



September 7, 2011

Mr. John Somers, Director of Administration
City of Beaver Dam
205 S. Lincoln Avenue
Beaver Dam, WI 53916

Re: Phase II Environmental Site Assessment
Zieman Property, N8331 Kellom Road, Beaver Dam

Dear Mr. Somers:

As a result of the Phase I Environmental Site Assessment (ESA) performed in August 2011 at the above subject property, MSA Professional Services, Inc. (MSA) identified the former presence of an underground gasoline tank and two aboveground petroleum fueling tanks as potential recognized environmental conditions for the property. MSA recommended that Phase II ESA soil borings be performed in the area of the tanks to determine if a release to the environment had occurred.

According to the current owner's representative for the property, Richard Zieman, there may have been an underground storage tank located southwest of a large tree on the south side of the present driveway. Two aboveground fuel tanks were later located in the same general vicinity. The aboveground tanks have been removed from the property; the fate of the underground tank is unknown, and no tank abandonment records have been located.

In order to determine if a release occurred from either of these tank systems, MSA performed three soil borings at the property on August 29, 2011. Figure 2 (attached) illustrates the location of the three soil borings. The borings were advanced with Geoprobe® drilling equipment.

All three borings were advanced to refusal on dolomitic bedrock. Bedrock refusal was encountered at approximately 11 feet below ground surface (bgs) in B-1, at 7 feet bgs in B-2, and at 14 feet bgs at B-3. Soil samples were screened in the field at two foot intervals in all three borings for organic vapors using a Thermo Environmental Instruments photoionization detector calibrated to isobutylene. No organic vapors above background were detected.

Four soil samples were submitted to the TestAmerica Laboratory in Watertown, Wisconsin for analysis of petroleum compounds. All four samples were analyzed for Gasoline Range Organics (GRO) and petroleum volatile organic compounds (PVOCs). In addition, three of the samples were analyzed for Diesel Range Organics (DRO) and Total Lead.

Offices in Illinois, Iowa, Minnesota, and Wisconsin

1230 SOUTH BOULEVARD • BARABOO, WI 53913-2791
608.356.2771 • 1.800.362.4505 • FAX: 608.356.2770

www.msa-ps.com

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Mr. John Somers, City of Beaver Dam
September 7, 2011

No groundwater was encountered in the soil borings to the total depth investigated . It is anticipated that groundwater is approximately 18 to 20 feet below ground surface in this area, based on the depth to groundwater in the drinking water well. The presence of bedrock at shallow depths prohibited MSA from collecting and analyzing groundwater samples.

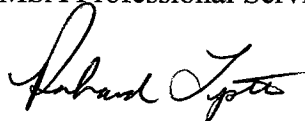
No GRO or PVOCs were detected in the four soil samples. Lead concentrations were equivalent to normal background lead levels in soil. Low levels of DRO were detected in all three samples analyzed, but are likely due to naturally occurring organics in the soil. All DRO concentrations were well below the Department of Natural Resources reporting limit of 10 mg/kg.

No petroleum contamination above State of Wisconsin Standards was detected in the three borings advanced for the Phase II ESA. Based on these results, MSA does not recommend further assessment related to the reported underground tank on the subject property.

Thank you for the opportunity to provide engineering services to the City of Beaver Dam. Please contact us if you have questions concerning the assessment results (800-362-4505).

Sincerely,

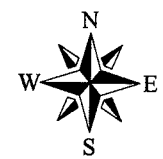
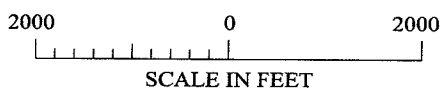
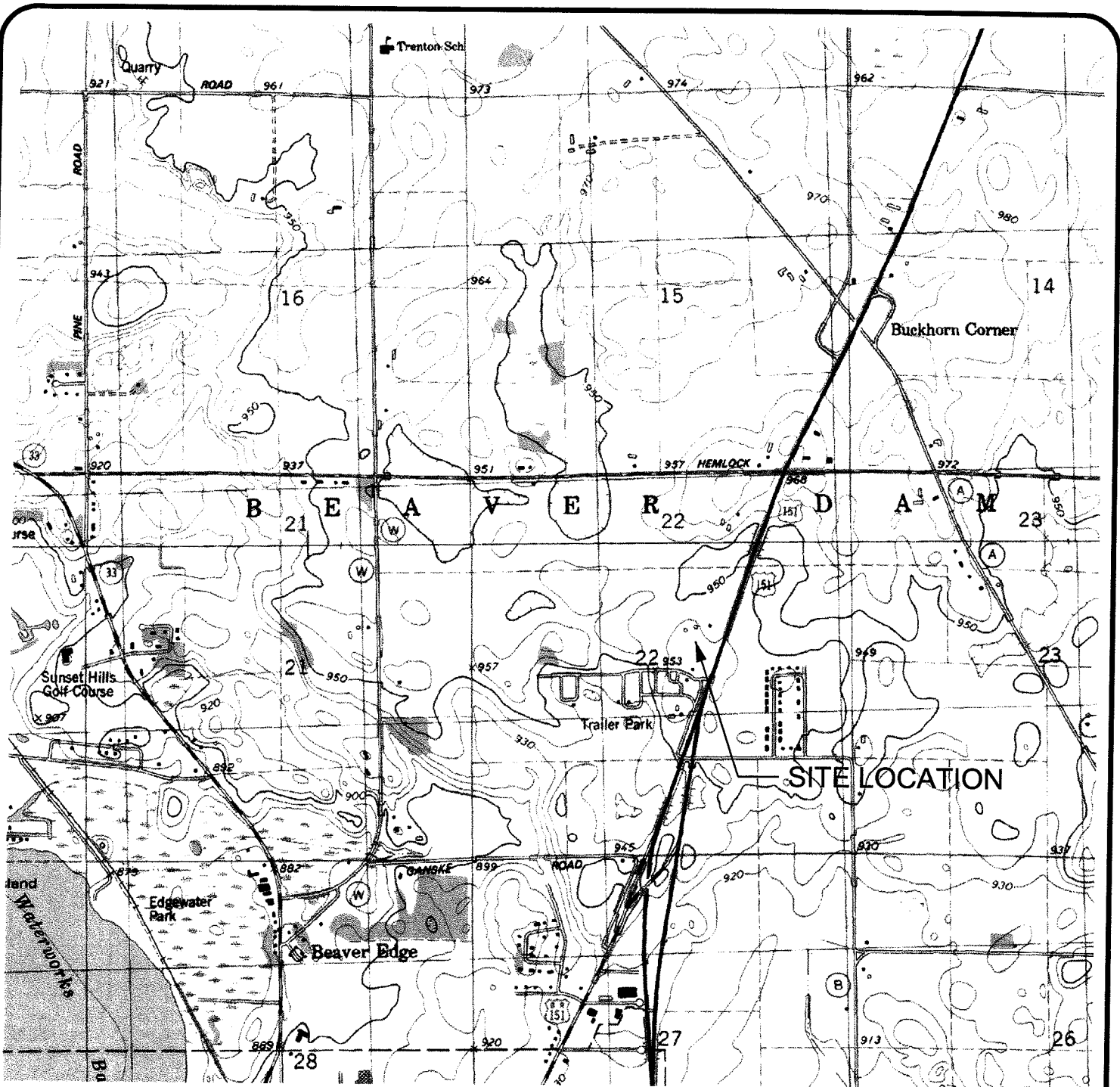
MSA Professional Services, Inc.



