From: "Manzella, James" <JMANZELLA@TVGA.com>
To: "Linda Ross" <lcross@gw.dec.state.ny.us>
Date: 7/15/2009 4:42 PM
Subject: Groundwater Sampling at Roblin
Attachments: Pre-Remedial Groundwater COCs Figure.pdf; 090210_RoblinSteel_GroundwaterSamplingResults.pdf; 090515_Roblin_MW7RGroundwaterSamplingResults.pdf; Post-Remedial Groundwater COCs Figure.pdf

Linda,

I don't think I ever sent you this information, but attached please find the analytical results from the recent groundwater sampling performed at the Roblin Steel Site. Also please find the analytical results for the samples collected from the Alumax site during the same time period. Lastly attached please find figures (spider diagrams) depicting the pre and post remediation groundwater contaminants of concern detected in the monitoring well network on the Roblin site.

Should you have any questions or comments, please feel free to call or email me.

Thank you,

James C. Manzella, C.H.M.M.

I DESIGN WITH CONSCIENCE. I ACT WITH PURPOSE.

TVGA Consultants * 1000 Maple Road * Elma, NY 14059 * P.716.655.8842 Ext. 2169* F.716.655.0937 *C.716.998.8560

jmanzella@tvga.com <mailto:jmanzella@tvga.com> * www.tvga.com <http://www.tvga.com/>

N

MW05	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	1 J
BENZENE	**73**
ETHYLBENZENE	**8 J**
TOLUENE	**68**
TOTAL XYLENES	**49**
TRICHLOROETHENE	**8 J**
VINYL CHLORIDE	< 10

MW04	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	< 10
BENZENE	**6 J**
ETHYLBENZENE	2 J
TOLUENE	< 10
TOTAL XYLENES	**10**
TRICHLOROETHENE	< 10
VINYL CHLORIDE	< 10

MW06	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	1 J
BENZENE	**72**
ETHYLBENZENE	**15**
TOLUENE	**99**
TOTAL XYLENES	**61**
TRICHLOROETHENE	< 10
VINYL CHLORIDE	2 J

MW07	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	15
1,2-DICHLOROETHENE (TOTAL)	1,500 D
BENZENE	10
ETHYLBENZENE	4 J
TOLUENE	12
TOTAL XYLENES	23
TRICHLOROETHENE	56
VINYL CHLORIDE	330 D

MW01	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	< 10
BENZENE	1 J
ETHYLBENZENE	< 10
TOLUENE	< 10
TOTAL XYLENES	4 J
TRICHLOROETHENE	< 10
VINYL CHLORIDE	< 10

MW12	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	< 10
BENZENE	**11**
ETHYLBENZENE	**7 J**
TOLUENE	**27**
TOTAL XYLENES	**31**
TRICHLOROETHENE	3 J
VINYL CHLORIDE	< 10

MW11	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	< 10
BENZENE	< 10
ETHYLBENZENE	< 10
TOLUENE	< 10
TOTAL XYLENES	< 10
TRICHLOROETHENE	< 10
VINYL CHLORIDE	< 10

MW09	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	3 J
1,2-DICHLOROETHENE (TOTAL)	**380 D**
BENZENE	**35**
ETHYLBENZENE	**12**
TOLUENE	**74**
TOTAL XYLENES	**75**
TRICHLOROETHENE	**450 D**
VINYL CHLORIDE	**34**

MW08	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	1 J
BENZENE	< 10
ETHYLBENZENE	< 10
TOLUENE	< 10
TOTAL XYLENES	< 10
TRICHLOROETHENE	< 10
VINYL CHLORIDE	< 10

LEGEND

EX-MW10 — PRE-EXISTING GROUNDWATER MONITORING WELL

MW03 — BEDROCK GROUNDWATER MONITORING WELL

MW01 — INTERFACE GROUNDWATER MONITORING WELL

BOLD CONCENTRATIONS EXCEED THE WATER QUALITY STANDARDS

GROUNDWATER SAMPLING WAS PERFORMED ON OCTOBER 10, 2002

EX-MW12	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	**150 D**
BENZENE	1 J
ETHYLBENZENE	1 J
TOLUENE	< 10
TOTAL XYLENES	< 10
TRICHLOROETHENE	< 10
VINYL CHLORIDE	**200**

