FINAL

Soil Vapor Extraction Cells Decommissioning Work Plan for the Wyoming County Fire Training Area Wethersfield, New York

Prepared For:

Wyoming County
143 North Main Street
Warsaw, New York 14569

Prepared By:

URS Corporation
77 Goodell Street
Buffalo, New York 14203

September 2007

G3800H

FINAL

SOIL VAPOR EXTRACTION CELL DECOMMISSIONING WORK PLAN

FOR THE

WYOMING COUNTY FIRE TRAINING CENTER

WETHERSFIELD, NEW YORK

VOLUNTARY CLEANUP (SITE V-00604)

PREPARED FOR:

WYOMING COUNTY

143 NORTH MAIN STREET

WARSAW, NEW YORK 14569

PREPARED BY:

URS CORPORATION

77 GOODELL STREET

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SEPTEMBER 2007

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

APPENDICES

1.0 INTRODUCTION

1.1 General

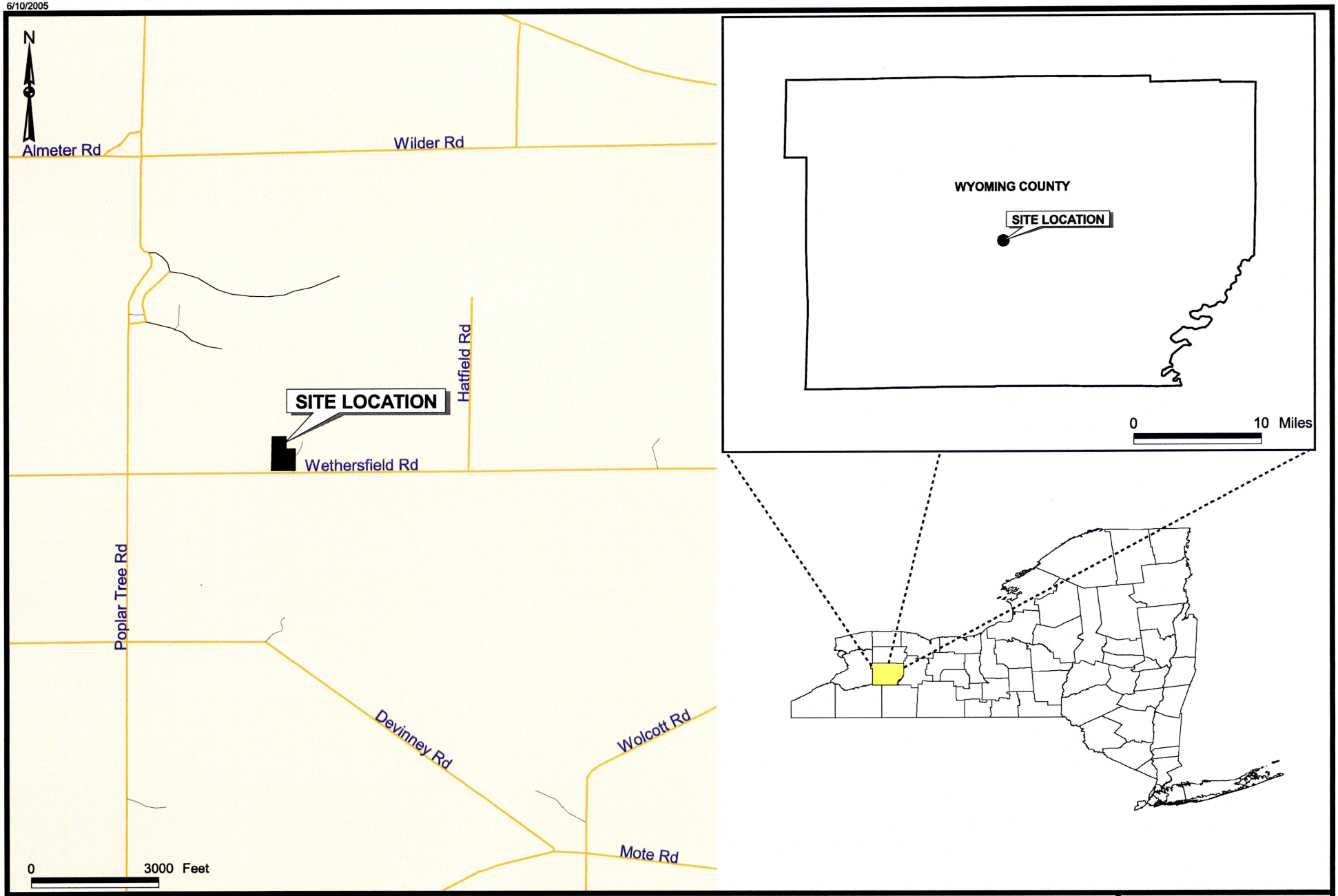
Wyoming County (County) previously operated a Fire Training Center (WCFTC) located at 3651 Wethersfield Road in the Town of Wethersfield, New York (Figure 1-1).

In 2002, the County executed a Voluntary Cleanup Agreement (VCA) with the state of New York to address the site. Subsequent to signing of the VCA, URS developed an, "*Interim Remedial Measure Work Plan for Contaminated Soil Removal at the Wyoming County Fire Training Center*" and submitted it to the NYSDEC in May 2003. The Work Plan subsequently was approved by the NYSDEC on July 29, 2003. As outlined in the Work Plan, the primary objectives of the IRM at the site were as follows:

- To excavate contaminated soils to reduce and/or eliminate the potential for contaminants in the soils to affect groundwater.
- To treat the soils onsite such that contaminant levels are below TAGM 4046 criteria for subsequent reuse onsite, or, to levels for off-site non-hazardous disposal.

URS conducted the IRM consisting of the removal of contaminated soil in the four AOCs in September – November, 2003. The VOC-contaminated soils from the four AOCs were placed in three Soil Vapor Extraction (SVE) cells constructed in the northwestern corner of the site, north of the Drum Storage Area (Figure 1-2). The three SVE Cells were operated from January 2004 up until the present. Samples collected in September 2006 from the SVE cells indicate that the VOC concentrations in soil in all three cells are below the TAGM 4046 criteria. Consequently, the goals of the IRM have been met and the SVE cells can be decommissioned.

N:\11172991.00000\DB\Gis\site.apr SITE LOCATION
6/10/2005



URS

WYOMING COUNTY FIRE TRAINING CENTER
SITE LOCATION MAP

FIGURE 1-1

N:\11172991.00000\DB\Gis\wyoming.apr TOPOGRAHIC CONTOUR MAP 7/26/2007 Lumb, M

N

WYOMING COUNTY FIRE TRAINING CENTER

SHOOTING RANGE BUILDING

MW-05

REAR POND

MW-23

MW-06

10' WIDE STONE ROAD

MW-22

MW-02

MW-08

SVE CELL

SVE CELL

SVE CELL

NORTH FIRE PIT

GARAGE

MW-03

DRUM STORAGE AREA

AIRPLANE FUSELAGE

SOUTH FIRE PIT

MW-07

MW-21

MW-20

CINDER BLOCK TRAINING CENTER

TRAILER

MW-04

AST

MW-19

AGRO-1

MAIN BUILDING

DRIVEWAY

10' WIDE STONE DRIVE

FRONT POND

MW-18

SHED

FORMER WEBER HOUSE

MW-10

SCHELL HOUSE

MW-16

MW-15

MW-14

MW-17

STONE DRIVE

WETHERSFIELD ROAD

MW-11

MW-12

MW-13

SPRING

LIMITS OF COUNTY PROPERTY

2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985 1980

Legend

- Monitoring Well
- 2010 Topographic Elevation Contour
- Former Areas of Concern (AOCs)

100 0 100 Feet

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WYOMING COUNTY FIRE TRAINING CENTER
SITE PLAN

FIGURE 1-2

1.2 Purpose

Now that the VOC-contaminated soils have been remediated the SVE Cells are no longer necessary. Consequently, URS has prepared this Soil Vapor Extraction (SVE) Cell Decommissioning Work Plan (Work Plan) to provide guidelines for decommissioning the three SVE cells and removing a previously identified related corrugated plastic pipe.

URS will serve as the lead engineer (Engineer) for this project. Nature's Way Environmental Consultants and Contractors (NWECC), of Crittenden, New York, will serve as the construction contractor (Contractor) responsible for conducting the majority of the SVE system decommissioning.

2.0 SVE CELLS

2.1 Construction and Operation

Ex-Situ remediation of VOC-impacted soils utilizing SVE technology as the contaminant removal/reduction mechanism involves the use of vacuum blower(s) to produce a negative pressure gradient within the pore spaces surrounding the soil particles, which induces airflow through the waste matrix. The induced airflow causes movement (partitioning) of volatile organic contaminants, in vapor form, into the air stream. The VOC-laden air stream is transported to a treatment device (i.e., Granular Activated Carbon filter) for contaminant removal and concentration for recycling, and/or destruction. Airflow is discharged after treatment.

As indicated, three SVE cells were constructed on site. The cells measure approximately 80.0' L x 20.0' W x 7.0' H. A detailed description of the methods and procedures used to construct the cells is provided in the, "Interim Remedial Measures and Supplemental Hydrogeologic Investigation Report of the Wyoming County Fire training Area" prepared by URS and dated November 2004 (Revised January 2005).

Work was initiated in September 2003 and was essentially completed by late November. Approximately 975 cubic yards (cy) of VOC-impacted soil was excavated from the four AOCs and placed in the three SVE Cells for treatment.

Following construction and filling of the treatment cells, the SVE system was placed into operation on January 13, 2004. The SVE cells have been operated intermittently up until the present. In general, the blowers are shut down during the winter months and re-started in the late spring and continued throughout the warmer summer months.

2.2 Monitoring Results

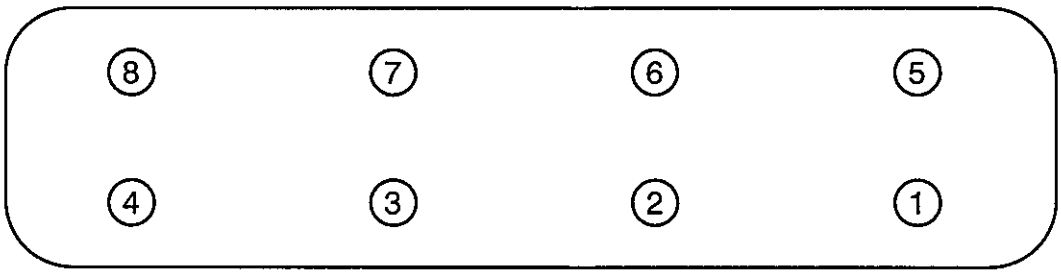
Air effluent sampling and analysis was performed consistent with the NYSDEC-approved work plan; at weekly intervals for the first month. Thereafter air effluent analysis was performed periodically to determine whether or not emission controls were still required to meet regulatory limitations. In addition, laboratory analysis of SVE system influent air (before carbon) air was conducted to evaluate contaminant removal rates and quantities, as well as to gauge remedial progress.

Organic Vapor Analyzer (OVA) readings were obtained periodically from the air lines between the cells and the first carbon canister, between the first and second carbon canisters, and again on the discharge line after the second carbon canister (Appendix A). Consistent with the IRM Work Plan, soil samples also were collected and analyzed when the influent air OVA readings indicated that remediation of the soils under treatment might be complete (i.e. OVA readings less than 5.0 ppm above background).

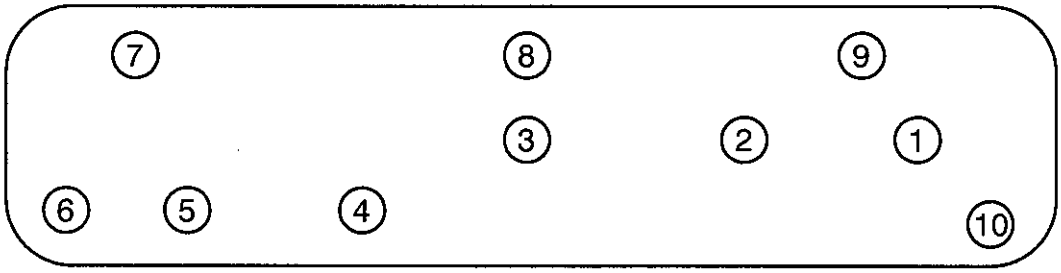
The initial round of soil sampling was performed in January 2005. A geoprobe rig was utilized to install 8 holes in the north cell, 10 holes in the middle cell and 4 holes in the south cell at the approximate locations shown on Figure 2-1. At each location, a flap was cut in the geomembrane to expose the treated soil. The sampling probe was pushed into the soil to a maximum depth of 2.0 feet. The sampler was opened and each 6-inch interval of soil was screened with a PID to determine the relative concentration of VOCs present, if any. Each screened interval was identified as A, B, C and D, based on increasing depth. A summary of the PID readings is contained in Appendix B.

Soil samples were collected from those intervals that exhibited elevated PID readings, (i.e. > 10 ppm) and submitted for analysis of VOCs. If no samples exhibited elevated readings, then those intervals with the highest detectable VOC concentrations were submitted to the lab for analysis. A total of 10 samples were submitted for analysis.