Richard S. Lyster, P.G.
Team Leader

RSL:tc

Enc. Figure 1 – Site Location Map
Figure 2 – Soil Boring Locations
Soil Boring Logs
Borehole Abandonment Forms
Laboratory Report - TestAmerica



Beaver Dam & Buckhorn Corner Quadrangle
 Wisconsin - Dodge County
 7.5 Minute Series (Topographic)

Contour Interval 10 Feet
 1980

FIGURE 1
 SITE LOCATION MAP
 Phase I ESA
 Zieman and Snyder Parcels
 Town of Beaver Dam



TRANSPORTATION • MUNICIPAL
 DEVELOPMENT • ENVIRONMENTAL
 1835 N Stevens St. Rhineland, WI 54501
 715-362-3244 1-800-844-7854 Fax: 715-362-4116
 Web Address: www.msa-ps.com
 © MSA PROFESSIONAL SERVICES

LEGEND

B1 ● GEOPROBE
● SOIL BORING

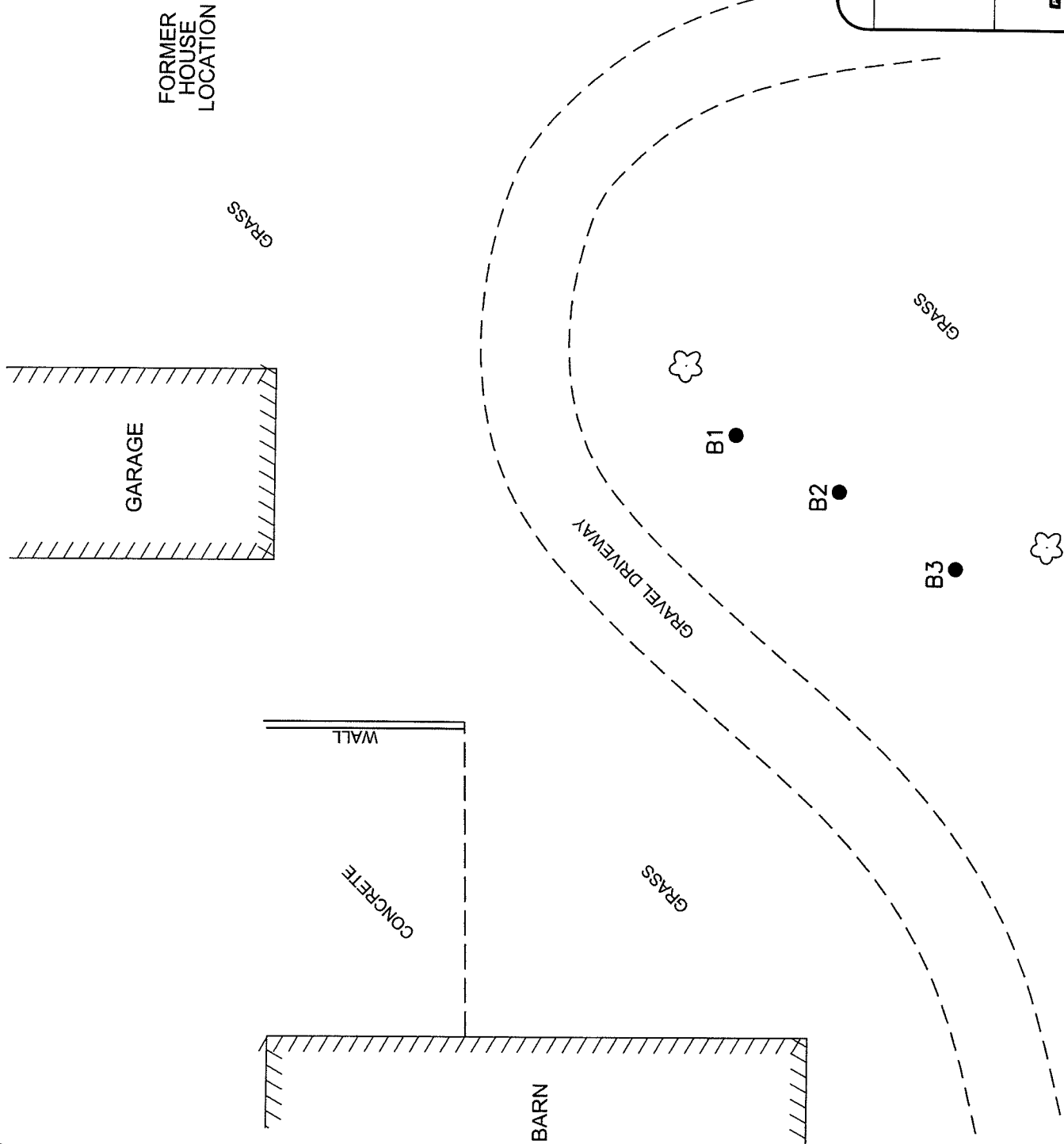


FIGURE 2

SOIL BORING LOCATIONS
N8331 KELLOM RD
BEAVER DAM, WI



TRANSPORTATION • MUNICIPAL
DEVELOPMENT • ENVIRONMENTAL
1835 N. Stevens St., Rhinelander, WI 54501
715-362-3344 T-800-844-7854 Fax: 715-362-4116
Web Address: www.msa-wis.com

