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NYSDEC REG 9
FOIL
✓ REL UNREL

2005.0308.00
August 21, 2009

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York, 14203-2999

Attn: Linda Ross
Project Manager

Re: Former Roblin Steel Site, Dunkirk, New York
Post-Remedial Groundwater Monitoring Event – February 2009

Dear Linda,

This letter report presents information relating to the Post-Remedial Groundwater Monitoring event performed by TVGA Consultants (TVGA) on behalf of the Chautauqua County Department of Public Facilities (CCDPF) at the Former Roblin Steel Site (project site). This monitoring event was conducted in general accordance with the April 2009 Final Site Management Plan (SMP) to evaluate the performance and effectiveness of the remedial program completed at the site in 2007 and constitutes the first semi-annual groundwater monitoring event of 2009 as well as the first monitoring event following the remedial activities. Figure 1 shows the location of the project site, while Figure 2 depicts the locations of the sampled monitoring wells.

Contaminants associated with chlorinated solvents and petroleum products had been detected in soil and groundwater at the project site during previous investigations. The investigatory work also included the evaluation of various remedial alternatives and the selection of the most appropriate remedy for the site. The remedial activities to address the soil and groundwater contamination were implemented in 2007 and included the removal and off-site disposal of impacted soils and the injection of mixing of iron filings in the groundwater to treat the impacted groundwater in situ. The sampling activities described below were implemented to evaluate the efficacy of these remedial actions.

The groundwater monitoring program will be conducted for 30 years, and includes semi-annual monitoring for the first five years followed by annual monitoring for the remaining 25 years. The necessity for and frequency of the monitoring program thereafter will be

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determined by New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH).

This groundwater monitoring event included:

- Collection of groundwater samples from MW-02, MW-04, MW-07R, MW-09R, EX-MW-11 and EX-MW-12 in accordance with procedures set forth in the SMP.
- Chemical analysis of the collected groundwater samples for volatile organic compounds (VOCs) appearing on the USEPA Target Compound List (TCL).
- Comparison of post-remedial groundwater analytical results to pre-remedial analytical results and groundwater standards.
- Evaluation of trends in contaminant levels in groundwater to determine if the remedy continues to be effective in achieving remedial goals.
- Preparation of this letter report.

SAMPLING METHODS

The scope of the first Semi-Annual Post Remedial Groundwater Monitoring Event was generally consistent with that outlined in the NYSDEC-approved April 2009 SMP for the Former Roblin Steel Site. The groundwater monitoring included the collection of groundwater samples from three of downgradient monitoring wells (MW-02, MW-04, and EX-MW-12) and the three well in areas of groundwater with elevated chlorinated VOCs (MW-09R, MW-07R and EX-MW-11). Figure 2 depicts the locations of the monitoring wells as well as the VOCs detected. Samples for this event were collected on February 10, 2009 (five wells) and May 4, 2009 (MW-7R only). Based on the absence of chlorinated solvents exceeding water quality standards during the 2002 Remedial Investigation, MW-01 and MW-12 were not sampled during this event. However, these wells will be included in subsequent sampling rounds, in accordance with the SMP.

Procedure

The groundwater monitoring wells were developed and sampled in accordance with the procedures detailed in Section 3.2 of the SMP. All monitoring well sampling activities were recorded in a field book and on groundwater sampling logs, which are included in Attachment 1. The well sampling logs also serve as the inspection forms for the groundwater monitoring well network, and other observations (e.g., well integrity, etc.) were therefore noted on the logs.

Prior to the initiation of groundwater sampling, groundwater levels were measured with an electronic water level indicator to determine the static water level below the top of the riser.

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The groundwater levels were used to determine the volume of standing water in the wells and to characterize the groundwater flow direction.

Well purging consisted of the evacuation of a minimum of three well volumes or, in the case of wells with slow recharge rates, until the well was evacuated to dryness. Well purging was performed in accordance with procedures detailed in the SMP using dedicated polyethylene bailers. After the completion of purging, the monitoring wells were allowed to recharge. The samples were collected within 24 hours of completion of well development using dedicated bailers and clean sample bottles (containing preservatives when required) provided by the laboratory. The groundwater samples collected from each well were submitted for analysis of TCL VOCs.

Sample Preservation and Handling

Immediately after collection, all samples were placed in a cooler and chilled with ice. To ensure sample integrity, a Chain-of-Custody (COC) sample record was established and kept with the samples to document each person that handled the samples. The samples were transported to Paradigm Environmental Services Inc. (Paradigm) or Adirondack Environmental Services Inc. (MW-7R only), which are both New York State Department of Health Environmental Laboratory Approval Program (ELAP) certified environmental laboratories, for analytical testing. The COC records established for the collected samples were maintained throughout laboratory handling. Copies of the COCs and complete analytical laboratory reports are included as Attachment 2.

Quality Assurance/Quality Control Samples

In addition to field samples, Quality Assurance/Quality Control (QA/QC) samples were collected to evaluate the effectiveness of the QA/QC procedures implemented during the field and laboratory activities associated with the project. These QA/QC samples included trip blank samples that were included with each group of samples and analyzed for TCL VOCs.

ANALYTICAL RESULTS

The following section summarizes and discusses the analytical results generated during this groundwater monitoring event. For discussion purposes, this data is compared with the NYSDEC's June 1998 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations in the Technical and Operational Guidance Series (TOGS) 1.1.1. The groundwater analytical results from this sampling event were also compared to the results from the 2002 Remedial Investigation, as summarized in Table 1. Figures 2 and

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3 depict the locations of the monitoring wells as well as the pre- and post-remedial analytical results, respectively.

One or more VOCs were detected in each of the samples above the SCGs, with the exception of those collected from MW-04 and EX-MW-12 in which no VOCs were detected. The VOCs detected in the monitoring wells generally consisted of BTEX compounds (benzene, toluene, ethylbenzene, and xylenes) and chlorinated solvents.

This event's results demonstrated a significant decrease in contaminant concentrations in comparison to the pre-remedial analytical results in five of the six wells. As shown in Table 1, wells MW-04 or EX-MW-12 contained elevated concentrations of VOCs during the pre-remedial sampling event, but VOCs were not detected during this sampling event. The most notable decrease in concentrations was observed in EX-MW-11, in which total VOC concentrations fell from 200,800 ug/L to 549 ug/L. The detected VOC concentrations in the post-remedial sample collected from MW-07R are generally consistent with the pre-remedial analytical results.

SUMMARY AND CONCLUSIONS

TVGA evaluated the progress of the enhanced natural attenuation of the contaminated groundwater at the Former Roblin Steel Site. The work involved the sampling and analysis of six groundwater samples and a comparison of this event's analytical results to pre-remedial results and groundwater standards. Based on the findings of this monitoring event, the following conclusions regarding the progress of the site remedy at the project site can be drawn:

- The comparison of the pre- and post-remedial groundwater analytical results showed decreases in VOC concentrations in each of the sampled wells with the exception of MW-07R. The concentrations of VOCs detected in post-remedial sample collected from MW-07R were generally consistent with the pre-remedial results.
- The analytical results for EX-MW-11 demonstrated the most significant decreases in VOC concentrations compared to pre-remedial analytical results.
- Based on the comparisons of the pre remedial analytical results to the post remedial analytical results it is evident that the enhanced natural attenuation is achieving the goal of reducing the concentrations of VOCs in the on-site groundwater

The next semi-annual post remedial groundwater monitoring event will be performed in the fall of 2009.



