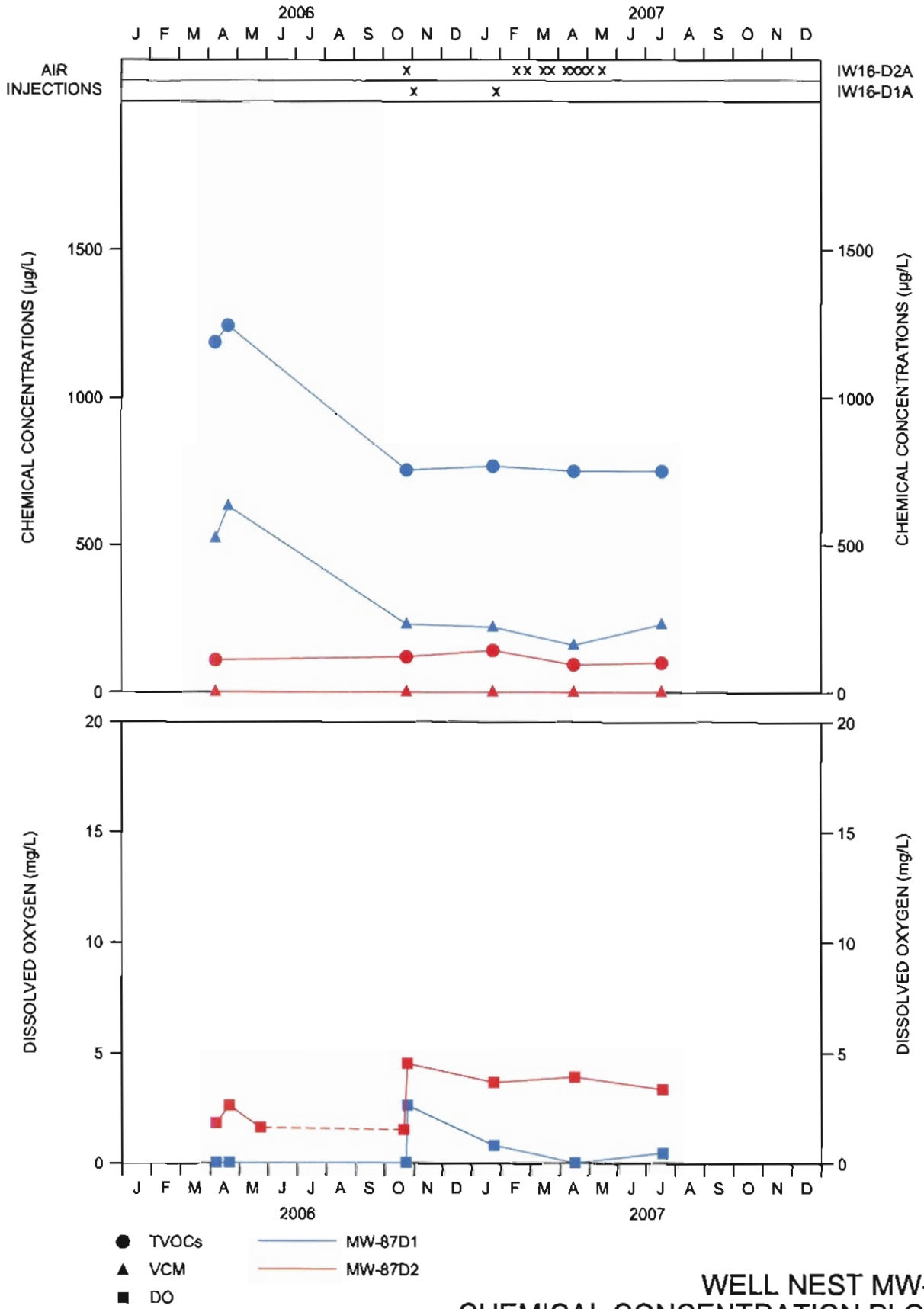
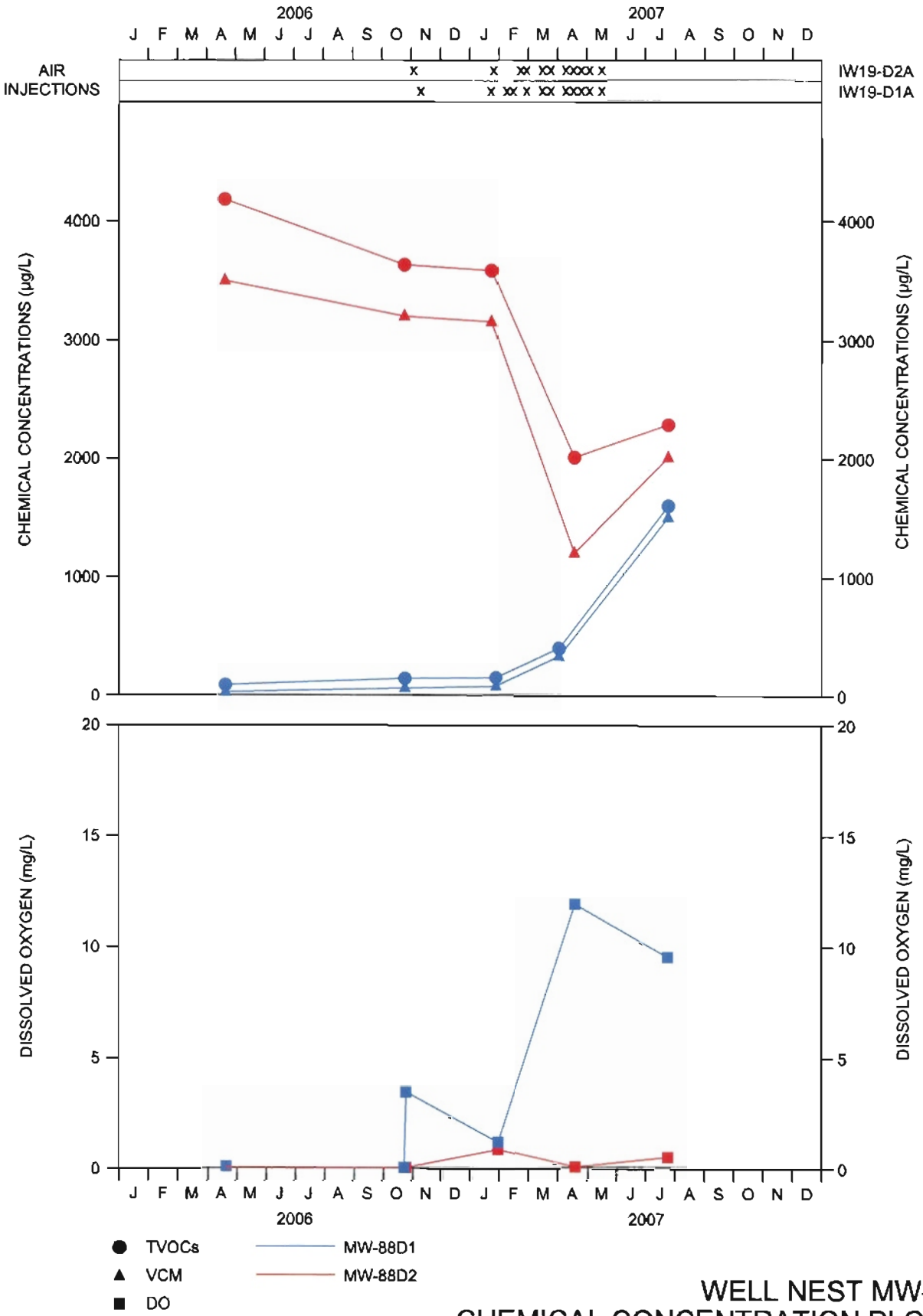
CHEMICAL CONCENTRATION PLOTS
HOOKER/RUCO SITE - MIDDLE INJECTION FENCELINE