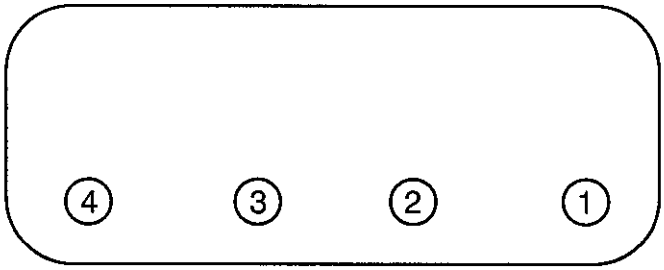
NORTH CELL



MIDDLE CELL



SOUTH CELL



NOT TO SCALE
NOTE: LOCATIONS ARE APPROXIMATE ONLY

URS	WYOMING COUNTY FIRE TRAINING CENTER SVE CELLS SOIL SAMPLING LOCATION PLAN (JANUARY 4 & 5, 2006)	FIGURE 2-1

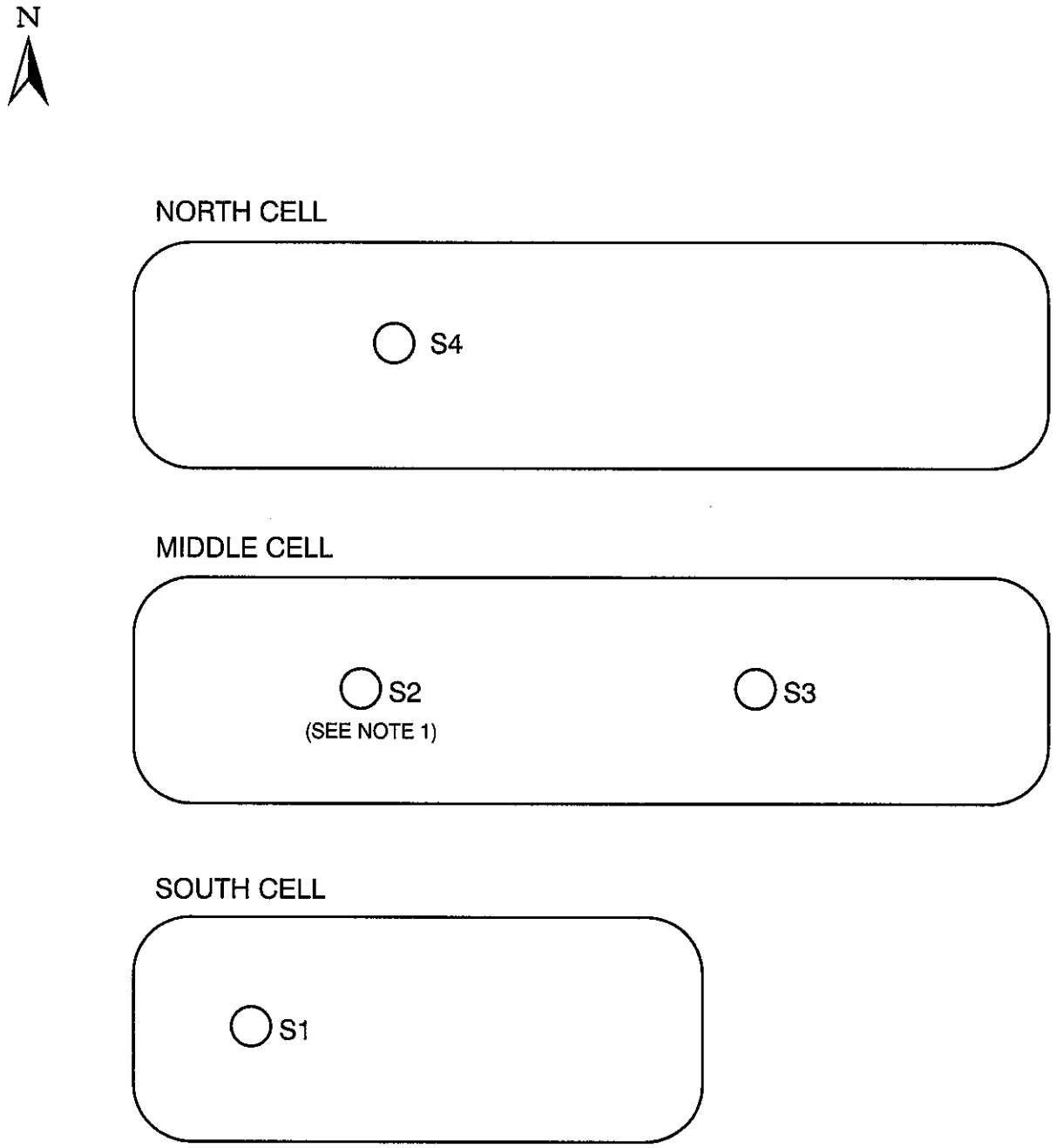
AG19794-11172991-072007-GCM

The analytical results are contained in Appendix C and summarized in Table 2-1. The VOC concentrations subsequently were compared with the recommended soil cleanup objectives listed in the NYSDEC Technical and Administrative Guidance Memorandum HWR-94-4046 (TAGM 4046). As indicated on the Table, only samples 7D and 8D from the North cell and 4C from the South cell exhibited concentrations for one or more VOCs that exceeded the TAGM 4046 criteria, hence, operation of the SVE Cells continued.

A second round of soil samples was collected from the three cells on September 14, 2006. A hand-held power auger drill was used to advance holes at the approximate locations shown on Figure 2-2. A bucket auger was used to collect soil samples at selected depths ranging from about 2 – 8 feet. Inasmuch as the previous sampling had shown that only the deeper soils in the pile still contained elevated concentrations of VOCs, the intent was to collect samples from near the base of the piles. One of the sampling locations was positioned in the North Cell in the vicinity of former samples 7D and 8D and one was positioned in the South cell near former sample 4C (where VOC concentrations exceeded TAGM 4046 criteria). The third sampling location was located in the eastern portion of the Middle Cell. The soil samples were screened with a PID to determine the relative VOC concentration present, if any. Based on the PID results, one sample from each cell was selected and submitted to the lab for VOC analysis.

The analytical results are contained in Appendix C and summarized in Table 2-1. As indicated, all of the detected VOC concentrations are below the TAGM 4046 criteria. This indicates that the SVE treatment has been successfully completed and that the soils are essentially "clean" and suitable for unrestricted use on, or off, the site.

As an added measure to reduce any potential residual VOC concentrations in the soils, a solution of 7% hydrogen peroxide and potassium persulfate (Klozur) was injected into the three SVE cells on September 21-22, 2006, during implementation of the in-situ chemical oxidation portion of the Remedial Action Work Plan at the WCFTC. This mixture is specifically designed to chemically oxidize any residual organic compounds in the soils.



NOT TO SCALE

NOTES: 1) SAMPLE NOT COLLECTED AS SOIL WAS MOSTLY GRAVEL
2) SAMPLING LOCATIONS ARE APPROXIMATE ONLY

URS

WYOMING COUNTY FIRE TRAINING CENTER
SVE CELLS
SOIL SAMPLING LOCATION PLAN (SEPTEMBER 14, 2006)

FIGURE 2-2

AG19795-11172991-072007-GCM

TABLE 2-1

SUMMARY OF SOIL SAMPLE ANALYTICAL DATA

SOUTH SVE CELL						
	01/05/05					09/14/06
TAGM 4046 (µg/kg)	**Compound**	**2C (µg/kg)**	**4C (µg/kg)**			**S1 2.5'-3.5' (µg/kg)**
800	1,1,1-Trichloroethane		7,340			
200	1,2-Dichloroethane		2980			
300	cis-1,2-Dichloroethene	2.65 J	2,980			13.5
200	Acetone	3.37 JB				
5,500	Ethylbenzene		10,500			
1,200	m,p-Xylene		46,100			
1,200	o-Xylene		16,700			
1,400	Tetrachloroethene	138	492,000 E			711
1,500	Toluene		9,260			
700	Trichloroethene					35.6
	Xylenes, Total		62,800			
NORTH SVE CELL						
	01/05/05					09/14/06
TAGM 4046 (µg/kg)	**Compound**	**4D (µg/kg)**	**5A (µg/kg)**	**7D (µg/kg)**	**8D (µg/kg)**	**S4 5'-6' (µg/kg)**
800	1,1,1-Trichloroethane			150,000	31,800	
300	cis-1,2-Dichloroethene	98.2				
200	Acetone		3.84			
5,500	Ethylbenzene			3,680 J		
1,200	m,p-Xylene			11,500		
1,200	o-Xylene			6,070		
1,400	Tetrachloroethene	638 E	207	1,410,000 E	363,000	14.2
1,500	Toluene			1,640,000 E	479,000	
700	Trichloroethene	14.7				
	Xylenes, Total			16,500		
MIDDLE SVE CELL						
	01/05/05					09/14/06
TAGM 4046 (µg/kg)	**Compound**	**1C (µg/kg)**	**3B (µg/kg)**	**6D (µg/kg)**	**7B (µg/kg)**	**S3 7'-8' (µg/kg)**
800	1,1,1-Trichloroethane			2.00 J		
300	cis-1,2-Dichloroethene				2.52 J	
200	Acetone		4.56 JB	5.65 J		
1,400	Tetrachloroethene	45.1	1.56 J	279 E	136	32.6
700	Trichloroethene				0.836 J	

- A total of 244 gallons of the hydrogen peroxide/potassium persulfate mixture was injected into the four-inch under drain and the top vent pipe of the North SVE Cell.

- A total of 368 gallons of the hydrogen peroxide/potassium persulfate mixture was injected into the four-inch under drain and the top vent pipe of the South SVE Cell.

- A total of 244 gallons of the hydrogen peroxide/potassium persulfate mixture was injected into the four-inch under drain and the top vent pipe of the Middle SVE Cell.

Following injection, the hydrogen peroxide/potassium persulfate solution was re-circulated through each SVE cell by pumping the liquid out of the underdrain pipe and re-injecting it into the cell through the uppermost vent pipe. This process was continued until no further off-gassing (i.e. bubbling) of the hydrogen peroxide/persulfate mixture was noted.

Based on the discussions above, it is recommended that the SVE Cells be decommissioned and that the treated soils be spread onsite in the vicinity of the former fire pits, and seeded to minimize erosion.

3.0 SVE CELL DECOMMISSIONING PROCEDURES

3.1 General

The three SVE cells will be decommissioned by removing the geomembrane cover on each of the SVE cells, relocating the treated soil to the open area in the vicinity of the former North and South Fire Pits, and spreading the treated soil on the ground. The proposed treated soil disposal area is shown on Figure 3-1. During removal of the treated soil from the SVE Cells, the soil will be screened with a PID to determine if any VOCs are still present.

3.2 Removal of Geomembrane Cover

The SVE piping system that runs to each of the SVE cells will be disconnected and placed in a roll-off container staged by the SVE cells. The geomembrane cover on each SVE cell will then be cut into manageable pieces, removed, and placed in the roll-off container. The SVE piping and the geomembrane cover will be disposed of at a landfill as non-hazardous solid waste.

3.3 Handling of Treated Soil

Following the removal of the geomembrane covers and the SVE piping system, an excavator will be used to remove the treated soil from each cell. The treated soils will be removed from each SVE Cell sequentially. As the treated soil is removed from the SVE cells, the soil will be screened with a PID for volatile organic vapors. Soil with PID readings ≤10 ppm above background will be placed in dump trucks and transported to the open area in the vicinity of the former North and South Fire Pits where it will be dumped and spread by dozer an average thickness of 12-18 inches. The soils will be graded to maintain positive site drainage. Once all of the acceptable treated soil has been spread, grass seed will be broadcast over the area.

N:\11172991.00000\DB\Gis\ArcMap\PROPOSED TREATED SOIL DISPOSAL.mxd 7/26/2007 11:25:26 AM Lumb, M

N

WYOMING COUNTY FIRE TRAINING CENTER

SHOOTING RANGE BUILDING

MW-05

REAR POND

MW-23

MW-06

MW-22

MW-02

SVE CELL

SVE CELL

SVE CELL

MW-03

TREATED SOIL DISPOSAL

GARAGE

10' WIDE STONE ROAD

MW-08

MW-07

MW-21

MW-20

TANK

CINDER BLOCK TRAINING CENTER

TRAILER

MW-04

MW-19

AGRO-1

10' WIDE STONE DRIVE

MAIN BUILDING

DRIVEWAY

FRONT POND

MW-18

SCHELL HOUSE

FORMER WEBER HOUSE

MW-10

SHED

MW-16

MW-15

MW-14

MW-17

STONE DRIVE

WETHERSFIELD ROAD

MW-11

MW-12

MW-13

LIMITS OF COUNTY PROPERTY

2040 2035 2030 2025 2020 2015 2010 2005 2000 1995 1990 1985 1980

Legend

- Monitoring Well
- 2028 Topographic Elevation Contour

100 0 100 Feet

URS

WYOMING COUNTY FIRE TRAINING CENTER
PROPOSED TREATED SOIL DISPOSAL AREA

FIGURE 3-1

Soil with PID readings >10 ppm above background will be segregated and placed on polyethylene sheeting. The amount of stockpiled soils with PID readings >10 ppm will be assessed continuously. If it appears that the volume of soils is fairly large, then the 3rd SVE Cell won't be completely dismantled. The treated soils will be removed, but the lower gravel layer and piping will be left intact. This will allow the soils with elevated PID readings to be placed back in the cell for additional treatment, as warranted

Alternatively, if the volume of soil with PID readings >10 ppm is small, then the SVE cells will be completely dismantled and the contaminated soil disposed offsite in a permitted facility. If offsite disposal is required, selected samples will be collected from the temporary stockpile and submitted for analysis of required landfill disposal parameters. The number of samples will be determined in the field based on the volume of stockpiled soil and discussions with the onsite NYSDEC representative.

SVE piping encountered during the removal of treated soil from the SVE cells will be recovered and placed in the roll-off container. The SVE piping will be disposed of at a landfill as non-hazardous solid waste. The gravel bedding in the lower portion of each cell also will be screened and removed and placed in the same areas as the treated soils.

3.4 Removal of Geomembrane Liner

Following removal of the treated soil and gravel bedding, the underlying geomembrane liner will be cut into manageable size pieces, removed, and placed in the roll-off container. The geomembrane liner will be disposed of at a landfill as non-hazardous solid waste. The existing soil berms that were constructed around each SVE cell will be pushed into the SVE Cell footprint and re-graded to provide positive drainage. If additional materials are required to restore the area to original conditions, the treated soils will be utilized. The area will be re-seeded to minimize erosion.