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Please do not hesitate to contact us with any questions or comments.

Very truly yours,

TVGA CONSULTANTS

A handwritten signature in blue ink, reading "James C. Manzella".

James C. Manzella
Project Scientist
DER: gmm

A handwritten signature in blue ink, reading "Daniel E. Riker".

Daniel E. Riker, P.G.
Project Manager

Cc: Cheryl Ruth (CCDPF)

N:\2005.0308.00-Roblin Remedial Design and Oversight\Engineering\10Deliverables\Post Remediation GW Sampling\Post Remediation Letter Report.doc

TABLES

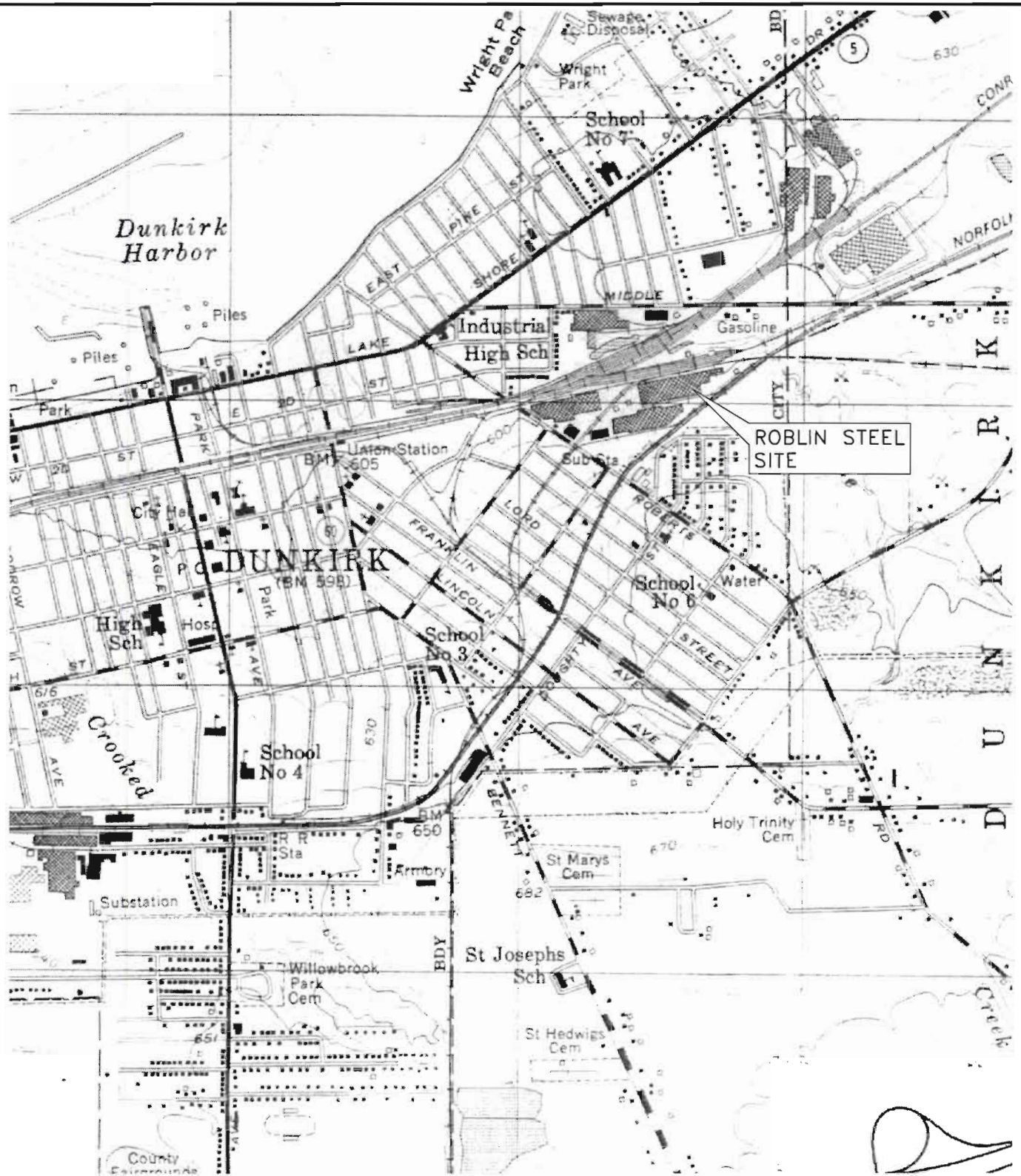
Table 1
Former Roblin Steel Site
Summary of Analytical Results
Groundwater Samples

PARAMETER	REGULATORY VALUE ⁽¹⁾	MW-02		MW-04		MW-07R		MW-09R		EX-MW-11		EX-MW-12	
Collection Date		10/10/02	2/10/09	10/10/02	2/10/09	10/10/02	5/4/09	10/10/02	2/10/09	10/10/02	2/10/09	10/10/02	2/10/09
Volatile Organic Compounds (ug/L)													
1,1-Dichloroethene	5					15		3	2.02				
cis-1,2-Dichloroethene	5	NA		NA		NA		NA	210	NA	354	NA	
trans-1,2-Dichloroethene	5	NA		NA		NA		NA	4.48	NA	NA	NA	
1,2-Dichloroethene (Total)	5	88				1,500		380	214.48	41,000	354	150	
1,2,4-Trimethylbenzene	5		10						12.9				
2-Butanone	50		33.5										
Benzene	1	18	7.92	6		10	65	35	11.5			1	
cis-1,3-Dichloropropene	5						1,500						
Ethylbenzene	5		9.81	2		4		12	5.66			1	
Methyl Cyclohexane	-						99						
n-Propylbenzene	5		2.57										
Tetrachloroethene	5						160						
Toluene	5	24	7.19			12	69	74	23.3				
m,p-Xylene	5	NA	7.62	NA		NA	67	NA	20.5	NA	NA	NA	
o-Xylene	5	NA	2.61	NA		NA		NA	11.5	NA	NA	NA	
Total Xylenes	5	11	10.23	10		23	67	75	32				
Trichloroethene	5	32				56		450	135	150,000	168		
Vinyl chloride	2	31				330	770	34	33	9,800	27	200	

Notes:

1. Regulatory values are derived from NYS Ambient Water Quality Standards TOGS 1.1.1 (Source of Drinking Water, groundwater).
2. Guidance value was used when standard was not available.
3. () = No regulatory value is associated with this compound.
4. Shaded values represent exceedances of the regulatory value.
5. ug/L = micrograms per Liter (equivalent to parts per billion (ppb)).
6. Only compounds with one or more detections are shown.
7. Blank spaces indicate that the analyte was not detected.
8. "NA" = parameter was not analyzed