WELL NEST MW-87
CHEMICAL CONCENTRATION PLOTS
HOOKER/RUCO SITE - MIDDLE INJECTION FENCELINE



WELL NEST MW-88
CHEMICAL CONCENTRATION PLOTS
HOOKER/RUCO SITE - MIDDLE INJECTION FENCELINE

CONESTOGA-ROVERS
& ASSOCIATES

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Revised: September 19, 2007
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BY E-MAIL

ANALYTICAL DATA ASSESSMENT AND VALIDATION
HOOKER-RUCO QUARTERLY GROUNDWATER SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HICKSVILLE, NEW YORK
JULY 2007

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1.0 INTRODUCTION

Groundwater samples were collected at the former Hooker Ruco Site in Hicksville, New York (Site) in support of the quarterly groundwater sampling program. Analytical services were performed by H2M Labs, Inc., in Melville, New York (H2M). A summary of the sampling and analysis scheme is presented in Table 1.

A summary of the analytical data is presented in Tables 2A and 2B. The samples were analyzed for volatile organic compounds (VOCs), dissolved gases, total organic carbon (TOC), ammonia, nitrite, nitrate, and total phosphorus.

The quality assurance/quality control (QA/QC) criteria by which these data have been assessed are outlined in the analytical methods. Additional validation guidelines were referenced from the following documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-94-012, February 1994; and

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, February 1994.

Full raw data deliverables were provided by the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results and supporting QA/QC provided.