EX-MW11	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10,000
1,2-DICHLOROETHENE (TOTAL)	**41,000**
BENZENE	< 10,000
ETHYLBENZENE	< 10,000
TOLUENE	< 10,000
TOTAL XYLENES	< 10,000
TRICHLOROETHENE	**150,000 B**
VINYL CHLORIDE	**9,800 J**

MW03	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	< 10
BENZENE	1 J
ETHYLBENZENE	< 10
TOLUENE	< 10
TOTAL XYLENES	< 10
TRICHLOROETHENE	< 10
VINYL CHLORIDE	< 10

EX-MW09	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 50
1,2-DICHLOROETHENE (TOTAL)	**550**
BENZENE	< 50
ETHYLBENZENE	< 50
TOLUENE	< 50
TOTAL XYLENES	< 50
TRICHLOROETHENE	< 50
VINYL CHLORIDE	**320**

MW02	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	**88**
BENZENE	**18**
ETHYLBENZENE	3 J
TOLUENE	**24**
TOTAL XYLENES	**11**
TRICHLOROETHENE	**32 B**
VINYL CHLORIDE	**31**

EX-MW10	
PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 10
1,2-DICHLOROETHENE (TOTAL)	< 10
BENZENE	< 10
ETHYLBENZENE	< 10
TOLUENE	< 10
TOTAL XYLENES	< 10
TRICHLOROETHENE	< 10
VINYL CHLORIDE	< 10

GROUNDWATER ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS OF CONCERN - PRE REMEDIAL CONDITIONS

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

PROJ. NO. 2005.0308.00 | SCALE: 1" = 120' | DATE: APRIL 2009 | FIGURE NO. 5

N

MW04
NO VOC's WERE DETECTED ABOVE DETECTION LEVELS

MW07R

PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 50
cis-1,2-DICHLOROETHENE	**1,500**
BENZENE	**65**
ETHYLBENZENE	< 50
TOLUENE	**69**
m,p-XYLENES	**67**
o-XYLENES	< 50
TRICHLOROETHENE	**160**
VINYL CHLORIDE	**770**
METHYL CYCLOHEXANE	99 (NO GUIDANCE VALUE)

MW01
NOT SAMPLED

MW12
NOT SAMPLED

MW09R

PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	2.02
cis-1,2-DICHLOROETHENE	**210**
BENZENE	**11.5**
ETHYLBENZENE	**5.66**
TOLUENE	**23.3**
m,p-XYLENES	**20.5**
o-XYLENES	**11.5**
TRICHLOROETHENE	**135**
VINYL CHLORIDE	**33**
trans-1,2-DICHLOROETHENE	4.48
1,2,4-TRIMETHYLBENZENE	**12.9**

EX-MW11

PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 4
cis-1,2-DICHLOROETHENE	**354**
BENZENE	< 1.4
ETHYLBENZENE	< 4
TOLUENE	< 4
m,p-XYLENES	< 4
o-XYLENES	< 4
TRICHLOROETHENE	**168**
VINYL CHLORIDE	**27**

EX-MW12

PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 2
cis-1,2-DICHLOROETHENE	< 2
BENZENE	< 0.7
ETHYLBENZENE	< 2
TOLUENE	< 2
m,p-XYLENES	< 2
o-XYLENES	< 2
TRICHLOROETHENE	< 2
VINYL CHLORIDE	< 2

MW02

PARAMETER	CONCENTRATION ug/L
1,1-DICHLOROETHENE	< 2
cis-1,2-DICHLOROETHENE	< 2
BENZENE	**7.92**
ETHYLBENZENE	**9.81**
TOLUENE	**7.19**
m,p-XYLENES	**7.62**
o-XYLENES	2.61
TRICHLOROETHENE	< 2
VINYL CHLORIDE	< 2
2-BUTANONE	33.5
1,2,4-TRIMETHYLBENZENE	**10**
n-PROPYLBENZENE	2.57

LEGEND

EX-MW10 — EXISTING GROUNDWATER MONITORING WELL

MW03 — BEDROCK GROUNDWATER MONITORING WELL

MW01 — INTERFACE GROUNDWATER MONITORING WELL

BOLD CONCENTRATIONS EXCEED THE WATER QUALITY STANDARDS LISTED IN TOGS 1.1.1(JUNE 1998)
GROUNDWATER SAMPLING WAS PERFORMED FEBRUARY AND MAY, 2009

POST REMEDIAL BASELINE GROUNDWATER ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS OF CONCERN

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

PROJ. NO. 2005.0308.00 | SCALE: 1" = 120' | DATE: APRIL 2009 | FIGURE NO. 11

PARADIGM
ENVIRONMENTAL SERVICES, INC.