The geomembrane material, process piping and/or contaminated soils will be transported by licensed waste haulers under appropriate Non-hazardous Waste Manifests or Bills of Lading.

4.0 CONTRACTOR'S SCOPE OF WORK

4.1 Mobilization & Site Control

The Contractor (Nature's Way Environmental Consultants and Contractors) will be responsible for mobilization and site setup. The Contractor will procure and transport the necessary resources to accommodate the project requirements (i.e. labor, materials, and equipment). The requirements include, but are not limited to, the information provided in this section. Other requirements not specifically provided herein, but necessary for the successful conduct and completion of the work, will be provided by the County or URS to the Contractor.

4.2 Temporary Facilities

The County will make space available within the WCFTC building for a small Site Office/Work Area to be used by Project Management and NYSDEC personnel during work On-Site. Site workers will have access to, and may utilize, existing WCFTC bathroom and potable water facilities during SVE cell decommissioning operations.

4.3 Erosion and Sediment Control

In accordance with *New York Guidelines for Urban Erosion and Sediment Control* (New York 1997), an erosion and sediment control plan must be prepared for any construction activity that exceeds 1 acre in size. Because the total proposed soil disposal area is less than 1 acre in size, it is not anticipated that the Contractor will need to submit a Notice of Intent to the NYSDEC Division of Water to obtain coverage under the State Pollution Discharge Elimination System (SPDES) General Permit #GP-02-01 for stormwater discharges associated with construction activities. Sediment and erosion controls will be incorporated into the overall scope of work as a Best Management Practice and to re-establish vegetation.

4.4 Community Air Monitoring Plan

Residences within one-half mile of the WCFTC will be notified, in writing, at least one week prior to the SVE cell decommissioning. Based on the size, location, and setting of the WCFTC, no impact to nearby residents is expected as a result of the SVE cell decommissioning work. Notification, continuous downwind air monitoring for VOC's during SVE cell decommissioning work, and fugitive emissions control measures will assure that there will be no impact to residents.

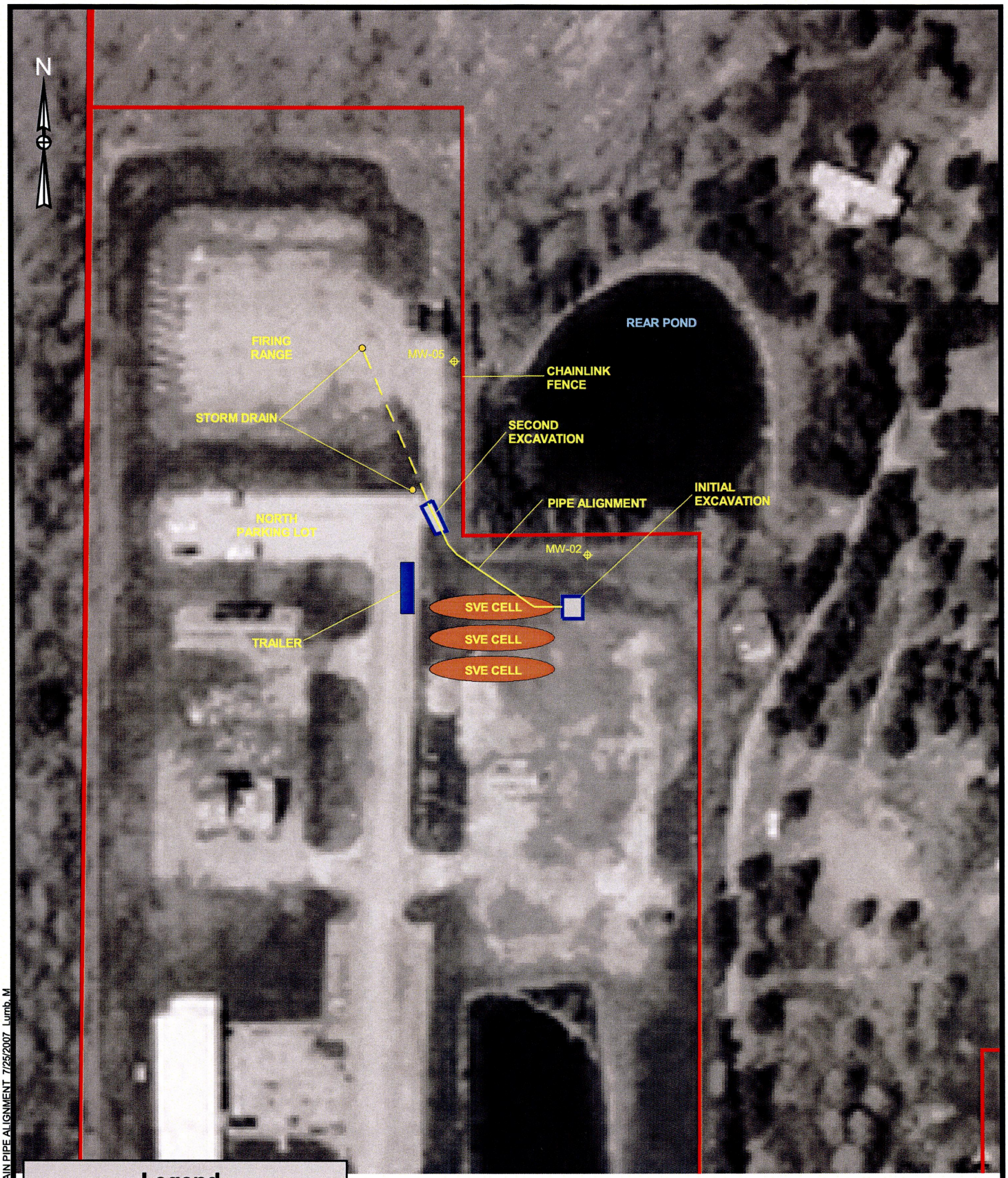
It is expected that all SVE cell decommissioning work will be completed in USEPA Level D personal protective equipment.

Air monitoring procedures outlined in the Health and Safety Plan contained in the previous IRM Work Plan for Contaminated Soil Removal (URS – August 2003) will be utilized.

5.0 CORRUGATED PLASTIC PIPE

A 4-inch diameter corrugated plastic pipe extends from just north of the north Fire Pit about 80 feet to the northwest, under the northeast corner of the northernmost SVE cell (Figure 5-1). This pipe is to be removed and disposed offsite.

Once the SVE cells are removed, excavation of the corrugated pipe will proceed. The excavation will be initiated at the eastern end of the pipe and progress northwest. A small trackhoe will be used to excavate a trench approximately 1 – 2 feet wide to expose the pipe. The excavated soils will be visually examined for any evidence of petroleum contamination (i.e. staining, discoloration, odor, etc.) and screened with a PID to determine if any VOCs and/or petroleum are present in the excavated soils. "Clean" soils (i.e. PID readings $\leq$ 5ppm above background and no visual evidence of contamination) will be staged alongside the excavation for use as backfill. Any soils exhibiting elevated PID readings (i.e. > 5 ppm above background) or visual evidence of contamination, will be segregated and placed on polyethylene sheeting in a temporary stockpile. The soils will be handled using the same procedures outlined in Section 3.3. The pipe will be removed and placed in a roll-off for offsite disposal as non-hazardous waste.



N:\11172991.00000\DB\Gis\wyoming.apr DRAIN PIPE ALIGNMENT 7/25/2007 Lumb, M

URS	WYOMING COUNTY FIRE TRAINING CENTER DRAIN PIPE ALIGNMENT	FIGURE 5-1

APPENDIX A

INFLUENT/EFFLUENT AIR QUALITY DATA

SYSTEM START-UP

JANUARY 13, 2004

Wyoming County Fire Training Center
Wethersfield, New York
System Data Table

		Vacuum Reading "H2O	OVM/PID Reading Before Carbon Treatment	OVM/PID Reading After first Carbon Drum	OVM / PID Reading After Second Carbon Drum
1/13/04		-	70.2	0.0	0.0
1/14/04		-	20.0 influent	-	0.0 effluent
1/15/04		8	17.7	0.0	0.0
1/22/04	system off on arrival	-	32.6	0.0	0.0
2/06/04	system off on arrival-restart	80	-	-	-
	15minutes	66	6.0	0.0	0.0
	25 minutes	63	12.8	-	0.0
2/16/04		47	13.8	0.0	0.0
3/12/04	system running on arrival	6	9.0	0.0	0.0
5/07/04	system running on arrival	6	3.3	0.0	0.0
6/10/04	system running on arrival	3	25.5	0.7	0.6
7/13/04	system running on arrival	4	26.0	16.0	0.0
9/01/04	system off on arrival	3	14.0	0.4	0.0
9/30/04	system running on arrival	4	14.2	1.1	0.0

Wyoming County Fire Training Center
Wethersfield, New York
System Data Table (Cells)

	North Cell				Middle Cell				South Cell			
	Influent Top (ppm)	Influent Bottom (ppm)	Vac Top ("H2O)	Vac Bottom ("H2O)	Influent Top (ppm)	Influent Bottom (ppm)	Vac Top ("H2O)	Vac Bottom ("H2O)	Influent Top (ppm)	Influent Bottom (ppm)	Vac Top ("H2O)	Vac Bottom ("H2O)
7/13/04	7.2	5.6	-	-	4.2	7.0	-	-	28.0	N/A	-	N/A
9/1/04	0.1-0.0	0.0/10.0	1.0-2.0	1.0-2.0	0.0/0.0	0.0/8.0	1.0-2.0	1.0-2.0	30.0-41.8	N/A	1.0-2.0	N/A
9/30/04	0.0/0.0	0.0/3.3	3.0	3.0	0.0/0.0	0.0/6.2	3.0	3.0	23.0	N/A	3.0	N/A

initial reading / only valve open reading

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

Volatile Analysis Report for Air Samples

Client: Nature's Way Environmental

Client Job Site:	Wyoming Center Fire Training Venter	**Lab Project Number:**	04-0203
Client Job Number:	N/A	**Lab Sample Number:**	1325
Field Location:	Before Carbon Filter	**Date Sampled:**	01/13/2004
Field ID Number:	N/A	**Date Received:**	01/15/2004
Sample Type:	Air	**Date Analyzed:**	01/28/2004

Halocarbons	Results in mg / m3
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
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	17.1
1,1,1-Trichloroethane	13.0
1,1,2-Trichloroethane	ND< 2.00
Trichloroethene	ND< 2.00
Trichlorofluoromethane	ND< 2.00
Vinyl Chloride	ND< 2.00

Aromatics	Results in mg / m3
Benzene	ND< 2.00
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< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in mg / m3
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in mg / m3
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10709

Method: EPA 8260B Modified for Tedlar Bag

Comments: ND denotes Non Detect
mg / m3 = milligram per Cubic Meter

Signature:

Bruce Hoogesteger: Technical Director

File ID: 040203V1.XLS

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

Volatile Analysis Report for Air Samples

Client: Nature's Way Environmental

Client Job Site:	Wyoming Center Fire Training Venter	**Lab Project Number:**	04-0203
		Lab Sample Number:	1326
Client Job Number:	N/A		
Field Location:	After First Filter	**Date Sampled:**	01/13/2004
Field ID Number:	N/A	**Date Received:**	01/15/2004
Sample Type:	Air	**Date Analyzed:**	01/28/2004

Halocarbons	Results in mg / m3
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
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 mg / m3
Benzene	ND< 2.00
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< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in mg / m3
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in mg / m3
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10709 Method: EPA 8260B Modified for Tedlar Bag

Comments: ND denotes Non Detect
mg / m3 = milligram per Cubic Meter

Signature: Bruce Hoogestraat: Technical Director

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

Volatile Analysis Report for Air Samples

Client: Nature's Way Environmental

Client Job Site:	Wyoming Center Fire Training Venter	**Lab Project Number:**	04-0203
Client Job Number:	N/A	**Lab Sample Number:**	1327
Field Location:	After 2nd Filter	**Date Sampled:**	01/13/2004
Field ID Number:	N/A	**Date Received:**	01/15/2004
Sample Type:	Air	**Date Analyzed:**	01/28/2004

Halocarbons	Results in mg / m3
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl ether	ND< 2.00
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-1,3-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	4.95
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 mg / m3
Benzene	ND< 2.00
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< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in mg / m3
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in mg / m3
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10709 Method: EPA 8260B Modified for Tedlar Bag

Comments: ND denotes Non Detect
mg / m3 = milligram per Cubic Meter

Signature: Bruce Hoogesteger, Technical Director

File ID: 040203V3.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

COMPANY: NATURE'S WAY ENVIRONMENTAL
ADDRESS: 3553 CRITTENDEN RD.
CITY: CRITTENDEN STATE: N.Y. ZIP: 14038
PHONE: (716) 937-6527 FAX: (716) 937-9360
ATTN: GREG WEABER
COMMENTS:

COMPANY: NATURE'S WAY
ADDRESS: 3553 CRITTENDEN RD.
CITY: CRITTENDEN STATE: N.Y. ZIP: 14039
PHONE: (716) 937-6527 FAX: 937-9360
ATTN: GREG WEABER

LAB PROJECT #: 04-0203
CLIENT PROJECT #:
TURNAROUND TIME: (WORKING DAYS)
1 2 3 STD OTHER

PROJECT NAME/SITE NAME: WYOMING COUNTY FIRE TRAINING CENTER

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	BTEX Full List	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	1/13/04	9:45			Before Carbon Filter	AIR	1	/		13251
2	1/13/04	9:45			After First Filter	AIR	1	/		13256
3	1/13/04	9:45			After 2ND Filter	AIR	1	/		13257
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: ✓ PRESERVATIONS: ✓ HOLDING TIME: ✓ TEMPERATURE: ✓ 10°C

Sampled By: Date/Time: 1/13/04 9:45
Relinquished By: Date/Time: 1/13/04 14:20
Received By: Date/Time: 1/13/04 14:20

Relinquished By: Date/Time:
Received By: Date/Time:
Received @ Lab By: Pamela M. Blake Date/Time: 1/15/04 @ 10:00

Total Cost:
P.I.F.