2.0 SAMPLE HOLDING TIMES

The method-specific holding time criteria are summarized in Table 5.1 of the Quality Assurance Project Plan (QAPP). All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled to 4°C (±2°C) after collection. All samples were received by the laboratory in good condition.

3.0 GAS CHROMATOGRAPH/MASS SPECTROMETER (GC/MS) TUNING AND MASS CALIBRATION - VOCs

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

Instrument tuning data were reviewed. Tuning compounds were analyzed at the required frequency throughout the VOC analysis period. All tuning criteria were met for the analyses, indicating proper optimization of the instrumentation.

4.0 INSTRUMENT CALIBRATION

4.1 CC/MS CALIBRATION - VOCs

4.1.1 TUNING AND MASS CALIBRATION

Prior to analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the VOC method require the analysis of the specific tuning compounds BFB. The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Instrument tuning data were reviewed. Tuning compounds were analyzed at the required frequency throughout the VOC analysis period. All tuning criteria were met for the analyses, indicating proper optimization of the instrumentation.

4.1.2 INITIAL CALIBRATION

To quantify 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; and

ii) for average response factors are employed, percent relative standard deviation (%RSD) values must not exceed 30 percent.

The initial calibration data for VOCs were reviewed and met the above criteria for linearity and sensitivity for all compounds of interest with the exception of acetone in the curve analyzed on April 20, 2007. Associated sample results have been qualified as estimated (see Table 3).

4.1.3 CONTINUING CALIBRATION

To ensure that instrument calibration 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; and

ii) percent difference (%D) values must not exceed 25 percent.

Calibration standards were analyzed at the required frequency and the results met the above criteria for instrument sensitivity and linearity of response with the exception of some high %D recoveries. Associated sample results have been qualified as estimated (see Table 3).

4.2 GC CALIBRATION - DISSOLVED GASES

4.2.1 INITIAL CALIBRATION

To quantify compounds of interest in samples, calibration of the GC over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed and linearity is assessed against a %RSD criterion of 25 percent for average response factors or correlation coefficient criterion of 0.990 or greater for liner regression.

The initial calibration data for dissolved gases were reviewed and met the above criteria for linearity and sensitivity for all compounds.

4.2.2 CONTINUING CALIBRATION

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

Calibration standards were analyzed at the required frequency and the results met the criteria of 25 %RPD for instrument sensitivity and linearity of response.

4.3 INSTRUMENTAL CALIBRATION - GENERAL CHEMISTRY

4.3.1 INITIAL CALIBRATION

Initial calibration of the instruments ensures that they are capable of producing satisfactory quantitative data at the beginning of a series of analyses. For general chemistry, calibration is performed based on the analysis of at least three standards and a blank. Resulting correlation coefficients for curves must be at least 0.995.

After calibration, 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 control limits of 85 to 115 percent.

Upon review of the data, it was determined that all inorganic 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 instrumentation used for these analyses were properly calibrated prior to sample analyses.

4.3.2 CONTINUING CALIBRATION

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.

5.0 SURROGATE COMPOUND ANALYSES - VOCs

In accordance with the methods employed, all samples, blanks, and standards analyzed for VOCs are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of individual sample matrices on analytical efficiency and are assessed against method control limits.

Surrogates were added to all samples, blanks, and QC samples prior to analysis. Surrogate recoveries met the acceptance criteria for all samples demonstrating acceptable analytical accuracy in this sample matrix.

6.0 INTERNAL STANDARD (IS) RECOVERIES - VOCs

To ensure that changes in GC/MS response and sensitivity do not affect sample analysis results, IS compounds are added to all samples, blanks, and spike samples prior to VOC analysis. All results are calculated as a ratio of the IS response. The criteria by which the IS results are assessed are as follows:

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

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

The sample IS recoveries met the above criteria and were used to calculate all positive sample results.

7.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES VOCs

To evaluate the effects of sample matrices on the measurement procedures, and accuracy of a particular analysis, samples are spiked in duplicate with a known concentration of the analytes of concern and analyzed as MS/MSD samples. Spike recoveries are not assessed for samples having original concentrations significantly greater than the spike concentration (>four times).

Analytical precision is evaluated based on the relative percent difference (RPD) between the MS and MSD.

MS/MSDs were performed at the required frequency for VOCs. The results showed acceptable accuracy and precision on this sample matrix.

8.0 MATRIX SPIKE (MS) AND DUPLICATE ANALYSES - GENERAL CHEMISTRY

To evaluate the effects of sample matrices on the measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS samples. The established control limits for inorganic matrix spike recoveries are 75 to 125 percent. Spike recoveries are not assessed for samples having original concentrations significantly greater than the spike concentration (>four times).

Analytical precision is evaluated based on the analysis of duplicate samples. Laboratory duplicate results are assessed against a maximum RPD of 20 percent.