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.

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

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

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

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

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ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

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ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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-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

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

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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

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ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

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Volatile Analysis Report for Non-potable Water

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

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

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

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

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

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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:	2362
Client Job Number:	2005.0308.00		
Field Location:	EX-MW-11	**Date Sampled:**	02/10/2009
Field ID Number:	N/A	**Date Received:**	02/13/2009
Sample Type:	Water	**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

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

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: V63468.D

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

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

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: V63469.D

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

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC. 179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

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

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: TVGA	COMPANY:	LAB PROJECT #: 0583 09-0853 ee EAH 2/13
ADDRESS: 1000 Maple Rd	ADDRESS: SAME	CLIENT PROJECT #: 2005.0308.00
CITY: Elma STATE: NY ZIP: 14059	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: 716-655-8842 FAX:	PHONE: FAX:	STD OTHER
PROJECT NAME/SITE NAME: Roblin Steel	ATTN: James Manzella	ATTN: Accounting / J. Kaminski ☐1 ☐2 ☐3 ☒5 ☐
	COMMENTS:	QUOTE #: JH091108

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TCL+TAGS	VOCs per Method 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	2/10/09	1620		X	MW-2	AQ	2		2		23588
2	2/11/09	1240		X	MW-4	AQ	2		2		23599
3	2/11/09	1130		X	MW-9	AQ	2		2		23600
4	2/11/09	1130		X	DUP	AQ	2		2		23601
5	2/10/09	1615		X	EX-MW-11	AQ	2		2		23602
6	2/11/09	~~1405~~ 1605		X	EX-MW-12	AQ	2		2		23603
7	2/6/09			X	trip blank	AQ	1		1		23604
8	per sample label EAH 2/13										
9											
10											

****LAB USE ONLY BELOW THIS LINE****

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

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y ☒	N ☐
Preservation: Comments:	Y ☒	N ☐
Holding Time: Comments:	Y ☒	N ☐
Temperature: Comments: 5°C iced	Y ☒	N ☐

James C. Manzella	2-11-09 / 16:30	Total Cost:
Sampled By	Date/Time	
James C. Manzella	2-12-09 / 850	
Relinquished By	Date/Time	
[signature]	2-12-09	
Received By	Date/Time	P.I.F.
Elizabeth A. Honch	2/13/09 1330	
Received @ Lab By	Date/Time	

Adirondack Environmental Services, Inc.
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

TEL: (716) 655-8842
FAX: (716) 655-0937

Work Order No: 090506012

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	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quanititation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	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.

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 quanititation 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 - Tentitively 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 quanititation 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 - 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 quanititation 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 - 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**
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

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X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

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:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name:	Address:		
TVGA Consultants	1000 Maple Rd. Elma NY 14059		
Send Report To:	Project Name (Location)	Samplers: (Names)	
J. Manzella	Former Roblin Steel Site, Dunkirk NY	James C. Manzella	
Client Phone No:	Client Fax No:	PO Number:	Samplers: (Signature)
655-8842	655-0737	[illegible]	James C. Manzella

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	MW-7R	5-4-09	325	(P)	H_2O		X	2x 40mL	STARS + TCL VOCs
002	Trip Blank	1	/		H_2O	—	—	1x 40mL	STARS + TCL VOCs

James C. Manzella

James C. Manzella

AES Work Order #:	CC Report To / Special Instructions/Remarks:
090506012	bill to - TVGA Q: 2364 - Revised

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

Relinquished by: (Signature) James C. Manzella	Received by: (Signature) Kathy Wagner	Date/Time 5/5/09 10:00 am
Relinquished by: (Signature) Kathy Wagner	Received by: (Signature) FedEx	Date/Time 5/5/09 11:00 am
Relinquished by: (Signature)	Received for Laboratory by: [illegible]	Date/Time 5-6-09 10:30 am

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 0.2°C	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.

Ca1659

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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.