FIGURES



SITE LOCATION MAP

TVGA
CONSULTANTS

1000 MAPLE ROAD
ELMA, NEW YORK 14059-9530
P. 716.655.8842
F. 716.655.0937
www.tvga.com

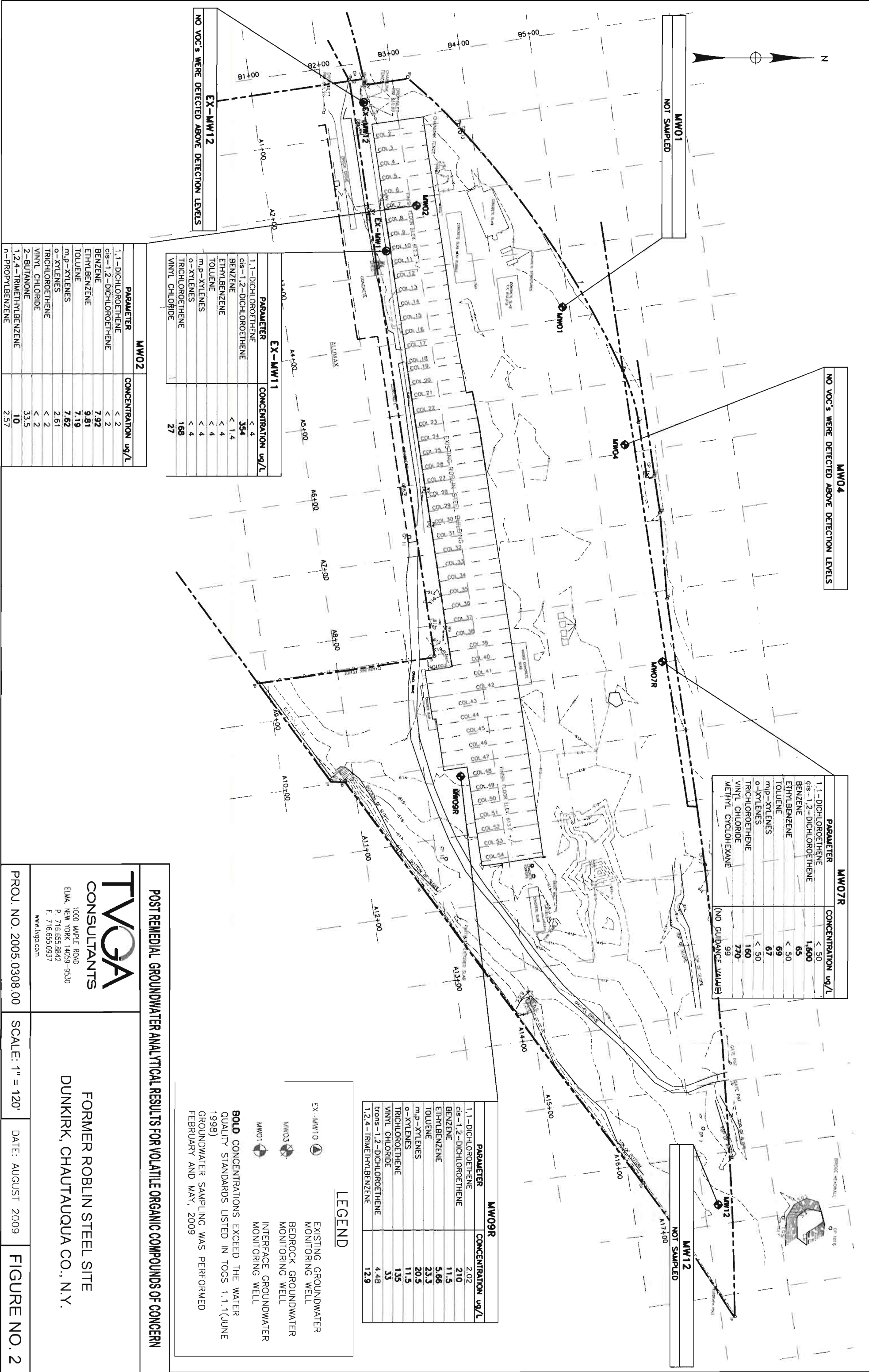
FORMER ROBLIN STEEL SITE
DUNKIRK, CHAUTAUQUA CO., N.Y.