MS and duplicate analyses were performed at the required frequency for all general chemistry parameters. The results showed acceptable accuracy and precision on this sample matrix.

9.0 LABORATORY CONTROL SAMPLE (LCS) ANALYSES

The LCS serves as a monitor of the overall performance of all steps in the analysis, including the sample preparation. LCSs are analyzed using the same sample preparation, analytical methods, and QA/QC procedures employed for the investigative samples.

LCSs were prepared and analyzed for all general chemistry, dissolved gases and VOC parameters. Most LCS results showed good overall analytical accuracy. Associated sample results for low VOC recoveries were qualified as estimated to reflect the potential low bias. Associated positive sample results for high VOC recoveries were qualified as estimated. Non-detect results associated with the high recoveries would not be impacted by the potential high bias (see Table 4).

10.0 METHOD BLANK ANALYSES

Method blanks are prepared from deionized water and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the procedures. Additionally, continuing calibration blanks (CCBs) are routinely analyzed after each CCV for the inorganic parameters.

For this study, method blanks were analyzed at a minimum frequency of one per analytical batch and CCBs were analyzed for inorganic parameters after each CCV. The data were non-detect for the analytes of interest with the exception of methylene chloride. Associated sample results with concentrations similar to those found in the blank were qualified as non-detect (see Table 5).

11.0 TENTATIVELY IDENTIFIED COMPOUNDS (TICs) - VOCs

Chromatographic peaks for VOC analyses, which are not target compounds, surrogates, or internal standards, are potential TICs. The 10 largest TICs for the VOC analysis with areas greater than 10 percent of the area of the nearest IS are tentatively identified and quantitated.

A summary of the TICs reported is presented in Table 6. TICs, which were present in laboratory blanks or were identified as aldol condensation products, were disregarded and are not included on the table.

12.0 FIELD QA/QC SAMPLES

The field QA/QC consisted of four trip blanks, one equipment blank, one rinse blank and two field duplicate samples.

The trip blanks, equipment blanks and rinse blank were non-detect for the compounds of interest with the exception of some VOCs and ammonia. The associated VOC and ammonia sample results with concentrations similar to those found in the blanks were qualified non-detect (see Table 7).

The field duplicate samples were collected as summarized in Table 1 and submitted "blind" to the laboratory for analysis. All sample results outside estimated ranges of detection showed acceptable sampling and analytical precision.

13.0 CONCLUSION

Based on the preceding assessment, the data summarized in Tables 2A and 2B are acceptable with the specific qualifications noted herein.

TABLES

TABLE 1

SAMPLING AND ANALYSIS SUMMARY
QUARTERLY GROUNDWATER SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

				Analysis/Parameters			
Sample ID	*Location ID*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*VOCs*	*TOC, NH_3, NO_2, NO_3, Total Phosphorus*	*Dissolved Gases*	*Comments*
G-071607-RR-001	MW-87-D2	07/16/07	14:40	X	X		
G-071707-RR-002	MW-87-D1	07/17/07	10:05	X	X		
G-071707-RR-003	MW-83-D2	07/17/07	12:55	X	X		
G-071707-RR-004	MW-83-D1	07/17/07	15:45	X	X		
G-071907-RR-005	RINSE BLANK	07/19/07	8:30	X	X		Rinse Blank
G-071907-RR-006	MW-81-D2	07/19/07	15:10	X	X		
G-072007-RR-007 MS/MSD	MW-61-DI	07/20/07	10:35	X	X		
G-072007-RR-008	MW-61-D1	07/20/07	13:00	X	X		Field duplicate of G-072007-RR-007
G-072307-RR-009	MW-81-D1	07/23/07	13:15	X	X		
G-072307-RR-010	MW-61-D2	07/23/07	16:40	X	X		
G-072407-RR-011	MW-84-D1	07/24/07	11:25	X	X		
G-072407-RR-012	MW-84-D2	07/24/07	17:10	X	X		
SUMA-072507-RR-001	VZ-11-S	07/25/07	10:50	X		X	
SUMA-072507-RR-002	VZ-11-D	07/25/07	11:05	X		X	
G-072507-RR-013	MW-82-D1	07/25/07	11:35	X	X		
G-072507-RR-014	water	07/25/07	17:45	X	X		
G-072507-RR-015	MW-82-D2	07/25/07	14:20	X	X		
SUMA-072507-RR-003	VZ-10-D	07/25/07	15:25	X		X	
SUMA-072507-RR-004	VZ-10-S	07/25/07	15:40	X		X	
G-072607-RR-016	MW-88-D1	07/26/07	10:40	X	X		
G-072607-RR-017	MW-88-D2	07/26/07	14:40	X	X		
G-072607-RR-018	MW-88-D2	07/26/07	14:50	X	X		Field duplicate of G-072607-RR-017
G-072707-RR-019	water	07/27/07	8:45	X			Equipment blank

Notes:
NH_3 Total Ammonia.
NO_2 Nitrate.
NO_3 Nitrite.
TOC Total Organic Carbon.
VOCs Volatile Organic Compounds.