PROFESSIONAL SERVICES

DRAWN BY: CAR DATE: 8/11 SHEET X of X
CHECKED BY: JE SCALE: AS SHOWN FILE NO.: 218043F2

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Ziemann Property			License/Permit/Monitoring Number		Boring Number B-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Corey Andersen Soil Essentials			Date Drilling Started 8/29/2011		Date Drilling Completed 8/29/2011	Drilling Method geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL		Surface Elevation Feet MSL	Borehole Diameter 1.5 inches
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location			
State Plane SW 1/4 of NE 1/4 of Section 22, T 12 N, R 14 E			Lat _____ "	_____ "	<input type="checkbox"/> N	<input type="checkbox"/> E
			Long _____ "	_____ "	Feet <input type="checkbox"/> S	Feet <input type="checkbox"/> W
Facility ID		County 14	County Code	Civil Town/City/ or Village Beaver Dam		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 CORE	24 22		1	Grass surface with topsoil										
				Brown Silt										
2 CORE	24 22		2					0						
3 CORE	24 8		4		ML			0						
4 CORE	24 8		6					0						
5 CORE	24 12		8	Same, brown silt but mixed with dolomite gravel. Much harder drilling at 7 feet, very abundant gravel from 8 to 11 feet, refusal on weathered dolomite gravel at approximately 11 feet.	ML			0						
6 CORE	24 8		10					0						
			11					0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Jayne Eglebert* Firm MSA Professional Services, Inc. Tel: _____ Fax: _____

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Ziemann Property			License/Permit/Monitoring Number		Boring Number B-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Corey Andersen Soil Essentials			Date Drilling Started 8/29/2011		Date Drilling Completed 8/29/2011	
WI Unique Well No.		DNR Well ID No.	Common Well Name		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
						Borehole Diameter 1.5 inches
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			State Plane N, E S/C/N		Local Grid Location	
SW 1/4 of NE 1/4 of Section 22, T 12 N, R 14 E			Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> S	
Facility ID			County 14		County Code	
					Civil Town/City/ or Village Beaver Dam	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 CORE	24 5		1	Grass surface, then topsoil										
2 CORE	24 5		2	Brown Silty, dry and crumbly, occ. gravel, increasing gravel with depth. Very hard drilling at 6 feet. Refusal on weathered bedrock at approximately 7 feet.				0						
3 CORE	24 10		4		ML			0						
4 CORE	24 10		6					0						
			7					0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Jayne Egbert* Firm MSA Professional Services, Inc. Tel: _____
Fax: _____

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Ziemann Property			License/Permit/Monitoring Number		Boring Number B-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Corey Andersen Soil Essentials			Date Drilling Started 8/29/2011		Date Drilling Completed 8/29/2011	
WI Unique Well No.		DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL		Surface Elevation Feet MSL
						Borehole Diameter 1.5 inches
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			State Plane N, E S/C/N			Local Grid Location
SW 1/4 of NE 1/4 of Section 22, T 12 N, R 14 E			Lat _____"			<input type="checkbox"/> N <input type="checkbox"/> E
			Long _____"			Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID		County 14	County Code	Civil Town/City/ or Village Beaver Dam		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 CORE	24 6		0-1	Grass surface/topsoil										
				Brown Silt, harder drilling at 5 feet, gravel (dolomite) more abundant										
2 CORE	24 6		1-2					0						
3 CORE	24 8		2-4		ML			0						
4 CORE	24 8		4-6					0						
5 CORE	24 16		6-8	Weathered dolomite bedrock, silt and gravel mixed.				0						
6 CORE	24 16		8-10		ML			1						
			10-12					1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.


Signature: *Jayne Englebert* Firm: MSA Professional Services, Inc. Tel: _____ Fax: _____

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Boring Number **B-3**

Use only as an attachment to Form 4400-122.

Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7 CORE	24 6		13 14	Weathered dolomite bedrock, silt and gravel mixed. <i>(continued)</i>	ML			0						

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Ziemann Property</u>	
Well/Drillhole/Borehole Location <u>B-1</u>	County <u>14</u>	Original Well Owner (If Known) <u>Ziemann Properties</u>	
(If Applicable) <u>SW</u> 1/4 of <u>NE</u> 1/4 of Sec. <u>22</u> ; T. <u>12</u> N; R. <u>14</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W Gov't Lot _____ Grid Number _____ Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W. Civil Town Name _____		Present Well Owner _____ Street or Route _____ City, State, Zip Code <u>Beaver Dam, WI 53916</u>	
Street Address of Well <u>N8331 Kellom Road</u>		Facility Well No. and/or Name (If Applicable) <u>B-1</u>	WI Unique Well No. _____
City, Village <u>Beaver Dam</u>		Reason For Abandonment <u>Completed Sampling</u>	
		Date of Abandonment <u>8/29/11</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>08/29/2011</u> <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>geoprobe</u> Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) <u>dry</u> Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____ Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____
	(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
<u>Bentonite chips</u>	<u>Surface</u>	<u>11.0</u>	<u>7 lbs</u>

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Soil Essentials

Signature of Person Doing Work	Date Signed
Street or Route <u>W6306 Hwy. 39</u>	Telephone Number <u>608-527-2355</u>
City, State, Zip Code <u>New Glarus, WI 53574</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME <u>Ziemann Property</u>	
Well/Drillhole/Borehole Location <u>B-2</u>	County <u>14</u>	Original Well Owner (If Known) <u>Ziemann Properties</u>	
SW <u>1/4</u> of NE <u>1/4</u> of Sec. <u>22</u> ; T. <u>12</u> N; R. <u>14</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If Applicable)		Present Well Owner	
Gov't Lot _____ Grid Number _____		Street or Route	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Beaver Dam, WI 53916</u>	
Civil Town Name		Facility Well No. and/or Name (If Applicable) <u>B-2</u>	WI Unique Well No.
Street Address of Well <u>N8331 Kellom Road</u>		Reason For Abandonment <u>Completed Sampling</u>	
City, Village <u>Beaver Dam</u>		Date of Abandonment <u>8/29/11</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>08/29/2011</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>geoprobe</u></p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) <u>dry</u></p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout</p>
--	---

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight	
<u>Bentonite Chips</u>	<u>Surface</u>	<u>7.0</u>	<u>4.5 lbs</u>	

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Soil Essentials

Signature of Person Doing Work	Date Signed
Street or Route <u>W6306 Hwy. 39</u>	Telephone Number <u>608-527-2355</u>
City, State, Zip Code <u>New Glarus, WI 53574</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Ziemann Property	
Well/Drillhole/Borehole Location B-3	County 14	Original Well Owner (If Known) Ziemann Properties	
SW 1/4 of NE 1/4 of Sec. 22 ; T. 12 N; R. 14 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If Applicable)		Present Well Owner	
Gov't Lot _____ Grid Number _____		Street or Route	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Beaver Dam, WI 53916	
Civil Town Name		Facility Well No. and/or Name (If Applicable) B-3	WI Unique Well No.
Street Address of Well N8331 Kellom Road		Reason For Abandonment Completed Sampling	
City, Village Beaver Dam		Date of Abandonment 8/29/11	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 08/29/2011</p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>geoprobe</u></p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) <u>dry</u></p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite</p> <p><input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Cement Grout</p>
--	--