INFLUENT/EFFLUENT AIR READINGS

APRIL 15, 2004

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

Volatile Analysis Report for Air

Client: NWEC/LC, Inc

Client Job Site:	Wyoming County Fire Training Center	**Lab Project Number:**	04-1035
		Lab Sample Number:	4044
Client Job Number:	N/A		
Field Location:	Between Carbon 1 & Carbon 2	**Date Sampled:**	04/15/2004
Field ID Number:	N/A	**Date Received:**	04/16/2004
Sample Type:	Air	**Date Analyzed:**	04/26/2004

Halocarbons	Results in mg / m3
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
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 mg / m3
Benzene	ND< 2.00
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< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in mg / m3
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in mg / m3
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Modified for Tedlar Bag Data File: 20694.D

Comments: ND denotes Non Detect
mg / m3 = milligram per Cubic Meter

Signature:
Bruce Hoogesteger, Technical Director

Chain of Custody provides additional sample information, including confidence

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

Volatile Analysis Report for Air

Client: NWEC&C, Inc

Client Job Site:	Wyoming County Fire Training Center	**Lab Project Number:**	04-1035
		Lab Sample Number:	4045
Client Job Number:	N/A		
Field Location:	Carbon Effluent	**Date Sampled:**	04/15/2004
Field ID Number:	N/A	**Date Received:**	04/16/2004
Sample Type:	Air	**Date Analyzed:**	04/26/2004

Halocarbons	Results in mg / m3
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
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 mg / m3
Benzene	ND< 2.00
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< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in mg / m3
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in mg / m3
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Modified for Tedlar Bag Data File: 20695.D

Comments: ND denotes Non Detect
mg / m3 = milligram per Cubic Meter

Signature:

Bruce Hoogesteger, Technical Director

This report is not to be reproduced except in full, without written approval of the laboratory. Chain of Custody provides additional sample information, including sampling

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:
COMPANY: NYEC EC, Inc
ADDRESS: 5335 Crittenden Rd
CITY: Crittenden STATE: NY ZIP: 14038
PHONE: 716-937-6527 FAX: 937-9360
ATTN: Ross Sawyer / Greg Wilson
COMMENTS:

INVOICE TO:
COMPANY:
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 04-1055
CLIENT PROJECT #:
TURNAROUND TIME: (WORKING DAYS) 6-8
☐ 1 ☐ 2 ☐ 3 ☐ 5 STD ☐ OTHER

PROJECT NAME/SITE NAME: Wyoming County Fire training Center

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8260 Full list	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4/15/04			X	Between Carbon 1 + Carbon 2	Air	1	X		4044
2	4/15/04			X	Carbon Effluent	Air	1	X		4045
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:
CONTAINER TYPE: ☑ PRESERVATIONS: ☑ HOLDING TIME: ☑ TEMPERATURE: ☐ 18°C

Sampled By: [signature]	Date/Time: 4/15/04	Relinquished By:	Date/Time:
Relinquished By: [signature]	Date/Time: 4/15/04	Received By:	Date/Time:
Received By: [signature]	Date/Time: 4/15/4	Received @ Lab By: Kelly Crandall	Date/Time: 4/16/04 1051

Total Cost:

P.I.F.

INFLUENT/EFFLUENT AIR READINGS

MAY 7, 2004

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

Volatile Analysis Report for Air

Client: NWEC&C

Client Job Site:	Wyoming County Fire Training	**Lab Project Number:**	04-1249
		Lab Sample Number:	4760
Client Job Number:	N/A		
Field Location:	Pre Carbon Influent	**Date Sampled:**	05/07/2004
Field ID Number:	N/A	**Date Received:**	05/10/2004
Sample Type:	Air	**Date Analyzed:**	05/14/2004

Halocarbons	Results in mg / m3
Bromodichloromethane	ND< 2.00
Bromomethane	ND< 2.00
Bromoform	ND< 2.00
Carbon Tetrachloride	ND< 2.00
Chloroethane	ND< 2.00
Chloromethane	ND< 2.00
2-Chloroethyl vinyl Ether	ND< 2.00
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	15.2
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 mg / m3
Benzene	ND< 2.00
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< 2.00
1,2-Dichlorobenzene	ND< 2.00
1,3-Dichlorobenzene	ND< 2.00
1,4-Dichlorobenzene	ND< 2.00

Ketones	Results in mg / m3
Acetone	ND< 10.0
2-Butanone	ND< 5.00
2-Hexanone	ND< 5.00
4-Methyl-2-pentanone	ND< 5.00

Miscellaneous	Results in mg / m3
Carbon disulfide	ND< 5.00
Vinyl acetate	ND< 5.00

ELAP Number 10958 Method: EPA 8260B Modified for Tedlar Bag Data File: 21226.D

Comments: ND denotes Non Detect
mg / m3 = milligram per cubic meter

Signature: Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt. File ID: 0412A SV1.XLS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1937
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO

COMPANY: ALLEGC
ADDRESS: 3553 Cattenden Rd
CITY: Cattenden STATE: NY ZIP: 14625
PHONE: 716 924 6527 FAX: 716-924-9360
ATTN: Russ Savage
COMMENTS: Please Fax Results

INVOICE TO

COMPANY: SAME
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: 04-1047
CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS)
STANDARD
1 2 3 STD 5 OTHER ☑

PROJECT NAME/SITE NAME: WYOMING COUNTY FIRE TRAINING

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8260TCL										REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/7/04				PRE CARBON INFLUENT	Air	1	X											4760
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: ✓ PRESERVATION: ✓ HOLDING TIME: ✓ TEMPERATURE: ✓ 5°

Sampled By: HENRY AUSTIN	Date/Time: 5/7/04	Relinquished By:	Date/Time:
Relinquished By:	Date/Time: 5/7/04	Received By:	Date/Time:
Received By:	Date/Time: 5/7/04	Received @ Lab By: Kelly Crandall 5/10/04	Date/Time: 1057

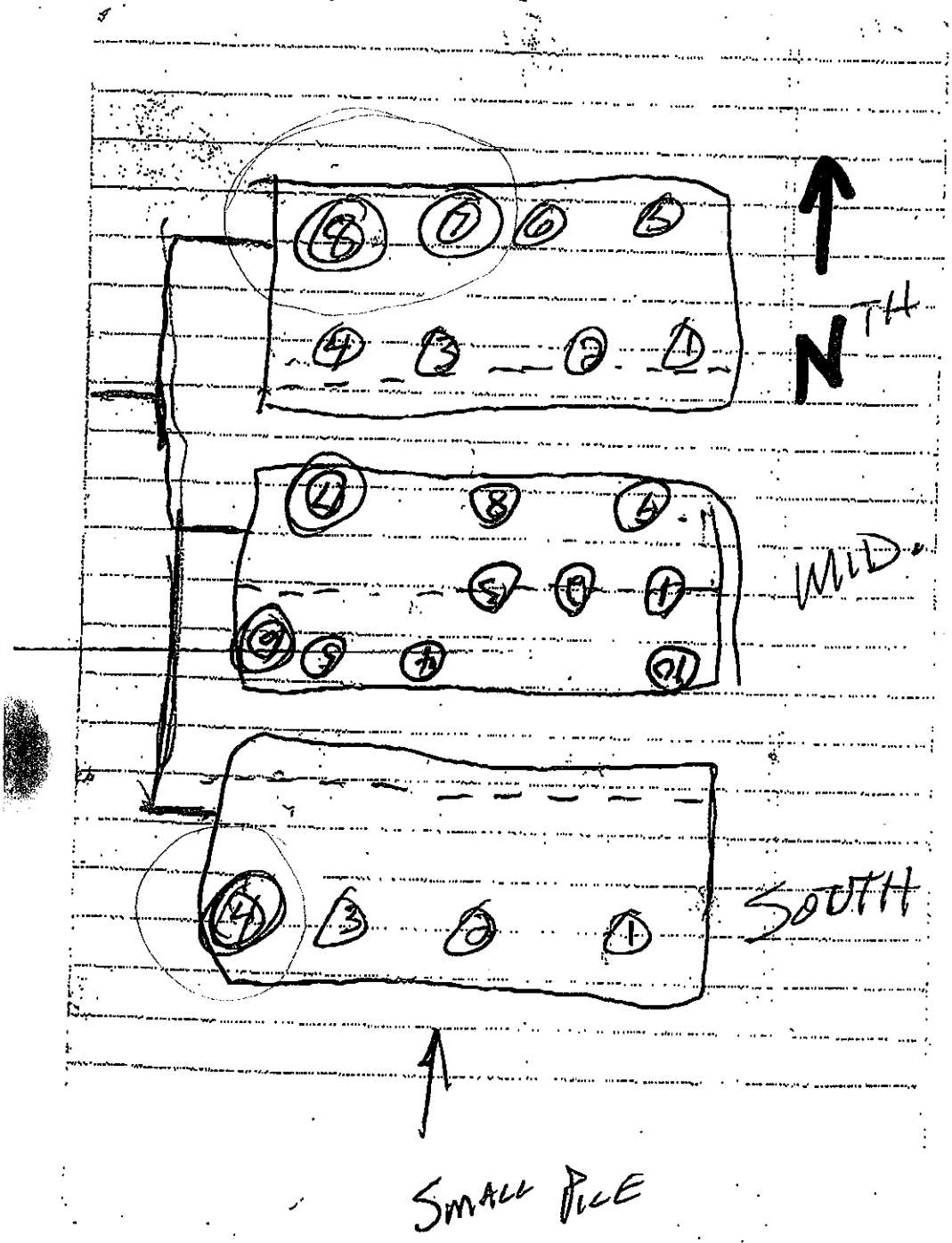
Total Cost:

P.I.F.

APPENDIX B

PID READINGS FOR SOIL IN SVE CELLS

WYO. COUNTY FIRE TRAINING CENTER



HOLES MARKED

1-A
1-B
1-C

2-A
2-B

ETC.

KEVIN & ERIC

Wyoming County Fire Training Center

PID Scanning results of samples secured on 1/4/05 - 1/5/05

Samples Secured by: Kevin Donnelly and Eric Laurienzo

Please see attached site map for sample locations.

Cell ID	Sample ID	PID Reading
North	1A	0.4
North	1B	0.1
North	1C	0.1
North	1D	0.2
North	2A	0.2
North	2B	0.2
North	2C	0.1
North	2D	0.1
North	3A	0.1
North	3B	0
North	3C	0.2
North	3D	0.2
North	4A	0.1
North	4B	0.1
North	4C	0.2
North	**4D**	**2.5**
North	5A	1.2
North	5B	0.3
North	5C	0.8
North	5D	0.2
North	6A	0.2
North	6B	0.4
North	6C	0.4
North	6D	0.3
North	7A	0.3
North	7B	0.4
North	**7C**	**51.4**
North	**7D**	**201**
North	8A	1.3
North	8B	1
North	8C	1.3
North	**8D**	**131**

Cell ID	Sample ID	PID Reading
Middle	1A	0
Middle	1B	2.9
Middle	**1C**	**2.9**
Middle	3A	0
Middle	3B	1.5
Middle	3C	0
Middle	3D	0
Middle	4A	0
Middle	4B	0
Middle	4C	0
Middle	4D	0
Middle	5A	0
Middle	5B	0
Middle	5C	0
Middle	5D	0
Middle	6A	0
Middle	**6B**	**2.9**
Middle	6C	0
Middle	**6D**	**2.9**
Middle	7A	0
Middle	**7B**	**2.9**
Middle	7C	0
Middle	7D	1.5
Middle	8A	0
Middle	8B	0
Middle	8C	0
Middle	8D	0
Middle	9A	0
Middle	9B	0
Middle	10A	0
Middle	10B	0

Sample ID that are underlined and bolded and have a bolded PID Reading indicate samples that were submitted for analysis.

Wyoming County Fire Training Center

PID Scanning results of samples secured on 1/4/05 - 1/5/05

Samples Secured by: Kevin Donnelly and Eric Laurienzo

Please see attached site map for sample locations.

Cell ID	Sample ID	PID Reading
South	1A	7.1
South	1B	4.7
South	1C	8.5
South	2A	3.4
South	2B	1.9
South	2C	10.3
South	2D	5.6
South	3A	3.1
South	3B	3.3
South	3C	5.3
South	3D	7
South	4A	6.2
South	4B	10.7
South	**4C**	**426**
South	**4D**	**418**

Sample ID that are underlined and bolded and have a bolded PID Reading indicate samples that were submitted for analysis.