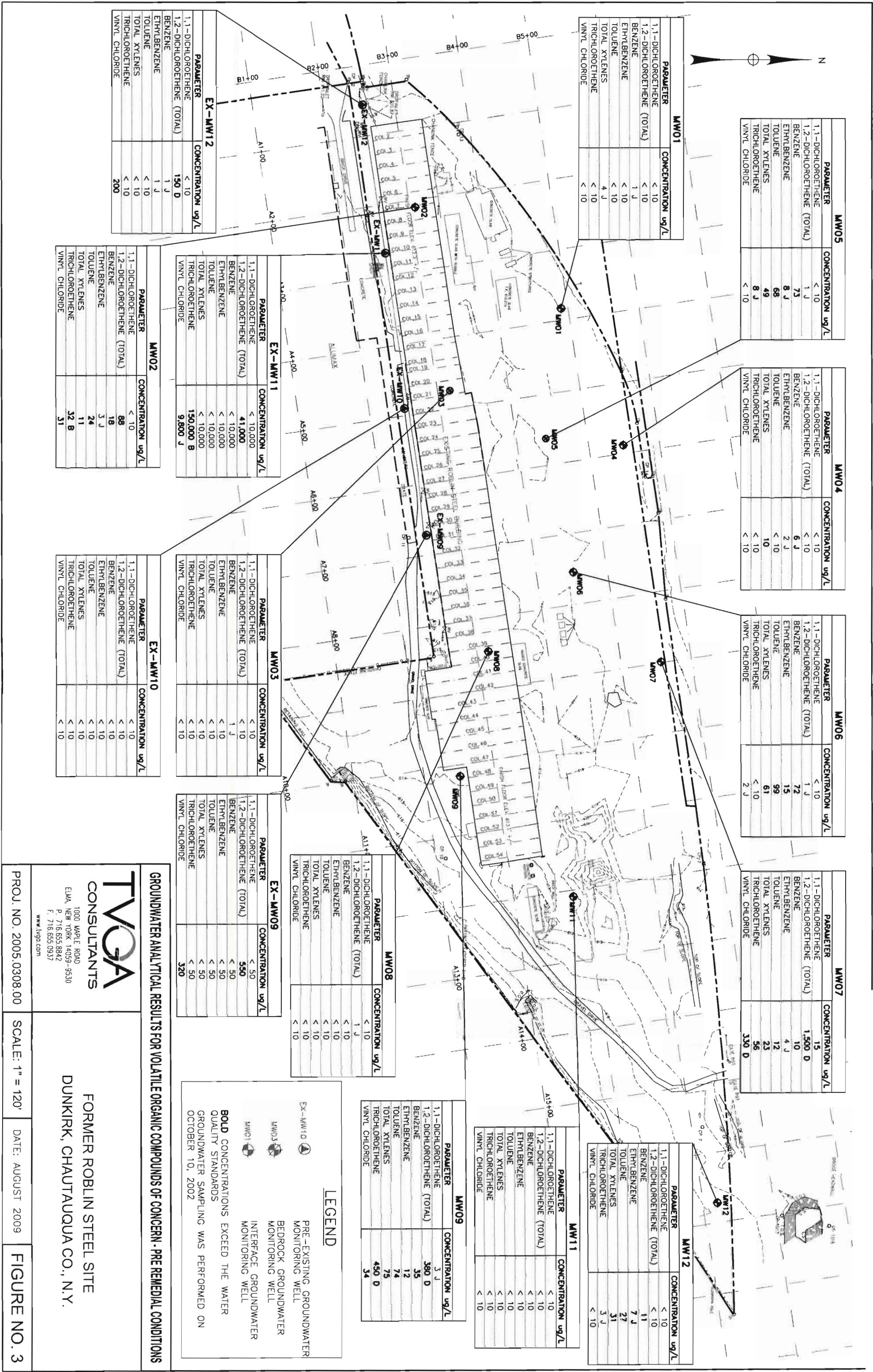
PROJ. NO. 2005.0308.00

SCALE: 1" = 2000'

DATE: AUGUST 2009

FIGURE NO. 1





ATTACHMENT 1
GROUNDWATER-SAMPLING LOGS

Project Name: Roblin Steel / Alumax
 Project Location: South Roberts Road, Dunkirk, NY

 Project No: 2005.0308.00 / 2009.0006.02
 Date: 2-10-2009
 Screen Length: _____

Purge Information:

 (1) Depth to Bottom of Well: 19.24 (from TOC) (2) Depth to Water: 6.51 ft (from TOC)

 (3) Column of Water: 12.73 (#1 - #2) (4) Casing Diameter: 2 in

 (5) Volume Conversion: 0.163 gal/ft (6) 1 Vol. of Well: 2.1 gal

 Method of Purging: pencil Bailer/Submersible/Other: _____

Visible ~~large~~ lump about 3-4' down more damage further down

Volume Conversion:

2" = 0.163

4" = 0.653

6" = 1.469

8" = 2.611

10" = 4.08

Field Analysis:

Vol Purged (gal)	0	2.1	4.2	6.3	8.4	10.5		SAMPLE
Time	1350	1415	1430	1500	1530	1610		1620
ORP/EH (MV)	-148	-163	-166	-145	-144	-161		16 159
pH	12.81	13.21	13.05	12.04	12.03	12.64		12.22
Cond. (MS/CM)	0.587	0.597	0.552	0.684	0.736	0.96		0.708
Turb. (NTU)	61.1	129	2570	2190	248	160		74.1
D.O. (mg/l)	5.74	8.56	8.12	2.82	6.77	6.42		6.27
Salinity (%)	0	0	0	0	0	0		0
Temp. (°C)	11.79	12.29	13.20	13.18	14.24	17.68		17.50

 Total Volume Purged: 10.5 gal Total Purge Time: 2hr 20min

Development Info:

Development Method: _____

 Comments: slightly turbid no odor after 1st volume;
0-1" dark grey flecks - possible iron fillings.

SAMPLE FOR STARS VOCs + TCL VOCs - method
solvent type odor during sample collection 9260

Logged By: James C. Manzella / Janette L. Kaminski

Project Name: Roblin Steel / Alumax
 Project Location: South Roberts Road, Dunkirk, NY

 Project No: 2005.0308.0072009.0006.02
 Date: 2 - 11 - 2009
 Screen Length: _____

Purge Information:

 (1) Depth to Bottom of Well: 16.09 (from TOC)
 (2) Depth to Water: 3.83 ft (from TOC)
 (3) Column of Water: 12.26 (#1 - #2)
 (4) Casing Diameter: 2" in
 (5) Volume Conversion: 0.163 gal/ft
 (6) 1 Vol. of Well: 2 gal

 Method of Purging: Bailer Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:

	Sample						
Vol Purged (gal)	0	2	4	6	8	10	-
Time	1200	1208	1212	1217	1221	1235	1240
ORP/EH (MV)	-81	-87	-92	-131	-177	-193	-249
pH	10.52	11.10	11.18	11.91	12.79	13.05	13.48
Cond. (MS/CM)	127	1.65	1.57	1.57	1.45	0.953	0.920
Turb. (NTU)	2994	356	461	710	799	799	261
D.O. (mg/l)	0.38	1.09	0.98	0.79	1.48	2.00	1.15
Salinity (%)	0.1	0.1	0.1	0.1	0.1	0	0
Temp. (°C)	12.10	12.08	12.68	13.37	13.48	13.53	13.67

 Total Volume Purged: 10 gallons gal Total Purge Time: 40 min
Development Info:

Development Method: _____

 Comments: Gray turbid w/ Sulfur smell, a lot of silt in the
Purge water
Analyzed for TCL & STARs VOCs by 8260

Logged By: James C. Manzella / Janette L. Kaminski

Project Name: Roblin Steel / Alumax

 Project Location: South Roberts Road, Dunkirk, NY

 Project No: 2005.0308.00 / 2009.0006.02

 Date: 2 - 11 - 2009

Screen Length: _____

Purge Information:

 (1) Depth to Bottom of Well: 15.77
 (from TOC)

 (2) Depth to Water: 373 ft
 (from TOC)

 (3) Column of Water: 12.04
 (#1 - #2)

 (4) Casing Diameter: 2 in

 (5) Volume Conversion: 0.163 gal/ft

 (6) 1 Vol. of Well: 2 gal

 Method of Purging: Bailer / Submersible / Other: _____

Volume Conversion:

2" = 0.163

4" = 0.653

6" = 1.469

8" = 2.611

10" = 4.08

Field Analysis:

Vol Purged (gal)	0	2	4	6	8	10		SAMPLE
Time	1030	1040	1050	1100	1110	1120	Rest/Recharge 10 min	1130
ORP/EH (MV)	-162	-158	-161	-144	-144	-135		-133
pH	12.50	12.68	12.74	12.81	12.33	12.25		12.09
Cond. (MS/CM)	0.484	0.454	0.457	0.439	0.417	0.450		0.481
Turb. (NTU)	57.1	262	146.0	99.6	92.6	30.6		9.5
D.O. (mg/l)	6.21	3.31	6.65	2.95	4.97	7.05		7.69
Salinity (%)	0	0	0	0	0	0		0
Temp. (°C)	12.20	12.80	12.72	12.66	13.02	11.38		10.94

 Total Volume Purged: 10 gal Total Purge Time: 50 min

Development Info:

Development Method: _____

 Comments: 0 - mostly clear w/ grey flecks suspended in water
6-1 Sulfur odor
1* oily odor but no green dark grey suspended flecks
inhibitor cleared up around 5 gallons