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	14	9 lbs

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Soil Essentials

Signature of Person Doing Work	Date Signed
Street or Route W6306 Hwy. 39	Telephone Number 608-527-2355
City, State, Zip Code New Glarus, WI 53574	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Watertown
1101 Industrial Drive, Suites 9 & 10
Watertown, WI 53094
Tel: 800-833-7036

TestAmerica Job ID: WUH0883
Client Project/Site: 218043
Client Project Description: Ziemann Property

For:
MSA Professional Services Inc.
1230 South Blvd
Baraboo, WI 53913

Attn: Ms. Jayne Englebert

Sandie Fredrick

Authorized for release by:
09/06/2011 11:30:50 AM

Sandie Fredrick
Project Manager
Sandie.Fredrick@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?

? Ask
The
Expert

Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Definitions/Glossary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Qualifiers

GC Volatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

TCHI

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
*	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Client Sample ID: B-1 10-11'

Lab Sample ID: WUH0883-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.4		0.47	0.23	mg/Kg dry	1	☺	6010B Dry	Total
Diesel Range Organics [C10-C28]	2.1	J	3.2	1.2	mg/Kg dry	1	☺	WI-DRO Dry	Total

Client Sample ID: B-2 6-7'

Lab Sample ID: WUH0883-02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.9		0.50	0.24	mg/Kg dry	1	☺	6010B Dry	Total
Diesel Range Organics [C10-C28]	1.7	J	3.8	1.4	mg/Kg dry	1	☺	WI-DRO Dry	Total

Client Sample ID: B-3 10-12'

Lab Sample ID: WUH0883-03

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.1		0.49	0.24	mg/Kg dry	1	☺	6010B Dry	Total
Diesel Range Organics [C10-C28]	1.4	J	3.4	1.2	mg/Kg dry	1	☺	WI-DRO Dry	Total

Client Sample ID: B-1 6-8'

Lab Sample ID: WUH0883-04

No Detections

Client Sample ID: Methanol Blank

Lab Sample ID: WUH0883-05

No Detections

Client Sample Results

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Client Sample ID: B-1 10-11'

Date Collected: 08/29/11 09:40

Date Received: 08/30/11 08:30

Lab Sample ID: WUH0883-01

Matrix: Soil

Percent Solids: 96.4

Method: SW 8021 - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<26		100	26	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0
Ethylbenzene	<26		100	26	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0
Methyl tert-Butyl Ether	<26		100	26	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0
Naphthalene	<26		100	26	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0
Toluene	<26		100	26	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0
1,2,4-Trimethylbenzene	<26		100	26	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0
1,3,5-Trimethylbenzene	<26		100	26	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0
Xylenes, total	<78		310	78	ug/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		80 - 120	08/31/11 06:25	08/31/11 18:26	1.0

Method: WDNR GRO - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<2.1		5.2	2.1	mg/kg dry	☼	08/31/11 06:25	08/31/11 18:26	1.0

Method: 6010B Dry - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4		0.47	0.23	mg/Kg dry	☼	08/31/11 16:45	09/01/11 16:44	1

Method: WI-DRO Dry - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.1	J	3.2	1.2	mg/Kg dry	☼	09/01/11 07:42	09/01/11 14:40	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Nonane	70		44 - 148	09/01/11 07:42	09/01/11 14:40	1

Client Sample ID: B-2 6-7'

Date Collected: 08/29/11 10:20

Date Received: 08/30/11 08:30

Lab Sample ID: WUH0883-02

Matrix: Soil

Percent Solids: 93.8

Method: SW 8021 - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<27		110	27	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0
Ethylbenzene	<27		110	27	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0
Methyl tert-Butyl Ether	<27		110	27	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0
Naphthalene	<27		110	27	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0
Toluene	<27		110	27	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0
1,2,4-Trimethylbenzene	<27		110	27	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0
1,3,5-Trimethylbenzene	<27		110	27	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0
Xylenes, total	<80		320	80	ug/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		80 - 120	08/31/11 06:25	08/31/11 19:00	1.0

Method: WDNR GRO - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<2.1		5.3	2.1	mg/kg dry	☼	08/31/11 06:25	08/31/11 19:00	1.0

Client Sample Results

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Client Sample ID: B-2 6-7'

Lab Sample ID: WUH0883-02

Date Collected: 08/29/11 10:20

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 93.8

Method: 6010B Dry - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.9		0.50	0.24	mg/Kg dry	*	08/31/11 16:45	09/01/11 17:05	1

Method: WI-DRO Dry - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.7	J	3.8	1.4	mg/Kg dry	*	09/01/11 07:42	09/01/11 15:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Nonane	75		44 - 148	09/01/11 07:42	09/01/11 15:15	1

Client Sample ID: B-3 10-12'

Lab Sample ID: WUH0883-03

Date Collected: 08/29/11 10:50

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 96.2

Method: SW 8021 - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<26		100	26	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0
Ethylbenzene	<26		100	26	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0
Methyl tert-Butyl Ether	<26		100	26	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0
Naphthalene	<26		100	26	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0
Toluene	<26		100	26	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0
1,2,4-Trimethylbenzene	<26		100	26	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0
1,3,5-Trimethylbenzene	<26		100	26	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0
Xylenes, total	<78		310	78	ug/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		80 - 120	08/31/11 06:25	08/31/11 19:33	1.0

Method: WDNR GRO - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<2.1		5.2	2.1	mg/kg dry	*	08/31/11 06:25	08/31/11 19:33	1.0

Method: 6010B Dry - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		0.49	0.24	mg/Kg dry	*	08/31/11 16:45	09/01/11 17:11	1

Method: WI-DRO Dry - Wisconsin - Diesel Range Organics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.4	J	3.4	1.2	mg/Kg dry	*	09/01/11 07:42	09/01/11 15:51	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Nonane	70		44 - 148	09/01/11 07:42	09/01/11 15:51	1

Client Sample ID: B-1 6-8'

