State of Wisconsin DEPARTMENT OF NATURAL RESOURCES 3911 Fish Hatchery Rd Fitchburg, Wi 53711 Tony Evers, Governor Preston D. Cole, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



January 22, 2020

Samuel Miller 33832 Hwy 154 Hillpoint, WI 53937

RE: **Public Bidding Deferred – Cost Cap Approved**

PECFA # 53937-7309-32-A DNR BRRTS # 03-53-554361 Robert & Teresa Rizzo Property, 33832 State HWY 154, Hillpoint

On January 15, 2020, the Wisconsin Department of Natural Resources (Department) received a scope of work (SOW) and cost estimate utilizing the chapter NR 747, Wisconsin Administrative Code, Usual and Customary Cost Schedule (Cost Schedule) for the site referenced above.

The Department has determined that the submitted SOW is reasonable and **approves** the additional costs. This site will be deferred from the public bidding process at this time. The Department will contact you if this site will be bid in the future.

Costs associated with a Closure Request are approved. A copy of the Department worksheet for the Cost Schedule tasks is enclosed for your reference.

Deferment Cost Cap Approved:

\$4,303.83

Be reminded that ch. NR 700 semi-annual progress reporting is required until this case is closed.

Note: A claim for PECFA reimbursement must be submitted within 180 days of incurring costs (i.e., completing a task). If a claim for costs incurred is not submitted within this deadline, the costs will not be eligible for PECFA reimbursement.

Usual and customary costs for activities included in this approval will only be reimbursed at a rate equal to or less than what is allowed on the Cost Schedule and are reimbursed based upon the Cost Schedule that is in effect at the time the activity is performed. Costs for activities not included in this approval are not reimbursable without prior Department authorization.

Regulatory Correspondence (Task 7, Activity RC05), Claim Submittal (Task 27, Activity CS05) and Standardized Invoice (Task 28, Activity SI05) costs are not included in the cap approved above. These activities will be reimbursed according to the task specifications and with proper supporting documentation submitted with the PECFA claim.

The Department considers the consultant the primary controller of costs during these activities. This approval does not guarantee eligibility of any specific costs that have been incurred or that may be incurred in the future. Final determination regarding the eligibility of costs will be made by the claim reviewer when the entire claim, including all invoices and reports, is submitted for payment.



Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 275-3224.

Sincerely,

Cartoline Ri-

Caroline Rice Hydrogeologist Remediation and Redevelopment Program

Enclosure: Usual and Customary Cost Schedule Worksheet

cc: Robyn Seymour, 53558 Seymour Environmental Services Inc, P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin

Usual and Customary Standardized Invoice #27 January 2020 - June 2020



PECFA #:	53937-7309-32	Vendor Name:	Seymour		
BRRTS #:	03-53-554361	Invoice #:	Budget Request - Closure	U&C Total \$	4,303.83
Site Name:	Rizzo Property	Invoice Date:		Variance to U&C Total \$	-
Site Address:	33832 Highway 154, Hillpoint	Check #:		Grand Total \$	4,303.83

TASK	TASK DESCRIPTION SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	N	MAX UNIT COST UNITS		TOTAL MAX
5	Closure Request	CR05	Primary Closure Request	Submittal	\$	2,781.00	1	\$ 2,781.00
5	Closure Request	CR30	PE review and certification of closure packet	Site	\$	1,129.60	1	\$ 1,129.60
36	Change Order Request	COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$	393.23	1	\$ 393.23

SEYMOUR ENVIROMMENTAL SERVICES, INC.

JAN 15 2020

P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin 53558 Telephone: 608-838-9120

January 9, 2020

Ms. Caroline Rice Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Madison, Wisconsin 53711

Re: Budget Request-Closure Request Preparation Sam Miller Property Hillpoint, Wisconsin 53937

Dear Caroline,

I am requesting additional budget to prepare an unconditional closure request for the above referenced site. No soil contamination remained in the soil confirmation samples after the remediation and the groundwater from the water supply well was not impacted. Our cost request totals \$4,303.83.

Please call me at 608-838-9120 or 608-225-9407 if you have any questions regarding this matter.

Sincerely, Seymour Environmental Services, Inc.

Kokyn Lyniow

Robyn Seymour, P.G. Hydrogeologist

Enclosures:

U&C Invoice

Usual and Customary Standardized Invoice #26 July 2019 - December 2019



PECFA #: 539	937-7309-32	Vendor Name:	Seymour		
BRRTS #: 03-	-53-554361	Invoice #:	Budget Request-Closure	U&C Total \$	4,303.83
Site Name: Rizz	zo Property	Invoice Date:		Variance to U&C Total \$	-
Site Address: 338	832 Highway 154, Hillpoint	Check #:		Grand Total \$	4,303.83

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	N	IAX UNIT COST UNIT	5		TOTAL MAX
5	Closure Request		CR05	Primary Closure Request	Submittal	\$	2,781.00		1 \$	2,781.00
5	Closure Request		CR30	PE review and certification of closure packet	Site	\$	1,129.60		1 \$	1,129.60
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$	393.23	1	1 \$	393.23

SEYMOUR ENVIRONMENTAL SERVICES, INC.

P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin 53558 Telephone: 608-838-9120

March 18, 2019

PECFA ID#: 53937-7309-32 BRRTS: #03-53-554361

Jon Heberer Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Madison, Wisconsin 53711

Re: Sam Miller/Rizzo Farm 33832 Highway 154 Hillpoint, WI 53937

Dear Mr. Heberer:

We are requesting budget to conduct a remedial excavation at the above referenced site. The total budget request is for \$67,567.54. This includes items on the U&C Schedule as well as a variance for the remedial excavation costs.

During the assessment soils with petroleum-related contamination exceeding RCLs were identified over a relatively small area (~1,000 square feet). The contaminated soils extended from ~5 to 39 feet below grade. However, contaminant levels declined sharply in soils deeper than 25 feet and only benzene was present above the groundwater pathway RCLs in the soils below 25 feet. Because of this we plan to excavate soil at the site to a depth of ~25 feet. The proposed remediation includes excavation of 1,000 tons of contaminated soil and around 400 tons of clean overburden.

Prior to beginning the soil remediation we need to visit the site and collect several additional soil samples. The landfill (Advanced Waste-Cranberry Creek) is requiring GRO analytical data from 2 more soil samples because of the volume of contaminated soil that we plan to remove. We anticipate going to the site with a GeoprobeTM to collect these samples within the next month so that profiling for the contaminated soil can be completed. Since we have not exceeded the \$20,000 site investigation cap I am not including the costs for this sampling in the attached budget request.

Soil Remediation Budget

The total costs related to the contaminated soils remediation are \$64,752.28. This includes the contracting costs for the remedial excavation, disposal, and backfilling (details of the variance are tabulated below). The cost related to handling the clean overburden are separated in the summary table for your information/convenience.

Jon Heberer WDNR-R&R March 18, 2019 Page 2

ITEM	Amount	Unit Cost	Total
Contractor Mobilization	1	\$3,950	\$ 3,950
Contaminated Soil Excavation/Hauling	1,000 ton	\$19.55	\$ 19,550
Contaminated Soil Disposal	1,000 ton	\$23.00	\$23,000
Excavation Backfill/Compact	1,000 ton	\$11.50	\$11,500
Clean Overburden Excavation	400 ton	\$2.50	\$ 1,000
Backfilling of the Overburden	400 ton	\$2.50	\$ 1,000
	Total Cor	nmodity Costs	\$60,000
Consultant Oversight (contaminated)	50 hours	91.39	\$ 4,569.50
Consultant Oversight (overburden)	2 hours	91.39	\$ 182.78
	Total Co	onsultant Costs	\$4,752.28
	Total Rei	mediation Cost	\$64,752.28

The costs related to the proposed soil remediation are consistent with the approvable rates outlined in the PECFA U&C invoice table for limited soil excavations. The requested contracting cost is \$60/ton which is the same as in the U&C table. The requested consulting cost is \$4.75/ton. This is slightly less than the \$4.94 consultant cost in the U&C table. The cost to conduct the soil remediation at the site are slightly higher than would be typical for an excavation of the proposed size. The higher costs result from a remote location of the property. The nearest landfill that will take the contaminated soil is in Wisconsin Rapids which is about 90 miles away and will take over 2 hours to travel one way.

All of the other activities needed to conduct the soil remediation can be completed for the U&C rates. These include consultant mob/demob, confirmation soil sample analysis, preparation of a report, per diem and a cost request. Additionally, the costs to collect and analyze another sample from the private water supply well are included in the U&C table. The total U&C cost is \$2,815.26.

Please call me if you have any questions at 608-838-9120 or 608-225-9407 (cell).

Sincerely, Seymour Environmental Services, Inc.

Robin Sunow

Robyn Seymour Hydrogeologist

Attachment: U&C Cost Schedule Proposed Remedial Excavation Map Contractor Bid (WD Navis Excavating)

Usual and Customary Standardized Invoice #25 January 2019 - June 2019



PECFA #:	53937-7309-32	Vendor Name:	Seymo
BRRTS #:	03-53-554361	Invoice #:	Cost F
Site Name:	Rizzo Property	Invoice Date:	
Site Address:	33832 Highway 154, Hillpoint	Check #:	

 Invoice #:
 Cost Request
 U&C Total
 \$ 2,815.26

 voice Date:
 Variance to U&C Total
 \$ 64,752.28

 Check #:
 Grand Total
 \$ 67,567.54

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	/ITY ACTIVITY REFERENCE CODE DESCRIPTION			MAX UNIT COST	UNITS		TOTAL MAX
1	GW Sampling		GS05	Sample Collection	Well	\$	72.45		1 \$	72.45
1	GW Sampling		GS06	Sample Collection in well w/LNAPL	Well \$ 87.45		\$	-		
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	\$	\$ 47.67		\$	-
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	\$	26.25		\$	-
1	GW Sampling		GS20	Measure Water Levels (for wells not being sampled)	Well	\$	\$ 14.70		\$	-
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 690.92			\$	-
1	GW Sampling		GS30	Temporary Well Abandonment	Well	\$	26.99		\$	-
2	O & M Reporting		OMR05	Semi-Annual GW Monitoring (Form 4400-194)	Report	\$	823.73		\$	-
2	O & M Reporting		OMR10	Semi-Annual GW Monitoring (Form 4400-194) with LNAPL Removal per RR-628	Report	\$	1,040.45		\$	-
3	LNAPL Assessment & Removal		LAR06	LNAPL Sample Collection (1 per site, unless otherwise direct	Site	\$	68.25		\$	-
3	LNAPL Assessment & Removal		LAR10	Primary Mob/Demob	Site	\$	569.88		\$	-
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$	137.13		\$	-
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$	42.11		\$	-
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$	108.15		\$	-
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST					
4	Waste Disposal	Commodity	WD20	Free Product	Drum	\$	118.76		\$	-
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$	316.47		\$	-
5	Closure Request		CR05	Primary Closure Request	Submittal	\$	2,700.00		\$	-
5	Closure Request		CR15	Continuing Obligation Packet Submittal (For Source Property	Packet	\$	507.36		\$	-
5	Closure Request		CR20	Continuing Obligation Packet Submittal (For off-site Propertie	Per Additional Property	\$	222.71		\$	-
5	Closure Request		CR25	Closure Request Concurrent with SIR	Submittal	\$	1,250.00		\$	-
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$	1,039.29		1 \$	1,039.29

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	M	AX UNIT COST UNITS	TOTAL MAX
7	Regulatory Correspondence		RC05	Regulatory Correspondence	Letter/Status Update	\$	128.94	\$ -
8	Well Abandonment	Consultant	WAB05	Coordination	Site	\$	162.86	\$ -
8	Well Abandonment	Consultant	WAB10	Water column < 30 ft	Ft	\$	2.52	\$ -
8	Well Abandonment	Consultant	WAB15	Water column > 30 ft (requires pumping [s. NR 141.25 (2) (d)]	Ft	\$	8.82	\$ -
8	Well Abandonment	Consultant	WAB20	Bentonite Pellets (50lb bag - 1/4" pellet)	Bag	\$	10.82	\$ -
8	Well Abandonment	Consultant	WAB25	Portland Cement (94lb bag)	Bag	\$	8.19	\$ -
8	Well Abandonment	Consultant	WAB30	Primary Mob/Demob	Site	\$	398.48	\$ -
8	Well Abandonment	Consultant	WAB31	Primary Mob/Demob w/ vapor point abandonment	Site	\$	563.48	\$ -
8	Well Abandonment	Consultant	WAB32	Vapor Point Abandonment	Point	\$	81.58	\$ -
8	Well Abandonment	Commodity	WAB35	Well Abandonment Mob/Demob	Site	\$	453.81	\$ -
8	Well Abandonment	Commodity	WAB40	Well Abandonment (2 inch)	Ft	\$	5.57	\$ -
8	Well Abandonment	Commodity	WAB45	Well Abandonment (4 inch)	Ft	\$	6.51	\$ -
8	Well Abandonment	Commodity	WAB50	Well Abandonment (6 inch)	Ft	\$	7.98	\$ -
9	Investigation Workplan Preparation		IWP05	Investigation Workplan Preparation	Report	\$	1,451.63	\$ -
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	\$	117.18	\$ -
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$	110.15	\$ -
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	\$	1,171.70	\$ -
11	Potable Well Field Reconnaissance		PWFR05	Potable Well Field Reconnaissance	Site	\$	583.50	\$ -
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$	5.36	\$ -
12	Direct Push	Consultant	DP10	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$	5.99	\$ -
12	Direct Push	Consultant	DP15	GW Profiling (No Soil Sampling)	Ft	\$	2.31	\$ -
12	Direct Push	Consultant	DP20	GW Sample Collection	Each	\$	36.10	\$ -
12	Direct Push	Consultant	DP25	Temporary Well Installation	Each	\$	49.90	\$ -
12	Direct Push	Consultant	DP30	Primary Mob/Demob	Site	\$	563.31	\$ -
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$	6.93	\$ -
12	Direct Push	Commodity	DP40	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$	9.03	\$ -
12	Direct Push	Commodity	DP45	GW Profiling (no soil sampling)	Ft	\$	6.51	\$ -
12	Direct Push	Commodity	DP50	GW Sample Collection (cost for tubing)	Ft	\$	0.42	\$ -
12	Direct Push	Commodity	DP55	Expendable Drive Point	Each	\$	14.49	\$ -
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$	1.26	\$ -
12	Direct Push	Commodity	DP65	Concrete Penetration	Each	\$	20.10	\$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST UNITS	TOTAL MAX
12	Direct Push	Commodity	DP70	GW Sample Collection	Each	\$ 39.27	\$ -
12	Direct Push	Commodity	DP75	Temporary Well Installation	Ft	\$ 5.25	\$ -
12	Direct Push	Commodity	DP80	Mob/Demob (Includes decon)		\$ 578.66	\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs	Ft	\$ 5.67	\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR15	51 - 75 ft bgs	Ft	\$ 7.30	\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 652.34	\$ _
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR25	Consultant Oversight	Ft	\$ 1.58	\$ -
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR30	Primary Mob/Demob	Site	\$ 555.68	\$ -
13.c	Drilling In Bedrock	Consultant	DR35	Consultant Oversight	Ft	\$ 6.20	\$ -
13.c	Drilling In Bedrock	Consultant	DR40	Primary Mob/Demob	Site	\$ 652.34	\$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	\$ 16.70	\$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs	Ft	\$ 18.38	\$ -
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR55	51 - 75 ft bgs	Ft	\$ 21.53	\$ -
13.e	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Commodity	DR60	Drilling in Unconsolidated Soils	Ft	\$ 11.97	\$ -
13.f	Drilling In Bedrock	Commodity	DR65	Drilling in Bedrock	Ft	\$ 33.18	\$ -
13.f	Drilling In Bedrock	Commodity	DR70	Bedrock Drilling Setup Charge	Each	\$ 162.02	\$ -
13.f	Drilling In Bedrock	Commodity	DR75	Air Compressor	Day	\$ 426.41	\$ -
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89	\$ -
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	\$ 2.73	\$ -
14	Monitoring Well Installation	Commodity	MWI 15	2 inch PVC Casing	Ft	\$ 16.70	\$ -
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	\$ -
14	Monitoring Well Installation	Commodity	MWI25	Mob/Demob (For development of grout or slurry sealed wells	Site	\$ 603.49	\$ -
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob		\$ 1,059.72	\$ -
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$ 202.65	\$ -
15	Misc. Drilling Activities & Supplies		MDT15	Stickup Well Cover	Each	\$ 163.91	\$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS		TOTAL MAX
15	Misc. Drilling Activities & Supplies		MDT20	Bumper Guard Posts	Each	\$ 69.30		\$	-
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13		\$	-
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$ 203.28		\$	-
15	Misc. Drilling Activities & Supplies		MDT30	Well Repair	Well	\$ 84.42		\$	-
15	Misc. Drilling Activities & Supplies		MDT35	Borehole Abandonment	Foot	\$ 5.46		\$	-
15	Misc. Drilling Activities & Supplies		MDT40	Concrete Penetration	Each	\$ 72.87		\$	-
15	Misc. Drilling Activities & Supplies		MDT41	Private Utility Locate	ACTUAL COST			\$	-
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$ 7.98		\$	-
16	Hand Auger Boring		HA05	Hand Augering	Boring	\$ 89.99		\$	-
16	Hand Auger Boring		HA10	Primary Mob/Demob	Site	\$ 611.12		\$	-
17	Surface Soil/Sediment/Water Sampling		SSWS05	Sampling	Sample Location	\$ 21.53		\$	-
17	Surface Soil/Sediment/Water Sampling		SSWS10	Primary Mob/Demob	Site	\$ 497.70		\$	-
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	\$ 58.59		\$	-
19	Hydraulic Conductivity Testing		HCT10	Primary Mob/Demob	Site	\$ 718.07		\$	-
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	\$ 246.12		\$	-
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee				
21	Access Agreements		AA05	Access Agreements	Property	\$ 401.94		\$	-
22	Soil Investigation Report		SIR05	Soil Investigation Report	Report	\$ 3,330.92		\$	-
23	Soil And GW Investigation Report		SGIR05	Soil and GW Investigation Report	Report	\$ 4,965.35		\$	-
24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	\$ 4.94		\$	-
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	\$ 915.11		1\$	915.11
24	Limited Soil Excavation	Commodity	LSE13	Laboratory (see task 24 total on Lab Schedule)	Lab Schedule			6\$	216.12
24	Limited Soil Excavation	Commodity	LSE15	Limited Soil Excavation	Ton	\$ 60.00		\$	-
24	Limited Soil Excavation	Commodity	LSE16	Landfill Environmental Fee (provide documentation)	ACTUAL COST				
25	Remediation System Shut Down		SSD05	Permanent	Site	\$ 1,095.47		\$	-
25	Remediation System Shut Down		SSD10	Temporary	Site	\$ 329.28		\$	-
25	Remediation System Shut Down		SSD15	Primary Mob/Demob	Site	\$ 520.91		\$	-
27	Claim Submittal		CS05	Claim Submittal	Claim	\$ 585.90		\$	-
28	Standardized Invoice		SI05	Standardized Invoice	Invoice	\$ 17.64		\$	-
30	Meeting With Regulators		MR05	Meeting with Regulators	Meeting	\$ 349.23		\$	-
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$ 125.09		4 \$	500.36