Logged By: James C. Manzella / Janette L. Kaminski

Project Name: Roblin Steel / Alumax

 Project Location: South Roberts Road, Dunkirk, NY

 Project No: 2005.0308.00 / 2009.0006.02

 Date: 2-10-2009

 Screen Length: 4.5 FTS
Purge Information:

 (1) Depth to Bottom of Well: 18.58 (2) Depth to Water: 3.91 ft
 (from TOC) (from TOC)

 (3) Column of Water: 14.67 (4) Casing Diameter: 2 in
 (#1 - #2)

 (5) Volume Conversion: 0.163 gal/ft (6) 1 Vol. of Well: 2.4 gal

 Method of Purging: Bailer/Submersible/Other:
Plug missing
Volume Conversion:

2" = 0.163

4" = 0.653

6" = 1.469

8" = 2.611

10" = 4.08

Field Analysis:

Vol Purged (gal)	0	2.5	5	7.5	10	12.5	15	17.5
Time	1315	1325	1335	1340	1350	1400	1410	1430
ORP/EH (MV)	39	-25	32	-74	-102	-120	-121	-127
pH	9.32	10.29	9.40	11.42	11.90	12.39	12.34	12.33
Cond. (MS/CM)	0.308	0.373	0.360	0.439	0.504	0.549	0.500	0.579
Turb. (NTU)	18.5	>999	>999	>999	>999	>999	>999	>999
D.O. (mg/l)	6.27	7.84	8.34	7.97	8.08	7.79	8.53	8.05
Salinity (%)	0.0	0	0	0	0	0	0	0
Temp. (°C)	12.13	11.83	11.05	11.51	12.17	12.26	12.79	13.29

 Total Volume Purged: 17.5 gal

 Total Purge Time: 1430
Development Info:

Development Method:

 Comments: Very turbid (gray) after 1st volume, no odor;
3rd volume - strong sulfur odor + dark grey

 Logged By: James C. Manzella / Janette L. Kaminski

Project Name: Roblin Steel / Alumax

 Project Location: South Roberts Road, Dunkirk, NY

 Project No: 2005.0308.00 / 2009.0006.02

 Date: 2-10-2009

Screen Length: _____

Purge Information:

 (1) Depth to Bottom of Well: 18.58
 (from TOC)

 (2) Depth to Water: 3.91 ft
 (from TOC)

 (3) Column of Water: 14.67
 (#1 - #2)

 (4) Casing Diameter: 2" in

 (5) Volume Conversion: 0.163 gal/ft

 (6) 1 Vol. of Well: 2.4 gal

 Method of Purging: Bailer Submersible/Other: _____

Volume Conversion:

2" = 0.163

4" = 0.653

6" = 1.469

8" = 2.611

10" = 4.08

Field Analysis:

Vol Purged (gal)	<u>Sample</u>								
Time	<u>1615</u>								
ORP/EH (MV)	<u>5</u>								
pH	<u>9.28</u>								
Cond. (MS/CM)	<u>0.255</u>								
Turb. (NTU)	<u>68.3</u>								
D.O. (mg/l)	<u>6.72</u>								
Salinity (%)	<u>0</u>								
Temp. (°C)	<u>16.44</u>								

 Total Volume Purged: — gal

 Total Purge Time: —
Development Info:

Development Method: _____

Comments:

Analyzed for TCL & STARS VOCs by 8260

 Logged By: James C. Manzella / Janette L. Kaminski

WELL DEVELOPMENT LOG
EX-MW-12
HOLE NO: AW-11

Project Name: Roblin Steel / Alumax
Project Location: South Roberts Road, Dunkirk, NY

Project No: 2005.0308.00 / 2009.0006.02
Date: 2-11-2009
Screen Length: _____

Purge Information:

(1) Depth to Bottom of Well: 2167
(from TOC)
(2) Depth to Water: 3.91 ft
(from TOC)
(3) Column of Water: 17.76
(#1 - #2)
(4) Casing Diameter: 2" in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 2.9 gal
Method of Purging: Bailer Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:

Vol Purged (gal)	0	2.9	5.8	8.7	11.6			SAMPLE
Time	1430	1440	1450	1500	1540			1505
ORP/EH (MV)	-16	-13	-53	-66	-42			74
pH	9.64	9.44	10.20	10.44	8.27			7.74
Cond. (MS/CM)	0.180	0.469	0.570	0.677	0.454			0.327
Turb. (NTU)	366.0	577.0	>999	>999	>999			54.0
D.O. (mg/l)	2.58	0.60	0	0.45	5.00			4.10
Salinity (%)	0	0	0	0	0			0
Temp. (°C)	18.40	12.76	13.87	13.28	13.23			15.52

Total Volume Purged: 11.6 gal Total Purge Time: 1540
Development Info:

Development Method: _____

Comments: missing J-pipe
light sheen during development + opaque dark gray i ~ 80%
Sample for TCL+STARS VOCs per 8260

Logged By: James C. Manzella / Janette L. Kaminski JK

Project Name: Former Robin Steel Site
 Project Location: Dunkirk, NY

 Project
 Date: 5 - 4 - 2009
Purge Information: [Well Riser=Casing (C); all measurements to TOC] Casing Diameter (in): 2 [Volume Conversion = 0.16]

 Visible Well Damage/Comments: NONE

 Well Depth (ft): 17.56 Water Level (ft): 2.97 Height of Water Column (ft): 14.59

 1 Well Volume [WV] (gal): 2.38 ⁵ Well Volumes (gal): 11.89

 Method of Purging: Bailer / Submersible / Other: peristaltic pump
Purge Field Parameters Purge Start Time: 12p

Volume (gal) / WV	ORP/Eh (mV)	pH (SU)	Temp. (°C)	Cond. (mS/cm)	Turb. (NTU)	[Totalizer Start= gal]	Characteristics
Initial / 0	1	5.88	12.72	0.553	467	3.42	
3 / 1	-73	6.27	12.07	0.593	>1000	2.51	lots of silt
6 / 2	-75	6.38	11.85	0.723	>1000	3.87	" " purged dry so waited
9 / 3	-69	6.41	12.18	0.922	>1000	13.14	" " almost dry again 15 min to restart development
12 / 4	-75	6.57	12.72	0.957	>1000	12.6	" "
14.5 / 5	-45	6.61	12.12	1.57	>1000	9.62	Dry after 2.5 gallons
16							

Total Volume Purged (gal): _____ Purge Complete Time: _____ [Water Level (ft.): _____]

Sampling Information: Date: 5 - 4 - 2009

 Sample Time: 2:35

 Sample Analysis: TCL + STARS VOCs

 No. of Bottles: 2 x 40mL VOA

No. of Bottles:

 Sampling Method: Bailer- VOCs All // Peristaltic w/dedicated tubing- Remainder ; All //
 Submersible- Remainder ; All // Manual grab w/- S/S Pitcher ; Sample Cont's

Sample Field Parameters

ORP/Eh (mV)	pH (SU)	Temp. (°C)	Cond. (mS/cm)	Turb. (NTU)	Characteristics
-69	6.55	13.62	1.61	476	7.74