APPENDIX C

ANALYTICAL DATA FOR TREATED SOIL SAMPLES

FROM SVE CELLS

SOIL ANALYTICAL RESULTS

JANUARY 4 & 5, 2005

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501075
Project: Wyoming Co. Fire Training Center
Lab ID: 0501075-01A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: SOUTH 2-C
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 10.90
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.56	µg/Kg-dry	1	1/13/2005 5:25:00 PM	BANK_050113A	RMJ
1,1,2,2-Tetrachloroethane	ND		5.56	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		5.56	µg/Kg-dry	1			
1,1-Dichloroethane	ND		5.56	µg/Kg-dry	1			
1,1-Dichloroethene	ND		5.56	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		5.56	µg/Kg-dry	1			
1,2-Dichloroethane	ND		5.56	µg/Kg-dry	1			
1,2-Dichloroethene, Total	2.65	J	5.56	µg/Kg-dry	1	< TAGM		
1,2-Dichloropropane	ND		5.56	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		5.56	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		5.56	µg/Kg-dry	1			
2-Butanone	ND		11.1	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		11.1	µg/Kg-dry	1			
2-Hexanone	ND		11.1	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		11.1	µg/Kg-dry	1			
Acetone	3.37	JB	11.1	µg/Kg-dry	1	< TAGM		
Benzene	ND		5.56	µg/Kg-dry	1			
Bromodichloromethane	ND		5.56	µg/Kg-dry	1			
Bromoform	ND		5.56	µg/Kg-dry	1			
Bromomethane	ND		11.1	µg/Kg-dry	1			
Carbon disulfide	ND		5.56	µg/Kg-dry	1			
Carbon tetrachloride	ND		5.56	µg/Kg-dry	1			
Chlorobenzene	ND		5.56	µg/Kg-dry	1			
Chloroethane	ND		11.1	µg/Kg-dry	1			
Chloroform	ND		5.56	µg/Kg-dry	1			
Chloromethane	ND		11.1	µg/Kg-dry	1			
cis-1,2-Dichloroethene	2.65	J	5.56	µg/Kg-dry	1	< TAGM		
cis-1,3-Dichloropropene	ND		5.56	µg/Kg-dry	1			
Dibromochloromethane	ND		5.56	µg/Kg-dry	1			
Ethylbenzene	ND		5.56	µg/Kg-dry	1			
m,p-Xylene	ND		5.56	µg/Kg-dry	1			
Methylene chloride	ND		5.56	µg/Kg-dry	1			
o-Xylene	ND		5.56	µg/Kg-dry	1			
Styrene	ND		5.56	µg/Kg-dry	1			
Tetrachloroethene	138		5.56	µg/Kg-dry	1			
Toluene	ND		5.56	µg/Kg-dry	1	< TAGM		
trans-1,2-Dichloroethene	ND		5.56	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		5.56	µg/Kg-dry	1			

Definitions:

* - Recovery outside QC limits
DF Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present

B Analyte found in Method blank
DNI - Did not Ignite
J Estimated value
NC Not Calculated
P Post Spike Recovery outside limits

D Diluted due to matrix or extended target compounds
E Result above quantitation limit (high standard or ICP linear range)
M - Matrix Spike Recovery outside limits
ND Not Detected at the Reporting Limit
R - RPD outside recovery limits

LIMS Version #: [illegible]

Printed: Monday, January 17, 2005 [illegible] PM

Analytical Services Center
International Specialists in Environmental Analysis
a division of ecology and environment, inc.
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501075
Project: Wyoming Co. Fire Training Center
Lab ID: 0501075-01A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: SOUTH 2-C
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 10.90
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		5.56	µg/Kg-dry	1			
Trichlorofluoromethane	ND		5.56	µg/Kg-dry	1			
Vinyl acetate	ND		11.1	µg/Kg-dry	1			
Vinyl chloride	ND		11.1	µg/Kg-dry	1			
Xylenes, Total	ND		5.56	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	91		77 - 119	%REC	1	1/13/2005 5:25:00 PM	HANK_050113A	RMJ
Surr:4-Bromofluorobenzene	98		88 - 124	%REC	1			
Surr:Dibromofluoromethane	98		83 - 117	%REC	1			
Surr:Toluene-d8	105		84 - 119	%REC	1			

Definitions:

* Recovery outside QC limits
DF Dilution Factor
H Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B Analyte found in Method blank
DNI - Did not Ignite
J Estimated value
NC Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E Result above quantitation limit (high standard or ICP linear range).
M - Matrix Spike Recovery outside limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501075
Project: Wyoming Co. Fire Training Center
Lab ID: 0501075-02A
Sample Type: SAMP
Client Sample ID: NORTH 5-A
Alt. Client ID:
Collection Date: 1/5/2004
% Moist: 12.30
Matrix: Soil
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.68	µg/Kg-dry	1	1/13/2005 6:37:00 PM	HANK_050113A	RMJ
1,1,2,2-Tetrachloroethane	ND		5.68	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		5.68	µg/Kg-dry	1			
1,1-Dichloroethane	ND		5.68	µg/Kg-dry	1			
1,1-Dichloroethene	ND		5.68	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		5.68	µg/Kg-dry	1			
1,2-Dichloroethane	ND		5.68	µg/Kg-dry	1			
1,2 Dichloroethene, Total	ND		5.68	µg/Kg-dry	1			
1,2-Dichloropropane	ND		5.68	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		5.68	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		5.68	µg/Kg-dry	1			
2-Butanone	ND		11.4	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		11.4	µg/Kg-dry	1			
2-Hexanone	ND		11.4	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		11.4	µg/Kg-dry	1			
Acetone	3.84	JB	11.4	µg/Kg-dry	1	< PAGM		
Benzene	ND		5.68	µg/Kg-dry	1			
Bromodichloromethane	ND		5.68	µg/Kg-dry	1			
Bromoform	ND		5.68	µg/Kg-dry	1			
Bromomethane	ND		11.4	µg/Kg-dry	1			
Carbon disulfide	ND		5.68	µg/Kg-dry	1			
Carbon tetrachloride	ND		5.68	µg/Kg-dry	1			
Chlorobenzene	ND		5.68	µg/Kg-dry	1			
Chloroethane	ND		11.4	µg/Kg-dry	1			
Chloroform	ND		5.68	µg/Kg-dry	1			
Chloromethane	ND		11.4	µg/Kg-dry	1			
cis-1,2-Dichloroethene	ND		5.68	µg/Kg-dry	1			
cis-1,3-Dichloropropene	ND		5.68	µg/Kg-dry	1			
Dibromochloromethane	ND		5.68	µg/Kg-dry	1			
Ethylbenzene	ND		5.68	µg/Kg-dry	1			
m,p-Xylene	ND		5.68	µg/Kg-dry	1			
Methylene chloride	ND		5.68	µg/Kg-dry	1			
o-Xylene	ND		5.68	µg/Kg-dry	1			
Styrene	ND		5.68	µg/Kg-dry	1			
Tetrachloroethene	207		5.68	µg/Kg-dry	1	< PAGM		
Toluene	ND		5.68	µg/Kg-dry	1			
trans-1,2-Dichloroethene	ND		5.68	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		5.68	µg/Kg-dry	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B Analyte found in Method blank
DNI - Did not Ignite
J Estimated value
NC Not Calculated
P Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E Result above quantitation limit (high standard or ICP linear range)
M - Matrix Spike Recovery outside limits
ND Not Detected at the Reporting Limit
R RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501075
Project: Wyoming Co. Fire Training Center
Lab ID: 0501075-02A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: NORTH 5-A
Alt. Client ID:
Collection Date: 1/5/2004 **% Moist:** 12.30
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		5.68	µg/Kg-dry	1			
Trichlorofluoromethane	ND		5.68	µg/Kg-dry	1			
Vinyl acetate	ND		11.4	µg/Kg-dry	1			
Vinyl chloride	ND		11.4	µg/Kg-dry	1			
Xylenes, Total	ND		5.68	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	92		77 - 119	%REC	1	1/13/2005 6:37:00 PM	HANK_050113A	RMJ
Surr:4-Bromofluorobenzene	103		88 - 124	%REC	1			
Surr:Dibromofluoromethane	100		83 - 117	%REC	1			
Surr:Toluene-d8	107		84 - 119	%REC	1			

Definitions:

- * - Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range).
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits

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Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501075
Project: Wyoming Co. Fire Training Center
Client Sample ID: MIDDLE 3-B
Alt. Client ID:
Collection Date: 1/4/2004
% Moist: 8.15
Lab ID: 0501075-03A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.35	µg/Kg-dry	1	1/15/2005 11:57:00 AM	BANK 050115A	GP
1,1,2,2-Tetrachloroethane	ND		5.35	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		5.35	µg/Kg-dry	1			
1,1-Dichloroethane	ND		5.35	µg/Kg-dry	1			
1,1-Dichloroethene	ND		5.35	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		5.35	µg/Kg-dry	1			
1,2-Dichloroethane	ND		5.35	µg/Kg-dry	1			
1,2-Dichloroethene, Total	ND		5.35	µg/Kg-dry	1			
1,2-Dichloropropane	ND		5.35	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		5.35	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		5.35	µg/Kg-dry	1			
2-Butanone	ND		10.7	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		10.7	µg/Kg-dry	1			
2-Hexanone	ND		10.7	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		10.7	µg/Kg-dry	1			
Acetone	4.56	JB	10.7	µg/Kg-dry	1	< TAGM		
Benzene	ND		5.35	µg/Kg-dry	1			
Bromodichloromethane	ND		5.35	µg/Kg-dry	1			
Bromoform	ND		5.35	µg/Kg-dry	1			
Bromomethane	ND		10.7	µg/Kg-dry	1			
Carbon disulfide	ND		5.35	µg/Kg-dry	1			
Carbon tetrachloride	ND		5.35	µg/Kg-dry	1			
Chlorobenzene	ND		5.35	µg/Kg-dry	1			
Chloroethane	ND		10.7	µg/Kg-dry	1			
Chloroform	ND		5.35	µg/Kg-dry	1			
Chloromethane	ND		10.7	µg/Kg-dry	1			
cis-1,2-Dichloroethene	ND		5.35	µg/Kg-dry	1			
cis-1,3-Dichloropropene	ND		5.35	µg/Kg-dry	1			
Dibromochloromethane	ND		5.35	µg/Kg-dry	1			
Ethylbenzene	ND		5.35	µg/Kg-dry	1			
m,p-Xylene	ND		5.35	µg/Kg-dry	1			
Methylene chloride	ND		5.35	µg/Kg-dry	1			
o-Xylene	ND		5.35	µg/Kg-dry	1			
Styrene	ND		5.35	µg/Kg-dry	1			
Tetrachloroethene	1.56	J	5.35	µg/Kg-dry	1	< TAGM		
Toluene	ND		5.35	µg/Kg-dry	1			
trans-1,2-Dichloroethene	ND		5.35	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		5.35	µg/Kg-dry	1			

Definitions:

- * Recovery outside QC limits
- DF - Dilution Factor
- H - Value Exceeds Maximum Contaminant Level
- N - Single Column Analysis
- NP - Petroleum Pattern is not present
- B - Analyte found in Method blank
- DNI - Did not Ignite
- J - Estimated value
- NC - Not Calculated
- P - Post Spike Recovery outside limits
- D - Diluted due to matrix or extended target compounds
- E - Result above quantitation limit (high standard or ICP linear range)
- M - Matrix Spike Recovery outside limits
- ND - Not Detected at the Reporting Limit
- R - RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501075
Project: Wyoming Co. Fire Training Center
Lab ID: 0501075-03A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: MIDDLE 3-B
Alt. Client ID:
Collection Date: 1/4/2004 **% Moist:** 8.15
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		5.35	µg/Kg-dry	1			
Trichlorofluoromethane	ND		5.35	µg/Kg-dry	1			
Vinyl acetate	ND		10.7	µg/Kg-dry	1			
Vinyl chloride	ND		10.7	µg/Kg-dry	1			
Xylenes, Total	ND		5.35	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	87		77 - 119	%REC	1	1/15/2005 11:57:00 AM	HANK_050115A	GP
Surr:4-Bromofluorobenzene	95		88 - 124	%REC	1			
Surr:Dibromofluoromethane	96		83 - 117	%REC	1			
Surr:Toluene-d8	101		84 - 119	%REC	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method Blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E - Result above quantitation limit (high standard or ICP linear range)
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

ASC

CHAIN OF CUSTODY

PSC ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

ASC

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

Page 1 of 1

CLIENT INFORMATION

Company Name: Nature's Way Environmental
Project Manager: Ross Savage
Address: 3553 Crittenden Rd
Crittenden, NY 14038
Phone #(716) 937-6527 Fax #: (716) 937-9360
Sampled by: KD EL

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	8260 Full List	Level of contamination (low, high, unknown)
	North 4-D	1	Soil	1/5/05		✓	
	North 7-C	1				X	
	North 7-D ✓	1				X	
	North 8-D ✓	1				X	
	South 4-C ✓	1				X	
	South 4-D	1				X	
	Middle 6-B	1		1/4/05		X	
	Middle 1-C ✓	1				X	
	Middle 7-B ✓	1				X	
	Middle 6-D ✓	1				X	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

*some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days

PROJECT INFORMATION

Project #:
Site: Wyoming Co. Fire Training Center
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

Please fax results to NWEC's @ above #.

REMARKS

PST - Category B
Deliverables:

Client Signature:
Affiliation: Nature's Way Env
Date/Time: 1/6/05 10:30 AM

Received By: Kevin Zielinski
Affiliation: ASC
Date/Time: 1/6/05 10:30 AM

Rec'd By:
Date/Time: 1/6/05 10:45

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

Analytical Services Center
International Specialists in Environmental Analysis
Lancaster, New York 14086-
Phone: (716) 685-8080 Fax: (716) 685-0852

Laboratory Results

NYS ELAP ID#: 10486

CLIENT: Natures Way Environmental
Project: Wyoming Co. Fire Training Center
Lab Order: 0501070
Date Received: 1/6/2005

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Alt. Client Id	Collection Date
0501070-01A	NORTH 4-D		1/5/2005
0501070-02A	NORTH 7-C		1/5/2005
0501070-03A	NORTH 7-D		1/5/2005
0501070-04A	NORTH 8-D		1/5/2005
0501070-05A	SOUTH 4-C		1/5/2005
0501070-06A	SOUTH 4-D		1/5/2005
0501070-07A	MIDDLE 6-B		1/5/2005
0501070-08A	MIDDLE 1-C		1/4/2005
0501070-09A	MIDDLE 7-B		1/4/2005
0501070-10A	MIDDLE 6-D		1/4/2005

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
A division of ecology and environment, inc. Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: NATURES WAY ENVIRONMENTAL
Project: Wyoming Co. Fire Training Center
Lab Order: 0501070

CASE NARRATIVE

SAMPLE MANAGEMENT

Samples were received un-secured and at an ambient temperature.

GCMS VOLATILES

A DB 624 column and a trap packed with OV-1, Tenax, silica gel and activated charcoal was used for the volatile analysis.

Sample analysis
Unless stated otherwise, methanol-extracted soil volatile results account for the theoretical increase in the extract volume resulting from the water content of the soil sample.
All samples were analyzed within hold time.
Samples NORTH 7-D, NORTH 8-D, and SOUTH 4-C were analyzed as medium level soils due to the elevated amount of target analytes present.
Samples NORTH 4-D, MIDDLE 6-D, NORTH 7-D, NORTH 8-D, and SOUTH 4-C were analyzed at secondary dilutions due to the elevated amounts of target analytes present. Both sets of data have been reported here.