Lab Sample ID: WUH0883-04

Date Collected: 08/29/11 09:30

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 89.2

Method: SW 8021 - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<28		110	28	ug/kg dry	*	08/31/11 06:25	08/31/11 20:06	1.0
Ethylbenzene	<28		110	28	ug/kg dry	*	08/31/11 06:25	08/31/11 20:06	1.0

Client Sample Results

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Client Sample ID: B-1 6-8'

Lab Sample ID: WUH0883-04

Date Collected: 08/29/11 09:30

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 89.2

Method: SW 8021 - GC VOLATILES (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-Butyl Ether	<28		110	28	ug/kg dry	☉	08/31/11 06:25	08/31/11 20:06	1.0
Naphthalene	<28		110	28	ug/kg dry	☉	08/31/11 06:25	08/31/11 20:06	1.0
Toluene	<28		110	28	ug/kg dry	☉	08/31/11 06:25	08/31/11 20:06	1.0
1,2,4-Trimethylbenzene	<28		110	28	ug/kg dry	☉	08/31/11 06:25	08/31/11 20:06	1.0
1,3,5-Trimethylbenzene	<28		110	28	ug/kg dry	☉	08/31/11 06:25	08/31/11 20:06	1.0
Xylenes, total	<84		340	84	ug/kg dry	☉	08/31/11 06:25	08/31/11 20:06	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		80 - 120				08/31/11 06:25	08/31/11 20:06	1.0

Method: WDNR GRO - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<2.2		5.6	2.2	mg/kg dry	☉	08/31/11 06:25	08/31/11 20:06	1.0

Client Sample ID: Methanol Blank

Lab Sample ID: WUH0883-05

Date Collected: 08/29/11 00:00

Matrix: Soil

Date Received: 08/30/11 08:30

Method: SW 8021 - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
Ethylbenzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
Methyl tert-Butyl Ether	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
Naphthalene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
Toluene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
1,2,4-Trimethylbenzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
1,3,5-Trimethylbenzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
Xylenes, total	<75		300	75	ug/kg wet		08/31/11 06:25	08/31/11 17:20	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		80 - 120				08/31/11 06:25	08/31/11 17:20	1.0

Method: WDNR GRO - GC VOLATILES

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<2.0		5.0	2.0	mg/kg wet		08/31/11 06:25	08/31/11 17:20	1.0

Surrogate Summary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Method: SW 8021 - GC VOLATILES

Matrix: Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (80-120)
WUH0883-01	B-1 10-11'	99
WUH0883-02	B-2 6-7'	100
WUH0883-03	B-3 10-12'	100
WUH0883-04	B-1 6-8'	100
WUH0883-05	Methanol Blank	99

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: SW 8021 - GC VOLATILES

Matrix: Solid/Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (80-120)
11H0413-BLK1	Method Blank	100
11H0413-BS1	Lab Control Sample	99
11H0413-BSD1	Lab Control Sample Dup	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: WI-DRO Dry - Wisconsin - Diesel Range Organics (GC)

Matrix: Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C9 (44-148)
124295-3	Method Blank	81
124295-4	Lab Control Sample	79
124295-8	Lab Control Sample Dup	77
WUH0883-01	B-1 10-11'	70
WUH0883-02	B-2 6-7'	75
WUH0883-03	B-3 10-12'	70

Surrogate Legend

C9 = n-Nonane

QC Sample Results

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Method: SW 8021 - GC VOLATILES

Lab Sample ID: 11H0413-BLK1

Matrix: Solid/Soil

Analysis Batch: U001095

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11H0413_P

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00
Ethylbenzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00
Methyl tert-Butyl Ether	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00
Naphthalene	38.1	J	100	25	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00
Toluene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00
1,2,4-Trimethylbenzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00
1,3,5-Trimethylbenzene	<25		100	25	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00
Xylenes, total	<75		300	75	ug/kg wet		08/31/11 06:25	08/31/11 12:44	1.00

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	100		80 - 120	08/31/11 06:25	08/31/11 12:44	1.00

Lab Sample ID: 11H0413-BS1

Matrix: Solid/Soil

Analysis Batch: U001095

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11H0413_P

Analyte	Spike Added	LCS		Unit	D	% Rec	Limits
		Result	Qualifier				
Benzene	5000.0	4800		ug/kg		96	80 - 120
Ethylbenzene	5000.0	4650		ug/kg		93	80 - 120
Methyl tert-Butyl Ether	5000.0	4540		ug/kg		91	80 - 120
Naphthalene	5000.0	4180		ug/kg		84	80 - 120
Toluene	5000.0	4660		ug/kg		93	80 - 120
1,2,4-Trimethylbenzene	5000.0	4300		ug/kg		86	80 - 120
1,3,5-Trimethylbenzene	5000.0	4620		ug/kg		92	80 - 120
Xylenes, total	15000	13900		ug/kg		93	80 - 120

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	99		80 - 120

Lab Sample ID: 11H0413-BSD1

Matrix: Solid/Soil

Analysis Batch: U001095

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11H0413_P

Analyte	Spike Added	LCS Dup		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	RPD	
Benzene	5000.0	4710		ug/kg		94	80 - 120	2	20
Ethylbenzene	5000.0	4550		ug/kg		91	80 - 120	2	20
Methyl tert-Butyl Ether	5000.0	4580		ug/kg		92	80 - 120	0.8	20
Naphthalene	5000.0	4070		ug/kg		81	80 - 120	3	20
Toluene	5000.0	4620		ug/kg		92	80 - 120	0.9	20
1,2,4-Trimethylbenzene	5000.0	4070		ug/kg		81	80 - 120	6	20
1,3,5-Trimethylbenzene	5000.0	4420		ug/kg		88	80 - 120	5	20
Xylenes, total	15000	13600		ug/kg		91	80 - 120	2	20

Surrogate	LCS Dup		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		80 - 120

QC Sample Results

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Method: WDNR GRO - GC VOLATILES

Lab Sample ID: 11H0413-BLK1
Matrix: Solid/Soil
Analysis Batch: U001095

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11H0413_P

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics	<2.0		5.0	2.0	mg/kg wet		08/31/11 06:25	08/31/11 12:44	1.00

Lab Sample ID: 11H0413-BS1
Matrix: Solid/Soil
Analysis Batch: U001095

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11H0413_P

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Gasoline Range Organics	50.000	49.6		mg/kg		99	80 - 120	

Lab Sample ID: 11H0413-BSD1
Matrix: Solid/Soil
Analysis Batch: U001095

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11H0413_P

Analyte	Spike Added	LCS Dup		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	Limit	
Gasoline Range Organics	50.000	48.0		mg/kg		96	80 - 120	3	20