Other Comments:

 Samplers' Name/Initials: James C. Manzella

ATTACHMENT 2
CHAIN-OF-CUSTODY/LABORATORY
ANALYTICAL RESULTS

Analytical Report Cover Page

TVGA

For Lab Project # 09-0583

Issued February 19, 2009

This report contains a total of 16 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

**Volatile Analysis Report for Non-potable Water**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: MW-2
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2358

Date Sampled: 02/10/2009
Date Received: 02/13/2009
Date Analyzed: 02/17/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

ELAP Number 10958

Method: EPA 8260B

Aromatics	Results in ug / L
Benzene	7.92
Chlorobenzene	ND< 2.00
Ethylbenzene	9.81
Toluene	7.19
m,p-Xylene	7.62
o-Xylene	2.61
Styrene	ND< 5.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	33.5
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

Data File: V63498.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: MW-2
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2358
Date Sampled: 02/10/2009
Date Received: 02/13/2009
Date Analyzed: 02/17/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 5.00	1,2,4-Trimethylbenzene	10.00
sec-Butylbenzene	ND< 5.00	1,3,5-Trimethylbenzene	ND< 5.00
tert-Butylbenzene	ND< 5.00		
n-Propylbenzene	2.57	Miscellaneous	
Isopropylbenzene	ND< 5.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 5.00		
Naphthalene	ND< 5.00		

ELAP Number 10958

Method: EPA 8260B

Data File: V63498.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Non-potable Water**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: MW-4
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2359
Date Sampled: 02/11/2009
Date Received: 02/13/2009
Date Analyzed: 02/16/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 5.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 10.0
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958

Method: EPA 8260B

Data File: V63464.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)**Client: **TVGA**

Client Job Site: Roblin Steel

Lab Project Number: 09-0583

Client Job Number: 2005.0308.00

Lab Sample Number: 2359

Field Location: MW-4

Date Sampled: 02/11/2009

Field ID Number: N/A

Date Received: 02/13/2009

Sample Type: Water

Date Analyzed: 02/16/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 5.00	1,2,4-Trimethylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00	1,3,5-Trimethylbenzene	ND< 5.00
tert-Butylbenzene	ND< 5.00		
n-Propylbenzene	ND< 2.00	Miscellaneous	
Isopropylbenzene	ND< 5.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 5.00		
Naphthalene	ND< 5.00		

ELAP Number 10958

Method: EPA 8260B

Data File: V63464.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Non-potable Water**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: MW-9
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2360
Date Sampled: 02/11/2009
Date Received: 02/13/2009
Date Analyzed: 02/16/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	2.02
cis-1,2-Dichloroethene	210
trans-1,2-Dichloroethene	4.48
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	135
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	33.0

Aromatics	Results in ug / L
Benzene	11.5
Chlorobenzene	ND< 2.00
Ethylbenzene	5.66
Toluene	23.3
m,p-Xylene	20.5
o-Xylene	11.5
Styrene	ND< 5.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 10.0
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958

Method: EPA 8260B

Data File: V63465.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: MW-9
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2360
Date Sampled: 02/11/2009
Date Received: 02/13/2009
Date Analyzed: 02/16/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 5.00	1,2,4-Trimethylbenzene	12.9
sec-Butylbenzene	ND< 5.00	1,3,5-Trimethylbenzene	ND< 5.00
tert-Butylbenzene	ND< 5.00		
n-Propylbenzene	ND< 2.00	Miscellaneous	
Isopropylbenzene	ND< 5.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 5.00		
Naphthalene	ND< 5.00		

ELAP Number 10958

Method: EPA 8260B

Data File: V63465.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Non-potable Water

Client: **TVGA**

Client Job Site: Roblin Steel

Lab Project Number: 09-0583

Lab Sample Number: 2361

Client Job Number: 2005.0308.00

Field Location: Dup

Date Sampled: 02/11/2009

Field ID Number: N/A

Date Received: 02/13/2009

Sample Type: Water

Date Analyzed: 02/16/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	208
trans-1,2-Dichloroethene	4.36
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	132
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	32.2

Aromatics	Results in ug / L
Benzene	11.7
Chlorobenzene	ND< 2.00
Ethylbenzene	5.76
Toluene	22.6
m,p-Xylene	20.9
o-Xylene	12.1
Styrene	ND< 5.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 10.0
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958

Method: EPA 8260B

Data File: V63466.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: Dup
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2361
Date Sampled: 02/11/2009
Date Received: 02/13/2009
Date Analyzed: 02/16/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 5.00	1,2,4-Trimethylbenzene	12.9
sec-Butylbenzene	ND< 5.00	1,3,5-Trimethylbenzene	ND< 5.00
tert-Butylbenzene	ND< 5.00		
n-Propylbenzene	ND< 2.00	Miscellaneous	
Isopropylbenzene	ND< 5.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 5.00		
Naphthalene	ND< 5.00		

ELAP Number 10958

Method: EPA 8260B

Data File: V63466.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Non-potable Water**Client: **TVGA**

Client Job Site: Roblin Steel
 Client Job Number: 2005.0308.00
 Field Location: EX-MW-11
 Field ID Number: N/A
 Sample Type: Water

Lab Project Number: 09-0583
 Lab Sample Number: 2362
 Date Sampled: 02/10/2009
 Date Received: 02/13/2009
 Date Analyzed: 02/17/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 4.00
Bromomethane	ND< 4.00
Bromoform	ND< 10.0
Carbon Tetrachloride	ND< 4.00
Chloroethane	ND< 4.00
Chloromethane	ND< 4.00
2-Chloroethyl vinyl Ether	ND< 20.0
Chloroform	ND< 4.00
Dibromochloromethane	ND< 4.00
1,1-Dichloroethane	ND< 4.00
1,2-Dichloroethane	ND< 4.00
1,1-Dichloroethene	ND< 4.00
cis-1,2-Dichloroethene	354
trans-1,2-Dichloroethene	ND< 4.00
1,2-Dichloropropane	ND< 4.00
cis-1,3-Dichloropropene	ND< 4.00
trans-1,3-Dichloropropene	ND< 4.00
Methylene chloride	ND< 10.0
1,1,2,2-Tetrachloroethane	ND< 4.00
Tetrachloroethene	ND< 4.00
1,1,1-Trichloroethane	ND< 4.00
1,1,2-Trichloroethane	ND< 4.00
Trichloroethene	168
Trichlorofluoromethane	ND< 4.00
Vinyl chloride	27.0

ELAP Number 10958

Method: EPA 8260B

Aromatics	Results in ug / L
Benzene	ND< 1.40
Chlorobenzene	ND< 4.00
Ethylbenzene	ND< 4.00
Toluene	ND< 4.00
m,p-Xylene	ND< 4.00
o-Xylene	ND< 4.00
Styrene	ND< 10.0
1,2-Dichlorobenzene	ND< 4.00
1,3-Dichlorobenzene	ND< 4.00
1,4-Dichlorobenzene	ND< 4.00