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	Y ACTIVITY REFERENCE CODE DESCRIPTION		MA) C	X UNIT OST	JNITS	
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule				\$ 71.93
34	Consultant Incremental Mob/Demob	Consultant Incremental IMD05 Mob/Demob		Incremental Mob/Demob	Site	\$	287.18		\$ -
35	Cap Maintenance Plan CM		CMP05	Cap Maintenance Plan	Plan	\$	320.04		\$ -
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$	381.78		\$ -
37	Vapor Point Installation & Sampling	I	VIS05	Installation & Sampling (up to 5 points)	Point	\$	510.26		\$ -
37	Vapor Point Installation & Sampling	1	VIS10	Mob/Demob (up to 5 points)	Site	\$	813.95		\$ -
Variance	Soil Remediation Commodity		Soil Excavation, hauling, tipping fees, backfill					\$ 60,000.00	
Variance	Soil Remediation Consulting			Excavation Oversight					\$ 4,752.28

Usual and Customary Standardized Invoice #25 January 2019 - June 2019



		TOTAL LAB CHARGES	######	TASK 33	1	\$71.93	TASK 24	6	<mark>\$2</mark> 16.12
MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	\$ 44.94		\$ -			
AIR	A2	BETX	SAMPLE	\$ 49.46		\$ -			
AIR	A3	GRO	SAMPLE	\$ 46.10		\$ -			
AIR	A4	VOC's	SAMPLE	\$ 71.93	1	\$ 71.93			
WATER	W1	GRO/PVOC	SAMPLE	\$ 29.19		\$ -			
WATER	W2	PVOC	SAMPLE	\$ 26.99		\$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	\$ 43.79		\$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	\$ 30.35		\$ -			
WATER	W5	VOC	SAMPLE	\$ 71.93		\$ -			
WATER	W6	PAH	SAMPLE	\$ 72.98		\$ -			
WATER	W7	Lead	SAMPLE	\$ 12.39		\$ -			
WATER	W8	Cadmium	SAMPLE	\$ 13.55		\$ -			
WATER	W9	Hardness	SAMPLE	\$ 12.39		\$ -			
WATER	W10	BOD, Total	SAMPLE	\$ 23.63		\$ -			
WATER	W11	Nitrate	SAMPLE	\$ 11.24		\$ -			
WATER	W12	Total Kjeldahl	SAMPLE	\$ 20.27		\$ -			
WATER	W13	Ammonia	SAMPLE	\$ 16.91		\$ -			
WATER	W14	Sulfate	SAMPLE	\$ 10.19		\$ -			
WATER	W15	Iron	SAMPLE	\$ 10.19		\$ -			
WATER	W16	Manganese	SAMPLE	\$ 10.19		\$ -			
WATER	W17	Alkalinity	SAMPLE	\$ 10.19		\$-			
WATER	W18	methane	SAMPLE	\$ 46.10		\$ -			
WATER	W19	Phosphorous	SAMPLE	\$ 18.06		\$-			
WATER	W20	VOC Method 524.2	SAMPLE	\$ 176.30		\$ -			
WATER	W21	EDB Method 504	SAMPLE	\$ 95.45		\$ -	MAX COST	SAMPLES	TOTAL
SOILS	S1	GRO	SAMPLE	\$ 24.78		\$ -	\$ 24.78		\$ -
SOILS	S2	DRO	SAMPLE	\$ 30.35		\$ -	\$ 30.35		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$ -	\$ 28.14		\$ -
SOILS	S4	PVOC	SAMPLE	\$ 25.83		\$ -	\$ 25.83		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$ -	\$ 49.46		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02		\$ -	\$ 36.02	6	\$ 216.12
SOILS	S7	VOC	SAMPLE	\$ 71.93		\$ -	\$ 71.93		\$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	\$ 50.61		\$ -	\$ 50.61		\$ -
SOILS	S9	PAH	SAMPLE	\$ 72.98		\$ -	\$ 72.98		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.39		\$ -	\$ 12.39		\$ -

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS		MAX COST	SAMPLES	TOTAL	MAX COST SAMPLES	TOTAL
COIL C	C11		SAMDIE	¢	14.60	N. S. S. H.	¢	TASK 24 TOTAL	216 12
SOILS	511		SAMPLE	\$	14.00		φ - ¢	TASK 24 TOTAL \$	210.12
SOILS	512	Free Liquid	SAMPLE	¢.	11.24		ф -		
SOILS	513	Flash Point	SAMPLE	3	25.83		ф -		
SOILS	S14	Grain Size - dry	SAMPLE	\$	42.74		> -		
SOILS	S15	Grain Size - wet	SAMPLE	\$	57.33		\$ -		
SOILS	S16	Bulk Density	SAMPLE	\$	13.55		\$ -		
SOILS	S17	Permeability	SAMPLE	\$	41.58		\$ -		
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$	20.27		\$ -		
SOILS	S19	Nitrogen as Ammonia	SAMPLE	\$	16.91		\$ -		
SOILS	S20	% Organic Matter	SAMPLE	\$	29.19		\$-		
SOILS	S21	TOC as NPOC	SAMPLE	\$	57.33		\$ -		
SOILS	S22	Soil Moisture Content	SAMPLE	\$	6.83		\$ -		
SOILS	S23	Air Filled Porosity	SAMPLE	\$	25.83		\$-		
SOILS	S24	% Total Solids	SAMPLE	\$	6.83		\$ -		
SOILS	S25	Field Capacity	SAMPLE	\$	28.14		\$ -		
SOILS	S26	TCLP Lead	SAMPLE	\$	83.16		\$ -		
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	\$	26.99		\$ -		
SOILS	S28	TCLP Cadmium	SAMPLE	\$	83.16		\$ -		
SOILS	S29	TCLP Benzene	SAMPLE	\$	83.16		\$ -		
		Viscosity + Density							
	LEPS01	Interfacial tension I (LNAPL/water [dyne/cm])	SAMPLE	\$	561 33		s -		
	2.1.001	Interfacial tension II (LNAPL/air [dyne/cm])	C. WILLE	Ψ	001.00		*		
		interracial tension III (water/air) [dyne/cm])				NK 22 TOTAL	A 74 04		
					TA	SK 33 IUIAL	\$ 71.93	5	



BID ESTIMATE SHEET

Sam Miller Farm, Wisconsin

Excavation and Removal of Petroleum-Contaminated Soil

<u>ITEM</u>	UNIT COST		ESTIMATED TOTAL
PECFA-ELIGIBLE ITEMS			
Mobilization (lump sum per mobilization = 3 ,	950.00)	(lump sum)	<u>\$3,950.00</u>
Excavate/load soil/haul soil (per ton = \$_19.55)	(1,000 tons)	s_19,550.00
Excavate and stockpile clean soil of $(\text{per ton} = \text{S}_{2.50})$	nsite)	(400 tons)	s1,000.00
Provide backfill soil material (source) (per ton = $\frac{11.50}{11.50}$	ce of your choice)/compact	(1,000 tons)	s_11,500.00
Backfill and compact stockpiled so $(\text{per ton} = \$ 2.50)$	il)	(400 tons)	\$ <u>1,000.00</u>

Total Eligible Site Work Cost \$_37,000.00_

WD Navis, Inc. <u>rvis 3-2-</u>19 Date envis Dennis Navis



Tel: 608-838-9120

November 5, 2019

PECFA #: 53937-7309-32

Mr. Jon Heberer WDNR – Bureau of Remediation and Redevelopment 3911 Fish Hatchery Road Fitchburg, Wisconsin 53711

RE: Soil Remediation Rizzo Property (BRRTS # 03-53-554361) 33832 State Highway 154 Hillpoint, Wisconsin 53937

Dear Mr. Heberer:

Seymour Environmental Services, Inc. (Seymour) is pleased to present the following information about the soil remediation at the Rizzo Property in Hillpoint, Wisconsin (Figure 1). The site is now owned by Sam Miller. Based on the results of the soil investigation we had planned to excavate 1,000 tons of contaminated soil. However, observations during the excavation indicated that the contamination did not extend as deep as the investigation had suggested. Because of this, only ~290 tons of contaminated soil was removed from the site and taken to the landfill for disposal.

The excavation extended over a circular area 35-40 feet in diameter. Across the excavation soils were generally removed to top of weathered bedrock. Clean overburden soils that were excavated were stockpiled in the field north of the excavation. Sampling of the excavation margins showed that the contaminated soil was removed. The sample collected from the base of the excavation was below the limits of detection. Because of the depth to groundwater (~100 feet) and the limited groundwater impacts noted in the water-supply well samples, we believe that the site should be closed.

GENERAL INFORMATION

Excavator/Trucking:	W.D. Navis, Inc. N2747 Highway 26 Waupun, Wisconsin 53963 Contact: Dennis Navis (920) 324-8995
Landfill:	Advanced Disposal-Cranberry Creek 2510 Engel Road Wisconsin Rapids, Wisconsin 54495 Contact: Dean Besiada (715) 422-0722
Laboratory:	Pace Analytical 1241 Bellevue Street, Suite 9 Green Bay, Wisconsin 54302 Contac: Dan Milewsky (920) 469-2436

Mr. Jon Heberer WDNR – R&R November 5, 2019 Page 2

SOIL REMEDIATION

Seymour and Navis met at the site on August 20, 2019 to begin the soil remediation. Prior to our arrival Sam Miller had razed an adjacent garage to provide access to the contaminated soil. The excavation began at the former tank which was located just south of the former garage. The area of soil contamination identified during the soil investigation and the proposed excavation area are shown on Figure 2.

We began the work on the south portion of the proposed excavation. Overburden soils were removed until any evidence of petroleum contamination was noted. The shallowest soil contamination encountered was present in the area of B-1 and the former UST. Evidence of soil contamination in this area was noted at ~8 feet below grade. The upper surface of the soil contamination dropped off fairly steeply around the former tank bed and near the margins of the excavation soil contamination was only noted in soils deeper than ~18 feet below grade. The bentonite seals from the borings within the footprint of the excavation were noted during the excavation work.

After the soil contamination was located across the southern portion of the excavation soils were removed along the remaining portions of the planned excavation. Soils were removed in this manner so that we would be able to dig as deep as possible and not place a clean soil stockpile over an area that would need to be excavated. After the upper surface of the soil contamination was located across the excavation, the overburden soils were removed. A total of ~950 cubic yards of clean soils were temporarily stockpiled to the north of the remedial excavation. A fence and some trees had to be removed to accommodate the stockpile. The overburden soils were later reused to backfill the excavation. Soil encountered during the remedial excavation were primarily clayey with interbedded sand and chert.

After the overburden soils were removed, petroleum impacted soils were excavated from the area Soil was removed across the excavation area (Figure 3) to a depth of ~23 to 25 feet where bedrock was encountered. A total of 289.92 tons of contaminated soil was loaded and hauled to Cranberry Creek Landfill.

A total of 9 confirmation soil samples were collected from the excavation margins and analyzed for PVOCs + naphthalene (Figure 3). Eight soil samples were collected from the excavation sidewalls. Four of those samples were collected near the base of the excavation at depths of 20-25 feet and four were collected higher on the excavation walls to show that any shallower contamination was removed. Additionally, a single soil sample was collected from the center of the excavation at a depth of 25 feet. No analytes were detected in any of the samples collected from the remedial excavation margins (Table 1). This is inconsistent with the sampling results from the boring in the source area, B-1, which indicated that the soil contamination extended to 39 feet. This did not appear to be the case during the soil remediation.

While on site to conduct the soil remediation, a water sample was collected from the private water supply well at the property. That water sample was analyzed for volatile organic compounds (VOCs). A number of compounds were detected at low levels (below the laboratory limit of quantitation) in the water sample. The majority of the compounds detected are petroleum-related including ethylbenzene, toluene, trimethylbenzenes, and xylenes. Additionally, cis 1,2 dichloroethene was detected in the sample. During previous sampling in 2015 and 2017 toluene had been detected in water samples collected from the well. Sampling data from the water-supply well is summarized in Table 2.

Mr. Jon Heberer WDNR – R&R November 5, 2019 Page 3

DISCUSSION/RECOMMENDATIONS

All of the accessible contaminated soil was excavated and landfilled. Data from the remediation work indicates that no residual soil contamination remains.

Groundwater contamination exceeding WDNR standards does not appear to be likely at the site. The log for the on site water-supply well indicates that groundwater is present at a depth of 115 feet. We believe that this represents the first groundwater (water-table) based on the topography. Samples collected from the water-supply well consistently show only trace levels of petroleum-related chemicals.

We believe that the site could receive unconditional closure based on the excavation confirmation sampling. If you have any questions, please feel free to give Mark Fryman or me a call at (608) 838-9120.

Sincerely, Seymour Environmental Services

Rokyn Sugneow

Robyn Seymour Hydrogeologist

enclosures: Figures (3) Tables (2) Lab Report Soil Disposal Documentation

cc:

Mr. Samuel Miller – RP

Several Environment 26 Fill Head Road, P.C. Box 20, McKamari California

FIGURES







TABLES

	TABLE 1 SUMMARY OF SOIL ANALYTICAL DATA Rizzo Property - 33832 State Highway 154 - Hillpoint, WI											
SAMPLE	Depth (ft)	DRO	GRO	Benzene	Ethylbenzene	Methyl-tert-butyl ether	Toluene	1,3,5 Trimethylbenzene	1,2,4 Trimethylbenzene	Total Trimethylbenzenes	Total Xylenes	Naphthalene
Tank Closure	5	na	1900	na	na	na	na	na	na	na	na	na
Soil Assess	ment (Seymou	r Environm	ental - 06/3	30/2017)								
B-1	8	na	na	1580(J)	89700	1740(J)	124000	140000	404000	544000	781000	55300
B-1	14	na	na	6350	111000	3020	166000	83100	248000	331100	529000	44900
B-1	18	na	na	138(J)	3730	79.5 (J)	3540	4950	149000	153950	22460	3530
B-1	25	na	na	4270	39600	1730	76600	27500	82000	109500	175200	16100
B-1	30	na	na	254	99.4	<25.0	473	52.3(J)	173	225.3	546	6 2.7(J)
B-1	35	na	na	<33.6	<33.6	<33.6	<33.6	<33.6	<33.6	<67.2	<100.9	<33.6
B-1	39	na	na	903	<25.0	<25.0	81.5	<25.0	83.7	83.7	409	120
B-2	24.5	na	na	<29.9	<29.9	<29.9	<29.9	<29.9	<29.9	<59.8	<89.6	<29.9
B-3	14	na	na	<25.0	41.5(J)	<25.0	64.7	<25.0	56.0(J)	56.0(J)	256.3	<25.0
B-4	20	na	na	110	119	<25.0	680	72.4(J)	234	306.4	984	64.9(J)
B-4	25	na	na	<25.0	133	<25.0	222	51.7(J)	128	179.7	805	<25.0
B-5	25	na	na	87.4	33.3(J)	<25.0	<25.0	<25.0	41.8(J)	41.8(J)	211.3(J)	<25.0
Sol Remed	iationt (Seymo	ur Environ	mental - Au	igust 20-22, 2	2019)					-		
#1	20	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0
#2	20	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0
#3	20	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0
#4	25	na	na	<25.3	<25.3	<25.3	<25.3	<25.3	<25.3	<50.6	<75.9	<40.0
#5	15	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0
#6	19	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0
#7	14	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0
#8	25	na	na	<25.8	<25.8	<25.8	<25.8	<25.8	<25.8	<51.6	<77.3	<41.3
#9	12	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0
Groundwater P	athway RCLs	ns	ns	5.1	1570	27	1107	ns	ns	1379	3940	658.7
Direct Con	tact RCLs	ns	ns	1600	8020	63800	818000	182000	219000	ns	260000	5520
- GRO reported in - na = not analyze	a mg/kg; PVOCs ar d	re reported in	ug/kg	- ns = no sta - (J) = prese	andard establishent below limit o	ed of quantitation	- (- I	Groundwater Pat Direct Contact R	hway RCL (exc CLs for non-ind	eedances bold) lustrial propertie	s (exceedances i	nderlined)