TABLE 2A

ANALYTICAL RESULTS SUMMARY - GROUNDWATER
QUARTERLY SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameters	Units	Sample Location: IW-16 Sample ID: G-072507-RR-014 Sample Date: 7/25/2007	MW-61D1 G-072007-RR-007 7/20/2007	MW-61D1 G-072007-RR-008 7/20/2007 (Duplicate)	MW-61D2 G-072307-RR-010 7/23/2007	MW-81D1 G-072307-RR-009 7/23/2007	MW-81D2 G-071907-RR-006 7/19/2007	MW-82D1 G-072507-RR-013 7/25/2007	MW-82D2 G-072507-RR-015 7/25/2007	MW-83D1 G-071707-RR-004 7/17/2007	MW-83D2 G-071707-RR-003 7/17/2007
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	1	5 U	1	2	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	1	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	3	5 U	6.3	4	2	5 U	4
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5	1	3	5.1	1	3	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	7.5	7.3	150	53	12	160	44	74	4
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (Methyl Ethyl Ketone)	ug/L	38	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	16	27	11	5 U	5 U	4	5 UJ	5 UJ	5 U	5 U
Benzene	ug/L	5 U	0.7 U	0.7 U	1.5	1.6	0.7 U	1.7	0.7 U	0.7 U	0.7 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane (Methyl Bromide)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	4	4	5 U	2	5 U	1	5 U	5 U	5 U
Chloroethane	ug/L	5 U	5 U	5 U	5 U	37	5 U	11	5 U	5.6	5 U
Chloroform (Trichloromethane)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane (Methyl Chloride)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	ug/L	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	200	54	15	120	320 J	130	7.9
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	2	640	190	130	780 J	170 J	360	43
Vinyl chloride	ug/L	2 U	4.0	4.0	3500	490	40	3600	80	310	1
Xylene (total)	ug/L	5 U	5 U	5 U	5.0	3	5 U	4	5 U	5 U	5 U

TABLE 2A

ANALYTICAL RESULTS SUMMARY - GROUNDWATER
QUARTERLY SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameters	Units	Sample Location: IW-16 Sample ID: G-072507-RR-014 Sample Date: 7/25/2007	MW-61D1 G-072007-RR-007 7/20/2007	MW-61D1 G-072007-RR-008 7/20/2007 (Duplicate)	MW-61D2 G-072307-RR-010 7/23/2007	MW-81D1 G-072307-RR-009 7/23/2007	MW-81D2 G-071907-RR-006 7/19/2007	MW-82D1 G-072507-RR-013 7/25/2007	MW-82D2 G-072507-RR-015 7/25/2007	MW-83D1 G-071707-RR-004 7/17/2007	MW-83D2 G-071707-RR-003 7/17/2007
General Chemistry											
Ammonia	mg/L	-	0.93	0.83 U	0.44	1.06	0.41 U	0.27	0.73	0.51 U	0.11 U
Nitrate (as N)	mg/L	-	0.12	0.1 U	2.60	0.1 U	2.62	1.72	1.18	1.96	4.38
Nitrite (as N)	mg/L	-	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.20	0.1 U
Phosphorus	mg/L	-	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total Organic Carbon (TOC)	mg/L	-	14.2	15.9	1 U	2.2	1.5	2.0	1 U	1.2	1 U

TABLE 2A

ANALYTICAL RESULTS SUMMARY - GROUNDWATER
QUARTERLY SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameters	Units	Sample Location: MW-84D1 Sample ID: G-072407-RR-011 Sample Date: 7/24/2007	MW-84D2 G-072407-RR-012 7/24/2007	MW-87D1 G-071707-RR-002 7/17/2007	MW-87D2 G-071607-RR-001 7/16/2007	MW-88D1 G-072607-RR-016 7/26/2007	MW-88D2 G-072607-RR-017 7/26/2007	MW-88D2 G-072607-RR-018 7/26/2007 (Duplicate)	WASTECOMP G-072707-RR-019 7/27/2007
Volatile Organic Compounds									
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	2	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	3	2	8.4	5 U	3	3	5 U
1,1-Dichloroethene	ug/L	5 U	1	2	5.3	2	2	2	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	6.5	34	73	16	19	85	85	8.6
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone (Methyl Ethyl Ketone)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	4	5.7	5 U	5 U	3 J	5 UJ	5 U	7 9
Benzene	ug/L	0.7 U	0.7 U	0.7 U	0.7 U	1.0	0.7 U	0.7 U	0.7 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Bromomethane (Methyl Bromide)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	2	2	5 U
Carbon tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	3	5 U	5 U	5 U
Chloroethane	ug/L	5 U	5 U	4	5 U	6.4	2	5 U	5 U
Chloroform (Trichloromethane)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane (Methyl Chloride)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	ug/L	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	ug/L	47	59	83	16	37	97	94	10
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	28	27	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	180	440	400	54	28 J	57 J	56 J	38 J
Vinyl chloride	ug/L	12	20	190	2 U	1500	2000	1800	71
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	2	5 U	5 U	5 U