Ketones	Results in ug / L
Acetone	ND< 20.0
2-Butanone	ND< 20.0
2-Hexanone	ND< 10.0
4-Methyl-2-pentanone	ND< 10.0

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 10.0
Vinyl acetate	ND< 10.0

Data File: V63499.D

Comments: ND denotes Non Detect
 ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: EX-MW-11
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2362
Date Sampled: 02/10/2009
Date Received: 02/13/2009
Date Analyzed: 02/17/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 10.0	1,2,4-Trimethylbenzene	ND< 10.0
sec-Butylbenzene	ND< 10.0	1,3,5-Trimethylbenzene	ND< 10.0
tert-Butylbenzene	ND< 10.0		
n-Propylbenzene	ND< 4.00	Miscellaneous	
Isopropylbenzene	ND< 10.0	Methyl tert-butyl Ether	ND< 4.00
p-Isopropyltoluene	ND< 10.0		
Naphthalene	ND< 10.0		

ELAP Number 10958

Method: EPA 8260B

Data File: V63499.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Non-potable Water**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: EX-MW-12
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2363
Date Sampled: 02/10/2009
Date Received: 02/13/2009
Date Analyzed: 02/16/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

ELAP Number 10958

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 5.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 10.0
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

Data File: V63468.D

Method: EPA 8260B

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: EX-MW-12
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2363
Date Sampled: 02/10/2009
Date Received: 02/13/2009
Date Analyzed: 02/16/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 5.00	1,2,4-Trimethylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00	1,3,5-Trimethylbenzene	ND< 5.00
tert-Butylbenzene	ND< 5.00		
n-Propylbenzene	ND< 2.00	Miscellaneous	
Isopropylbenzene	ND< 5.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 5.00		
Naphthalene	ND< 5.00		

ELAP Number 10958

Method: EPA 8260B

Data File: V63468.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Non-potable Water**Client: **TVGA**

Client Job Site: Roblin Steel
Client Job Number: 2005.0308.00
Field Location: Trip Blank
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 09-0583
Lab Sample Number: 2364
Date Sampled: 02/06/2009
Date Received: 02/13/2009
Date Analyzed: 02/16/2009

Halocarbons	Results in ug / L
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 10.0
Chloroform	ND< 2.00
Dibromochloromethane	ND< 2.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	ND< 2.00
trans-1,2-Dichloroethene	ND< 2.00
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Methylene chloride	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00

ELAP Number 10958

Method: EPA 8260B

Aromatics	Results in ug / L
Benzene	ND< 0.700
Chlorobenzene	ND< 2.00
Ethylbenzene	ND< 2.00
Toluene	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00
Styrene	ND< 5.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in ug / L
Acetone	ND< 10.0
2-Butanone	ND< 10.0
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in ug / L
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

Data File: V63469.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Non-potable Water (Additional STARS Compounds)

Client: **TVGA**

Client Job Site: Roblin Steel

Lab Project Number: 09-0583

Lab Sample Number: 2364

Client Job Number: 2005.0308.00

Field Location: Trip Blank

Date Sampled: 02/06/2009

Field ID Number: N/A

Date Received: 02/13/2009

Sample Type: Water

Date Analyzed: 02/16/2009

Aromatics	Results in ug / L	Aromatics	Results in ug / L
n-Butylbenzene	ND< 5.00	1,2,4-Trimethylbenzene	ND< 5.00
sec-Butylbenzene	ND< 5.00	1,3,5-Trimethylbenzene	ND< 5.00
tert-Butylbenzene	ND< 5.00		
n-Propylbenzene	ND< 2.00	Miscellaneous	
Isopropylbenzene	ND< 5.00	Methyl tert-butyl Ether	ND< 2.00
p-Isopropyltoluene	ND< 5.00		
Naphthalene	ND< 5.00		

ELAP Number 10958

Method: EPA 8260B

Data File: V63469.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
Roblin's Steel

REPORT TO:

INVOICE TO:

COMPANY: TVG A	ADDRESS: 1000 Maple Rd	CITY: Elmira	STATE: NY	ZIP: 14857
ATTN: James Manzella	PHONE: 716-655-8844	FAX: 716-655-8844		
COMPANY: STAFFE	ADDRESS: STAFFE	CITY: STAFFE	STATE: STAFFE	ZIP: STAFFE
ATTN: Accounting / J. Kaminiski	PHONE: STAFFE	FAX: STAFFE		

REQUESTED ANALYSIS

LAB PROJECT #:	0583	CLIENT PROJECT #:	2005030800
DATE:	09-08-03	DATE:	09-08-03
TURNAROUND TIME: (WORKING DAYS)	22	DATE:	09-08-03
QUOTE #:	1	STD	5
OTHER			

DATE	TIME	COMPOSITION	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONCENTRATION	REMARKS	PARADIGM LAB SAMPLE NUMBER
2/10/09	1620	X		MW-2	AA	2		2358
2/11/09	1240	X		MW-4	AA	2		2359
2/11/09	1130	X		MW-9	AA	2		2360
2/11/09	1130	X		DUP	AA	2		2361
2/10/09	1615	X		EX-MW-11	AA	2		2362
2/11/09	1605	X		EX-MW-12	AA	2		2363
2/10/09		X		trip blank	AA	1		2364
8 persample label								
9	EAH 2/13							
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Holding Time:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Temperature:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Comments:	50 Ciced

Sampled By: James C. Manzella	Date/Time: 2-11-09 / 16:30
Relinquished By: James C. Manzella	Date/Time: 2-12-09 / 850
Received By: Elizabeth A. Homel	Date/Time: 2-13-09 / 1330
Received @ Lab By:	Date/Time:

P.L.F.

Total Cost:



Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

May 15, 2009

James C. Manzella
TVGA Consultants
One Thousand Maple Road
Elma, NY 14059

Work Order No: 090506012

TEL: (716) 655-8842

FAX: (716) 655-0937

RE: Former Roblin Steel Site
Dunkirk NY

Dear James C. Manzella:

Adirondack Environmental Services, Inc received 2 samples on 5/6/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Christopher Hess
QA Manager

ELAP#: 10709
AIHA#: 100307

RECEIVED
MAY 18 2009
TVGA

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

T - Tentatively Identified Compound-Estimated Conc.

E - Value above quantitation range

Adirondack Environmental Services, Inc

CASE NARRATIVE

CLIENT: TVGA Consultants

Date: 15-May-09

Project: Former Roblin Steel Site

Lab Order: 090506012

This is an updated report 5/15/09 to correct the units reported.