-

TABLE 2 SUMMARY OF WATER-SUPPLY WELL GROUNDWATER ANALYTICAL DATA Rizzo Property - 33832 State Highway 154 Hillpoint, WI									
Sample I.D.		Water Well		NR140					
Date	05/22/15	06/30/17	08/21/19	ES	PAL				
Select VOCs									
Benzene	<0.40	<0.50	<0.25	5	0.5				
1,2 Dichloroethane	na	<0.17	<0.28	5	0.5				
Ethylbenzene	<0.39	<0.50	0.43 (J)	700	140				
Methyl-tert-butyl ether	<0.48	<0.17	<1.2	60	12				
Toluene	0.73 (J)	0.56 (J)	0.76 (J)	800	160				
1,3,5 Trimethylbenzene	<0.42	<0.50	< 0.87	ns	ns				
1,2,4 Trimethylbenzene	<0.42	<0.50	1.5 (J)	ns	ns				
Total Trimethylbenzenes	<0.82	<1.0	1.5 (J)	480	96				
Xylenes, -m, -p	<0.80	<1.0	1.5 (J)	ns	ns				
Xylene, -o	<0.45	<0.50	0.58 (J)	ns	ns				
Total Xylenes	<1.25	<1.5	2.08 (J)	2000	400				
Naphthalene	<0.42	<2.5	<1.2	100	10				
cis 1,2 Dichloroethene	na	<0.26	0.44 (J)	70	7				

All results are reported in ug/l
Sample from 2015 analyzed for PVOCs+naphthalene
Sample from 2017 and 2019 analyzed for VOCs (EPA 8260)

- All detected compounds are included in table

- na = not analyzed

- ns = no standard established

- (J) = Detected below limit of quantitation
- NR140 PAL = Preventative action limit (exceedances underlined)

- NR140 ES = Enforcement standard (exceedances bold)

LABORATORY REPORT



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

September 10, 2019

Robyn Seymour Seymour Environmental Services, INC. 2531 Dyreson Road Mc Farland, WI 53558

RE: Project: SAM MILLER FARM Pace Project No.: 40193848

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on August 28, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milenty

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS



CERTIFICATIONS

Project: SAM MILLER FARM Pace Project No.: 40193848

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: 1104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS



SAMPLE SUMMARY

Project: SAM MILLER FARM

Pace Project No.:	40193848
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Lab ID	Sample ID	Matrix	Date Collected	Date Received
40193848001	#1-20'	Solid	08/20/19 10:30	08/28/19 08:50
40193848002	#2-20'	Solid	08/20/19 13:00	08/28/19 08:50
40193848003	#3-20'	Solid	08/20/19 13:30	08/28/19 08:50
40193848004	#4	Solid	08/20/19 16:15	08/28/19 08:50
40193848005	#5	Solid	08/21/19 08:00	08/28/19 08:50
40193848006	#6	Solid	08/21/19 10:15	08/28/19 08:50
40193848007	#7	Solid	08/21/19 12:00	08/28/19 08:50
40193848008	#8	Solid	08/22/19 07:15	08/28/19 08:50
40193848009	#9	Solid	08/22/19 08:00	08/28/19 08:50
40193848010	WATER WELL	Water	08/21/19 10:00	08/28/19 08:50

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: SAM MILLER FARM Pace Project No.: 40193848

40193848001 #1-20' EPA 8260 ALD 12 A0193848002 #2-20' EPA 8260 ALD 12 40193848003 #3-20' EPA 8260 ALD 12 40193848003 #3-20' EPA 8260 ALD 12 40193848004 #4 EPA 8260 ALD 12 40193848005 #5 EPA 8260 ALD 12 40193848005 #5 EPA 8260 ALD 12 40193848005 #6 EPA 8260 ALD 12 40193848006 #6 EPA 8260 ALD 12 40193848007 #7 EPA 8260 ALD 12 40193848008 #8 EPA 8260 ALD 12 40193848008 #8 EPA 8260 ALD 12 <td< th=""><th>Lab ID</th><th>Sample ID</th><th>Method</th><th>Analysts</th><th>Analytes Reported</th></td<>	Lab ID	Sample ID	Method	Analysts	Analytes Reported
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ASTM D2974-87 SKW 1 40193848006 #6 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848007 #7 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848008 #8 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1	40193848005	#5	EPA 8260	ALD	12
40193848006 #6 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848007 #7 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 12 40193848008 #8 EPA 8260 ALD 12 40193848008 #8 EPA 8260 ALD 12 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64			ASTM D2974-87	SKW	1
ASTM D2974-87 SKW 1 40193848007 #7 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848008 #8 EPA 8260 ALD 12 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64	40193848006	#6	EPA 8260	ALD	12
40193848007 #7 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848008 #8 EPA 8260 ALD 12 A0193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64			ASTM D2974-87	SKW	1
ASTM D2974-87 SKW 1 40193848008 #8 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64	40193848007	#7	EPA 8260	ALD	12
40193848008 #8 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64			ASTM D2974-87	SKW	1
ASTM D2974-87 SKW 1 40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64	40193848008	#8	EPA 8260	ALD	12
40193848009 #9 EPA 8260 ALD 12 ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64			ASTM D2974-87	SKW	1
ASTM D2974-87 SKW 1 40193848010 WATER WELL EPA 8260 LAP 64	40193848009	#9	EPA 8260	ALD	12
40193848010 WATER WELL EPA 8260 LAP 64			ASTM D2974-87	SKW	1
	40193848010	WATER WELL	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS



SUMMARY OF DETECTION

Project: SAM MILLER FARM Pace Project No.: 40193848

Lab Sample ID	Client Sample ID	_				
Method	Parameters	Result	Units	_ Report Limit	Analyzed	Qualifiers
40193848001	#1-20'					
ASTM D2974-87	Percent Moisture	4.4	%	0.10	09/09/19 18:18	
40193848002	#2-20'					
ASTM D2974-87	Percent Moisture	10.2	%	0.10	09/09/19 18:18	
40193848003	#3-20'					
ASTM D2974-87	Percent Moisture	14.0	%	0.10	09/09/19 18:18	
40193848004	#4					
ASTM D2974-87	Percent Moisture	17.1	%	0.10	09/09/19 18:18	
40193848005	#5					
ASTM D2974-87	Percent Moisture	24.4	%	0.10	09/09/19 18:18	
40193848006	#6					
ASTM D2974-87	Percent Moisture	20.5	%	0.10	09/09/19 18:40	88
40193848007	#7					
ASTM D2974-87	Percent Moisture	22.8	%	0.10	09/09/19 18:40	
40193848008	#8					
ASTM D2974-87	Percent Moisture	14.6	%	0.10	09/09/19 18:40	
40193848009	#9					
ASTM D2974-87	Percent Moisture	23.2	%	0.10	09/09/19 18:40	
40193848010	WATER WELL					
EPA 8260	cis-1,2-Dichloroethene	0.44J	ug/L	1.0	08/29/19 14:21	
EPA 8260	Ethylbenzene	0.43J	ug/L	1.0	08/29/19 14:21	
EPA 8260	Toluene	0.76J	ug/L	5.0	08/29/19 14:21	
EPA 8260	1,2,4-Trimethylbenzene	1.5J	ug/L	2.8	08/29/19 14:21	
EPA 8260	m&p-Xylene	1.5J	ug/L	2.0	08/29/19 14:21	
EPA 8260	o-Xylene	0.58J	ug/L	1.0	08/29/19 14:21	



Project: SAM MILLER FARM

Pace Project No.: 40193848

 Sample: #1-20'
 Lab ID: 40193848001
 Collected: 08/20/19 10:30
 Received: 08/28/19 08:50
 Matrix: Solid

 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.
 Natrix: Solid

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Meth	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:05	71-43-2	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:05	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:05	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/29/19 10:48	08/29/19 17:05	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:05	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:05	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:05	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/29/19 10:48	08/29/19 17:05	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:05	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-146		1	08/29/19 10:48	08/29/19 17:05	1868-53-7	
4-Bromofluorobenzene (S)	93	%	54-126		1	08/29/19 10:48	08/29/19 17:05	460-00-4	
Toluene-d8 (S)	116	%	64-134		1	08/29/19 10:48	08/29/19 17:05	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	4.4	%	0.10	0.10	1		09/09/19 18:18		

 Sample: #2-20'
 Lab ID: 40193848002
 Collected: 08/20/19 13:00
 Received: 08/28/19 08:50
 Matrix: Solid

 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.
 Matrix: Solid

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qu	al
8260 MSV Med Level Short List	Analytical	Method: EPA	A 8260 Prepa	ation Metho	od: EP	A 5035/5030B				
Benzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:27	71-43-2	W	
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:27	100-41-4	W	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:27	1634-04-4	W	
Naphthalene	<40.0	ug/kg	250	40.0	1	08/29/19 10:48	08/29/19 17:27	91-20-3	W	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:27	108-88-3	W	
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:27	95-63-6	W	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:27	108-67-8	W	
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/29/19 10:48	08/29/19 17:27	179601-23-1	W	
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:27	95-47-6	W	
Surrogates										
Dibromofluoromethane (S)	96	%	57-146		1	08/29/19 10:48	08/29/19 17:27	1868-53-7		
4-Bromofluorobenzene (S)	80	%	54-126		1	08/29/19 10:48	08/29/19 17:27	460-00-4		
Toluene-d8 (S)	97	%	64-134		1	08/29/19 10:48	08/29/19 17:27	2037-26-5		
Percent Moisture	Analytical	Method: AST	TM D2974-87							
Percent Moisture	10.2	%	0.10	0.10	1		09/09/19 18:18			



Project: SAM MILLER FARM

Pace Project No.: 40193848

 Sample: #3-20'
 Lab ID: 40193848003
 Collected: 08/20/19 13:30
 Received: 08/28/19 08:50
 Matrix: Solid

 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A8260 Prepar	ation Meth	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:50	71-43-2	w
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:50	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:50	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/29/19 10:48	08/29/19 17:50	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:50	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:50	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:50	108-67-8	w
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/29/19 10:48	08/29/19 17:50	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 17:50	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	57-146		1	08/29/19 10:48	08/29/19 17:50	1868-53-7	
4-Bromofluorobenzene (S)	87	%	54-126		1	08/29/19 10:48	08/29/19 17:50	460-00-4	
Toluene-d8 (S)	109	%	64-134		1	08/29/19 10:48	08/29/19 17:50	2037-26-5	
Percent Moisture	Analytical	Method: AST	FM D2974-87						
Percent Moisture	14.0	%	0.10	0.10	1		09/09/19 18:18		

Sample: #4 Lab ID: 40193848004 Collected: 08/20/19 16:15 Received: 08/28/19 08:50 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ration Metho	od: EP	A 5035/5030B			
Benzene	<25.3	ug/kg	60.6	25.3	1	08/29/19 10:48	08/29/19 18:12	71-43-2	w
Ethylbenzene	<25.3	ug/kg	60.6	25.3	1	08/29/19 10:48	08/29/19 18:12	100-41-4	W
Methyl-tert-butyl ether	<25.3	ug/kg	60.6	25.3	1	08/29/19 10:48	08/29/19 18:12	1634-04-4	W
Naphthalene	<40.4	ug/kg	253	40.4	1	08/29/19 10:48	08/29/19 18:12	91-20-3	W
Toluene	<25.3	ug/kg	60.6	25.3	1	08/29/19 10:48	08/29/19 18:12	108-88-3	W
1,2,4-Trimethylbenzene	<25.3	ug/kg	60.6	25.3	1	08/29/19 10:48	08/29/19 18:12	95-63-6	W
1,3,5-Trimethylbenzene	<25.3	ug/kg	60.6	25.3	1	08/29/19 10:48	08/29/19 18:12	108-67-8	W
m&p-Xylene	<50.5	ug/kg	121	50.5	1	08/29/19 10:48	08/29/19 18:12	179601-23-1	W
o-Xylene	<25.3	ug/kg	60.6	25.3	1	08/29/19 10:48	08/29/19 18:12	95-47-6	W
Dibromofluoromethane (S)	109	%	57-146		1	08/29/19 10:48	08/29/19 18:12	1868-53-7	
4-Bromofluorobenzene (S)	88	%	54-126		1	08/29/19 10:48	08/29/19 18:12	460-00-4	
Toluene-d8 (S)	110	%	64-134		1	08/29/19 10:48	08/29/19 18:12	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	17.1	%	0.10	0.10	1		09/09/19 18:18		



Project: SAM MILLER FARM

Pace Project No.: 40193848

 Sample: #5
 Lab ID: 40193848005
 Collected: 08/21/19 08:00
 Received: 08/28/19 08:50
 Matrix: Solid

 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EPA	8260 Prepar	ration Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:35	71-43-2	w
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:35	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:35	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/29/19 10:48	08/29/19 18:35	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:35	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:35	108-67-8	w
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/29/19 10:48	08/29/19 18:35	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-146		1	08/29/19 10:48	08/29/19 18:35	1868-53-7	
4-Bromofluorobenzene (S)	- 84	%	54-126		1	08/29/19 10:48	08/29/19 18:35	460-00-4	
Toluene-d8 (S)	102	%	64-134		1	08/29/19 10:48	08/29/19 18:35	2037-26-5	
Percent Moisture	Analytical	Method: AST	M D2974-87						
Percent Moisture	24.4	%	0.10	0.10	1		09/09/19 18:18		

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepai	ration Meth	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:58	71-43-2	w
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:58	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:58	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/29/19 10:48	08/29/19 18:58	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:58	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:58	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:58	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/29/19 10:48	08/29/19 18:58	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 18:58	95-47-6	W
Dibromofluoromethane (S)	102	%	57-146		1	08/29/19 10:48	08/29/19 18:58	1868-53-7	
4-Bromofluorobenzene (S)	83	%	54-126		1	08/29/19 10:48	08/29/19 18:58	460-00-4	
Toluene-d8 (S)	100	%	64-134		1	08/29/19 10:48	08/29/19 18:58	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	20.5	%	0.10	0.10	1		09/09/19 18:40		



Project: SAM MILLER FARM

Pace Project No.: 40193848

Sample: #7 Lab ID: 40193848007 Collected: 08/21/19 12:00 Received: 08/28/19 08:50 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EPA	8260 Prepar	ation Metho	od: EP/	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 14:52	71-43-2	w
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 14:52	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 14:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/29/19 10:48	08/29/19 14:52	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 14:52	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 14:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 14:52	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/29/19 10:48	08/29/19 14:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 14:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	57-146		1	08/29/19 10:48	08/29/19 14:52	1868-53-7	
4-Bromofluorobenzene (S)	100	%	54-126		1	08/29/19 10:48	08/29/19 14:52	460-00-4	
Toluene-d8 (S)	124	%	64-134		1	08/29/19 10:48	08/29/19 14:52	2037-26-5	
Percent Moisture	Analytical	Method: AST	M D2974-87						
Percent Moisture	22.8	%	0.10	0.10	1		09/09/19 18:40		

Sample: #8 Lab ID: 40193848008 Collected: 08/22/19 07:15 Received: 08/28/19 08:50 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP	A 8260 Prepar	ation Meth	od: EP	A 5035/5030B			
Benzene	<25.8	ug/kg	61.9	25.8	1	08/29/19 10:48	08/29/19 19:20	71-43-2	w
Ethylbenzene	<25.8	ug/kg	61.9	25.8	1	08/29/19 10:48	08/29/19 19:20	100-41-4	W
Methyl-tert-butyl ether	<25.8	ug/kg	61.9	25.8	1	08/29/19 10:48	08/29/19 19:20	1634-04-4	W
Naphthalene	<41.3	ug/kg	258	41.3	1	08/29/19 10:48	08/29/19 19:20	91-20-3	W
Toluene	<25.8	ug/kg	61.9	25.8	1	08/29/19 10:48	08/29/19 19:20	108-88-3	W
1,2,4-Trimethylbenzene	<25.8	ug/kg	61.9	25.8	1	08/29/19 10:48	08/29/19 19:20	95-63-6	W
1,3,5-Trimethylbenzene	<25.8	ug/kg	61.9	25.8	1	08/29/19 10:48	08/29/19 19:20	108-67-8	W
m&p-Xylene	<51.5	ug/kg	124	51.5	1	08/29/19 10:48	08/29/19 19:20	179601-23-1	W
o-Xylene	<25.8	ug/kg	61.9	25.8	1	08/29/19 10:48	08/29/19 19:20	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	57-146		1	08/29/19 10:48	08/29/19 19:20	1868-53-7	
4-Bromofluorobenzene (S)	88	%	54-126		1	08/29/19 10:48	08/29/19 19:20	460-00-4	
Toluene-d8 (S)	109	%	64-134		1	08/29/19 10:48	08/29/19 19:20	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	14.6	%	0.10	0.10	1		09/09/19 18:40		


ANALYTICAL RESULTS

Project: SAM MILLER FARM

Pace Project No.: 40193848

 Sample: #9
 Lab ID: 40193848009
 Collected: 08/22/19 08:00
 Received: 08/28/19 08:50
 Matrix: Solid

 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical	Method: EP/	A 8260 Prepar	ation Meth	od: EP	A 5035/5030B			
Benzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 19:43	71-43-2	w
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 19:43	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 19:43	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/29/19 10:48	08/29/19 19:43	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 19:43	108-88-3	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 19:43	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 19:43	108-67-8	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/29/19 10:48	08/29/19 19:43	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/29/19 10:48	08/29/19 19:43	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	57-146		1	08/29/19 10:48	08/29/19 19:43	1868-53-7	
4-Bromofluorobenzene (S)	86	%	54-126		1	08/29/19 10:48	08/29/19 19:43	460-00-4	
Toluene-d8 (S)	107	%	64-134		1	08/29/19 10:48	08/29/19 19:43	2037-26-5	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	23.2	%	0.10	0.10	1		09/09/19 18:40		

Sample: WATER WELL Lab ID: 40193848010 Collected: 08/21/19 10:00 Received: 08/28/19 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical	Method: EP/	A 8260						
Benzene	<0.25	ug/L	1.0	0.25	1		08/29/19 14:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/29/19 14:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/29/19 14:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/29/19 14:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/29/19 14:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/29/19 14:21	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/29/19 14:21	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/29/19 14:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/29/19 14:21	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/29/19 14:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/29/19 14:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/29/19 14:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/29/19 14:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/29/19 14:21	74-87-3	L1
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/29/19 14:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/29/19 14:21	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/29/19 14:21	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/29/19 14:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/29/19 14:21	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/29/19 14:21	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/29/19 14:21	95-50-1	