Calibration and Tunes
All initial and continuing calibrations were acceptable.
There were no manual integrations required.

QC
All surrogate recoveries were within acceptable limits.
All blank analyses were acceptable.
All matrix spike/spike duplicate (MS/MSD) recoveries and RPD values were acceptable.
All laboratory control sample/duplicate (LCS/LCSD) recoveries and RPD values were acceptable.
All internal standard area responses were acceptable.

GENERAL ANALYTICAL CHEMISTRY

PMOIST
Sample Analysis
The report page presents % moisture. The QC criteria are versus % solids. Subtract % moisture from 100 to obtain % solids. The % solids RPD are acceptable.
All samples were analyzed within hold time.

QC
The matrix duplicates (MD) were acceptable.

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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center
Lab ID: 0501070-01A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: NORTH 4-D
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 10.00
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.48	µg/Kg dry	1	1/12/2005 2:16:00 PM	HANK_050112A	RMJ
1,1,2,2-Tetrachloroethane	ND		5.48	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		5.48	µg/Kg-dry	1			
1,1-Dichloroethane	ND		5.48	µg/Kg-dry	1			
1,1-Dichloroethene	ND		5.48	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		5.48	µg/Kg-dry	1			
1,2-Dichloroethane	ND		5.48	µg/Kg-dry	1			
1,2-Dichloroethene, Total	98.2		5.48	µg/Kg-dry	1	< TAGM		
1,2-Dichloropropane	ND		5.48	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		5.48	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		5.48	µg/Kg-dry	1			
2-Butanone	ND		11.0	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		11.0	µg/Kg-dry	1			
2-Hexanone	ND		11.0	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		11.0	µg/Kg-dry	1			
Acetone	ND		11.0	µg/Kg-dry	1			
Benzene	ND		5.48	µg/Kg-dry	1			
Bromodichloromethane	ND		5.48	µg/Kg-dry	1			
Bromoform	ND		5.48	µg/Kg-dry	1			
Bromomethane	ND		11.0	µg/Kg-dry	1			
Carbon disulfide	ND		5.48	µg/Kg-dry	1			
Carbon tetrachloride	ND		5.48	µg/Kg-dry	1			
Chlorobenzene	ND		5.48	µg/Kg-dry	1			
Chloroethane	ND		11.0	µg/Kg-dry	1			
Chloroform	ND		5.48	µg/Kg-dry	1			
Chloromethane	ND		11.0	µg/Kg-dry	1			
cis-1,2-Dichloroethene	98.2		5.48	µg/Kg-dry	1	< TAGM		
cis-1,3-Dichloropropene	ND		5.48	µg/Kg-dry	1			
Dibromochloromethane	ND		5.48	µg/Kg-dry	1			
Ethylbenzene	ND		5.48	µg/Kg-dry	1			
m,p-Xylene	ND		5.48	µg/Kg-dry	1			
Methylene chloride	ND		5.48	µg/Kg-dry	1			
o-Xylene	ND		5.48	µg/Kg-dry	1			
Styrene	ND		5.48	µg/Kg-dry	1			
Tetrachloroethene	638	E	5.48	µg/Kg-dry	1	< TAGM		
Toluene	ND		5.48	µg/Kg-dry	1			
trans-1,2-Dichloroethene	ND		5.48	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		5.48	µg/Kg-dry	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E - Result above quantitation limit (high standard or ICP linear range)
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center
Lab ID: 0501070-01A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: NORTH 4-D
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 10.00
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	14.7		5.48	µg/Kg-dry	1	< TAGM		
Trichlorofluoromethane	ND		5.48	µg/Kg-dry	1			
Vinyl acetate	ND		11.0	µg/Kg-dry	1			
Vinyl chloride	ND		11.0	µg/Kg-dry	1			
Xylenes, Total	ND		5.48	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	91		77 - 119	%REC	1	1/12/2005 2:16:00 PM	HANK_050112A	RMJ
Surr:4-Bromofluorobenzene	104		88 - 124	%REC	1			
Surr:Dibromofluoromethane	99		83 - 117	%REC	1			
Surr:Toluene-d8	109		84 - 119	%REC	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E - Result above quantitation limit (high standard or ICP linear range)
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center

Client Sample ID: NORTH 7-D
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 16.70

Lab ID: 0501070-03A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_MEOH

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B_MEO

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	150000	> MCM	3950	µg/Kg-dry	5	1/18/2005 1:45:00 AM	HANK_050117A	GP
1,1,2,2-Tetrachloroethane	ND		3950	µg/Kg-dry	5			
1,1,2-Trichloroethane	ND		3950	µg/Kg-dry	5			
1,1-Dichloroethane	ND		3950	µg/Kg-dry	5			
1,1-Dichloroethene	ND		3950	µg/Kg-dry	5			
1,2-Dichlorobenzene	ND		3950	µg/Kg-dry	5			
1,2-Dichloroethane	ND		3950	µg/Kg-dry	5			
1,2-Dichloroethene, Total	ND		3950	µg/Kg-dry	5			
1,2-Dichloropropane	ND		3950	µg/Kg-dry	5			
1,3-Dichlorobenzene	ND		3950	µg/Kg-dry	5			
1,4-Dichlorobenzene	ND		3950	µg/Kg-dry	5			
2-Butanone	ND		7650	µg/Kg-dry	5			
2-Chloroethyl vinyl ether	ND		7650	µg/Kg-dry	5			
2-Hexanone	ND		7650	µg/Kg-dry	5			
4-Methyl-2-pentanone	ND		7650	µg/Kg-dry	5			
Acetone	ND		7650	µg/Kg-dry	5			
Benzene	ND		3950	µg/Kg-dry	5			
Bromodichloromethane	ND		3950	µg/Kg-dry	5			
Bromoform	ND		3950	µg/Kg-dry	5			
Bromomethane	ND		7650	µg/Kg-dry	5			
Carbon disulfide	ND		3950	µg/Kg-dry	5			
Carbon tetrachloride	ND		3950	µg/Kg-dry	5			
Chlorobenzene	ND		3950	µg/Kg-dry	5			
Chloroethane	ND		7650	µg/Kg-dry	5			
Chloroform	ND		3950	µg/Kg-dry	5			
Chloromethane	ND		7650	µg/Kg-dry	5			
cis-1,2-Dichloroethene	ND		3950	µg/Kg-dry	5			
cis-1,3-Dichloropropene	ND		3950	µg/Kg-dry	5			
Dibromochloromethane	ND		3950	µg/Kg-dry	5			
Ethylbenzene	3680	J < MCM	3950	µg/Kg-dry	5			
m,p-Xylene	11500	> MCM	3950	µg/Kg-dry	5			
Methylene chloride	ND		3950	µg/Kg-dry	5			
o-Xylene	5070	> MCM	3950	µg/Kg-dry	5			
Styrene	ND		3950	µg/Kg-dry	5			
Tetrachloroethene	1410000	E > MCM	3950	µg/Kg-dry	5			
Toluene	1640000	E > MCM	3950	µg/Kg-dry	5			
trans-1,2-Dichloroethene	ND		3950	µg/Kg-dry	5			
trans-1,3-Dichloropropene	ND		3950	µg/Kg-dry	5			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICV linear range)
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
ND - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

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International Specialists in Environmental Analysis
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4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center
Lab ID: 0501070-03A **Sample Type:** SAMP **Matrix:** Soil

Client Sample ID: NORTH 7-D
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 16.70
Test Code: 1_8260B_MEOH

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B_MEO

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		3950	µg/Kg-dry	5			
Trichlorofluoromethane	ND		3950	µg/Kg-dry	5			
Vinyl acetate	ND		7650	µg/Kg-dry	5			
Vinyl chloride	ND		7650	µg/Kg-dry	5			
Xylenes, Total	16500	>TAGM	3950	µg/Kg-dry	5			
Surr:1,2-Dichloroethane-d4	81		70 - 130	%REC	5	1/18/2005 1:45:00 AM	HANK_050117A	GP
Surr:4-Bromofluorobenzene	102		70 - 130	%REC	5			
Surr:Dibromofluoromethane	92		70 - 130	%REC	5			
Surr:Toluene-d8	105		70 - 130	%REC	5			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E - Result above quantitation limit (high standard or ICP linear range).
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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4493 Walden Avenue
Lancaster, New York 14086
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Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center
Lab ID: 0501070-04A **Sample Type:** DL

Client Sample ID: NORTH 8-D
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 19.10
Matrix: Soil **Test Code:** 1_8260B_MEOH

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B

Method: SW8260B **Prep Method:** SW5030B_MEO

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	31800	> MCL	20300	µg/Kg-dry	25	1/18/2005 2:29:00 PM	HANK_050118A	DWW
1,1,2,2-Tetrachloroethane	ND		20300	µg/Kg-dry	25			
1,1,2-Trichloroethane	ND		20300	µg/Kg-dry	25			
1,1-Dichloroethane	ND		20300	µg/Kg-dry	25			
1,1-Dichloroethene	ND		20300	µg/Kg-dry	25			
1,2-Dichlorobenzene	ND		20300	µg/Kg-dry	25			
1,2-Dichloroethane	ND		20300	µg/Kg-dry	25			
1,2-Dichloroethene, Total	ND		20300	µg/Kg-dry	25			
1,2-Dichloropropane	ND		20300	µg/Kg-dry	25			
1,3-Dichlorobenzene	ND		20300	µg/Kg-dry	25			
1,4-Dichlorobenzene	ND		20300	µg/Kg-dry	25			
2-Butanone	ND		39300	µg/Kg-dry	25			
2-Chloroethyl vinyl ether	ND		39300	µg/Kg-dry	25			
2-Hexanone	ND		39300	µg/Kg-dry	25			
4-Methyl-2-pentanone	ND		39300	µg/Kg-dry	25			
Acetone	ND		39300	µg/Kg-dry	25			
Benzene	ND		20300	µg/Kg-dry	25			
Bromodichloromethane	ND		20300	µg/Kg-dry	25			
Bromoform	ND		20300	µg/Kg-dry	25			
Bromomethane	ND		39300	µg/Kg-dry	25			
Carbon disulfide	ND		20300	µg/Kg-dry	25			
Carbon tetrachloride	ND		20300	µg/Kg-dry	25			
Chlorobenzene	ND		20300	µg/Kg-dry	25			
Chloroethane	ND		39300	µg/Kg-dry	25			
Chloroform	ND		20300	µg/Kg-dry	25			
Chloromethane	ND		39300	µg/Kg-dry	25			
cis-1,2-Dichloroethene	ND		20300	µg/Kg-dry	25			
cis-1,3-Dichloropropene	ND		20300	µg/Kg-dry	25			
Dibromochloromethane	ND		20300	µg/Kg-dry	25			
Ethylbenzene	ND		20300	µg/Kg-dry	25			
m,p-Xylene	ND		20300	µg/Kg-dry	25			
Methylene chloride	ND		20300	µg/Kg-dry	25			
o-Xylene	ND		20300	µg/Kg-dry	25			
Styrene	ND		20300	µg/Kg-dry	25			
Tetrachloroethene	383000	> MCL	20300	µg/Kg-dry	25			
Toluene	479000	> MCL	20300	µg/Kg-dry	25			
trans-1,2-Dichloroethene	ND		20300	µg/Kg-dry	25			
trans-1,3-Dichloropropene	ND		20300	µg/Kg-dry	25			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D Diluted due to matrix or extended target compounds
DF Dilution Factor
DNI Did not Ignite
E Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
I Estimated value
M - Matrix Spike Recovery outside limits
N Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P Post Spike Recovery outside limits
R - RPD outside recovery limits

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International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center
Lab ID: 0501070-04A

Client Sample ID: NORTH 8-D
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 19.10
Sample Type: DI. **Matrix:** Soil **Test Code:** 1_8260B_MEOH

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B

Method: SW8260B **Prep Method:** SW5030B_MEO

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		20300	µg/Kg-dry	25			
Trichlorofluoromethane	ND		20300	µg/Kg-dry	25			
Vinyl acetate	ND		39800	µg/Kg-dry	25			
Vinyl chloride	ND		39300	µg/Kg-dry	25			
Xylenes, Total	ND		20300	µg/Kg-dry	25			
Surr:1,2-Dichloroethane-d4	85		70 - 130	%REC	25	1/18/2005 2:29:00 PM	HANK_050118A	DWW
Surr:4-Bromofluorobenzene	93		70 - 130	%REC	25			
Surr:Dibromofluoromethane	94		70 - 130	%REC	25			
Surr:Toluene-d8	100		70 - 130	%REC	25			

Definitions:

A - Recovery outside QC limits
B - Analyte found in Method Blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range)
H - Value Exceeds Maximum Contaminant Level
J Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC Not Calculated
ND Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P Post Spike Recovery outside limits
R - RPD outside recovery limits

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International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086
a division of ecology and environment, inc.