Qualifiers:

ND - Not Detected at the Reporting Limit

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E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: 15-May-09

CLIENT: TVGA Consultants

Client Sample ID: MW-7R

Work Order: 090506012

Collection Date: 5/4/2009

Reference: Former Roblin Steel Site / Dunkirk NY

Lab Sample ID: 090506012-001

PO#:

Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: ML
Chloromethane	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
Bromomethane	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
Vinyl chloride	770	100		µg/L	10	5/11/2009 12:20:00 PM
Chloroethane	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
Methylene chloride	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Acetone	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
Carbon disulfide	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,1-Dichloroethene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,1-Dichloroethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
trans-1,2-Dichloroethene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
cis-1,2-Dichloroethene	1500	50		µg/L	10	5/11/2009 12:20:00 PM
Chloroform	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,2-Dichloroethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
2-Butanone	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
1,1,1-Trichloroethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Carbon tetrachloride	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Bromodichloromethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,2-Dichloropropane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
cis-1,3-Dichloropropene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Trichloroethene	160	50		µg/L	10	5/11/2009 12:20:00 PM
Dibromochloromethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,1,2-Trichloroethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Benzene	65	50		µg/L	10	5/11/2009 12:20:00 PM
trans-1,3-Dichloropropene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Bromoform	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
4-Methyl-2-pentanone	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
2-Hexanone	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
Tetrachloroethene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,1,2,2-Tetrachloroethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Toluene	69	50		µg/L	10	5/11/2009 12:20:00 PM
Chlorobenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Ethylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Styrene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
m,p-Xylene	67	50		µg/L	10	5/11/2009 12:20:00 PM
o-Xylene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Methyl tert-butyl ether	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Dichlorodifluoromethane	< 100	100		µg/L	10	5/11/2009 12:20:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentatively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: 15-May-09

CLIENT: TVGA Consultants

Client Sample ID: MW-7R

Work Order: 090506012

Collection Date: 5/4/2009

Reference: Former Roblin Steel Site / Dunkirk NY

Lab Sample ID: 090506012-001

PO#:

Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: ML
Methyl Acetate	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Cyclohexane	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
Trichlorofluoromethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Methyl Cyclohexane	99 -	50		µg/L	10	5/11/2009 12:20:00 PM
1,2-Dibromoethane	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,3-Dichlorobenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Isopropylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,2-Dichlorobenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,4-Dichlorobenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,2-Dibromo-3-chloropropane	< 100	100		µg/L	10	5/11/2009 12:20:00 PM
1,2,4-Trichlorobenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
4-Isopropyltoluene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
sec-Butylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,2,4-Trimethylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
1,3,5-Trimethylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
n-Propylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
n-Butylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
tert-Butylbenzene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM
Naphthalene	< 50	50		µg/L	10	5/11/2009 12:20:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

X - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits

T - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: 15-May-09

CLIENT: TVGA Consultants**Client Sample ID:** Trip Blank**Work Order:** 090506012**Collection Date:** 5/4/2009**Reference:** Former Roblin Steel Site / Dunkirk NY**Lab Sample ID:** 090506012-002**PO#:****Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: ML
Chloromethane	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
Bromomethane	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
Vinyl chloride	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
Chloroethane	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
Methylene chloride	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Acetone	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
Carbon disulfide	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Chloroform	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
2-Butanone	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Bromodichloromethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Trichloroethene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Dibromochloromethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Benzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Bromoform	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
4-Methyl-2-pentanone	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
2-Hexanone	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
Tetrachloroethene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Toluene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Chlorobenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Ethylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Styrene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
m,p-Xylene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
o-Xylene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Dichlorodifluoromethane	< 10	10		µg/L	1	5/11/2009 11:24:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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X - Value exceeds Maximum Contaminant Level

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R - RPD outside accepted recovery limits
T - Tentatively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: 15-May-09

CLIENT: TVGA Consultants

Client Sample ID: Trip Blank

Work Order: 090506012

Collection Date: 5/4/2009

Reference: Former Roblin Steel Site / Dunkirk NY

Lab Sample ID: 090506012-002

PO#:

Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: ML
Methyl Acetate	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Cyclohexane	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Isopropylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	5/11/2009 11:24:00 AM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
4-Isopropyltoluene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
sec-Butylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,2,4-Trimethylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
1,3,5-Trimethylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
n-Propylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
n-Butylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
tert-Butylbenzene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM
Naphthalene	< 5.0	5.0		µg/L	1	5/11/2009 11:24:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level

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E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: 15-May-09

CLIENT: TVGA Consultants

Work Order: 090506012

Project: Former Roblin Steel Site

ANALYTICAL QC SUMMARY REPORT

TestCode: EPA_8260_WATER

MS	SeqNo: 770126	TestNo: SW8260B	RunNo: 63058
	Samp ID: 090506012-001A (MW-7R)	Units: µg/L	Analysis Date: 5/11/2009

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	605.8	50	500	0	121	78.5	150	0	0		
Trichloroethene	681.3	50	500	0	136	80	144	0	0		
Benzene	628.9	50	500	0	126	70.8	136	0	0		
Toluene	607	50	500	0	121	69.3	132	0	0		
Chlorobenzene	650.9	50	500	0	130	73.5	139	0	0		
Surr: 1,2-Dichloroethane-d4	623.1	50	500	0	125	85	133	0	0		
Surr: 4-Bromofluorobenzene	498.7	50	500	0	99.7	76.7	121	0	0		
Surr: Toluene-d8	536.2	50	500	0	107	80.4	117	0	0		

MSD	SeqNo: 770127	TestNo: SW8260B	RunNo: 63058
	Samp ID: 090506012-001A (MW-7R)	Units: µg/L	Analysis Date: 5/11/2009

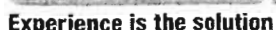
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	644	50	500	0	129	78.5	150	0	0		
Trichloroethene	698.5	50	500	0	140	80	144	0	0		
Benzene	614.1	50	500	0	123	70.8	136	0	0		
Toluene	621.9	50	500	0	124	69.3	132	0	0		
Chlorobenzene	655.8	50	500	0	131	73.5	139	0	0		
Surr: 1,2-Dichloroethane-d4	601.5	50	500	0	120	85	133	0	0		
Surr: 4-Bromofluorobenzene	505.7	50	500	0	101	76.7	121	0	0		
Surr: Toluene-d8	519.3	50	500	0	104	80.4	117	0	0		

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank
Page 1 of 1



CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

[illegible]

AES Work Order #: 090506012		CC Report To / Special Instructions/Remarks: bill to -TVG A G: 2364-Revised	
Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day			
Relinquished by: (Signature) <i>Jane C. Magellan</i>		Received by: (Signature) <i>Kathy Wagon</i> Date/Time <i>5/5/09 10:00 AM</i>	
Relinquished by: (Signature) <i>Kathy Wagon</i>		Received by: (Signature) <i>Reo X</i> Date/Time <i>5/5/09 11:00 AM</i>	
Relinquished by: (Signature) <i>[Signature]</i>		Received for Laboratory by: <i>[Signature]</i> Date/Time <i>5-6-09 10:30 AM</i>	
TEMPERATURE Ambient or Chilled <i>2°C</i>		PROPERLY PRESERVED Y N <i>Y</i>	
Notes: _____		RECEIVED WITHIN HOLDING TIMES Y N <i>Y</i>	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

Cell 50



314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.
- (g) Payments by credit card are subject to a 3% additional charge.