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: SAM MILLER FARM

Pace Project No.: 40193848

Sample: WATER WELL	Lab ID:	40193848010	Collected	d: 08/21/19	9 10:00	Received: 0	8/28/19 08:50 M	atrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical	Method: EPA 8	260						
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/29/19 14:21	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/29/19 14:21	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/29/19 14:21	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/29/19 14:21	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/29/19 14:21	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/29/19 14:21	75-35-4	
cis-1,2-Dichloroethene	0.44J	ug/L	1.0	0.27	1		08/29/19 14:21	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/29/19 14:21	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/29/19 14:21	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/29/19 14:21	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/29/19 14:21	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/29/19 14:21	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/29/19 14:21	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4,4	1		08/29/19 14:21	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/29/19 14:21	108-20-3	
Ethylbenzene	0.43J	ug/L	1.0	0.22	1		08/29/19 14:21	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/29/19 14:21	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		08/29/19 14:21	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/29/19 14:21	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/29/19 14:21	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/29/19 14:21	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/29/19 14:21	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/29/19 14:21	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		08/29/19 14:21	100-42-5	
1.1.1.2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/29/19 14:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/29/19 14:21	79-34-5	
Tetrachloroethene	< 0.33	ug/L	1.1	0.33	1		08/29/19 14:21	127-18-4	
Toluene	0.76J	ug/L	5.0	0.17	1		08/29/19 14:21	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/29/19 14:21	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/29/19 14:21	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/29/19 14:21	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/29/19 14:21	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/29/19 14:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/29/19 14:21	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/29/19 14:21	96-18-4	
1.2.4-Trimethylbenzene	1.5J	ug/L	2.8	0.84	1		08/29/19 14:21	95-63-6	
1.3.5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/29/19 14:21	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/29/19 14:21	75-01-4	
m&p-Xylene	1.5J	ug/L	2.0	0.47	1		08/29/19 14:21	179601-23-1	
o-Xvlene	0.58J	ug/L	1.0	0.26	1		08/29/19 14:21	95-47-6	
Surrogates					-				
4-Bromofluorobenzene (S)	95	%	70-130		1		08/29/19 14:21	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		08/29/19 14:21	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/29/19 14:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS



Project: S	AM MILLER FAR	M						
Pace Project No.: 4	0193848							
QC Batch:	332252		Analysis M	lethod:	EPA 8260			
QC Batch Method:	EPA 5035/5030B		Analysis D	escription:	8260 MSV Me	d Level Short I	_ist	
Associated Lab Samp	les: 401938480 401938480	001, 40193848002, 008, 40193848009	40193848003	, 40193848004,	40193848005,	40193848006	5, 40193848007,	
METHOD BLANK: 1	927550		Matr	ix: Solid			· · ·	
Associated Lab Samp	les: 401938480 401938480	001, 40193848002, 008, 40193848009	40193848003	, 40193848004,	40193848005,	40193848006	6, 40193848007,	
			Blank	Reporting				
Parame	ter	Units	Result	Limit	Analyze	d Qua	lifiers	
1,2,4-Trimethylbenzen	10	ug/kg	<12.	2 50.	0 08/29/19 0	8:45		
1,3,5-Trimethylbenzen	e	ug/kg	<14.	5 50.	0 08/29/19 0	8:45		
Benzene		ug/kg	<9.	2 20.	0 08/29/19 0	8:45		
Ethylbenzene		ug/kg	<12.	4 50.	0 08/29/19 0	8:45		
m&p-Xylene		ug/kg	<34.	4 10	0 08/29/19 0	8:45		
Methyl-tert-butyl ether		ug/kg	<12.	7 50.	0 08/29/19 0	8:45		
Naphthalene		ug/kg	<40.	0 25	0 08/29/19 0	8:45		
o-Xylene		ug/kg	<14.	0 50.	0 08/29/19 0	8:45		
Toluene		ug/kg	<11.	2 50.	0 08/29/19 0	8:45		
4-Bromofluorobenzen	e (S)	%	8	5 54-12	6 08/29/19 0	8:45		
Dibromofluoromethan	e (S)	%	11	0 57-14	6 08/29/19 0	8:45		
Toluene-d8 (S)		%	10	3 64-13	4 08/29/19 0	8:45		
LABORATORY CONT	ROL SAMPLE:	1927551						
			Spike	LCS	LCS	% Rec		
Parame	ter	Units	Conc.	Result	% Rec	Limits	Qualifiers	
Benzene		ug/kg	2500	2530	101	70-130		
Ethylbenzene		ug/kg	2500	2360	94	82-122		
m&p-Xylene		ug/kg	5000	4880	98	70-130		
Methyl-tert-butyl ether		ug/kg	2500	2170	87	70-130		
o-Xylene		ug/kg	2500	2350	94	70-130		
Toluene		ug/kg	2500	2590	103	80-121		
4-Bromofluorobenzen	e (S)	%			89	54-126		

MATRIX SPIKE & MATRIX SI	PIKE DUPI	LICATE: 1927	552		1927553			·····				
Parameter	Units	40193848007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<25.0	1620	1620	1570	1550	97	96	70-130	1	20	
Ethylbenzene	ug/kg	<25.0	1620	1620	1430	1450	88	90	80-122	1	20	
m&p-Xylene	ug/kg	<50.0	3240	3240	2990	3030	92	93	70-130	1	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1620	1620	1380	1360	85	84	70-130	1	20	
o-Xylene	ug/kg	<25.0	1620	1620	1420	1500	88	93	70-130	5	20	
Toluene	ug/kg	<25.0	1620	1620	1620	1630	100	100	80-121	0	20	
4-Bromofluorobenzene (S)	%						107	109	54-126			

102

102

57-146

64-134

%

%

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Dibromofluoromethane (S)

Toluene-d8 (S)



Project: SAM MILLER FARM

Pace Project No.: 40193848

MATRIX SPIKE & MATRIX SP	_ICATE: 1927	552		192755	3							
Parameter	Units	40193848007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S) Toluene-d8 (S)	% %						128 125	123 125	57-146 64-134			

Results presented on this page are in the units indicated by the "Units" column except where an atternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Date: 09/10/2019 08:08 AM



Project:	SAM MILLER FARM
Pace Project No.:	40193848

QC Batch: 332186		Analysis Method:	EF	PA 8260	<u></u>	
QC Batch Method: EPA 8260		Analysis Descriptio	n: 82	60 MSV		
Associated Lab Samples: 40193848010						
METHOD BLANK: 1927286		Matrix: Water	r			
Associated Lab Samples: 40193848010						
		Blank Rec	ortina			
Parameter	Units	Result L	imit	Analyzed	Qualifiers	
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/29/19 09:27		
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/29/19 09:27		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/29/19 09:27		
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/29/19 09:27		
1,1-Dichloroethane	ug/L	<0.27	1.0	08/29/19 09:27		
1,1-Dichloroethene	ug/L	<0.24	1.0	08/29/19 09:27		
1,1-Dichloropropene	ug/L	<0.54	1.8	08/29/19 09:27		
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/29/19 09:27		
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/29/19 09:27		
1.2.4-Trichlorobenzene	ug/L	<0.95	5.0	08/29/19 09:27		
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/29/19 09:27		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/29/19 09:27		
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/29/19 09:27		
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/29/19 09:27		
1,2-Dichloroethane	ug/L	<0.28	1.0	08/29/19 09:27		
1,2-Dichloropropane	ug/L	<0.28	1.0	08/29/19 09:27		
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/29/19 09:27		
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/29/19 09:27		
1,3-Dichloropropane	ug/L	<0.83	2.8	08/29/19 09:27		
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/29/19 09:27		
2,2-Dichloropropane	ug/L	<2.3	7.6	08/29/19 09:27		
2-Chlorotoluene	ug/L	<0.93	5.0	08/29/19 09:27		
4-Chlorotoluene	ug/L	<0.76	2.5	08/29/19 09:27		
Benzene	ug/L	<0.25	1.0	08/29/19 09:27		
Bromobenzene	ug/L	<0.24	1.0	08/29/19 09:27		
Bromochloromethane	ug/L	<0.36	5.0	08/29/19 09:27		
Bromodichloromethane	ug/L	<0.36	1.2	08/29/19 09:27		
Bromoform	ug/L	<4.0	13.2	08/29/19 09:27		
Bromomethane	ug/L	<0.97	5.0	08/29/19 09:27		
Carbon tetrachloride	ug/L	<0.17	1.0	08/29/19 09:27		
Chlorobenzene	ug/L	<0.71	2.4	08/29/19 09:27		
Chloroethane	ug/L	<1.3	5.0	08/29/19 09:27		
Chloroform	ug/L	<1.3	5.0	08/29/19 09:27		
Chloromethane	ug/L	<2.2	7.3	08/29/19 09:27		
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/29/19 09:27		
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/29/19 09:27		
Dibromochloromethane	ug/L	<2.6	8.7	08/29/19 09:27		
Dibromomethane	ug/L	<0.94	3.1	08/29/19 09:27		
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/29/19 09:27		
Diisopropyl ether	ug/L	<1.9	6.3	08/29/19 09:27		
Ethylbenzene	ug/L	<0.22	1.0	08/29/19 09:27		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Matrix: Water

Project: SAM MILLER FARM

Pace Project No.: 40193848

METHOD BLANK: 1927286

Associated Lab Samples: 40193848010

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	1.2J	5.0	08/29/19 09:27	
Isopropylbenzene (Cumene)	ug/L	< 0.39	5.0	08/29/19 09:27	
m&p-Xylene	ug/L	<0.47	2.0	08/29/19 09:27	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/29/19 09:27	
Methylene Chloride	ug/L	<0.58	5.0	08/29/19 09:27	
n-Butylbenzene	ug/L	<0.71	2.4	08/29/19 09:27	
n-Propylbenzene	ug/L	<0.81	5.0	08/29/19 09:27	
Naphthalene	ug/L	<1.2	5.0	08/29/19 09:27	
o-Xylene	ug/L	<0.26	1.0	08/29/19 09:27	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/29/19 09:27	
sec-Butylbenzene	ug/L	<0.85	5.0	08/29/19 09:27	
Styrene	ug/L	<0.47	1.6	08/29/19 09:27	
tert-Butylbenzene	ug/L	< 0.30	1.0	08/29/19 09:27	
Tetrachloroethene	ug/L	< 0.33	1.1	08/29/19 09:27	
Toluene	ug/L	<0.17	5.0	08/29/19 09:27	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/29/19 09:27	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/29/19 09:27	
Trichloroethene	ug/L	<0.26	1.0	08/29/19 09:27	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/29/19 09:27	
Vinyl chloride	ug/L	<0.17	1.0	08/29/19 09:27	
4-Bromofluorobenzene (S)	%	93	70-130	08/29/19 09:27	
Dibromofluoromethane (S)	%	108	70-130	08/29/19 09:27	
Toluene-d8 (S)	%	100	70-130	08/29/19 09:27	

LABORATORY CONTROL SAMPLE: 1927287

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	62.1	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.7	107	70-130	
1,1,2-Trichloroethane	ug/L	50	53.5	107	70-130	
1,1-Dichloroethane	ug/L	50	63.3	127	73-150	
1,1-Dichloroethene	ug/L	50	68.8	138	73-138	
1,2,4-Trichlorobenzene	ug/L	50	48.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.7	105	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	51.8	104	70-130	
1,2-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,2-Dichloroethane	ug/L	50	55.4	111	75-140	
1,2-Dichloropropane	ug/L	50	61.7	123	73-135	
1,3-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,4-Dichlorobenzene	ug/L	50	50.9	102	70-130	
Benzene	ug/L	50	58.3	117	70-130	
Bromodichloromethane	ug/L	50	55.4	111	70-130	
Bromoform	ug/L	50	49.6	99	68-129	
Bromomethane	ug/L	50	46.0	92	18-159	

Results presented on this page are in the units indicated by the "Units" column except where an atternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: SAM MILLER FARM

Pace Project No.: 40193848

LABORATORY CONTROL SAMPLE: 1927287

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Carbon tetrachloride	ug/L	50	58.1	116	70-130	
Chlorobenzene	ug/L	50	52.7	105	70-130	
Chloroethane	ug/L	50	62.5	125	53-147	
Chloroform	ug/L	50	55.8	112	74-136	
Chloromethane	ug/L	50	58.3	117	29-115 L	_1
cis-1,2-Dichloroethene	ug/L	50	52.3	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	55.1	110	70-130	
Dibromochloromethane	ug/L	50	47.9	96	70-130	
Dichlorodifluoromethane	ug/L	50	44.3	89	10-130	
Ethylbenzene	ug/L	50	57.3	115	80-124	
Isopropylbenzene (Cumene)	ug/L	50	60.6	121	70-130	
m&p-Xylene	ug/L	100	117	117	70-130	
Methyl-tert-butyl ether	ug/L	50	54.1	108	54-137	
Methylene Chloride	ug/L	50	61.3	123	73-138	
o-Xylene	ug/L	50	58.1	116	70-130	
Styrene	ug/L	50	59.7	119	70-130	
Tetrachloroethene	ug/L	50	50.9	102	70-130	
Toluene	ug/L	50	52.4	105	80-126	
trans-1,2-Dichloroethene	ug/L	50	63.7	127	73-145	
trans-1,3-Dichloropropene	ug/L	50	53.3	107	70-130	
Trichloroethene	ug/L	50	57.3	115	70-130	
Trichlorofluoromethane	ug/L	50	59.7	119	76-147	
Vinyl chloride	ug/L	50	59.7	119	51-120	
4-Bromofluorobenzene (S)	%			108	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SP	PIKE DUP	LICATE: 1927	718 MS	MSD	1927719)						
Parameter	Units	40193844004 Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	57.3	58.7	115	117	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.8	58.3	104	117	70-130	12	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	51.4	54.7	103	109	70-137	6	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	58.1	60.5	116	121	73-153	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	61.1	64.6	122	129	73-138	6	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.4	55.3	103	111	70-130	7	20	
1,2-Dibromo-3- chloropropane	ug/L	<1.8	50	50	51.3	54.6	103	109	58-129	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.3	52.8	99	106	70-130	7	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.4	54.6	100	109	70-130	8	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	52.1	53.6	104	107	75-140	3	20	
1.2-Dichloropropane	ug/L	<0.28	50	50	59.4	61.2	119	122	71-138	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	46.4	50.6	93	101	70-130	9	20	
1.4-Dichlorobenzene	ua/L	<0.94	50	50	48.6	51.1	97	102	70-130	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: SAM MILLER FARM

Pace Project No.: 40193848

MATRIX SPIKE & MATRIX SP	718		1927719)								
			MS	MSD								
		40193844004	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<0.25	50	50	53.9	56.9	108	114	70-130	5	20	
Bromodichloromethane	ug/L	<0.36	50	50	54.0	53.5	108	107	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	48.9	54.3	98	109	68-129	10	20	
Bromomethane	ug/L	<0.97	50	50	45.5	47.3	91	95	15-170	4	20	
Carbon tetrachloride	ug/L	<0.17	50	50	54.3	57.1	109	114	70-130	5	20	
Chlorobenzene	ug/L	<0.71	50	50	49.6	52.7	99	105	70-130	6	20	
Chloroethane	ug/L	<1.3	50	50	51.3	57.3	103	115	51-148	11	20	
Chloroform	ug/L	<1.3	50	50	51.6	53.5	103	107	74-136	4	20	
Chloromethane	ug/L	<2.2	50	50	46.2	46.7	92	93	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.1	51.4	98	103	70-131	5	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	54.3	55.3	109	111	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.4	53.2	99	106	70-130	7	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	30.0	30.1	60	60	10-132	0	20	
Ethylbenzene	ug/L	<0.22	50	50	53.9	53.4	108	107	80-125	1	20	
Isopropylbenzene	ug/L	<0.39	50	50	57.4	55.8	115	112	70-130	3	20	
(Cumene)	-											
m&p-Xylene	ug/L	<0.47	100	100	110	110	110	110	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	51.4	53.6	103	107	51-145	4	20	
Methylene Chloride	ug/L	<0.58	50	50	53.0	58.4	106	117	73-140	10	20	
o-Xylene	ug/L	<0.26	50	50	54.2	54.1	108	108	70-130	0	20	
Styrene	ug/L	<0.47	50	50	55.4	55.8	111	112	70-130	1	20	
Tetrachloroethene	ug/L	0.46J	50	50	51.1	56.0	101	111	70-130	9	20	
Toluene	ug/L	<0.17	50	50	50.8	55.2	101	110	80-131	8	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	58.0	60.7	116	121	73-148	5	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	50.2	55.1	100	110	70-130	9	20	
Trichloroethene	ug/L	<0.26	50	50	55.2	56.3	110	113	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	53.8	54.6	108	109	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	50.9	50.5	102	101	41-129	1	20	
4-Bromofluorobenzene (S)	%						105	100	70-130			
Dibromofluoromethane (S)	%						102	98	70-130			
Toluene-d8 (S)	%						101	104	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project:	SAM MILLER FARM								
Pace Project No.:	40193848								
QC Batch:	333294	···	Analysis Meth	iod:	ASTM D2974-	37			······
QC Batch Method:	ASTM D2974-87		Analysis Desc	ription:	Dry Weight/Pe	cent Moistu	re		
Associated Lab Sar	mples: 40193848001	, 401938480	02, 40193848003, 40	193848004,	40193848005				
SAMPLE DUPLICA	TE: 1934901		<u> </u>						<u></u>
			40193846006	Dup		Ma	ix		
Parar	meter	Units	Result	Result	RPD	RF	D	Qualifiers	
Percent Moisture		%	7.6	7.	8	2	10		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Project:	SAM MILLER FARM								
Pace Project No.:	40193848								
QC Batch:	333298		Analysis Meth	od:	ASTM D2974-0	37			
QC Batch Method:	ASTM D2974-87		Analysis Desc	ription:	Dry Weight/Pe	rcent Moistur	e		
Associated Lab Sar	mples: 40193848006	, 401938480	07, 40193848008, 40	193848009					
SAMPLE DUPLICA	TE: 1934907								<u></u>
			40193848006	Dup		Max	(
Parar	neter	Units	Result	Result	RPD	RPI	2	Qualifiers	
Percent Moisture		%	20.5	21	2	3	10	,	