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center
Lab ID: 0501070-05A
Sample Type: SAMP **Matrix:** Soil
Client Sample ID: SOUTH 4-C
Alt. Client ID:
Collection Date: 1/5/2005 **% Moist:** 18.80
Test Code: 1_8260B_MEOH

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B_MEO

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	7340	> MGM	808	µg/Kg-dry	1	1/18/2005 4:03:00 AM	HANK 050117A	GP
1,1,2,2-Tetrachloroethane	ND		808	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		808	µg/Kg-dry	1			
1,1-Dichloroethane	ND		808	µg/Kg-dry	1			
1,1-Dichloroethene	ND		808	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		808	µg/Kg-dry	1			
1,2-Dichloroethane	ND		808	µg/Kg-dry	1			
1,2-Dichloroethene, Total	2980	> MGM	808	µg/Kg-dry	1			
1,2-Dichloropropane	ND		808	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		808	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		808	µg/Kg-dry	1			
2-Butanone	ND		1560	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		1560	µg/Kg-dry	1			
2-Hexanone	ND		1560	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		1560	µg/Kg-dry	1			
Acetone	ND		1560	µg/Kg-dry	1			
Benzene	ND		808	µg/Kg-dry	1			
Bromodichloromethane	ND		808	µg/Kg-dry	1			
Bromoform	ND		808	µg/Kg-dry	1			
Bromomethane	ND		1560	µg/Kg-dry	1			
Carbon disulfide	ND		808	µg/Kg-dry	1			
Carbon tetrachloride	ND		808	µg/Kg-dry	1			
Chlorobenzene	ND		808	µg/Kg-dry	1			
Chloroethane	ND		1560	µg/Kg-dry	1			
Chloroform	ND		808	µg/Kg-dry	1			
Chloromethane	ND		1560	µg/Kg-dry	1			
cis-1,2-Dichloroethene	2980	> MGM	808	µg/Kg-dry	1			
cis-1,3-Dichloropropene	ND		808	µg/Kg-dry	1			
Dibromochloromethane	ND		808	µg/Kg-dry	1			
Ethylbenzene	10500	> MGM	808	µg/Kg-dry	1			
m,p-Xylene	46100	> MGM	808	µg/Kg-dry	1			
Methylene chloride	ND		808	µg/Kg-dry	1			
o-Xylene	16700	> MGM	808	µg/Kg-dry	1			
Styrene	ND		808	µg/Kg-dry	1			
Tetrachloroethene	492000	E > MGM	808	µg/Kg-dry	1			
Toluene	9260	> MGM	808	µg/Kg-dry	1			
trans-1,2-Dichloroethene	ND		808	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		808	µg/Kg-dry	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method Blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E - Result above quantitation limit (high standard or ICP linear range).
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
a division of ecology and environment, inc. Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center

Client Sample ID: SOUTH 4-C
Alt. Client ID:
Collection Date: 1/5/2005 % Moist:18.80

Lab ID: 0501070-05A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_MEOH

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B_MEO

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		808	µg/Kg-dry	1			
Trichlorofluoromethane	ND		808	µg/Kg-dry	1			
Vinyl acetate	ND		1560	µg/Kg-dry	1			
Vinyl chloride	ND		1560	µg/Kg-dry	1			
Xylenes, Total	62800	> PAGE	808	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	82		70 - 130	%REC	1	1/18/2005 4:03:00 AM	HANK_050117A	GP
Surr:4-Bromofluorobenzene	93		70 - 130	%REC	1			
Surr:Dibromofluoromethane	92		70 - 130	%REC	1			
Surr:Toluene-d8	105		70 - 130	%REC	1			

Definitions:

* Recovery outside QC limits
DF Dilution Factor
H Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method Blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
R - Result above quantitation limit (high standard or ICV linear range).
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

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International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center
Client Sample ID: MIDDLE 1-C
Alt. Client ID:
Collection Date: 1/4/2005
% Moist: 2.33
Lab ID: 0501070-08A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B

Method: SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		5.19	µg/Kg-dry	1	1/12/2005 7:35:00 PM	HANK_050112A	RMJ
1,1,2,2-Tetrachloroethane	ND		5.19	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		5.19	µg/Kg-dry	1			
1,1-Dichloroethane	ND		5.19	µg/Kg-dry	1			
1,1-Dichloroethene	ND		5.19	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		5.19	µg/Kg-dry	1			
1,2-Dichloroethane	ND		5.19	µg/Kg-dry	1			
1,2-Dichloroethene, Total	ND		5.19	µg/Kg-dry	1			
1,2-Dichloropropane	ND		5.19	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		5.19	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		5.19	µg/Kg-dry	1			
2-Butanone	ND		10.4	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		10.4	µg/Kg-dry	1			
2-Hexanone	ND		10.4	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		10.4	µg/Kg-dry	1			
Acetone	ND		10.4	µg/Kg-dry	1			
Benzene	ND		5.19	µg/Kg-dry	1			
Bromodichloromethane	ND		5.19	µg/Kg-dry	1			
Bromoform	ND		5.19	µg/Kg-dry	1			
Bromomethane	ND		10.4	µg/Kg-dry	1			
Carbon disulfide	ND		5.19	µg/Kg-dry	1			
Carbon tetrachloride	ND		5.19	µg/Kg-dry	1			
Chlorobenzene	ND		5.19	µg/Kg-dry	1			
Chloroethane	ND		10.4	µg/Kg-dry	1			
Chloroform	ND		5.19	µg/Kg-dry	1			
Chloromethane	ND		10.4	µg/Kg-dry	1			
cis-1,2-Dichloroethene	ND		5.19	µg/Kg-dry	1			
cis-1,3-Dichloropropene	ND		5.19	µg/Kg-dry	1			
Dibromochloromethane	ND		5.19	µg/Kg-dry	1			
Ethylbenzene	ND		5.19	µg/Kg-dry	1			
m,p-Xylene	ND		5.19	µg/Kg-dry	1			
Methylene chloride	ND		5.19	µg/Kg-dry	1			
o-Xylene	ND		5.19	µg/Kg-dry	1			
Styrene	ND		5.19	µg/Kg-dry	1			
Tetrachloroethene	45.1	< MCA	5.19	µg/Kg-dry	1			
Toluene	ND		5.19	µg/Kg-dry	1			
trans-1,2-Dichloroethene	ND		5.19	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		5.19	µg/Kg-dry	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method Blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range)
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

LIMS Version #: 050119 [illegible]

Printed: [illegible]

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
a division of ecology and environment, inc. Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Client Sample ID: MIDDLE 1-C
Lab Order: 0501070
Alt. Client ID:
Project: Wyoming Co. Fire Training Center
Collection Date: 1/4/2005 % Moist:2.33
Lab ID: 0501070-08A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		5.19	µg/Kg-dry	1			
Trichlorofluoromethane	ND		5.19	µg/Kg-dry	1			
Vinyl acetate	ND		10.4	µg/Kg-dry	1			
Vinyl chloride	ND		10.4	µg/Kg-dry	1			
Xylenes, Total	ND		5.19	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	92		77 - 119	%REC	1	1/12/2005 7:36:00 PM	HANK_050112A	HMJ
Surr:4-Bromofluorobenzene	102		88 - 124	%REC	1			
Surr:Dibromofluoromethane	100		83 - 117	%REC	1			
Surr:Toluene-d8	107		84 - 119	%REC	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF Dilution Factor
DNI - Did not ignite
E - Result above quantitation limit (high standard or ICP linear range)
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND Not Detected at the Reporting Limit
NP Petroleum Pattern is not present
P Post Spike Recovery outside limits
R - RPD outside recovery limits

LIMS Version #: 050119_1130
Printed: Wednesday, January 19 2005 7:59:34 PM

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Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Client Sample ID: MIDDLE 7-B
Lab Order: 0501070
Alt. Client ID:
Project: Wyoming Co. Fire Training Center
Collection Date: 1/4/2005
% Moist: 18.70
Lab ID: 0501070-09A
Sample Type: SAMP
Matrix: Soil
Test Code: 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B
Method: SW8260B
Prep Method: SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	ND		6.04	µg/Kg-dry	1	1/13/2005 2:58:00 PM	HANK 050113A	HMJ
1,1,2,2-Tetrachloroethane	ND		6.04	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		6.04	µg/Kg-dry	1			
1,1-Dichloroethane	ND		6.04	µg/Kg-dry	1			
1,1-Dichloroethene	ND		6.04	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		6.04	µg/Kg-dry	1			
1,2-Dichloroethane	ND		6.04	µg/Kg-dry	1			
1,2-Dichloroethene, Total	2.52	J < MRL	6.04	µg/Kg-dry	1			
1,2-Dichloropropane	ND		6.04	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		6.04	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		6.04	µg/Kg-dry	1			
2-Butanone	ND		12.1	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		12.1	µg/Kg-dry	1			
2-Hexanone	ND		12.1	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		12.1	µg/Kg-dry	1			
Acetone	ND		12.1	µg/Kg-dry	1			
Benzene	ND		6.04	µg/Kg-dry	1			
Bromodichloromethane	ND		6.04	µg/Kg-dry	1			
Bromoform	ND		6.04	µg/Kg-dry	1			
Bromomethane	ND		12.1	µg/Kg-dry	1			
Carbon disulfide	ND		6.04	µg/Kg-dry	1			
Carbon tetrachloride	ND		6.04	µg/Kg-dry	1			
Chlorobenzene	ND		6.04	µg/Kg-dry	1			
Chloroethane	ND		12.1	µg/Kg-dry	1			
Chloroform	ND		6.04	µg/Kg-dry	1			
Chloromethane	ND		12.1	µg/Kg-dry	1			
cis-1,2-Dichloroethene	2.52	J < MRL	6.04	µg/Kg-dry	1			
cis-1,3-Dichloropropene	ND		6.04	µg/Kg-dry	1			
Dibromochloromethane	ND		6.04	µg/Kg-dry	1			
Ethylbenzene	ND		6.04	µg/Kg-dry	1			
m,p-Xylene	ND		6.04	µg/Kg-dry	1			
Methylene chloride	ND		6.04	µg/Kg-dry	1			
o-Xylene	ND		6.04	µg/Kg-dry	1			
Styrene	ND		6.04	µg/Kg-dry	1			
Tetrachloroethene	136	= MRL	6.04	µg/Kg-dry	1			
Toluene	ND		6.04	µg/Kg-dry	1			
trans-1,2-Dichloroethene	ND		6.04	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		6.04	µg/Kg-dry	1			

Definitions:

* - Recovery outside QC limits
B Analyte found in Method blank
D - Diluted due to matrix or extended target compounds
DF Dilution Factor
DNI Did not Ignite
E - Result above quantitation limit (high standard on ICP linear range)
H Value Exceeds Maximum Contaminant Level
J - Estimated value
M Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND Not Detected at the Reporting Limit
PF Petroleum Pattern is not present
P Post Spike Recovery outside limits
R - RPD outside recovery limits

LIMS Version #: 050129 [illegible]
Printed: [illegible]

Analytical Services Center
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center

Client Sample ID: MIDDLE 7-B
Alt. Client ID:
Collection Date: 1/4/2005 % Moist: 18.70

Lab ID: 0501070-09A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B **Method:** SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	0.836	J < RL CM	6.04	µg/Kg-dry	1			
Trichlorofluoromethane	ND		6.04	µg/Kg-dry	1			
Vinyl acetate	ND		12.1	µg/Kg-dry	1			
Vinyl chloride	ND		12.1	µg/Kg-dry	1			
Xylenes, Total	ND		6.04	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	89		77 - 119	%REC	1	1/13/2005 2:58:00 PM	HANK_050113A	BMJ
Surr:4-Bromofluorobenzene	99		88 - 124	%REC	1			
Surr:Dibromofluoromethane	98		83 - 117	%REC	1			
Surr:Toluene-d8	107		84 - 119	%REC	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B Analyte found in Method Blank
DNI - Did not Ignite
J Estimated value
NC - Not Calculated
P Post Spike Recovery outside limits
D Diluted due to matrix or extended target compounds
E - Result above quantitation limit (high standard or ICP linear range).
M - Matrix Spike Recovery outside limits
ND Not Detected at the Reporting Limit
R - RPD outside recovery limits

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International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center

Client Sample ID: MIDDLE 6-D
Alt. Client ID:
Collection Date: 1/4/2005 % Moist:27.30

Lab ID: 0501070-10A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B

Method: SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
1,1,1-Trichloroethane	2.00	J < PQL	6.85	µg/Kg-dry	1	1/12/2005 9:19:00 PM	HANK_050112A	RMJ
1,1,2,2-Tetrachloroethane	ND		6.85	µg/Kg-dry	1			
1,1,2-Trichloroethane	ND		6.85	µg/Kg-dry	1			
1,1-Dichloroethane	ND		6.85	µg/Kg-dry	1			
1,1-Dichloroethene	ND		6.85	µg/Kg-dry	1			
1,2-Dichlorobenzene	ND		6.85	µg/Kg-dry	1			
1,2-Dichloroethane	ND		6.85	µg/Kg-dry	1			
1,2-Dichloroethene, Total	ND		6.85	µg/Kg-dry	1			
1,2-Dichloropropane	ND		6.85	µg/Kg-dry	1			
1,3-Dichlorobenzene	ND		6.85	µg/Kg-dry	1			
1,4-Dichlorobenzene	ND		6.85	µg/Kg-dry	1			
2-Butanone	ND		13.7	µg/Kg-dry	1			
2-Chloroethyl vinyl ether	ND		13.7	µg/Kg-dry	1			
2-Hexanone	ND		13.7	µg/Kg-dry	1			
4-Methyl-2-pentanone	ND		13.7	µg/Kg-dry	1			
Acetone	5.65	J < PQL	13.7	µg/Kg-dry	1			
Benzene	ND		6.85	µg/Kg-dry	1			
Bromodichloromethane	ND		6.85	µg/Kg-dry	1			
Bromoform	ND		6.85	µg/Kg-dry	1			
Bromomethane	ND		13.7	µg/Kg-dry	1			
Carbon disulfide	ND		6.85	µg/Kg-dry	1			
Carbon tetrachloride	ND		6.85	µg/Kg-dry	1			
Chlorobenzene	ND		6.85	µg/Kg-dry	1			
Chloroethane	ND		13.7	µg/Kg-dry	1			
Chloroform	ND		6.85	µg/Kg-dry	1			
Chloromethane	ND		13.7	µg/Kg-dry	1			
cis-1,2-Dichloroethene	ND		6.85	µg/Kg-dry	1			
cis-1,3-Dichloropropene	ND		6.85	µg/Kg-dry	1			
Dibromochloromethane	ND		6.85	µg/Kg-dry	1			
Ethylbenzene	ND		6.85	µg/Kg-dry	1			
m,p-Xylene	ND		6.85	µg/Kg-dry	1			
Methylene chloride	ND		6.85	µg/Kg-dry	1			
o-Xylene	ND		6.85	µg/Kg-dry	1			
Styrene	ND		6.85	µg/Kg-dry	1			
Tetrachloroethene	279	E < PQL	6.85	µg/Kg-dry	1			
Toluene	ND		6.85	µg/Kg-dry	1			
trans-1,2-Dichloroethene	ND		6.85	µg/Kg-dry	1			
trans-1,3-Dichloropropene	ND		6.85	µg/Kg-dry	1			