Method: 6010B Dry - Metals (ICP)

Lab Sample ID: 124360-17
Matrix: Soil
Analysis Batch: 124216

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 124216_P

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	<0.24		0.50	0.24	mg/Kg dry		08/31/11 16:45	09/01/11 15:48	1

Lab Sample ID: 124360-18
Matrix: Soil
Analysis Batch: 124216

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 124216_P

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Lead	10.0	10.4		mg/Kg dry		104	80 - 120	

Method: WI-DRO Dry - Wisconsin - Diesel Range Organics (GC)

Lab Sample ID: 124295-3
Matrix: Soil
Analysis Batch: 124263

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 124263_P

Analyte	Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	<1.5		4.0	1.5	mg/Kg dry		09/01/11 07:42	09/01/11 13:30	1

Surrogate	Blank		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
n-Nonane	81		44 - 148	09/01/11 07:42	09/01/11 13:30	1

QC Sample Results

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Method: WI-DRO Dry - Wisconsin - Diesel Range Organics (GC) (Continued)

Lab Sample ID: 124295-4				Client Sample ID: Lab Control Sample				
Matrix: Soil				Prep Type: Total				
Analysis Batch: 124263				Prep Batch: 124263_P				
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
Diesel Range Organics [C10-C28]	20.0	19.5		mg/Kg dry		97	70 - 120	

Surrogate	LCS % Recovery	LCS Qualifier	Limits
n-Nonane	79		44 - 148

Lab Sample ID: 124295-8				Client Sample ID: Lab Control Sample Dup						
Matrix: Soil				Prep Type: Total						
Analysis Batch: 124263				Prep Batch: 124263_P						
Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits		RPD	Limit
Diesel Range Organics [C10-C28]	20.0	19.2		mg/Kg dry		96	70 - 120		1	20

Surrogate	LCS Dup % Recovery	LCS Dup Qualifier	Limits
n-Nonane	77		44 - 148

QC Association Summary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

GC Volatiles

Analysis Batch: U001095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0413-BLK1	Method Blank	Total	Solid/Soil	WDNR GRO	11H0413_P
11H0413-BLK1	Method Blank	Total	Solid/Soil	SW 8021	11H0413_P
11H0413-BS1	Lab Control Sample	Total	Solid/Soil	WDNR GRO	11H0413_P
11H0413-BS1	Lab Control Sample	Total	Solid/Soil	SW 8021	11H0413_P
11H0413-BSD1	Lab Control Sample Dup	Total	Solid/Soil	WDNR GRO	11H0413_P
11H0413-BSD1	Lab Control Sample Dup	Total	Solid/Soil	SW 8021	11H0413_P
WUH0883-01	B-1 10-11'	Total	Soil	WDNR GRO	11H0413_P
WUH0883-01	B-1 10-11'	Total	Soil	SW 8021	11H0413_P
WUH0883-02	B-2 6-7'	Total	Soil	WDNR GRO	11H0413_P
WUH0883-02	B-2 6-7'	Total	Soil	SW 8021	11H0413_P
WUH0883-03	B-3 10-12'	Total	Soil	WDNR GRO	11H0413_P
WUH0883-03	B-3 10-12'	Total	Soil	SW 8021	11H0413_P
WUH0883-04	B-1 6-8'	Total	Soil	WDNR GRO	11H0413_P
WUH0883-04	B-1 6-8'	Total	Soil	SW 8021	11H0413_P
WUH0883-05	Methanol Blank	Total	Soil	WDNR GRO	11H0413_P
WUH0883-05	Methanol Blank	Total	Soil	SW 8021	11H0413_P

Prep Batch: 11H0413_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11H0413-BLK1	Method Blank	Total	Solid/Soil	*** DEFAULT PREP ***	
11H0413-BS1	Lab Control Sample	Total	Solid/Soil	*** DEFAULT PREP ***	
11H0413-BSD1	Lab Control Sample Dup	Total	Solid/Soil	*** DEFAULT PREP ***	
WUH0883-01	B-1 10-11'	Total	Soil	*** DEFAULT PREP ***	
WUH0883-02	B-2 6-7'	Total	Soil	*** DEFAULT PREP ***	
WUH0883-03	B-3 10-12'	Total	Soil	*** DEFAULT PREP ***	
WUH0883-04	B-1 6-8'	Total	Soil	*** DEFAULT PREP ***	
WUH0883-05	Methanol Blank	Total	Soil	*** DEFAULT PREP ***	

WetChem

Analysis Batch: 11I0021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I0021-DUP1	Duplicate	Total	Solid/Soil	SM 2540G	11I0021_P
WUH0883-01	B-1 10-11'	Total	Soil	SM 2540G	11I0021_P
WUH0883-02	B-2 6-7'	Total	Soil	SM 2540G	11I0021_P
WUH0883-03	B-3 10-12'	Total	Soil	SM 2540G	11I0021_P
WUH0883-04	B-1 6-8'	Total	Soil	SM 2540G	11I0021_P

Prep Batch: 11I0021_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I0021-DUP1	Duplicate	Total	Solid/Soil	% Solids	
WUH0883-01	B-1 10-11'	Total	Soil	% Solids	
WUH0883-02	B-2 6-7'	Total	Soil	% Solids	
WUH0883-03	B-3 10-12'	Total	Soil	% Solids	
WUH0883-04	B-1 6-8'	Total	Soil	% Solids	

QC Association Summary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

TCHI

Analysis Batch: 124173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
WUH0883-01	B-1 10-11'	Total	Soil	Moisture	124173_P
WUH0883-02	B-2 6-7'	Total	Soil	Moisture	124173_P
WUH0883-03	B-3 10-12'	Total	Soil	Moisture	124173_P

Analysis Batch: 124216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
124360-17	Method Blank	Total	Soil	6010B Dry	124216_P
124360-18	Lab Control Sample	Total	Soil	6010B Dry	124216_P
WUH0883-01	B-1 10-11'	Total	Soil	6010B Dry	124216_P
WUH0883-02	B-2 6-7'	Total	Soil	6010B Dry	124216_P
WUH0883-03	B-3 10-12'	Total	Soil	6010B Dry	124216_P

Analysis Batch: 124263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
124295-3	Method Blank	Total	Soil	WI-DRO Dry	124263_P
124295-4	Lab Control Sample	Total	Soil	WI-DRO Dry	124263_P
124295-8	Lab Control Sample Dup	Total	Soil	WI-DRO Dry	124263_P
WUH0883-01	B-1 10-11'	Total	Soil	WI-DRO Dry	124263_P
WUH0883-02	B-2 6-7'	Total	Soil	WI-DRO Dry	124263_P
WUH0883-03	B-3 10-12'	Total	Soil	WI-DRO Dry	124263_P