Results presented on this page are in the units indicated by the "Units" column except where an atternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Date: 09/10/2019 08:08 AM



QUALIFIERS

Project: SAM MILLER FARM Pace Project No.: 40193848

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
- W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SAM MILLER FARM Pace Project No.: 40193848

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40193848001	#1-20'	EPA 5035/5030B	332252	EPA 8260	332260
40193848002	#2-20'	EPA 5035/5030B	332252	EPA 8260	332260
40193848003	#3-20'	EPA 5035/5030B	332252	EPA 8260	332260
40193848004	#4	EPA 5035/5030B	332252	EPA 8260	332260
40193848005	#5	EPA 5035/5030B	332252	EPA 8260	332260
40193848006	#6	EPA 5035/5030B	332252	EPA 8260	332260
40193848007	#7	EPA 5035/5030B	332252	EPA 8260	332260
40193848008	#8	EPA 5035/5030B	332252	EPA 8260	332260
40193848009	#9	EPA 5035/5030B	332252	EPA 8260	332260
40193848010	WATER WELL	EPA 8260	332186		
40193848001	#1-20'	ASTM D2974-87	333294		
40193848002	#2-20'	ASTM D2974-87	333294		
40193848003	#3-20'	ASTM D2974-87	333294		
40193848004	#4	ASTM D2974-87	333294		
40193848005	#5	ASTM D2974-87	333294		
40193848006	#6	ASTM D2974-87	333298		
40193848007	#7	ASTM D2974-87	333298		
40193848008	#8	ASTM D2974-87	333298		
40193848009	#9	ASTM D2974-87	333298		

REPORT OF LABORATORY ANALYSIS

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1U 1H 4S 4U	1 lite 1 lite 125 r 120 r	r aml r aml nL ar nL ar	ber gla ber gla mber g mber g	ass ass HC glass I glass u	CL 12SO4 inpres	1 1		BP BP BP BP	10 2N 2Z 3U	1 lite 500 r 500 r 250 r	r plast nL pla nL pla nL pla	tic unp astic H astic N astic u	ores NO3 aOH, npres	Znac	t	DC DC VC VC	9A 9T 9U 9H	40 m 40 m 40 m 40 m	L amt L amt L clea L clea	er asc er Na r vial r vial	orbic Thio unpre HCL	S		JC W(W)	FU GFU PFU	4 oz 4 oz 4 oz	amber clear j plastic	r jar un jar ung c jar u	npres ores npres				
15U 32S 33U	100 r 500 r 250 r	nL ar nL ar nL cl	nber g nber g ear gl	glass u glass I ass un	npres 12SO4 pres	1		BP BP BP	3B 3N 3S	250 r 250 r 250 r	nL pla nL pla nL pla	istic N istic H istic H	aOH NO3 2SO4			VG VG	9M 9D	40 m 40 m	L clea L clea	r vial r vial	MeOI DI	H		SI ZF	25T PLC GN:	120 r ziplo	nL pl: c bag	astic N	la Thi	osulfat	e		

F-GB-C-046-Rev.02 (29Mar2018) Sample Preservation Receipt Form

Page <u>1</u> of <u>2</u>

Pace Analytical"	Sample Conditio	n Upon Receipt (SC	UR)	A. 41. 14
1241 Bellevije Street, Green Bay, WI 5430	Doc F-GB-	ument No.: C-031-Rev.07	Issuing Pace Green B	Authority: ay Quality Office
Sample	Condition Upo	n Receipt Forr	n (SCUR)	
		Project #:		
Client Name: Sey mour	Env		WO#:401	93848
courier: TCS Logistics TFed Ex T Speed		Valtco		
Client Pace Other.				
racking #: 31/5,082619	·		40193848	
Custody Seal on Cooler/Box Present: 🔽 yes	Fio Seals intact	: 🔽 yes 🗖 no 📋	· · · · · · · · · · · · · · · · · · ·	
Custody Seal on Samples Present: 1 yes	he Bags I Non			
hermometer Used SR -	Type of Ice: Wet	Blue Dry None	Samples on ice, c	ooling process has begun
Cooler Temperature Uncorr: Kon /Corr:			/~	
Temp Blank Present: 🔽 yes 🔽 no	Biological	Tissue is Frozen:		rson examining contents:
Temp should be above freezing to 6° C. Biota Samples may be received at < 0° C.	- e ^{ll} -		- Init	ials:
Chain of Custody Present:		1.CC		ANBLIG TH
Chain of Custody Filled Out:		2. No Date	Invoice,	2/28/19 TH
Chain of Custody Relinguished:		3.	· · · ·	- yey - e
Sampler Name & Signature on COC:		4.		
Samples Arrived within Hold Time:	Yes INO	5.	· · · · · · · · · · · · · · · · · · ·	
- VOA Samples frozen upon receipt	Yes No	Date/Time:	· ·	
Short Hold Time Analysis (<72hr):	TYes DNo	6.		
Rush Turn Around Time Requested:	Yes IZNO	7.		•
Sufficient Volume:		8.		
For Analysis: Pres DNo MS/MS				
Correct Containers Used:	EYes DNo	9.		
-Pace Containers Used:			•	
-Pace IR Containers Used:				
Containers Intact:	Yes No	10.		
Filtered volume received for Dissolved tests		11.		
Sample Labels match COC:		12.	1. 6.	In And Th
-Includes date/time/ID/Analysis Matrix:	<u> </u>	1004 had	a no time	- 70 MIVIAI - MI
Trip Blank Present:		13.	· · · ·	
Trip Blank Custody Seals Present		`		
Client Notification/ Resolution:			checked, see attached for	m for additional comments
Person Contacted:	Date	/Time:		
ander and an and a start of the second s Second second	· · · · · · · · · · · · · · · · · · ·	········		
n an	A _A			ordia
Project Manager Review:	11/10	VC UM	Date:	01281171

		ſ				
WIS RAPIDS, WI 54495 7159973136		SITE	CELL	TICKET #	OPERATO	DR
, 1999, 3190		D1		578956	41731	
			TRUCK	CONTAINER	LICE	NSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV3			
2531 DYRESON RD MC FARLAND, WL 53558	INVOICE		R	EFERENCE	IN	OUT
	INBOUND				8/20/19 12:43 pm	8/20/19 1:01 pm

CONTRACT: 1 BOL:	9052B RIZZ	O FARM C SOIL	GROSS TARE NET	67,920.00LB 29,180.00LB 38,740.00LE	S Scale In S Scale Out SS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
19.37	TN	C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00			

CERTIFIED WEIGHT TICKET

I hereby certify that this load does not contain any unauthorized hazardous waste.

Dalle Shi-SIGNATURE:_

Total Paid

Change

Check#

Recpt #

CONVERSE CALER LANDFILL		\int					
WIS RAPIDS, WI 54495		SITE	CELL	TICKET #		OPERATO	R
0000		D1		579008		41731	
			RUCK	CONTAINE	2	LICEN	VSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV3				
2531 DYRESON RD MC FARLAND, WI 53558			\$	REFERENCE		IN	ουτ
	INBOUND					8/21/19 6:03 am	8/21/19 6:03 am

CONTRACT: BOL:	19052B RIZZ	O FARM C SOIL	GROSS TARE NET	69,220.00L 29,180.00L 40,040.00L	BS Scale In BS Tare Out BS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.02	TN	C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00			
		•		····· -,	1	• <u>.</u>	

CERTIFIED WEIGHT TICKET

I hereby certify that this load does not contain any unauthorized hazardous waste.

Darreg SIGNATURE:

Total Paid Change Check#

Recpt #

CRANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 7159973136		SITE D1	CELL	T) 5	ICKET #	OPERATO 41731	DR
			TRUCK		CONTAINER	LICE	NSE
2531 DYRESON RD MC FAPI AND WI 53558				REFERE	INCE	IN	OUT
	INVOICE					8/21/19 10:44 am	8/21/19 10:44 am
	GROS	S 73	3,620.00L	BS Sca	le In		

CONTRA	CONTRACT: 19052B RIZZO FARM C SOIL BOL:			73,620.00LB 29,180.00LB 44,440.00 LE	S Scale In S Tare Out SS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.22	TN	C-Soll 33B@Pet LubeGS-ADC-EXT	EX	100.00			, , , , , , , , , , , , , , , , , , ,
CERTIFIEI I hereby cer SIGNAT	WEIGHT TICKE	T Dees not contain any unauthorized hazardous waste.	· · · · · · · · · · · ·			Total Pald Change Check# Recpt # CUS	STOMER COPY

CRANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495		SITE	CELL	TICKET #	OPER/	
7159973136		D1		579086	417	31
			TRUCK	CONTAIN		CENSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV8			
2531 DYRESON RD			R	REFERENCE	. IN	ол
	INVOICE				8/21/19 12:31 pr	8/21/19 n 12:50 pm
	GROS	S 74	920.0018	S Scale In		

CONTRACT: BOL:	19052B RIZZ	O FARM C SOIL	TARE	29,520.00LB 45,400.00 LE	IS Scale Out IS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.70	TN	C-Soll 33B@Pet LubeGS-ADC-EXT	EX	100.00			
CERTIFIED WE	IGHT TICKET	F			.,	Total Paid Change	- <u></u>

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Check# Recpt #

CRANBERRY CREEK LANDFILL							
WIS RAPIDS, WI 54495		SITE	CELL	TIC	CKET #	OPERATO)R
122212120		D1		57	79127	41731	
			TRUCK		CONTAINER	LICE	NSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV3	<u> </u>			
2531 DYRESON RD MC FARLAND, WI 53558		{	R	EFERE	ICE	IN	OUT
	INBOUND					8/21/19 3:48 pm	8/21/19 3:48 pm

CONTRACT; 1 BOL:	19052B RIZZ	O FARM C SOIL	GROSS TARE NET	75,320.00LB 29,180,00LB 46,140.00 LE	S Scale In S Tare Out IS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE .	TAX	TOTAL
23.07	TN	C-Soll 33B@Pet LubeGS-ADC-EXT	EX	100.00			
CERTIFIED WEI		<u></u>				Total Paid	
 I hereby certify the SIGNATURE	et this load do	es not contain any unauthorized hazardous waste.	· · · · · · · ·	· ·		Change Check# Recpt # CU	STOMER COPY

LKANDERKY LKEEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 7159973136		SITE	CELL	1	IICKET #		OPERATO	R
		D1			579142		41731	
		TRUCK		CONTAINER		<u>R</u>	LICE	VSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV3					
2531 DYRESON RD MC FARLAND WI 53558				REFER	ENCE		IN	OUT
	INBOUND						8/22/19 8:09 am	8/22/19 8:09 am
<u> </u>	CROS	C 7	200.001	PC Se	alo Te	_		

CONTRACT: 1 BOL:	.9052B RIZZ	O FARM C SOIL	TARE NET	71,300.00LB 29,180.00LB 42,120.00LE	S Scale In S Tare Out · IS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
21.06	TN	C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00			
RTIFIED WEI	GHT TICKET at this load do	es not contain any unauthorized hazardous waste.] 			Total Paid Change Check# Recpt #	
IGNATURE	<u>: `U</u>	un				CUS	STOMER COPY

CRANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 2159973136		SITE	CELL	TICKET #	OPERAT	OR
		D1		579163	4173	1
		TRUCK		CONTAINE	R LIC	ENSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV8			
2531 DYRESON RD MC FARLAND WI 53558	110 /0105		1	REFERENCE	IN	ол
	INBOUND				8/22/19 10:04 am	8/22/19 10:04 am

CONTRACT: 19052B RIZ BOL:	ZO FARM C SOIL	GROSS TARE NET	76,240.00LB 29,520.00LB 46,720.00LB	:			
QTY UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL	
23.36 TN	C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00				

CERTIFIED WEIGHT TICKET

I hereby certify that this load does not contain any unauthorized hazardous waste.

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Total Pald Change

Check# Recpt #

CKANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 7150973136		SITE	CELL	тіск	ET #	OPERAT	OR
,15,5,5150		D1		579	167	41731	
			RUCK		CONTAINER	LICE	NSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV2				
2531 DYRESON RD MC FARLAND WIL 53558			F	REFERENC	E.	IN	ол
	INVOICE INBOUND					8/22/19 10:06 am	8/22/19 10:25 am

CONTRACT: BOL:	19052B RIZZ	O FARM C SOIL	GROSS TARE NET	76,920.00L 30,000.00L 46,920.00L	BS Scale In BS Scale Out BS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
23.46	TN	C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00			
CERTIFIED WE	IGHT TICKET	es not contain any unauthorized hazardous waste.				Total Pald Change	

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CRANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 7159973136		SITE	CELL	TICKET #	OPERATO	DR
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		D1		579198	41731	
			TRUCK	CONTAINER	LICE	NSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV3			
2531 DYRESON RD MC FARLAND WI 53558	The /01/05		1	REFERENCE	IN	ουτ
	INBOUND				8/22/19 12:50 pm	8/22/19 12:50 pm

CONTRACT: BOL:	CONTRACT: 19052B RIZZO FARM C SOIL BOL:		GROSS TARE NET	75,240.00LE 29,180.00LE 46,060.00 LI	IS Scale In IS Tare Out IS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
23.03	TN	C-Soll 33B@Pet LubeGS-ADC-EXT	EX	100.00			
CERTIFIED WE	GHT TICKE	ſ		1		Totai	

I hereby certify that this load does not contain any unauthorized hazardous waste.

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Change Check# Recpt #

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CRANBERRY CREEK LANDFILL							
WIS RAPIDS, WI 54495		SITE	CELL	TICKET #		OPERATO	R
1337/3130		D1		579234		41731	
			RUCK	CONTAINE	R	LICEN	ISE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			VAVIS8				
2531 DYRESON RD MC FARLAND, WL 53558			R	EFERENCE		IN	ол
	INBOUND				8, 3	/22/19 :11 pm	8/22/19 3:14 pm

CONTRACT: BOL:	19052B RIZZ	O FARM C SOIL	GROSS TARE NET	70,820.00LB 29,520.00LB 41,300.00LE	IS Scale In IS Tare Out IS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
20.65	TN	C-Soll 33B@Pet LubeGS-ADC-EXT	EX	100.00			
CERTIFIED WE I hereby certify th SIGNATUR		es not contain any unauthorized hazardous waste.				Total Pald Change Check# Recpt # Cl	JSTOMER COPY

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CRANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 7159973136 001017 SEYMOUR ENVIRONMENTAL SERVICES INC 2531 DYRESON RD MC FARLAND WI 53558		SITE	CELL	TICKET #	OPERATO	OR
		D1		579235	41731	
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			TRUCK	CONTAINE	R LICE	NSE
		1	NAV2			
2531 DYRESON RD MC FARLAND, WL 53558			F	REFERENCE	IN	OUT
	INBOUND				8/22/19 3:15 pm	8/22/19 3:15 pm

CONTRACT: 19052B RIZZO FARM C SOIL BOL:				74,080.00LE 30,000.00LE 44,080.00 LI	35 Scale In 35 Tare Out 85		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE `	TAX	TOTAL
22.04	TN	C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00			
CERTIFIED WE	IGHT TICKE	Г Т		1		Total	

CERTIFIED WEIGHT TICKET

I hereby certify that this load does not contain any unauthorized hazardous waste.

SIGNATURE: Howard Schul

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Change Check# Recpt #

CRANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 7159973136		SITE	ŒLL	TICKET #	OPERATO	DR
		D1		579249	41731	
			TRUCK	CONTAINER	LICE	NSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV3			
2531 DYRESON RD			 א	EFERENCE	IN	ΟυΤ
	INBOUND				8/23/19 6:03 am	8/23/19 6:03 am

CONTRACT: 19052B RIZZO FARM C SOIL BOL:			GROSS TARE NET	74,560.00L 29,180.00L 45,380.00 L	BS Scale In BS Tare Out BS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
22.69	TN	C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00			

CERTIFIED WEIGHT TICKET

I hereby certify that this load does not contain any unauthorized hazardous waste.

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Total Paid Change Check# Recpt #

CRANBERRY CREEK LANDFILL 2510 ENGEL ROAD WIS RAPIDS, WI 54495 7150072136		SITE	CELL	TICKET #	OPERAT	OR
0615/6651		D1		579299	41731	l
			TRUCK	CONTAINER	LICE	NSE
001017 SEYMOUR ENVIRONMENTAL SERVICES INC			NAV3			
2531 DYRESON RD MC FARLAND, WI 53558			R	EFERENCE	IN	OUT
	INBOUND				8/23/19 11:10 am	8/23/19 11:10 am

	TARE	29,180.00LE 52,500.00LE	IS Tare Out		
DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
C-Soil 33B@Pet LubeGS-ADC-EXT	EX	100.00	-		
es not contain any unauthorized hazardous waste.				Total Paid Change Check#	
	DESCRIPTION C-Soll 33B@Pet LubeGS-ADC-EXT es not contain any unauthorized hazardous waste.	DESCRIPTION ORIGIN C-Soil 33B@Pet LubeGS-ADC-EXT EX es not contain any unauthorized hazardous waste. A	DESCRIPTION ORIGIN C-Soll 33B@Pet LubeGS-ADC-EXT EX 100.00 es not contain any unauthorized hazardous waste.	DESCRIPTION ORIGIN % RATE C-Soil 33B@Pet LubeGS-ADC-EXT EX 100.00 Inclusion es not contain any unauthorized hazardous waste. Inclusion Inclusion	DESCRIPTION ORIGIN % RATE TAX C-Soil 33B@Pet LubeGS-ADC-EXT EX 100.00 Image: Constant of the second seco

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SEYMOUR ENVIRONMENTAL SERVICES, INC.

P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin 53558 Telephone: 608-838-9120

September 20, 2018

Mr. Jon Heberer Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Madison, Wisconsin 53711

Re: Bid Request - Soil Excavation/Disposal Sam Miller Property Hillpoint, Wisconsin 53937

Dear Jon,

Thank you for your time discussing this project today. Thank you for allowing me to submit this cost request using the U&C rates and not a compliant contractor bid. I would like to have the budget approved so we are ready when the construction season slows a bit and I am able to get an excavator and trucks for hauling.