TABLE 2A

ANALYTICAL RESULTS SUMMARY - GROUNDWATER
QUARTERLY SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameters	Units	Sample Location: MW-84D1 Sample ID: G-072407-RR-011 Sample Date: 7/24/2007	MW-84D2 G-072407-RR-012 7/24/2007	MW-87D1 G-071707-RR-002 7/17/2007	MW-87D2 G-071607-RR-001 7/16/2007	MW-88D1 G-072607-RR-016 7/26/2007	MW-88D2 G-072607-RR-017 7/26/2007	MW-88D2 G-072607-RR-018 7/26/2007 (Duplicate)	WASTECOMP G-072707-RR-019 7/27/2007
General Chemistry									
Ammonia	mg/L	0.38	0.93	0.90 U	0.12 U	0.26	0.61	0.72	-
Nitrate (as N)	mg/L	4.18	1.90	4.10	3.32	0.1 U	0.1 U	0.1 U	-
Nitrite (as N)	mg/L	0.1 U	0.23	0.1 U	0.1 U	0.1 U	0.14	0.12	-
Phosphorus	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	-
Total Organic Carbon (TOC)	mg/L	1 U	1.3	1 U	1 U	2.3	8.6	8.7	-

Notes:
- Not analyzed.
J Estimated.
U Not detected.
UJ Not detected, estimated reporting limit.

TABLE 2B

ANALYTICAL RESULTS SUMMARY - SOIL
QUARTERLY MONITORING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

	Sample Location:	VZ-10 (D)	VZ-10 (S)	VZ-11 (D)	VZ-11 (S)
	Sample ID:	SUMA-072507-RR-003	SUMA-072507-RR-004	SUMA-072507-RR-002	SUMA-072507-RR-001
	Sample Date:	7/25/2007	7/25/2007	7/25/2007	7/25/2007
Parameters	*Units*				
Volatile Organic Compounds					
1,1,1-Trichloroethane	ppbv	0.12 J	5 U	0.13 J	0.84
1,1,2,2-Tetrachloroethane	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,1-Dichloroethane	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,1-Dichloroethene	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	ppbv	0.17 J	5 U	0.98	0.62
1,2-Dibromoethane (Ethylene Dibromide)	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,2-Dichloropropane	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,2-Dichlorotetrafluoroethane (CFC 114)	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ppbv	0.5 U	5 U	0.31 J	0.21 J
1,3-Butadiene	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ppbv	0.67	5 U	0.71	0.67
1,4-Dichlorobenzene	ppbv	0.5 U	5 U	0.5 U	0.5 U
1,4-Dioxane	ppbv	0.5 U	5 U	0.5 U	0.5 U
2-Butanone (Methyl Ethyl Ketone)	ppbv	104	1220000	5540	119
2-Hexanone	ppbv	0.35 J	5 U	0.5 U	0.5 U
4-Ethyl toluene	ppbv	0.11 J	5 U	0.79	0.52
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ppbv	0.5 U	5 U	0.5 U	0.5 U
Acetone	ppbv	9.80	51000 J	32.1	6.65
Benzyl Chloride	ppbv	0.5 U	5 U	0.5 U	0.5 U
Bromodichloromethane	ppbv	0.5 U	5 U	0.5 U	0.5 U
Bromoform	ppbv	0.5 U	5 U	0.5 U	0.5 U
Bromomethane (Methyl Bromide)	ppbv	0.5 U	5 U	0.5 U	0.5 U
Carbon disulfide	ppbv	0.36 J	123 J	6.04 J	0.69 J
Chlorobenzene	ppbv	0.5 U	5 U	0.5 U	0.5 U
Chloroethane	ppbv	0.5 U	19.9	0.5 U	0.5 U
Chloroform (Trichloromethane)	ppbv	0.11 J	5 U	0.29 J	0.36 J
Chloromethane (Methyl Chloride)	ppbv	0.5 U	184	2.24	0.81
cis-1,3-Dichloropropene	ppbv	0.5 U	5 U	0.5 U	0.5 U
Cyclohexane	ppbv	0.5 U	5 U	0.5 U	0.5 U
Dibromochloromethane	ppbv	0.5 U	5 U	0.5 U	0.5 U
Dichlorodifluoromethane (CFC-12)	ppbv	0.48 J	5 U	0.48 J	0.49 J