Prep Batch: 124173_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
WUH0883-01	B-1 10-11'	Total	Soil	NA	
WUH0883-02	B-2 6-7'	Total	Soil	NA	
WUH0883-03	B-3 10-12'	Total	Soil	NA	

Prep Batch: 124216_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
124360-17	Method Blank	Total	Soil	3050B	
124360-18	Lab Control Sample	Total	Soil	3050B	
WUH0883-01	B-1 10-11'	Total	Soil	3050B	
WUH0883-02	B-2 6-7'	Total	Soil	3050B	
WUH0883-03	B-3 10-12'	Total	Soil	3050B	

Prep Batch: 124263_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
124295-3	Method Blank	Total	Soil	WI DRO PREP	
124295-4	Lab Control Sample	Total	Soil	WI DRO PREP	
124295-8	Lab Control Sample Dup	Total	Soil	WI DRO PREP	
WUH0883-01	B-1 10-11'	Total	Soil	WI DRO PREP	
WUH0883-02	B-2 6-7'	Total	Soil	WI DRO PREP	
WUH0883-03	B-3 10-12'	Total	Soil	WI DRO PREP	

Lab Chronicle

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Client Sample ID: B-1 10-11'

Lab Sample ID: WUH0883-01

Date Collected: 08/29/11 09:40

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	*** DEFAULT PREP ***		1.0	11H0413_P	08/31/11 06:25	ABA	TAL WT
Total	Analysis	WDNR GRO		1.0	U001095	08/31/11 18:26	ABA	TAL WT
Total	Analysis	SW 8021		1.0	U001095	08/31/11 18:26	ABA	TAL WT
Total	Prep	% Solids		1.0	11I0021_P	09/01/11 09:45	SJF	TAL WT
Total	Analysis	SM 2540G		1.0	11I0021	09/02/11 16:23	SJF	TAL WT
Total	Prep	3050B			124216_P	08/31/11 16:45		TAL CHI
Total	Analysis	6010B Dry		1	124216	09/01/11 16:44	TDS	TAL CHI
Total	Analysis	Moisture		1	124173	08/31/11 12:39	CMV	TAL CHI
Total	Prep	NA			124173_P	08/31/11 12:39		TAL CHI
Total	Prep	WI DRO PREP			124263_P	09/01/11 07:42		TAL CHI
Total	Analysis	WI-DRO Dry		1	124263	09/01/11 14:40	BDM	TAL CHI

Client Sample ID: B-2 6-7'

Lab Sample ID: WUH0883-02

Date Collected: 08/29/11 10:20

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	*** DEFAULT PREP ***		1.0	11H0413_P	08/31/11 06:25	ABA	TAL WT
Total	Analysis	WDNR GRO		1.0	U001095	08/31/11 19:00	ABA	TAL WT
Total	Analysis	SW 8021		1.0	U001095	08/31/11 19:00	ABA	TAL WT
Total	Prep	% Solids		1.0	11I0021_P	09/01/11 09:45	SJF	TAL WT
Total	Analysis	SM 2540G		1.0	11I0021	09/02/11 16:23	SJF	TAL WT
Total	Prep	3050B			124216_P	08/31/11 16:45		TAL CHI
Total	Analysis	6010B Dry		1	124216	09/01/11 17:05	TDS	TAL CHI
Total	Analysis	Moisture		1	124173	08/31/11 12:39	CMV	TAL CHI
Total	Prep	NA			124173_P	08/31/11 12:39		TAL CHI
Total	Prep	WI DRO PREP			124263_P	09/01/11 07:42		TAL CHI
Total	Analysis	WI-DRO Dry		1	124263	09/01/11 15:15	BDM	TAL CHI

Client Sample ID: B-3 10-12'

Lab Sample ID: WUH0883-03

Date Collected: 08/29/11 10:50

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	*** DEFAULT PREP ***		1.0	11H0413_P	08/31/11 06:25	ABA	TAL WT
Total	Analysis	WDNR GRO		1.0	U001095	08/31/11 19:33	ABA	TAL WT
Total	Analysis	SW 8021		1.0	U001095	08/31/11 19:33	ABA	TAL WT
Total	Prep	% Solids		1.0	11I0021_P	09/01/11 09:45	SJF	TAL WT
Total	Analysis	SM 2540G		1.0	11I0021	09/02/11 16:23	SJF	TAL WT
Total	Prep	3050B			124216_P	08/31/11 16:45		TAL CHI
Total	Analysis	6010B Dry		1	124216	09/01/11 17:11	TDS	TAL CHI
Total	Analysis	Moisture		1	124173	08/31/11 12:39	CMV	TAL CHI
Total	Prep	NA			124173_P	08/31/11 12:39		TAL CHI
Total	Prep	WI DRO PREP			124263_P	09/01/11 07:42		TAL CHI
Total	Analysis	WI-DRO Dry		1	124263	09/01/11 15:51	BDM	TAL CHI

Lab Chronicle

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Client Sample ID: B-1 6-8'

Lab Sample ID: WUH0883-04

Date Collected: 08/29/11 09:30

Matrix: Soil

Date Received: 08/30/11 08:30

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	*** DEFAULT PREP ***		1.0	11H0413_P	08/31/11 06:25	ABA	TAL WT
Total	Analysis	WDNR GRO		1.0	U001095	08/31/11 20:06	ABA	TAL WT
Total	Analysis	SW 8021		1.0	U001095	08/31/11 20:06	ABA	TAL WT
Total	Prep	% Solids		1.0	11I0021_P	09/01/11 09:45	MMM	TAL WT
Total	Analysis	SM 2540G		1.0	11I0021	09/02/11 07:32	MMM	TAL WT

Client Sample ID: Methanol Blank

Lab Sample ID: WUH0883-05

Date Collected: 08/29/11 00:00

Matrix: Soil

Date Received: 08/30/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	*** DEFAULT PREP ***		1.0	11H0413_P	08/31/11 06:25	ABA	TAL WT
Total	Analysis	WDNR GRO		1.0	U001095	08/31/11 17:20	ABA	TAL WT
Total	Analysis	SW 8021		1.0	U001095	08/31/11 17:20	ABA	TAL WT

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708) 534-5200

TAL WT = TestAmerica Watertown, 1101 Industrial Drive, Suites 9 & 10, Watertown, WI 53094, TEL 800-833-7036