Definitions:

* - Recovery outside QC limits
DF - Dilution Factor
H - Value Exceeds Maximum Contaminant Level
N - Single Column Analysis
NP - Petroleum Pattern is not present
B - Analyte found in Method Blank
DNI - Did not Ignite
J - Estimated value
NC - Not Calculated
P - Post Spike Recovery outside limits
D - Diluted due to matrix or extended target compounds
E - Result above quantitation limit (high standard or ICP linear range)
M - Matrix Spike Recovery outside limits
ND - Not Detected at the Reporting Limit
R - RPD outside recovery limits

LIMS Version #: 050119 1130
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Analytical Services Center
a division of ecology and environment, inc.
International Specialists in Environmental Analysis
4493 Walden Avenue
Lancaster, New York 14086

Laboratory Results

NYS ELAP ID#: 10486
Phone: (716) 685-8080

Client: Natures Way Environmental
Lab Order: 0501070
Project: Wyoming Co. Fire Training Center

Client Sample ID: MIDDLE 6-D
Alt. Client ID:
Collection Date: 1/4/2005 % Moist:27.30

Lab ID: 0501070-10A **Sample Type:** SAMP **Matrix:** Soil **Test Code:** 1_8260B_S

VOLATILE ORGANIC COMPOUNDS BY METHOD 8260B

Method: SW8260B **Prep Method:** SW5030B

Analyte	Result	Q	RL	Units	DF	Date Analyzed	Run Batch ID	Analyst
Trichloroethene	ND		6.85	µg/Kg-dry	1			
Trichlorofluoromethane	ND		6.85	µg/Kg-dry	1			
Vinyl acetate	ND		13.7	µg/Kg-dry	1			
Vinyl chloride	ND		13.7	µg/Kg-dry	1			
Xylenes, Total	ND		6.85	µg/Kg-dry	1			
Surr:1,2-Dichloroethane-d4	91		77 - 118	%REC	1	1/12/2005 9:19:00 PM	HANK_050112A	RMJ
Surr:4-Bromofluorobenzene	102		88 - 124	%REC	1			
Surr:Dibromofluoromethane	99		83 - 117	%REC	1			
Surr:Toluene-d8	108		84 - 119	%REC	1			

Definitions:

* - Recovery outside QC limits
B - Analyte found in Method Blank
D - Diluted due to matrix or extended target compounds
DF - Dilution Factor
DNI - Did not Ignite
E - Result above quantitation limit (high standard or ICP linear range).
H - Value Exceeds Maximum Contaminant Level
J - Estimated value
M - Matrix Spike Recovery outside limits
N - Single Column Analysis
NC - Not Calculated
ND - Not Detected at the Reporting Limit
NP - Petroleum Pattern is not present
P - Post Spike Recovery outside limits
R - RPD outside recovery limits

LIMS Version #: 050119 1130
Printed: Wednesday, January 19, 2005 2:30:51 PM

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-6788
Fax: (905) 332-9169

Page _____ of _____

CLIENT INFORMATION

Company Name: Russ Savage
Project Manager: Nature's Way Environmental
Address: 3553 Crittenden Rd
Crittenden, NY 14038
Phone #: (716) 937-6527 Fax #: 937-9360
Sampled by: KD + EL

ANALYSIS REQUESTED

8260 Full List

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time		Level of contamination (low, high, unknown)
	South 2-C ✓	1	Soil	1/5/05		X	
	North 5-A ✓	1	Soil	1/5/05		X	
	Middle 3-B ✓	1	Soil	1/4/05		X	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

"some exceptions apply please contact Lab

- STD 10 Business Days ☐
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days

PROJECT INFORMATION

Project #: _____
Site: Wyoming Co. Fire
PO#: _____
Philip Quote #: _____
Philip Project #: _____
Philip Contact: _____

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

Please fax results to Russ Savage @ above number

REMARKS

ASP Cat. B Deliverables

Client Signature: _____
Affiliation: NWEHS, Inc PM
Date/Time: 1/7/04

Received By: D Heelmann
Affiliation: E·E
Date/Time: 1-7-05 1100

Rec'd By: _____
Date/Time _____

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

Jan 24 05 10:53a Nature's Way 716-937-9360 p.25

SOIL ANALYTICAL RESULTS

SEPTEMBER 14, 2006

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

Volatile Analysis Report for Soils/Solids/Sludges

Client: NWECAC

Client Job Site:	WCFTC	**Lab Project Number:**	06-2875
		Lab Sample Number:	9537
Client Job Number:	04-136		
Field Location:	S cell,W end,S1,2.5-3.5	**Date Sampled:**	09/14/2006
Field ID Number:	N/A	**Date Received:**	09/22/2006
Sample Type:	Soil	**Date Analyzed:**	09/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.9
Bromomethane	ND< 10.9
Bromoform	ND< 10.9
Carbon Tetrachloride	ND< 10.9
Chloroethane	ND< 10.9
Chloromethane	ND< 10.9
2-Chloroethyl vinyl Ether	ND< 10.9
Chloroform	ND< 10.9
Dibromochloromethane	ND< 10.9
1,1-Dichloroethane	ND< 10.9
1,2-Dichloroethane	ND< 10.9
1,1-Dichloroethene	ND< 10.9
cis-1,2-Dichloroethene	13.5
trans-1,2-Dichloroethene	ND< 10.9
1,2-Dichloropropane	ND< 10.9
cis-1,3-Dichloropropene	ND< 10.9
trans-1,3-Dichloropropene	ND< 10.9
Methylene chloride	ND< 27.2
1,1,2,2-Tetrachloroethane	ND< 10.9
Tetrachloroethene	711
1,1,1-Trichloroethane	ND< 10.9
1,1,2-Trichloroethane	ND< 10.9
Trichloroethene	35.6
Trichlorofluoromethane	ND< 10.9
Vinyl chloride	ND< 10.9

Aromatics	Results in ug / Kg
Benzene	ND< 10.9
Chlorobenzene	ND< 10.9
Ethylbenzene	ND< 10.9
Toluene	ND< 10.9
m,p-Xylene	ND< 10.9
o-Xylene	ND< 10.9
Styrene	ND< 10.9
1,2-Dichlorobenzene	ND< 10.9
1,3-Dichlorobenzene	ND< 10.9
1,4-Dichlorobenzene	ND< 10.9

Ketones	Results in ug / Kg
Acetone	ND< 54.3
2-Butanone	ND< 27.2
2-Hexanone	ND< 27.2
4-Methyl-2-pentanone	ND< 27.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 27.2
Vinyl acetate	ND< 27.2

ELAP Number 10958 Method: EPA 8260B Data File: V39441.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: Bruce Hoogestegen, Technical Director

PARAGON ENVIRONMENTAL CONSULTANTS, INC. 170 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Soils/Solids/Sludges

Client: NWECC

Client Job Site: WCFTC
Client Job Number: 04-136
Field Location: Mid cell,E end,93.7-8'
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 06-2875
Lab Sample Number: 9538
Date Sampled: 09/14/2006
Date Received: 09/22/2006
Date Analyzed: 09/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.11
Bromomethane	ND< 8.11
Bromoform	ND< 8.11
Carbon Tetrachloride	ND< 8.11
Chloroethane	ND< 8.11
Chloromethane	ND< 8.11
2-Chloroethyl vinyl Ether	ND< 8.11
Chloroform	ND< 8.11
Dibromochloromethane	ND< 8.11
1,1-Dichloroethane	ND< 8.11
1,2-Dichloroethane	ND< 8.11
1,1-Dichloroethene	ND< 8.11
cis-1,2-Dichloroethene	ND< 8.11
trans-1,2-Dichloroethene	ND< 8.11
1,2-Dichloropropane	ND< 8.11
cis-1,3-Dichloropropene	ND< 8.11
trans-1,3-Dichloropropene	ND< 8.11
Methylene chloride	ND< 20.3
1,1,2,2-Tetrachloroethane	ND< 8.11
Tetrachloroethene	32.6
1,1,1-Trichloroethane	ND< 8.11
1,1,2-Trichloroethane	ND< 8.11
Trichloroethene	ND< 8.11
Trichlorofluoromethane	ND< 8.11
Vinyl chloride	ND< 8.11

Aromatics	Results in ug / Kg
Benzene	ND< 8.11
Chlorobenzene	ND< 8.11
Ethylbenzene	ND< 8.11
Toluene	ND< 8.11
m,p-Xylene	ND< 8.11
o-Xylene	ND< 8.11
Styrene	ND< 8.11
1,2-Dichlorobenzene	ND< 8.11
1,3-Dichlorobenzene	ND< 8.11
1,4-Dichlorobenzene	ND< 8.11

Ketones	Results in ug / Kg
Acetone	ND< 40.6
2-Butanone	ND< 20.3
2-Hexanone	ND< 20.3
4-Methyl-2-pentanone	ND< 20.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 20.3
Vinyl acetate	ND< 20.3

ELAP Number 10958 Method: EPA 82608 Data File: V39444.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

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 Soils/Solids/Sludges

Client: NWEC&C

Client Job Site:	WCFTC	**Lab Project Number:**	06-2875
		Lab Sample Number:	9539
Client Job Number:	04-136		
Field Location:	N cell,W end,S4,5-6'	**Date Sampled:**	09/14/2006
Field ID Number:	N/A	**Date Received:**	09/22/2006
Sample Type:	Soil	**Date Analyzed:**	09/22/2006

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.5
Bromomethane	ND< 10.5
Bromoform	ND< 10.5
Carbon Tetrachloride	ND< 10.5
Chloroethane	ND< 10.5
Chloromethane	ND< 10.5
2-Chloroethyl vinyl Ether	ND< 10.5
Chloroform	ND< 10.5
Dibromochloromethane	ND< 10.5
1,1-Dichloroethane	ND< 10.5
1,2-Dichloroethane	ND< 10.5
1,1-Dichloroethene	ND< 10.5
cis-1,2-Dichloroethene	ND< 10.5
trans-1,2-Dichloroethene	ND< 10.5
1,2-Dichloropropane	ND< 10.5
cis-1,3-Dichloropropene	ND< 10.5
trans-1,3-Dichloropropene	ND< 10.5
Methylene chloride	ND< 26.3
1,1,2,2-Tetrachloroethane	ND< 10.5
Tetrachloroethene	14.2
1,1,1-Trichloroethane	ND< 10.5
1,1,2-Trichloroethane	ND< 10.5
Trichloroethene	ND< 10.5
Trichlorofluoromethane	ND< 10.5
Vinyl chloride	ND< 10.5

Aromatics	Results in ug / Kg
Benzene	ND< 10.5
Chlorobenzene	ND< 10.5
Ethylbenzene	ND< 10.5
Toluene	ND< 10.5
m,p-Xylene	ND< 10.5
o-Xylene	ND< 10.5
Styrene	ND< 10.5
1,2-Dichlorobenzene	ND< 10.5
1,3-Dichlorobenzene	ND< 10.5
1,4-Dichlorobenzene	ND< 10.5

Ketones	Results in ug / Kg
Acetone	ND< 52.7
2-Butanone	ND< 26.3
2-Hexanone	ND< 26.3
4-Methyl-2-pentanone	ND< 26.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 26.3
Vinyl acetate	ND< 26.3

ELAP Number 10958 Method: EPA 82608 Data File: V39445.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

09-25-'06 07:41 FROM-NWECC Inc. 716-937-9360 T-337 P005/005 F-292

PARADIGM ENVIRONMENTAL SERVICES, INC.

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

CHAIN OF CUSTODY

PROJECT NAME/SITE NAME: UCFTC

COMPANY: NWECC Inc.	COMPANY:
ADDRESS: 3653 Cattlenden Rd	ADDRESS:
CITY: Cattlenden STATE: NY ZIP: 14838	CITY: STATE: ZIP:
PHONE: 7169376527 FAX: 7169379360	PHONE: FAX:
ATTN: Russ George	ATTN:
COMMENTS:	

LAB PROJECT #: 06-2875
CLIENT PROJECT #: 04-136
TURNAROUND TIME: (WORKING DAYS) Rush ASAP
☐ 1 ☐ 2 ☐ 3 STD ☐ 5 OTHER ☐
QUOTE #: Results Mon. AM.

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	8260 Full List	TCL per GW Standards 9/23/06	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/14/06	9:00		X	S cell, West, S1, 2.5-3.5'	S	1	X			9537
2	~~9/14/06~~	~~10:30~~		~~X~~	~~S cell, East, S2, 2.5'-3.5'~~	~~S~~	~~1~~	~~X~~		delete - all stone [illegible]	
3	9/14/06	12:30		X	Mid cell, East, S3, 7-8'	S	1	X			9538
4	9/14/06	2:00		X	N cell, West, S4, 5-6'	S	1	X			9539
5											
6											
7											
8											
9											
10											

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

Receipt Parameter	NELAC Compliance	
Container Type: Comments:	Y [X]	N [ ]
Preservation: Comments:	Y [X]	N [ ]
Holding Time: Comments:	Y [X]	N [ ]
Temperature: 11°C iced Comments:	Y [ ]	N [X]

Matt Peters — 9/14/06
Sampled By — Date/Time

MP Peters — 9/21/06
Relinquished By — Date/Time

James A Stover — 9/21/06 2:50 pm
Received By — Date/Time

Elizabeth A. Honch — 9/22/06 0910
Received @ Lab By — Date/Time

Total Cost: [ ]

P.I.F. [ ]