As I mentioned I have solicited bids from several contractors. Only one has responded and his rates caused us to exceed the allowable U&C rates. Two of the contractors have said they would get me bids but have not yet done so. I will obviously find a contractor that will allow us to meet or beat the state rates prior to proceeding with the work.

My budget request is for the excavation of 1,000 tons of contaminated soil. It will require the removal and replacement of approximately 400 tons of clean overburden. I am requesting \$67,625.12. I believe that we will be able to remove a significant volume of the contaminated soil. Some contaminated soil will remain due to the depth of the contamination (39 ft bgs). I have attempted to leave sufficient funds to allow the installation of a monitoring well if it is required to obtain closure. I believe the water supply well can serve that purpose. Also included is the cost to sample the water supply well.

Once I receive the results of the excavation sidewall sampling I will prepare a letter report and we can discuss the next steps to closure. Please call me at 608-838-9120 or 608-225-9407 if you have any questions regarding this matter.

Sincerely, Seymour Environmental Services, Inc.

Rokyn Sugneon

Robyn Seymour, P.G. Hydrogeologist

Enclosures:

U&C form Proposed Excavation Map

Usual and Customary Standardized Invoice #24 January 2018- July 2018





PECFA #: 53937-7309-32	Vendor Name:	Seymour		
BRRT's #: 03-53-554361	Invoice #:	Cost Request	U&C Total \$	67,625.12
Site Name: Rizzo Property	Request Date:		Variance to U&C Total \$	-
Site Address: 33832 Highway 154, Hillpoint	Check #:		Grand Total \$	67,625.12

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,039.29	1	\$ 1,039.29
24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	\$ 4.94	1000	\$ 4,940.00
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	\$ 831.92	1	\$ 831.92
24	Limited Soil Excavation	Commodity	LSE13	Laboratory (see task 24 total on Lab Schedule)	Lab Schedule		10	\$ 360.20
24	Limited Soil Excavation	Commodity	LSE15	Limited Soil Excavation	Ton	\$ 60.00	1000	\$ 60,000.00
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule		1	\$ 71.93
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob	Site	\$ 287.18		\$ -
35	Cap Maintenance Plan		CMP05	Cap Maintenance Plan	Plan	\$ 320.04		\$ -
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1	\$ 381.78

Variance Variance

Usual and Customary Standardized Invoice #23 January 2018- July 2018



RR-092A

		TOTAL LAB CHARGES	#######	TASK 33	1	\$	71.93	TASK 24	i 10	\$	360.20
MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	I	OTAL	MAX COST	SAMPLES		TOTAL
WATER	W5	VOC	SAMPLE	\$ 71.93	1	\$	71.93			C.	
WATER	W21	EDB Method 504	SAMPLE	\$ 95.45		\$	-	MAX COST	SAMPLES		TOTAL
SOILS	S1	GRO	SAMPLE	\$ 24.78		\$	-	\$ 24.7	8	\$	-
SOILS	S2	DRO	SAMPLE	\$ 30.35		\$	-	\$ 30.3	5	\$	-
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$	-	\$ 28.1	4	\$	-
SOILS	S4	PVOC	SAMPLE	\$ 25.83		\$	-	\$ 25.8	3	\$	-
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$	-	\$ 49.4	6	\$	-
SOILS	S 6	PVOC + Naphthalene	SAMPLE	\$ 36.02		\$	-	\$ 36.0	2 10	\$	360.20
SOILS	S7	VOC	SAMPLE	\$ 71.93		\$	-	\$ 71.9	3	\$	-
SOILS	S8	SPLP Extraction VOC only	SAMPLE	\$ 50.61		\$	-	\$ 50.6	1	\$	-
SOILS	S9	PAH	SAMPLE	\$ 72.98		\$	-	\$ 72.9	8	\$	-
SOILS	S10	Lead	SAMPLE	\$ 12.39		\$	-	\$ 12.3	9	\$	-
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$	-	ALL STORES	ASK 24 TOTAL	\$	360.20
SOILS	S12	Free Liquid	SAMPLE	\$ 11.24		\$	-				
SOILS	S13	Flash Point	SAMPLE	\$ 25.83		\$	-				
SOILS	S14	Grain Size - dry	SAMPLE	\$ 42.74		\$	-				
SOILS	S15	Grain Size - wet	SAMPLE	\$ 57.33		\$	-				
SOILS	S16	Bulk Density	SAMPLE	\$ 13.55		\$	-				
SOILS	S17	Permeability	SAMPLE	\$ 41.58		\$	-				
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$ 20.27		\$	-				
				TAS	K 33 TOTAL	\$	71.93				



RECEIVED

MAY 1 5 2017

DNR R&R SOUTH CENTRAL REGION

SITE INVESTIGATION WORKPLAN ROBERT AND TERESA RIZZO PROPERTY 22832 STATE HIGHWAY 154 HILLPOINT, WISCONSIN 53937

PREPARED FOR:

JON HEBERER WISCONSIN DEPARTMENT OF NATURAL RESOURCES 3911 FISH HATCHERY ROAD FITCHBURG, WISCONSIN 53711

SAMUEL MILLER 22832 STATE HIGHWAY 154 HILLPOINT, WISCONSIN 53937

MAY 2017

SEYMOUR ENVIRONMENTAL SERVICES, INC.

P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin 53558

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FIGURES

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- Site Location 1
- Site Layout 2

APPENDIX

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- Health and Safety Plan Water Well Log Α
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1.0 INTRODUCTION

This work plan describes the approach to conduct contamination assessment activities around the former agricultural 300-gallon unleaded gasoline underground storage tank (UST) property located at 22832 State Highway 154 Hillpoint, Wisconsin. Seymour Environmental Services, Inc. (Seymour) is conducting this investigation in response to contamination identified beneath the former UST during tank closure/removal. The tank was removed at the request of Samuel Miller as a condition of purchasing the property. Unfortunately, the owner, Robert Rizzo, failed to notify Mr. Miller that the tank had a release.

The objective of this phase of the work is to delimit the extent of the previously-identified soil contamination and determine whether investigation of the groundwater will be required or whether soil removal is a practical solution. We intend to conduct the initial investigation using direct push drilling methods. All work conducted will comply with the requirements of NR 716.

1.1 Site and Consultant Information

Site Location:	Former Robert and Teresa Rizzo Farm 22832 State Highway 154 Hillpoint, Wisconsin 53937 Richland County Town of Willow SW ¼ NE ¼ Section 36 Township 11 North, Range 02 East WTM: X-504006, Y-324142
Owner:	Mr. Samuel Miller 22832 State Highway 154 Hillpoint, Wisconsin 53937
Consultant:	Seymour Environmental Services, Inc. 2531 Dyreson Road McFarland, Wisconsin 53558 Contact: Robyn Seymour (608) 838-9120
Geoprobe/Driller:	Badger State Drilling 360 Business Park Circle Stoughton, Wisconsin 53589 Mark Garwick (608) 877-9770
Laboratory:	Pace Analytical 1241 Bellevue Street, Suite 9 Green Bay, Wisconsin 54302 Contact: Dan Milewsky (920) 469-2436

1.2 Description of Surrounding Area

The site is a farm located near the eastern edge of Richland County (Figure 1). The subject parcel (PN: 032-3614-1000) is 23.2 acres in size and is owned by Samuel and Anna Miller. They own an additional parcel so their farm is 40 acres in size. Properties in the area are rural properties and mostly farms; a cemetery is located east of the site across State Highway 154.

1.3 Site History and Usage

The property has been owned by Samuel and Anna Miller since 2009. The Millers purchased the farm from Robert and Teresa Rizzo. A number of buildings are present at the farmstead including a house, garage, two barns, and a shed. An underground storage tank (UST) was present at the farm and was used by the owner prior to the Rizzo's for the farm equipment.

1.4 Summary Previous Environmental Activities

Robert Rizzo had the 300-gallon unleaded gasoline UST removed at the site in 2009. A tank closure assessment was conducted by Marell, Inc. As part of the assessment a soil sample was collected 12 inches below the UST during tank closure. The soil sample was analyzed for gasoline range organics (GRO). The sample contained GRO (1,900 mg/kg) in excess of the closure assessment guidelines. The release was reported to the Wisconsin Department of Natural Resources (WDNR) on September 14, 2009.

1.5 Geologic Setting

Topography

The area is characterized by deeply dissected bedrock plateaus with narrow ridges and steep sided valleys. The property is located along a ridge at an elevation of approximately 1,105 feet above mean sea level. The site slopes toward the north, south and west. Surface water flow is to the north.

Soil and Geology

Hillpoint is located in the driftless area of southwestern Wisconsin. Soils at the former tank location are mapped as Valton silt loam series which consist of soils on unglaciated uplands. The Valton silt is gently to steeply sloping with 6-30 percent slopes which are moderately eroded. They formed in loess and the cherty clay residuum from dolomite. The surface layer of the Valton silt loam is dark gray silty loam to a depth of \sim 2 feet where it changes to cherty clay until bedrock is encountered. These soils are moderately permeable in the loess mantel and have low permeability in the underlying cherty clay.

Bedrock is present within \sim 7-15 feet of the surface. The bedrock is Ordovician-age dolomite. The highest ridges are capped with the Oneota Dolomite Formation part of the Prairie du Chien Group. Below the dolomite is the Trempealeau Group-the Jordan Sandstone Formation and the St. Lawrence Siltstone and Dolomite Formation.

Hydrogeology

The site is located near the crest of a ridge. Surface water drainage is toward the north. An unnamed ephemeral stream is present within a small valley approximately 1,000 feet north of the tank area. This drainage flows to Lost Hollow Branch which is a tributary of Willow Creek.

Groundwater is present at a depth of ~165 feet based on the well information from the farm. Locally, surface and groundwater flow direction is controlled by the bedrock topography. The water level noted in the water-supply well is approximately 940 feet msl. The stream valley north of the site, Lost Hollow Branch, is located at an elevation of ~ 870 feet msl. Based on the relative elevation we believe local groundwater flow within bedrock aquifer is toward the northwest.
2.0 PROPOSED SITE INVESTIGATION ACTIVITIES

2.1 Source Area Soil Characterization

Current Status

Only a single soil sample has been collected at the site. The sample collected below the former UST indicates petroleum related contamination is present in the tank area at a depth of approximately 5 feet.

Proposed Activities

Soil sampling will be conducted in the former UST area. At a minimum 5 soil borings will be installed in the area of concern. The first boring will be installed in the former tank basin to determine the depth of the contamination. The others will be installed radially around the tank basin to determine the extent of the contamination. Sampling will be performed using direct push methods. Soil samples will be collected continuously from the surface until contamination is no longer suspected or we encounter refusal or groundwater. Bedrock is anticipated to be at a depth less than 10 feet. Soil samples will be described texturally in the field and notation of petroleum odors or staining will be made. Soil samples also will be screened for organic vapors using a photoionization detector equipped with a 10.6 eV lamp.

Based on the field observation and organic vapor screening soil samples will be selected for laboratory analysis. Selected soil samples will be sent to Pace Analytical, a WDNR-certified laboratory, for analysis. Soil samples will be selected to characterize the levels of soil contamination in the source area. Additionally, analytical samples will be collected to delimit the lateral (and vertical if appropriate) extent of the impacted soils. Soil samples will be analyzed for PVOC+naphthalene. We do not expect any shallow soil contamination. If contamination is suspected in the shallow, direct-contact horizon (<4 feet deep) a sample will be analyzed for PVOC+naphthalene and PAHs.

If obvious contamination is present in any of the planned borings additional sampling points will be installed to attempt to define the extent of the soil contamination during one investigation event.

2.2 Extent and Distribution of Contaminants in Groundwater

No groundwater assessment samples have been collected at the site. A water sample was collected from the water-supply well in May 2015. This sample was analyzed for PVOCs; trace levels of toluene were detected in the sample. A second sample will be collected of groundwater from the private well and analyzed for VOCs. We do not expect that groundwater will be impacted since it is very deep and in the bedrock.

2.3 Reporting

Upon completion of the proposed activities a Site Investigation Report will be prepared. The report will include a description of site work, maps of sampling locations, and tables of analytical data. Additionally, recommendations for additional assessment or remedial activities will be included in the report.

3.0 QUALITY ASSURANCE PLAN

All sampling equipment will be decontaminated between samples by washing in a solution of ALCONOX and water and triple rinsing with clean water. We will label all samples with the sample identification, date, and time of collection. Appropriate chain of custody forms provided by the laboratory will be prepared. Samples will be stored on ice with the appropriate preservative, as indicated in the Tables. Pace Analytical will perform the requested analyses on the samples.

The photoionization meter will be calibrated before use with a known concentration of isobutylene. We are conducting this work with a direct push drill rig so there will be minimal investigative waste. Sample preservation and analytical methods are compiled in the following tables. Soil samples will be analyzed for petroleum volatile organic compounds plus naphthalene (PVOC + naph) and/or polynuclear aromatic hydrocarbons (PAHs). Groundwater samples from geoprobes will be analyzed for PVOC + naph; samples from the private well and if applicable, monitoring wells initially for volatile organic compounds (VOC). The method detection limits will be determined by Pace Analytical.

Soil Sample Containers, Preservation, and Analytical Methods Robert and Teresa Rizzo Farm							
Parameter	Container	Preservation	Analytical Method				
PVOC+ naphthalene	(1) 40-ml glass vial with Teflon septa	methanol, 4 °C	SW-846 8020B				
РАН	(1) 60-ml amber glass jar with Teflon septa	ice, 4 °C	SW-846 8020B				

Groundwater Sample Containers, Preservation, and Analytical Methods Robert and Teresa Rizzo Farm						
Parameter	Container	Preservation	Analytical Method			
VOC/PVOCs	(3) 40-ml VOA vials	HCl, 4 °C	SW-846 8260 B (GC/MS)			

4.0 REFERENCES

Duane Simonson, Soil Survey of Richland County Wisconsin, USDA, 2006

Wisconsin Department of Natural Resources, 2013, Wisconsin Administrative Code, Chs. NR 700-749, <u>Investigation and Remediation of Environmental Contamination</u>.

Wisconsin Department of Natural Resources, 2015, Wisconsin Administrative Code, Chs. NR 140, <u>Groundwater Quality</u>.

Questions about this work plan should be directed to Robyn Seymour or Mark Fryman at (608) 838-9120.

Sincerely, Seymour Environmental Services, Inc.

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Robyn Seymour

FIGURES





APPENDIX A

HEALTH AND SAFETY PLAN

1.1 Hazard Evaluation

Potential health and safety hazards to be encountered during the site investigation include the physical hazards associated with drilling and the chemical hazards associated with petroleum hydrocarbons. Additionally, hazards associated with working in the vicinity of utilities (natural gas pipelines, electrical lines) will be a concern during site work. To minimize the potential hazard from utilities Digger's Hotline will be contacted prior to conducting site work and utilities will be located. Neither heat nor cold stress is anticipated since the work will be conducted during the springtime. The contaminants at the site include benzene, ethylbenzene, toluene, xylenes and other motor fuel related hydrocarbons. The exposure limits for the contaminants of concern are summarized in Table 1.

Following safe work practices and wearing appropriate personal protective equipment (PPE) as described in Section 1.3 will minimize physical hazards associated with drilling. Monitoring site conditions (section 1.2) and wearing appropriate PPE (section 1.3) will minimize chemical hazards.

Contaminant	Threshold Limit Value (8-hr TWA)	Short Term Exposure Limit (15-min TWA)	Skin Designation	Ionization Potential (eV)	Odor Threshold
Benzene	1 ppm	5 ppm	Y	9.25	4 ppm
Ethylbenzene	100 ppm	125 ppm	N	8.76	200 ppm
Toluene	100 ppm	150 ppm	N	8.82	2 ppm
Xylenes	100 ppm	150 ppm	N	8.45-8.56	

TABLE 1: Exposure Limits

1.2 Exposure Monitoring Plan and Action Levels

Breathing zone air monitoring will be performed during potentially hazardous site activities in accordance with the schedule summarized in Table 2.

Hazard Type	Monitoring Method	Action Level	Action
Organic Vapors OVI		During drilling	Monitor breathing zone at 15-min. intervals. Level D PPE.
	OVM	> 10 ppm	Increase to continuous monitoring.
		> 20 ppm	Change to Level C PPE and continue monitoring.
		> 200 ppm	Wait for levels to decrease before continuing.

TABLE 2: Exposure Monitoring Plan and Action Levels

1.3 Personal Protective Equipment

Site workers will begin work with Level D PPE, as described in Table3. PPE may be upgraded to Level C (Table 3) based on the results of the exposure monitoring.

TABLE 3: Personal Protective Equipment

PPE Level	PPE Description
	• Hardhat (to be worn during site activities with potential overhead hazards)
	Steel-toe shoes
Level D	Chemical resistant gloves
	Safety glasses
	Air-purifying respirator
	• Chemical-resistant clothing (e.g., Tyvek coveralls, splash suit)
	• Inner and outer chemical-resistant gloves
Level C	Boot covers
	• Hardhat
	• Steel-toe shoes
	• Safety glasses, if half-face respirator is used

1.4 Contingency Plan

Site Information and Emergency Contacts

Site Name and Address:	Sam Miller F 22832 Highw Hillpoint, Wi	arm /ay 154 sconsin 53937
Project Manager:	Ms. Robyn S (608) 838-912	eymour 20
Emergency Numbers:	Ambulance Police Fire	911 911 911
Area Hospital:	Richland Hos 333 E 2 nd Str Richland Cer (608) 524-64	spital eet ater, Wisconsin 87

Directions from Site to Hospital

Exit property to right (west) on WI-154 (4 miles) Turn left onto WI-58 (3.4 miles) Turn right onto Willow Creek Road (0.6 miles) Turn right onto CR-NN/CR-N (1.2 miles) Turn left to stay on CR-N (4.8 miles) Turn right onto S Sheldon Street (0.2 miles) Turn left onto Union Street Next right onto N Park Street Next right onto E 1st Street Left not N Pearl Street

Wel 6 WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH See Instructions on Reverse Side Town -1. County ... Village 🗍 City give name ection 2. Location _... Name of street and number of prem S. Owner d or Agent 🗌 . Name of una Miscon 4. Mail Address _____ 5. From well to nearest: Building_____ft; sewer___ ft; drain____ft; septic tank 90 ft;____ dry well or filter bed 45_ft; abandoned well_75_ft. 6. Well is intended to supply water for: _____ x..... 7. DRILLHOLE: 10. FORMATIONS: From (ft) Dis. (in.) | From (it.) | To (it.) || Dis. (is.) | From (it.) | To ([1.) (IL) Kind ルキ 7*0* Ô 43 h 250 Ł 8. CASING AND LINER PIPE OR CURBING: 0 Dia. (In.) Kind and Weight From (It.) To (ft.) 4 200 200 250 .. 1925 9. GROUT: Kind From (1 h) To (IL) . A1 NIVILI ENVISO 43 Λ SANI Construction of the well was completed on: 11. MISCELLANEOUS DATA: 19 The well is terminated _____ I.O.____ inches Yield test: _____ Hrs. at ____O__ GPM. above, below 🗌 the permanent ground surface. Depth from surface to water-level: _____ ___ ft. Was the well disinfected upon completion? Water-level when pumping: _____ft. Yes____No____ Water sample was sent to the state laboratory at: Was the well sealed watertight upon completion? ham 5 1959 ---- 00 -----Yes No__ Signature _. Registered Well Driller **Complete Mail Address** Please do not write in space below 10 ml 10 ml 10 ml 10 ml 10 m] Rec'd_ No Ans'd . Gaz-24 hrs. 48 hrs. Interpretation - ----Confirm ----B. Coll Examiner

RECEIVED AUG 1 4 2017 DNR R&R SOUTH CENTRAL REGION

SITE INVESTIGATION RIZZO PROPERTY (BRRTS 03-53-554361) 22832 STATE HIGHWAY 154 HILLPOINT, WISCONSIN 53937

PREPARED FOR:

JON HEBERER WISCONSIN DEPARTMENT OF NATURAL RESOURCES 3911 FISH HATCHERY ROAD FITCHBURG, WISCONSIN 53711

SAMUEL MILLER 22832 STATE HIGHWAY 154 HILLPOINT, WISCONSIN 53937

AUGUST 2017

SEYMOUR ENVIRONMENTAL SERVICES, INC.

P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin 53558

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- 2 Summary of Groundwater Analytical Data from Water Supply Well

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- A Analytical Reports
- B Boring Logs

1.0 INTRODUCTION

A site investigation with a Geoprobe[™] was conducted at the former Rizzo farm. The objective of this phase of the work was to characterize the levels and extent of the soil contamination identified during tank closure sampling. Additionally, the depth distribution of the contamination was evaluated to determine whether investigation of the groundwater would be required.

During the assessment soil contamination exceeding WDNR standards was identified in soils beneath the former UST. This contamination extended to the depth of refusal at 39 feet. Soil contamination also was identified in sample points as far as 25 feet to the west northwest of the former UST. The identified contamination in that area is present near the terminus of the borings from 20 to 25 feet below grade.

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Geoprobe/Driller:	On-site Environmental Services, Inc. P.O. Box 280 Sun Prairie, Wisconsin 53590 Kim Kapugi (608) 837-8992
Laboratory:	Pace Analytical 1241 Bellevue Street, Suite 9 Green Bay, Wisconsin 54302 Contact: Dan Milewsky (920) 469-2436

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The property has been owned by Samuel and Anna Miller since 2009. The Millers purchased the farm from Robert and Teresa Rizzo. A number of buildings are present at the farmstead including a house, garage, two barns, and a shed (Figure 2). An underground storage tank (UST) was present at the farm and was used for farm equipment.

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Robert Rizzo had the 300-gallon unleaded gasoline UST removed at the site in 2009. A tank closure assessment was conducted by Marell, Inc. As part of the assessment a soil sample was collected 12 inches below the UST during tank closure. The soil sample was analyzed for gasoline range organics (GRO). The sample contained GRO (1,900 mg/kg) in excess of the closure assessment guidelines. The release was reported to the Wisconsin Department of Natural Resources (WDNR) on September 14, 2009.

Seymour collected a sample from the water supply well in May 2015. The sample was analyzed for PVOCs+naphthalene. A low level of toluene was present in the water sample.

1.5 Geologic Setting

Topography

The area is characterized by deeply dissected bedrock plateaus with narrow ridges and steep sided valleys. The property is located along a ridge at an elevation of approximately 1,105 feet above mean sea level. The site slopes toward the north, south and west. Surface water flow is to the north.

Soil and Geology

Hillpoint is located in the driftless area of southwestern Wisconsin. Soils at the former tank location are mapped as Valton silt loam series which consist of soils on unglaciated uplands. The Valton silt is present on gently to steeply hillsides with 6-30 percent slopes which are moderately eroded. They formed in loess and the cherty clay residuum from dolomite. The surface layer of the Valton silt loam is dark gray silty loam to a depth of ~2 feet where it changes to cherty clay until bedrock is encountered. These soils are moderately permeable in the loess mantel and have low permeability in the underlying cherty clay.

Bedrock in the area typically is present within ~7-15 feet of the surface. The bedrock is Ordovician-age dolomite. The highest ridges are capped with the Oneota Dolomite Formation part of the Prairie du Chien Group. Below the dolomite is the Trempealeau Group - the Jordan Sandstone Formation and the St. Lawrence Siltstone and Dolomite Formation.

Hydrogeology

The site is located near the crest of a ridge. Surface water drainage is toward the north. An unnamed ephemeral stream is present within a small valley approximately 1,000 feet north of the tank area. This drainage flows to Lost Hollow Branch which is a tributary of Willow Creek.

Groundwater is present at a depth of ~165 feet based on the well information from the farm. Locally, surface and groundwater flow direction is controlled by the bedrock topography. The water level noted in the water-supply well is approximately 940 feet msl. The stream valley north of the site, Lost Hollow Branch, is located at an elevation of ~ 870 feet msl. Based on the relative elevation we believe local groundwater flow within the bedrock aquifer is toward the northwest.

2.0 SITE INVESTIGATION ACTIVITIES

2.1 Soil Sampling

Seymour and On-site Environmental Services, Inc. (On-site) met at the site on June 30, 2017 to conduct the soil sampling. During the work five borings were installed at the site. Refusal was encountered in three of the borings which varied in depth from 14 to 39 feet below grade. Based on local water-supply well logs we believe that the refusal encountered at 39 feet was at the top of bedrock. Shallower refusal encountered at the other borings was likely caused by larger chert fragments within the colluvial deposits. The boring locations are shown on Figure 3.

During drilling soil samples were collected continuously through the sample column. Soil samples were described in the field. Additionally, soil samples were field screened for organic vapors using a photoionization detector equipped with a 10.6 eV lamp. Based on field observations and organic vapor screening soil samples were selected for laboratory analysis. Those samples were sent to Pace Analytical, a WDNR-certified laboratory, to be analyzed for PVOC+naphthalene. Information from each of the five borings is discussed below. Soil analytical data is compiled in Table 1; boring logs and laboratory report are included in the Appendices.

The first boring, B-1, was installed at the location of the former underground gasoline tank (UST). Soil sampling was conducted until refusal was encountered at 39 feet below the surface. Based on local geology we believe that refusal occurred at bedrock. Soils at the boring were comprised of sandy fill to a depth of ~7 feet. The fill was underlain by interbedded silty clay with chert fragment and thin sand layers to a depth of 25 feet. Deeper soils were sand and sandy silt. Organic vapor screening indicates high levels of contamination from below the fill (10 feet) to a depth of ~30 feet; organic vapor levels within these soils were typically greater than 1,000 vppm. At depths greater than 30 feet the organic vapor levels declined to less than 100 vppm. Contamination was present throughout the soil column. Seven soil samples from approximately 5 foot intervals were selected for laboratory analysis. Sample analysis indicates that petroleum contaminant levels were present in the soils from 10 to 30 feet below the fill to the bedrock. Very high contaminants were identified in the soil sample collected 35 feet below the surface. This sample was collected within a clayey horizon.

The next boring (B-2) was installed between the former UST and the water supply well. A large tree and garage affected the locations where borings could be installed. This boring was extended to refusal at a depth of 24.5 feet. Soils in this location were sand and sandy silt to a depth of approximately 10 feet. Soils deeper than 10 feet were comprised of silty clays with chert fragments interbedded with thin sand and chert layers. No evidence of contamination was noted during drilling at this boring. A single soil sample collected at 24.5 feet was selected for analysis. No analytes were detected in the soil sample.

Boring B-3 was installed ~15 feet east of the tank toward the house. The boring was advanced to refusal at 14 feet. Soils in this boring were comprised of silty clays with chert fragments. Thin sandy layers were present within the silty clay from 10-14 feet below grade. No contamination was indicated by field observation or organic vapor screening from the surface to a depth of ~10 feet. Higher organic vapor levels (18 vppm) and slight petroleum odors were noted in the soils from 10-14 feet below grade. A single sample from the boring was selected for laboratory analysis. The sample was collected near the base of the boring where field evidence indicated potential petroleum impacts. Low levels of several PVOCs were identified in the sample but concentrations present were below WDNR RCLs.

Boring B-4 was installed ~ 10 feet to the west of the former tank bed. This boring was advanced to 25 feet. Soils throughout this boring were comprised of silty clays with chert. From 12 to 20 feet the silty clay contained thin layers of sand. No evidence of petroleum contamination was noted in soils from the

surface to a depth of ~20 feet. Elevated organic vapor levels (20 vppm) were noted in the soil around 20 feet but dissipated by 25 feet depth. Two soil samples were selected for laboratory analysis at this boring; one within the contaminated horizon (20 feet), and one at the base of the boring (25 feet). A number of PVOCs were identified in each of the soil samples. In the shallower sample benzene (110 ug/kg) was present above the groundwater pathway RCL. No compounds exceeded WDNR standards in the deeper sample.

Boring B-5 was installed ~25 feet to the west northwest of the tank bed. The boring was advanced to a depth of 25 feet. Soils at this boring were similar to B-4. No evidence of contamination was noted and organic vapor screening levels were less the 1 vppm throughout the boring. A single soil sample collected from near the base of the boring was selected for analysis. Benzene (87.4 ug/kg) was present in the sample in excess of the groundwater pathway RCL. Several other PVOCs were present in the soil sample at low levels.

2.2 Private Well Sampling

A water sample was collected from the water-supply well on June 30, 2017 and analyzed for VOCs. This was the second water sample collected from the water-supply system. A previous sample collected in May 2015 was analyzed for PVOCs. One compound was identified in each of the water samples, toluene. On both occasions toluene was present slightly below 1 ug/l and was less than the limit of quantitation. Results of the water-supply sampling are summarized in Table 2.

3.0 DISCUSSION OF RESULTS

Petroleum related compounds were present in soil samples from three of the five borings at concentrations that exceed WDNR groundwater pathway RCLs. In the source area (former UST bed) soil exceeding groundwater pathway RCLs extended to a depth of 39 feet which is likely the bedrock surface. Soil contamination was identified to the west of the former UST at a depth of 20-25 feet within a sandy horizon. Contaminant levels in this area were much lower than the levels identified immediately beneath the former tank bed. Drilling refusal limited deeper sampling in the points surrounding the former UST bed. The areal extent of identified soil contamination is shown on Figure 3 and the vertical distribution of contamination is depicted on Figure 4.

The release appears to have slightly impacted the water supply well at the site with low levels of toluene.

4.0 **RECOMMENDATIONS**

The former UST and soil contamination is very near the private water supply well. We recommend excavation of the accessible contaminated soil to prevent future migration of the release to the groundwater and the water supply well. Because of the depth of the contamination it may not be possible to remove all of the contamination exceeding groundwater pathway RCLs. An estimated 800-1,000 yards of soil contamination is present. We would likely only be able to remove 400-500 yards due to the total depth of the contamination.

Questions should be directed to Robyn Seymour or Mark Fryman at (608) 838-9120.

Sincerely, Seymour Environmental Services, Inc.

Rokyn Sugneon

Robyn Seymour

FIGURES









TABLES

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				SUMN Rizz	IARY (o Prope	TA OF SOI erty - 22 Hill	ABLE 1 IL ANA 2832 Sta point, V	ALYTIC ate Hig VI	CAL DA hway 1	АТА 54					
Date	Sept 2009					Ge	eoprobe A 06/3	Assessme 0/17	ent					Groundwater	Non-Industrial
SAMPLE	Tank Closure	B-1	B-1	B-1	B-1	B-1	B-1	B-1	В-2	В-3	B-4	B-4	B-5	Pathway RCL	Direct Contact RCL
Depth (ft)	5	8	14	18	25	30	35	39	24.5	14	20	25	25		
GRO	1900	na	na	na	na	na	na	na	na	na	na	na	na	ns	ns
PVOCs															
Benzene	na	1580(J)	6350	138(J)	4270	254	<33.6	903	<29.9	<25.0	110	<25.0	87.4	5.1	1600
1,2 Dichloroethane	na	na	na	na	na	na	na	na	na	na	na	na	na	2.8	652
Ethylbenzene	na	89700	111000	3730	39600	99.4	<33.6	<25.0	<29.9	41.5(J)	119	133	33.3(J)	1570	8020
Methyl-tert-butyl ether	na	1740(J)	3020	79.5 (J)	1730	<25.0	<33.6	<25.0	<29.9	<25.0	<25.0	<25.0	<25.0	27	63,800
Toluene	na	124000	166000	3540	76600	473	<33.6	81.5	<29.9	64.7	680	222	<25.0	1107	818,000
1,3,5 Trimethylbenzene	na	140000	83100	4950	27500	52.3	<33.6	<25.0	<29.9	<25.0	72.4(J)	51.7(J)	<25.0	ns	182,000
1,2,4 Trimethylbenzene	na	404000	248000	149000	82000	173	<33.6	83.7	<29.9	56.0(J)	234	128	41.8(J)	ns	219,000
Total Trimethylbenzenes	na	544000	331100	153950	109500	225.3	<67.2	83.7	<59.8	56.0(J)	306.4	179.7	41.8(J)	1379	ns
Xylenes, -m, -p	na	546000	375000	16000	126000	376	<67.3	199	<59.7	179	682	561	142(J)	ns	ns
Xylene, -o	na	235000	154000	6460	49200	170	<33.6	210	<29.9	77.3	302	244	69.3(J)	ns	ns
Total Xylenes	na	781000	529000	22460	175200	546	<100.9	409	<89.6	256.3	984	805	211.3(J)	3940	260,000
Naphthalene	na	55300	44900	3530	16100	62.7(J)	<33.6	120	<29.9	<25.0	64.9(J)	<25.0	<25.0	658.7	5520

- GRO reported in mg/kg; PVOCs are reported in ug/kg
 - na = not analyzed

- ns = no standard established

Groundwater Pathway RCL (exceedances bold)
Non-industrial Direct Contact Hazard Level (exceedances underlined)
Soil standards from R&R Calculator using Wisconsin defaults

-(J) = present below limit of quantitation

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA FROM WATER-SUPPLY WELL
Rizzo Property - 22832 State Highway 154
Hillpoint, WI

Sample I.D.	Water	r Well	NR	140
Date	05/22/15	06/30/17	ES	PAL
Select VOCs				
Benzene	< 0.40	< 0.50	5	0.5
1,2 Dichloroethane	na	< 0.17	5	0.5
Ethylbenzene	< 0.39	< 0.50	700	140
Methyl-tert-butyl ether	< 0.48	< 0.17	60	12
Toluene	0.73 (J)	0.56 (J)	800	160
1,3,5 Trimethylbenzene	< 0.42	< 0.50	ns	ns
1,2,4 Trimethylbenzene	< 0.42	< 0.50	ns	ns
Total Trimethylbenzenes	< 0.82	<1.0	480	96
Xylenes, -m, -p	< 0.80	<1.0	ns	ns
Xylene, -o	< 0.45	< 0.50	ns	ns
Total Xylenes	<1.25	<1.5	2000	400
Naphthalene	< 0.42	<2.5	100	10

- All results are reported in ug/l

Sample from 2015 analyzed for PVOCs+naphthalene
Sample from 2017 analyzed for VOCs (EPA 8260)
All detected compounds are included in table

- na = not analyzed

- ns = no standard established

- (J) = Detected below limit of quantitation
- NR140 PAL = Preventative action limit (exceedances underlined)

- NR140 ES = Enforcement standard (exceedances bold)



Pace Analytical Services, Inc. 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

May 29, 2015

Robyn Seymour Seymour Environmental Services, INC. 2531 Dyreson Road Mc Farland, WI 53558

RE: Project: SAM MILLER Pace Project No.: 40115394

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Day Milen

Dan Milewsky dan.milewsky@pacelabs.com Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS



CERTIFICATIONS

Project: SAM MILLER Pace Project No .: 40115394

Green Bay Certification IDs 1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 US Dept of Agriculture #: S-76505 Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS



SAMPLE SUMMARY

Project:	SAM MILLER				
Pace Project No	.: 40115394				
Lab ID	Sample ID	Matrix	Date Collected	Date Received	
40115394001	WATER WELL	Water	05/22/15 13:15	05/27/15 08:00	

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project:	SAM MILLER									
Pace Project No.: 40115394										
	and the second	and and the state of the second s		Analytes						
Lab ID	Sample ID	Method	Analysts	Reported	Laboratory					
40115394001		WI MOD GRO	PMS	10	PASI-G					

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc. 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

PROJECT NARRATIVE

Project: SAM MILLER Pace Project No.: 40115394

Method: WI MOD GRO

Description:WIGRO GCVClient:SEYMOUR ENVIRONMENTAL SERVICES, INC.Date:May 29, 2015

General Information:

1 sample was analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All ontena were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards: All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: SAM MILLER