ANALYTICAL RESULTS SUMMARY - SOIL
QUARTERLY MONITORING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

	Sample Location:	*VZ-10 (D)*	*VZ-10 (S)*	*VZ-11 (D)*	*VZ-11 (S)*
	Sample ID:	*SUMA-072507-RR-003*	*SUMA-072507-RR-004*	*SUMA-072507-RR-002*	*SUMA-072507-RR-001*
	Sample Date:	*7/25/2007*	*7/25/2007*	*7/25/2007*	*7/25/2007*
Parameters	*Units*				
Ethanol	ppbv	24.4	23.2	13.5	6.98
Ethylbenzene	ppbv	0.5 U	5 U	0.21 J	0.17 J
Hexachlorobutadiene	ppbv	0.5 U	5 U	0.5 U	0.5 U
Hexane	ppbv	0.5 U	5 U	0.11 J	0.5 U
Isopropyl Alcohol	ppbv	0.46 J	5 U	1.41	0.43 J
Isopropylbenzene	ppbv	0.5 UJ	4.1 J	0.19 J	0.5 UJ
m&p-Xylene	ppbv	0.5 U	1.2 J	0.65	0.54
Methyl Tert Butyl Ether	ppbv	0.5 U	5 U	0.5 U	0.5 U
Methylene chloride	ppbv	1.29 U	5 U	0.5 U	1.01 U
N-Heptane	ppbv	0.5 U	5 U	0.5 U	0.5 U
n-Propylbenzene	ppbv	0.5 U	5 U	0.10 J	0.5 U
o-Xylene	ppbv	0.5 U	5 U	0.41 J	0.32 J
Styrene	ppbv	0.5 U	1.8 J	0.55	0.11 J
Tetrachloroethene	ppbv	2.61	1.9 J	0.68	3.30
Tetrahydrofuran	ppbv	27.7	480000	912	30 3
Toluene	ppbv	0.5 U	21.1	0.38 J	0.18 J
trans-1,2-Dichloroethene	ppbv	0.5 U	5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ppbv	0.5 U	5 U	0.5 U	0.5 U
Trichlorofluoromethane (CFC-11)	ppbv	0.40 J	5 U	0.34 J	0.45 J
Trifluorotrichloroethane (Freon 113)	ppbv	0.22 J	5 U	0.15 J	0.19 J
Vinyl acetate	ppbv	0.5 U	5 U	0.5 U	0.5 U
Vinyl chloride	ppbv	0.5 U	28.4	0.5 U	0.5 U
Gas					
Methane	ppmv	6 U	14	15	9 U

Notes:
J Estimated.
U Not detected.
UJ Not detected, estimated reporting limit.

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
QUARTERLY GROUNDWATER SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameter	*Calibration Date*	*Compound*	*%D*	*Associated Sample ID*	*Sample Results*	*Units*	*Qualifier*
VOCs	07/26/07	Bromoform	29	G-072307-RR-009	5 U	ug/L	UJ
				G-072307-RR-010	5 U	ug/L	UJ
				G-072407-RR-011	5 U	ug/L	UJ
				G-072407-RR-012	5 U	ug/L	UJ
				G-072507-RR-014	5 U	ug/L	UJ
VOCs	08/02/07	Acetone	28	G-072507-RR-013	5 U	ug/L	UJ
				G-072507-RR-015	5 U	ug/L	UJ
				G-072607-RR-016	3 J	ug/L	*
				G-072607-RR-017	5 U	ug/L	UJ
VOCs	08/02/07	Trichloroethene	28	G-072507-RR-015	170	ug/L	J
				G-072607-RR-016	28	ug/L	J
				G-072607-RR-017	57	ug/L	J
VOCs	08/02/07	Bromoform	29	G-072607-RR-018	5 U	ug/L	UJ
				G-072707-RR-019	5 U	ug/L	UJ
VOCs	08/03/07	Trichloroethene	32	G-072507-RR-013	780	ug/L	J
VOCs	08/03/07	Tetrachloroethene	26	G-072507-RR-015	320	ug/L	J
VOCs	08/06/07	Isopropylbenzene	34	SUMA-072507-RR-001	.5 U	ppbv	UJ
				SUMA-072507-RR-002	.19 J	ppbv	*
				SUMA-072507-RR-003	.5 U	ppbv	UJ
				SUMA-072507-RR-004	4.1 J	ppbv	*

Notes:

* Value previously qualified as estimated by the laboratory.
%D Percent Difference.
J Estimated.
U Not detected.
UJ Not detected, estimated reporting limit.
VOCs Volatile Organic Compounds.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RESULTS
QUARTERLY GROUNDWATER SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameter	*Compound*	*Percent Recovery*	*Control Limits (percent)*	*Associated Sample ID*	*Sample Results*	*Units*	*Qualifier*
VOCs	Trichloroethene	119	57 - 115	G-072507-RR-015	170	ug/L	J
				G-072607-RR-016	28	ug/L	J
				G-072607-RR-017	57	ug/L	J
VOCs	Trichloroethene	125	57 - 115	G-072607-RR-018	58	ug/L	J
				G-072707-RR-019	36	ug/L	J
VOCs	Carbon disulfide	146	70 - 130	SUMA-072507-RR-001	0.69	ppbv	J
				SUMA-072507-RR-002	6.04	ppbv	J
				SUMA-072507-RR-003	0.36 J	ppbv	*
				SUMA-072507-RR-004	123	ppbv	J
VOCs	Trifluorotrichloroethane	131	70 - 130	SUMA-072507-RR-001	0.19 J	ppbv	*
				SUMA-072507-RR-002	0.15 J	ppbv	*
				SUMA-072507-RR-003	0.22 J	ppbv	*
VOCs	2-Hexanone	133	70 - 130	SUMA-072507-RR-003	0.35 J	ppbv	*
VOCs	n-Propylbenzene	44	70 - 130	SUMA-072507-RR-002	0.1 J	ppbv	*
VOCs	Isopropylbenzene	50	70 - 130	SUMA-072507-RR-002	0.19 J	ppbv	*
				SUMA-072507-RR-004	4.1 J	ppbv	*

Notes
* Value previously qualified as estimated by the laboratory.
J Estimated.
U Not detected.
UJ Not detected, estimated reporting limit.
VOCs Volatile Organic Compounds.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
QUARTERLY GROUNDWATER SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Sample Result*	*Qualified Result*	*Units*
VOCs	08/06/07	Methylene chloride	0.55	SUMA-072507-RR-001	1.01	1.01U	ppbv
				SUMA-072507-RR-002	0.48 J	0.5U	ppbv
				SUMA-072507-RR-003	1.29	1.29U	ppbv

Notes:
J Estimated.
U Not detected.
VOCs Volatile Organic Compounds.

TABLE 6

TENTATIVELY IDENTIFIED COMPOUNDS
QUARTERLY GROUNDWATER SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Sample Identification	*Volatile Organics*	*Estimated Concentration (ppbv)*	*Semi-Volatile Organics*	*Estimated Concentration (ppbv)*
SUMA-072507-RR-001	Naphthalene, 2,3-dimethyl-	1.1J	-	-
	Cyclohexanone	4.8J	-	-
SUMA-072507-RR-002	Butane, 2-methyl-	1.0J	-	-
	Thiirane	5.3J	-	-
	Cyclohexanol	7.1J	-	-
	Cyclohexanone	190J	-	-
SUMA-072507-RR-003	Ethane, 1-chloro-1,1-difluoro	107J	-	-
	Cyclohexanone	26J	-	-
SUMA-072507-RR-004	1-Butene	856J	-	-
	1,2-Pentadiene	150J	-	-
	Furan	393J	-	-
	Pentane, 2-methyl-	989J	-	-
	2-Butene, 2,3-dimethyl	264J	-	-
	2-Pentene, 3-methyl-, (Z)-	3460J	-	-
	Thiirane	113000J	-	-
	Unknown	9560J	-	-
	Unknown Alkene	160J	-	-

Notes:
- Not analyzed.
J Estimated.

TABLE 7

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE RINSE BLANKS
QUARTERLY GROUNDWATER SAMPLING
MILLER SPRINGS REMEDIATION MANAGEMENT, INC.
HOOKER-RUCO SITE
HICKSVILLE, NEW YORK
JULY 2007

Parameter	*Rinse Blank Date*	*Analyte*	*Blank Result*	*Sample ID*	*Sample Result*	*Qualified Sample Result*	*Units*
VOCs	07/19/07	Trichloroethene	1J	G-072007-RR-007	2J	5 U	ug/L
General Chemistry	07/19/07	Ammonia	0.18	G-071607-RR-001	0.12	0.12 U	mg/L
				G-071707-RR-002	0.90	0.90 U	mg/L
				G-071707-RR-003	0.11	0.11 U	mg/L
				G-071707-RR-004	0.51	0.51 U	mg/L
				G-071907-RR-006	0.41	0.41 U	mg/L
				G-072007-RR-008	0.83	0.83 U	mg/L

Notes:

J	Estimated.
U	Not detected.
VOCs	Volatile Organic Compounds.