Certification Summary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Watertown		WI Dept of Agriculture (Micro)		105-266
TestAmerica Watertown	Illinois	NELAC	5	100453
TestAmerica Watertown	Minnesota	NELAC	5	055-999-366
TestAmerica Chicago	ACLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Method	Method Description	Protocol	Laboratory
SW 8021	GC VOLATILES		TAL WT
WDNR GRO	GC VOLATILES		TAL WT
SM 2540G	General Chemistry Parameters		TAL WT
6010B Dry	Metals (ICP)		TAL CHI
Moisture	Percent Moisture		TAL CHI
WI-DRO Dry	Wisconsin - Diesel Range Organics (GC)		TAL CHI

Protocol References:

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708) 534-5200

TAL WT = TestAmerica Watertown, 1101 Industrial Drive, Suites 9 & 10, Watertown, WI 53094, TEL 800-833-7036

Sample Summary

Client: MSA Professional Services Inc.
Project/Site: 218043

TestAmerica Job ID: WUH0883

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
WUH0883-01	B-1 10-11'	Soil	08/29/11 09:40	08/30/11 08:30
WUH0883-02	B-2 6-7'	Soil	08/29/11 10:20	08/30/11 08:30
WUH0883-03	B-3 10-12'	Soil	08/29/11 10:50	08/30/11 08:30
WUH0883-04	B-1 6-8'	Soil	08/29/11 09:30	08/30/11 08:30
WUH0883-05	Methanol Blank	Soil	08/29/11 00:00	08/30/11 08:30

WUHO883

TestAmerica

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

THE LEADER IN ENVIRONMENTAL TESTING
Client Name

M.S.A. Professional Services Client #:

Address: 1230 South Blvd.
City/State/Zip Code: Baraboo, WI 53913
Project Manager: Jayne Englebert
Telephone Number: 608-355-8860 Fax: 608-356-2771
Sampler Name: (Print Name) Jayne Englebert
Sampler Signature: Jayne Englebert

E-mail address: jenglebert@msa-ps.com

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring

Project Name: Ziemann Property
Project #: 210043
Site/Location ID: _____ State: WI
Report To: Jayne Englebert
Invoice To: Jayne Englebert
Quote #: _____ PO#: _____

TAT	Standard	Date Sampled	Time Sampled	Matrix	Preservation & # of Containers	Analyze For:	QC Deliverables	REMARKS
	<input checked="" type="checkbox"/> Rush (surcharges may apply)						None Level 2 (Batch QC) Level 3 Level 4 Other: _____	
	Date Needed: 9-2-2011							
	Fax Results: Y N							
	E-mail: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N							
	SAMPLE ID							
01	B-1 10-11	8-29-11	946	G N S	2oz glass None Methanol H ₂ SO ₄ NaOH HCl HNO ₃	DRD		
02	B-2 6-7	"	1020	G N S	2oz glass, pres None Methanol H ₂ SO ₄ NaOH HCl HNO ₃	Lead		
03	B-3 10-12	"	1050	G N S				
04	B-1 6-8	"	930	G N S				
05	Methanol Blank							

Special Instructions:	Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	Jayne Englebert	8-25-	12:10 pm	Log Way	8/30/11	8:30

LABORATORY COMMENTS: 31°C
 Init Lab Temp: _____
 Rec Lab Temp: _____
 Custody Seals: Y N/A
 Bottles Supplied by TestAmerica: N
 Method of Shipment: Dunkin

Cooler Receipt Log

Work Order(s): WUHO883 Client Name/Project: MSA # of Coolers: 1

1. How did samples arrive? Dunham Fed-Ex UPS TestAmerica Client USPS Speedy _____

Date/time cooler was opened: 8/30/11 8:30 By: ROY W TEMP. 31°C

2. Were custody seals intact, signed and dated correctly?..... Intact Broken NA
3. TAT (Turn Around Time) SUBCONTRACTED HOLD STANDARD RUSH
4. Were samples on ice?..... Yes No Water Ice & Water
5. Bottles supplied by Test America? Yes No
6. Number of containers are noted on COC (Chain of Custody) ?..... Yes No
7. Matrix is identified on COC ? Yes No
8. Did all sample containers arrive in good condition?..... OK Broken Frozen Slushy
- BOD Bacteria _____
9. Are there any short hold time tests? (48hrs or less)..... No Yes
- Past Hold?..... No Yes

24 hours or less	48 hours	7 days
Coliform Bacteria	BOD	Aqueous Organic Prep
Fecal (orange)	CBOD	BNA 8270
Total Bacteria (blue)	Nitrite NO2	DRO (HCL amber)
MPN Bacteria (black)	Nitrate NO3	Herbs
SPC (Standard Plate Count - yellow)	OrthoPhosphate or	PAH (NT amber)
HPC (Hydrophilic Plate Count - yellow)	OrthoPhosphorus	PCBs
T. Residual Chlorine (NT bottle)	Surfactants (MBAS)	Pest/PCBs
CR3 or CR6 (Hex Chromium VI - NT bottle)	Sulfite	PNA
Dissolved Oxygen (DO)	Turbidity	TS (Total Solids)
		TDS
		TSS (Total Suspended Solids)
		Sulfide
		Volatile Solids

10. Ops Mgr, PM or Analyst informed of short hold?..... Who _____ When _____
11. Other than short hold test , were any samples within 2 days of their hold date No Yes
- Or past their expiration of hold time No Yes
12. Is the date and time of collection recorded on COC? Date Yes No on the containers Yes No
- Time..... Yes No on the containers Yes No
13. Are dissolved parameters field filtered or being filtered in the lab?..... Field Lab NA
14. Are sample volumes adequate and preservatives correct for test requested? Vol... Yes No
- Preservatives.... Yes No
15. Were correct containers used for the analysis requested?..... Yes No
16. Do VOC samples have air bubbles >6mm?..... No Yes NA
17. Is an aqueous Trip Blank included?..... Yes No NA
18. If received, how were DRO soil samples received?..... Weighed glass jar Packed jar
19. Is a Methanol Trip Blank included?..... Yes glass jar vial No NA
20. How were VOC soils received? Methanol Sodium Bisulfate Packed Jar Encore Other Water (see options*)
- * Within 48hrs of sampling Past 48hrs of sampling Frozen Not Frozen
21. Were all sample containers received and match the Sample IDs listed on COC?..... Yes No

If any changes are made to this Work Order after Login, or if comments must be made regarding this cooler, explain them below:
