Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Voluntary Cleanup Program

Progress Report

August 2010

Former Churchville Ford Site (#V00658-8)
111 South Main Street
Village of Churchville
Monroe County, New York

This progress report covers the month of August 2010.

Activities Relative to Site for Period

Previous in-situ chemox injection activities and SVI sampling activities are summarized in previous monthly progress reports. No Site activities were conducted from April through July 2010.

On August 17, 2010, the first round of post-injection semi-annual groundwater samples were collected in accordance with the procedures outlined in the approved RAWP. Seven Site monitoring wells were sampled including: MW-JCL-01, MW-JCL-02, MW-JCL-03, MW-1, MW-3, MW-6 and MW-13. A minimum of 3 well volumes were purged from each well prior to sample collection by disposable bailer. QC samples (duplicate and MS/MSD) were also collected as per Table 1 of the QAPP, an attachment to the RAWP. Samples were relinquished to Paradigm Environmental Services laboratory for analysis of TCL VOCs by EPA Method 8260, and the metals iron and manganese.

The analytical data from the March 2010 SVI sampling event was sent out for third party validation/DUSR services at EDV Inc. in August.

Activities Anticipated for Next Period

No on Site activities are planned for next month. A letter interpreting the results of the SVI sampling and findings of the validation/DUSR will be issued in the month of September.

Approved Site Activity Modifications

There were no modifications made to Site activities during this period.

Sampling/Testing Results

Groundwater sample analytical results are included as an attachment to this report. Sample results were compared to the NYSDEC Part 703 standards for class GA water. The constituents detected at concentrations exceeding Part 703 standards are summarized below:

Well	**Parameter(s) exceeding applicable regulatory limit**
MW-JCL-01(including Dup)	no VOCs/no TICs; exceeds for Fe&Mn
MW-JCL-02(in source area)	1,2-DCE @ 29 ppb; TCE @ 23.1 ppb/ no TICs; exceeds for Fe&Mn
MW-JCL-03	no VOCs/no TICs; exceeds for Fe&Mn
MW-1(in source area)	2-Butanone(MEK) @ 9.14 ppb/ no TICs; exceeds for Fe&Mn
MW-3(in source area)	2-Butanone(MEK) @ 7.53 ppb; dichlorodifluoromethane (Freon-R12) @ 98.2 ppb; PCE @ 16.2 ppb/ no TICs; exceeds for Fe&Mn
MW-6	2-Butanone(MEK) @ 5.35 ppb (estimated value); exceeds for Fe&Mn
MW-13	no VOCs/no TICs; exceeds for Fe&Mn

It is noted that the highest concentration of iron was detected in well MW-JCL-03, located up-gradient of the contaminant source and considered representative of background concentrations for the Site. The highest concentration of manganese was detected in well MW-1 in the source area, resulting from the permanganate injection process. It is also noted that the chemical dichlorodifluoromethane (Freon, R12) has not previously been detected by Lu Engineers in the source area.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATER

Client: Lu Engineers

Client Job Site: Churchville Ford

Client Job No.: 5701-11

Lab Project No.: 10-3367A

Sample Type: Water
Method: EPA 6010

Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26-30/2010

Lab Sample No.	Field ID No.	Field Location	Iron Results (mg/L)	Manganese Results (mg/L)
11063	N/A	CF-MW-JCL-02	0.145	0.622
11064	N/A	CF-MW-01	<0.500	117
11065	N/A	CF-MW-JCL-03	8.61	0.187
11066	N/A	CF-MW-6	3.76	78.0
11067	N/A	CF-MW-JCL-01	0.639	0.029
11068	N/A	CF-MW-JCL-01 DUP	0.683	0.027
11069	N/A	CF-MW-13	1.79	0.501
11070	N/A	CF-MW-3	0.468	24.6

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

File ID:103367A.xls

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: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-JCL-02
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11063

Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	ND< 10.0
Benzene	ND< 0.700
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	ND< 10.0
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	ND< 2.00
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	ND< 5.00
1,1-Dichloroethane	ND< 2.00
1,2-Dichloroethane	ND< 2.00
1,1-Dichloroethene	ND< 2.00
cis-1,2-Dichloroethene	29.0
trans-1,2-Dichloroethene	ND< 2.00

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	2.68
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
1,1,1-Trichloroethane	ND< 2.00
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	23.1
Trichlorofluoromethane	ND< 2.00
Vinyl chloride	ND< 2.00
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77860.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11063
Client Job Number:	5701-11		
Field Location:	CF-MW-JCL-02	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77860.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: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-01
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11064

Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	104
Benzene	0.786
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	J 9.14
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	ND< 2.00
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	J 4.50
1,1-Dichloroethane	J 1.17
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	J 1.71
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77861.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11064
Client Job Number:	5701-11		
Field Location:	CF-MW-01	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77861.D

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

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
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Volatile Analysis Report for Non-potable Water

Client: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-JCL-03
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11065
Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	ND< 10.0
Benzene	ND< 0.700
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	ND< 10.0
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	ND< 2.00
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	ND< 5.00
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77862.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
Matrix spike outliers indicate probable matrix interference

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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11065
Client Job Number:	5701-11		
Field Location:	CF-MW-JCL-03	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77862.D

Comments: ND denotes Non Detect
ug / L = microgram per Liter
Matrix spike outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
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Volatile Analysis Report for Non-potable Water

Client: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-6
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11066

Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	B 62.2
Benzene	J 0.383
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	J 5.35
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	J 1.46
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	J 3.80
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77865.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11066
Client Job Number:	5701-11		
Field Location:	CF-MW-6	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77865.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: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-JCL-01
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11067
Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	ND< 10.0
Benzene	ND< 0.700
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	ND< 10.0
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	ND< 2.00
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	ND< 5.00
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77866.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11067
Client Job Number:	5701-11		
Field Location:	CF-MW-JCL-01	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77866.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: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-JCL-01 DUP
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11068
Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	ND< 10.0
Benzene	ND< 0.700
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	ND< 10.0
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	ND< 2.00
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	ND< 5.00
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77867.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11068
Client Job Number:	5701-11		
Field Location:	CF-MW-JCL-01 DUP	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77867.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: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-13
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11069
Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	J B 6.94
Benzene	ND< 0.700
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	ND< 10.0
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	ND< 2.00
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	ND< 5.00
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77868.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11069
Client Job Number:	5701-11		
Field Location:	CF-MW-13	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77868.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: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: CF-MW-3
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11070

Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	B 52.9
Benzene	0.742
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	J 7.53
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	J 1.17
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	98.2
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	16.2
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77869.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11070
Client Job Number:	5701-11		
Field Location:	CF-MW-3	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77869.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: Lu Engineers

Client Job Site: Churchville Ford
Client Job Number: 5701-11
Field Location: Trip Blank T212
Field ID Number: N/A
Sample Type: Water

Lab Project Number: 10-3367A
Lab Sample Number: 11071

Date Sampled: 08/17/2010
Date Received: 08/18/2010
Date Analyzed: 08/26/2010

Compound	Results in ug / L
Acetone	B 23.7
Benzene	ND< 0.700
Bromochloromethane	ND< 5.00
Bromodichloromethane	ND< 2.00
Bromoform	ND< 5.00
Bromomethane	ND< 2.00
2-Butanone	ND< 10.0
Carbon disulfide	ND< 5.00
Carbon Tetrachloride	ND< 2.00
Chlorobenzene	ND< 2.00
Chloroethane	ND< 2.00
Chloroform	ND< 2.00
Chloromethane	ND< 2.00
Cyclohexane	ND< 10.0
Dibromochloromethane	ND< 2.00
1,2-Dibromo-3-Chloropropane	ND< 10.0
1,2-Dibromoethane	ND< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00
Dichlorodifluoromethane	ND< 5.00
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

Compound	Results in ug / L
1,2-Dichloropropane	ND< 2.00
cis-1,3-Dichloropropene	ND< 2.00
trans-1,3-Dichloropropene	ND< 2.00
Ethylbenzene	ND< 2.00
2-Hexanone	ND< 5.00
Isopropylbenzene	ND< 5.00
Methyl acetate	ND< 2.00
Methyl tert-butyl Ether	ND< 2.00
Methylcyclohexane	ND< 2.00
Methylene chloride	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00
Styrene	ND< 5.00
1,1,2,2-Tetrachloroethane	ND< 2.00
Tetrachloroethene	ND< 2.00
Toluene	ND< 2.00
Freon 113	ND< 2.00
1,2,3-Trichlorobenzene	ND< 5.00
1,2,4-Trichlorobenzene	ND< 5.00
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
m,p-Xylene	ND< 2.00
o-Xylene	ND< 2.00

ELAP Number 10958 Method: EPA 8260B Data File: V77870.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: Lu Engineers

Client Job Site:	Churchville Ford	**Lab Project Number:**	10-3367A
		Lab Sample Number:	11071
Client Job Number:	5701-11		
Field Location:	Trip Blank T212	**Date Sampled:**	08/17/2010
Field ID Number:	N/A	**Date Received:**	08/18/2010
Sample Type:	Water	**Date Analyzed:**	08/26/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / L	Percent Fit
None Found	N/A	N/A	ND< 5.00	N/A

ELAP Number 10958 Method: EPA 8260B Data File: V77870.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 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:
COMPANY: Lu Engineers	COMPANY: Same
ADDRESS: ~~2230 Archer Rd~~ 175	ADDRESS: Sully's Trail, Suite 202
CITY: Pittsford STATE: NY ZIP: 14534	CITY: STATE: ZIP:
PHONE: 385-7417 FAX:	PHONE: FAX:
ATTN: Eric Detweiler	ATTN:

LAB PROJECT #: 6 10.3387A ee EAH 8/18 | CLIENT PROJECT #: 5701-11

TURNAROUND TIME: (WORKING DAYS) 10 day per quote. EAH 8/18 — STD ☒ 5 | OTHER ☐ 1 ☐ 2 ☐ 3

PROJECT NAME/SITE NAME: Churchville Ford

COMMENTS: ★ please provide Excel EDD ★ P.O. 424498

Quotation # MS020310A

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8260 TCL VOCs	Fe	Mn	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/17/10	15:20		X	CF-MW-JCL-02	W	3	✓	✓	✓	Per ASP Request Form and E. Detweiler in email 8/18, do 8260 TCL ASP 2008 plus TICS. EAH 8/18 — Cat. B deliverables	11063
2		15:10		X	CF-MW-01	W	~~2~~ 3	✓	✓	✓		11064
3		13:40		X	CF-MW-JCL-03	W	3	✓	✓	✓		11065
4		↓		X	CF-MW-JCL-03MS	W	3	✓	✓	✓		~~11066~~
5		↓		X	CF-MW-JCL-03MSD	W	3	✓	✓	✓		~~11067~~
6		13:25		X	CF-MW-6	W	3	✓	✓	✓		11066
7		11:08		X	CF-MW-JCL-01	W	3	✓	✓	✓		11067
8		11:08		X	CF-MW-JCL-01 Dup	W	3	✓	✓	✓		11068
9		11:10		X	CF-MW-13	W	3	✓	✓	✓		11069
10	✓	16:50		X	CF-MW-3	W	3	✓	✓	✓	Cooler hand delivered to lab by client so custody seals N/A. EAH 8/18 ee EAH 8/18	11070

LAB USE ONLY BELOW THIS LINE

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

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Preservation:	Y ☒	N ☐
Holding Time:	Y ☒	N ☐
Temperature:	Y ☒	N ☐

Comments: 10°C iced from temp blank @ 1730 8/17/10 EAH — pres. begun in field

Sampled By	8/17/10 4:55	Date/Time
Relinquished By: Laura Noerbauer	8/17/10 4:55	Date/Time
Received By	8/17/10 1655	Date/Time
Received @ Lab By: Elizabeth A. Honch	8/17/10 1740	Date/Time
Elizabeth A. Honch	8/18/10 1145	

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: Lu Engineers	COMPANY: Same	LAB PROJECT #: 10.3387A (6 or EAH 8/18) / CLIENT PROJECT #: 5701-11
ADDRESS:	ADDRESS:	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS)
PHONE: FAX:	PHONE: FAX:	STD / OTHER
PROJECT NAME/SITE NAME: Churchville Ford	ATTN: Eric Detweiler	ATTN: ☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ 10
	COMMENTS: ASP Cat B, Excel EDD PO# 424498	Quotation # MS020310A

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 TCL	ASP 2008 plus TICS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	8/17/10				Trip Blank T212	W	1	X	X	Add trip blank to COC and analyze for VOCs ASP 2008 plus TICS, per E. Detweiler 8/18 in email. EAH 8/18	11071
2											
3											
4											
5											
6											
7											
8											
9											
10											

LAB USE ONLY BELOW THIS LINE

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

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments: 10°C iced from temp blank @ 1730 8/17/10 - pres begun in field EAH		

Client
Sampled By — Date/Time

Relinquished By — Date/Time

Received By — Date/Time
Elizabeth A. Honch 8/17/10 1740

Received @ Lab By — Date/Time
Elizabeth A. Honch 8/18/10 1145

Total Cost:

P.I.F.