Pace Project No.: 40115394

Sample: WATER WELL	Lab ID: 40115394001		Collected: 05/22/15 13:15			Received: 05/27/15 08:00 Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
WIGRO GCV	Analytical	Method: WI MC	DD GRO							
Benzene	<0.40	ug/L	1.0	0.40	1		05/28/15 14:53	71-43-2		
Ethylbenzene	< 0.39	ug/L	1.0	0.39	1		05/28/15 14:53	100-41-4		
Methyl-tert-butyl ether	<0.48	ug/L	1.0	0.48	1		05/28/15 14:53	1634-04-4		
Naphthalene	<0.42	ug/L	1.0	0.42	1		05/28/15 14:53	91-20-3		
Toluene	0.73J	ug/L	1.0	0.39	1		05/28/15 14:53	108-88-3		
1,2,4-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		05/28/15 14:53	95-63-6		
1,3,5-Trimethylbenzene	<0.42	ug/L	1.0	0.42	1		05/28/15 14:53	108-67-8		
m&p-Xylene	<0.80	ug/L	2.0	0.80	1		05/28/15 14:53	179601-23-1		
o-Xyiene Surrogates	<0.45	ug/L	1.0	0.45	1		05/28/15 14:53	95-47-6		
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		05/28/15 14:53	98-08-8		

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project:	SAM MILLER						
Pace Project No .:	40115394						
QC Batch:	GCV/14470		Analysis Meth	od: WI	MOD GRO		
QC Batch Method:	WI MOD GRO		Analysis Desc	cription: WI	GRO GCV Water		
Associated Lab San	nples: 40115394001						
METHOD BLANK:	1165158		Matrix:	Water			
Associated Lab San	nples: 40115394001						
			Blank	Reporting			
Paran	neter	Units	Result	Limit	Analyzed	Qualifiers	
1,2,4-Trimethylbenz	ene	ug/L	<0.42	1.0	05/28/15 09:24		
1,3,5-Trimethylbenz	ene	ug/L	<0.42	1.0	05/28/15 09:24		
Benzene		ug/L	<0.40	1.0	05/28/15 09:24		
Ethylbenzene		ug/L	<0.39	1.0	05/28/15 09:24		
m&p Xylene		ug/L	<0.80	2.0	05/28/15 09.24		
Methyl-tert-butyl eth	er	ug/L	<0.48	1.0	05/28/15 09:24		
Naphthalene		ug/L	<0.42	1.0	05/28/15 09:24		
o-Xylene		ug/L	<0.45	1.0	05/28/15 09:24		
Toluene		ug/L	<0.39	1.0	05/28/15 09:24		
a,a,a-Trifluorotoluen	e (S)	%	98	80-120	05/28/15 09:24		

LABORATORY CONTROL SAMPLE &	LCSD: 1165159		11	65160						
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.7	21.2	103	106	80-120	3	20	
1,3,5-Trimethylbenzene	ug/L	20	20.0	20.5	100	102	80-120	2	20	
Benzene	ug/L	20	19.4	19.7	97	99	80-120	1	20	
Ethylbenzene	ug/L	20	20.1	20.4	101	102	80-120	2	20	
m&p-Xylene	ug/L	40	40.3	40.8	101	102	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	19.3	19.2	97	96	80-120	1	20	
Naphthalene	ug/L	20	20.1	20.7	101	103	80-120	3	20	
o-Xylene	ug/L	20	20.0	20.2	100	101	80-120	1	20	
Toluene	ug/L	20	19.7	20.0	98	100	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				98	98	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



QUALIFIERS

Project: SAM MILLER Pace Project No.: 40115394

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pace Project No.:	SAM MILLER 40115394				
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40115394001	WATER WELL	WI MOD GRO	GCV/14470		

REPORT OF LABORATORY ANALYSIS

Company Nam	(Please Print Clearly) e: Seymour Environmental Serv	ices		ø	2	And	h dical [®]	1.	14		R MIDWEST	REGION WI: 920-469-2436		Page 1	of 11 Jo 01
Branch/Locatio	on:				alt	MIC	acelebs com	K	0				COC No.	4011	5398
Project Contac	t: Robyn Seymour											Quote #:			0_
Phone:	608-838-9120			C	HA	IN	OF C	US	TC	DY	,	Mail To Contact:	Robyn Sey	mour	
Project Numbe	er:			D Rei		-	Preservation Co	des	E-Maih			Mail To Company:	Seymour E	nvironmental S	Services
Project Name:	Sam Miller		H=S	dium Bisul	fate Solut	ion	I=Sodium Thiosu	Ifate	J=Other	anoi G=	NaOH	Mail To Address:			
Project State:	Wisconsin		FILTE	RED?	V/N		Г	1	T	1			2531 Dyre	son Road, McF	arland
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	Level III (billable) C = NOT needed on O =	Air Biota Charcoal Oil	W = Water DW = Drinkin GW = Ground SW = Surface	Vater Vater	/ses P	- Naph						Invoice To Phone:			an the second second second second
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ax: Sa	mples on HOLD are subject to	Reling	quished By:				Date/Time:			Received	i By:	Date/Time:		Present /	ot Present

\sim	Sample Condition	on Upon Receipt	Pace Analytical Services, Inc. 1241 Bellevue Street, Suite 9
Analy dia al			Green Bay, WI 54302
Pace Analytical	~	Project	0445204
Client Name: Seramo	us SAV.	WUH · 4	0115394
	Pace Other:	AAA IIIIII	
Tracking #: 993526		40115394	
Custody Seal on Cooler/Box Present: [ye	es ¥no Seals intact:	Fyes Fno	
Custody Seal on Samples Present: Tyes	no Seals intact:	r yes r no	
Packing Material: T Bubble Wrap IF B	ubble Bags T None	Other	
Thermometer Used	Type of Ice: Wet	Blue Dry None K Samples of	on ice, cooling process has begun
Cooler Temperature UncorrKDL /Cor	r: Biolog	gical Tissue is Frozen: 1 yes	
Temp Blank Present: 1 yes X no		1 10	Person examining contents:
Temp should be above freezing to 6°C for all sample Frozen Biota Samples should be received ≤ 0°C.	except Biota.	Comments:	Initials:
Chain of Custody Present:	Kes DNO DN/A	1.	
Chain of Custody Filled Out:		2.	
Chain of Custody Relinquished:	Yes DNO DN/A	3.	
Sampler Nameo Signature on COC:		4.	
Samples Arrived within Hold Time:		5.	
- VOA Samples frozen upon receint		Date/Time:	
Short Hold Time Analysis (<72hr):		6	
Rush Turn Around Time Requested:		7	
Sufficient Volume		8	e na kana an ini kata anna 11 fan ini kana an
Correct Containers Lised:		9.	
-Pace Containers Used:			
-Pace IR Containers Used			
Containers Intact		10	
Filtered volume received for Dissolved tests		11.	
Sample Labels match COC:		12.	an a
-Includes date/time/ID/Analysis Matrix:	W		
All containers needing preservation have been check	ked.	T HNO3 T H2SO4	E NOH E NOH +7nAct
(Non-Compliance noted in 13.)		13.	
compliance with EPA recommendation.			
(HNO3, H2SO4 <2; NaOH+ZnAct ≥9, NaOH ≥12)		Initial when II ah Std #10 of	IDate/
O&G, WIDROW, Phenolics, OTHER:	VYes INO	completed preservative	Time:
Headspace in VOA Vials (>6mm):		14.	
Trip Blank Present:	□Yes \$\$\$No □N/A	15.	
Trip Blank Custody Seals Present	□Yes □No Pin/A		
Pace Trip Blank Lot # (if purchased):			
Client Notification/ Resolution:	Date	If checked, see atta	ched form for additional comments
Comments/ Resolution:	Date/		
	. [.		
Project Manager Review:	Hhr	DM Date	: 5-27-15-
	<u> </u>	the second se	Page 11 of 11
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F-GB-C-03	1-Rev.03	(9April2015)	SCUR	Form



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

July 19, 2017

Robyn Seymour Seymour Environmental Services, INC. 2531 Dyreson Road Mc Farland, WI 53558

RE: Project: MILLER Pace Project No.: 40152880

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on July 07, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jan Milen

Dan Milewsky dan.milewsky@pacelabs.com (920)469-2436 Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

CERTIFICATIONS

Project: MILLER Pace Project No.: 40152880

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302 Florida/NELAP Certification #: E87948 Illinois Certification #: 200050 Kentucky UST Certification #: 82 Louisiana Certification #: 04168 Minnesota Certification #: 055-999-334 New York Certification #: 12064 North Dakota Certification #: R-150 Virginia VELAP ID: 460263 South Carolina Certification #: 83006001 Texas Certification #: T104704529-14-1 Wisconsin Certification #: 405132750 Wisconsin DATCP Certification #: 105-444 USDA Soil Permit #: P330-16-00157 Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS


Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

SAMPLE SUMMARY

Project: MILLER Pace Project No.: 40152880

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40152880001	WATER WELL	Water	06/30/17 00:00	07/07/17 09:45
40152880002	B-5, 25'	Solid	06/30/17 13:00	07/07/17 09:45
40152880003	B-1, 8'	Solid	06/30/17 09:50	07/07/17 09:45
40152880004	B-1, 14'	Solid	06/30/17 10:00	07/07/17 09:45
40152880005	B-1, 18'	Solid	06/30/17 10:05	07/07/17 09:45
40152880006	B-1, 25'	Solid	06/30/17 10:15	07/07/17 09:45
40152880007	B-1, 30'	Solid	06/30/17 10:20	07/07/17 09:45
40152880008	B-1, 35'	Solid	06/30/17 10:30	07/07/17 09:45
40152880009	B-1. 39'	Solid	06/30/17 10:45	07/07/17 09:45
40152880010	B-2, 24 1/2'	Solid	06/30/17 11:20	07/07/17 09:45
40152880011	B-3, 14	Solid	06/30/17 11:45	07/07/17 09:45
40152880012	B-4, 20'	Solid	06/30/17 12:15	07/07/17 09:45
40152880013	B-4, 25'	Solid	06/30/17 12:24	07/07/17 09:45
40152880016	B-1, 35' (B)	Solid	06/30/17 10:30	07/07/17 09:45

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

SAMPLE ANALYTE COUNT

Project: MILLER Pace Project No.: 40152880

Lab ID	Sample ID	Method	Analysts	Analytes Reported	
40152880001	WATER WELL	EPA 8260	LAP	64	
40152880002	B-5, 25'	WI MOD GRO	PMS	10	
		ASTM D2974-87	RMV	1	
40152880003	B-1, 8'	WI MOD GRO	PMS	10	
		ASTM D2974-87	BTH	1	
40152880004	B-1, 14'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880005	B-1, 18'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	-
40152880006	B-1, 25'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880007	B-1, 30'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880008	B-1, 35'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880009	B-1, 39'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880010	B-2, 24 1/2'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880011	B-3, 14	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880012	B-4, 20'	WI MOD GRO	PMS	10	
		ASTM D2974-87	AH	1	
40152880013	B-4, 25'	WI MOD GRO	PMS	10	
		ASTM D2974-87	АН	1	
40152880016	B-1, 35' (B)	WI MOD GRO	PMS	10	
		ASTM D2974-87	АН	1	

REPORT OF LABORATORY ANALYSIS



SUMMARY OF DETECTION

Project: MILLER Pace Project No.: 40152880

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40152880001	WATER WELL					
EPA 8260	Toluene	0.56J	ug/L	1.0	07/10/17 17:35	
40152880002	B-5, 25'					
WI MOD GRO	Benzene	87.4	ug/kg	79.4	07/10/17 19:29	
WI MOD GRO	Ethylbenzene	33.3J	ug/kg	79.4	07/10/17 19:29	
WI MOD GRO	1,2,4-Trimethylbenzene	41.8J	ug/kg	79.4	07/10/17 19:29	
WI MOD GRO	m&p-Xylene	142J	ug/kg	159	07/10/17 19:29	
WI MOD GRO	o-Xylene	69.3J	ug/kg	79.4	07/10/17 19:29	
ASTM D2974-87	Percent Moisture	24.4	%	0.10	07/10/17 09:31	
40152880003	B-1, 8'					
WI MOD GRO	Benzene	1580J	ug/kg	3370	07/12/17 18:34	
WI MOD GRO	Ethylbenzene	89700	ug/kg	3370	07/12/17 18:34	
WI MOD GRO	Methyl-tert-butyl ether	1740J	ug/kg	3370	07/12/17 18:34	
WI MOD GRO	Naphthalene	55300	ug/kg	3370	07/12/17 18:34	
WI MOD GRO	Toluene	124000	ug/kg	3370	07/12/17 18:34	
WI MOD GRO	1,2,4-Trimethylbenzene	404000	ug/kg	3370	07/12/17 18:34	
WI MOD GRO	1,3,5-Trimethylbenzene	140000	ug/kg	3370	07/12/17 18:34	
WI MOD GRO	m&p-Xylene	546000	ug/kg	6750	07/12/17 18:34	
WI MOD GRO	o-Xylene	235000	ug/kg	3370	07/12/17 18:34	
ASTM D2974-87	Percent Moisture	11.1	%	0.10	07/11/17 12:51	
40152880004	B-1, 14'					
WI MOD GRO	Benzene	6350	ug/kg	1910	07/10/17 17:21	
WI MOD GRO	Ethylbenzene	111000	ug/kg	1910	07/10/17 17:21	
WI MOD GRO	Methyl-tert-butyl ether	3020	ug/kg	1910	07/10/17 17:21	
WI MOD GRO	Naphthalene	44900	ug/kg	1910	07/10/17 17:21	
WI MOD GRO	Toluene	166000	ug/kg	1910	07/10/17 17:21	
WI MOD GRO	1,2,4-Trimethylbenzene	248000	ug/kg	1910	07/10/17 17:21	
WI MOD GRO	1,3,5-Trimethylbenzene	83100	ug/kg	1910	07/10/17 17:21	
WI MOD GRO	m&p-Xylene	375000	ug/kg	3820	07/10/17 17:21	
WI MOD GRO	o-Xylene	154000	ug/kg	1910	07/10/17 17:21	
ASTM D2974-87	Percent Moisture	21.6	%	0.10	07/13/17 15:34	
40152880005	B-1, 18'					
WI MOD GRO	Benzene	138J	ug/kg	146	07/10/17 17:47	
WI MOD GRO	Ethylbenzene	3730	ug/kg	146	07/10/17 17:47	
WI MOD GRO	Methyl-tert-butyl ether	79.5J	ug/kg	146	07/10/17 17:47	
WI MOD GRO	Naphthalene	3530	ug/kg	146	07/10/17 17:47	
WI MOD GRO	Toluene	3540	ug/kg	146	07/10/17 17:47	
WI MOD GRO	1,2,4-Trimethylbenzene	14900	ug/kg	146	07/10/17 17:47	
WI MOD GRO	1,3,5-Trimethylbenzene	4950	ug/kg	146	07/10/17 17:47	
WI MOD GRO	m&p-Xylene	16000	ug/kg	292	07/10/17 17:47	
WI MOD GRO	o-Xylene	6460	ug/kg	146	07/10/17 17:47	
ASTM D2974-87	Percent Moisture	17.7	%	0.10	07/13/17 15:34	
40152880006	B-1, 25'					
WI MOD GRO	Benzene	4270	ug/ka	768	07/10/17 16:55	
WI MOD GRO	Ethylbenzene	39600	ug/kg	768	07/10/17 16:55	

REPORT OF LABORATORY ANALYSIS



MILLER

Project:

SUMMARY OF DETECTION

Pace Project No.: 40	152880					
Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40152880006	B-1, 25'					
WI MOD GRO	Methyl-tert-butyl ether	1730	ug/kg	768	07/10/17 16:55	
WI MOD GRO	Naphthalene	16100	ug/kg	768	07/10/17 16:55	
WI MOD GRO	Toluene	76600	ug/kg	768	07/10/17 16:55	
WI MOD GRO	1,2,4-Trimethylbenzene	82000	ug/kg	768	07/10/17 16:55	
WI MOD GRO	1,3,5-Trimethylbenzene	27500	ug/kg	768	07/10/17 16:55	
WI MOD GRO	m&p-Xylene	126000	ug/kg	1540	07/10/17 16:55	
WI MOD GRO	o-Xylene	49200	ug/kg	768	07/10/17 16:55	
ASTM D2974-87	Percent Moisture	21.9	%	0.10	07/13/17 15:34	
40152880007	B-1, 30'					
WI MOD GRO	Benzene	254	ug/kg	71.9	07/10/17 19:55	
WI MOD GRO	Ethylbenzene	99.4	ug/kg	71.9	07/10/17 19:55	
WI MOD GRO	Naphthalene	62.7J	ug/kg	71.9	07/10/17 19:55	
WI MOD GRO	Toluene	473	ug/kg	71.9	07/10/17 19:55	
WI MOD GRO	1,2,4-Trimethylbenzene	173	ug/kg	71.9	07/10/17 19:55	
WI MOD GRO	1,3,5-Trimethylbenzene	52.3J	ug/kg	71.9	07/10/17 19:55	
WI MOD GRO	m&p-Xylene	376	ug/kg	144	07/10/17 19:55	
WI MOD GRO	o-Xylene	170	ug/kg	71.9	07/10/17 19:55	
ASTM D2974-87	Percent Moisture	16.5	%	0.10	07/13/17 15:34	
40152880008	B-1, 35'					
ASTM D2974-87	Percent Moisture	25.7	%	0.10	07/13/17 15:34	
40152880009	B-1, 39'					
WI MOD GRO	Benzene	903	ug/kg	74.8	07/12/17 13:51	
WI MOD GRO	Naphthalene	120	ug/kg	74.8	07/12/17 13:51	
WI MOD GRO	Toluene	81.5	ug/kg	74.8	07/12/17 13:51	
WI MOD GRO	1,2,4-Trimethylbenzene	83.7	ug/kg	74.8	07/12/17 13:51	
WI MOD GRO	m&p-Xylene	199	ug/kg	150	07/12/17 13:51	
WI MOD GRO	o-Xylene	210	ug/kg	74.8	07/12/17 13:51	
ASTM D2974-87	Percent Moisture	19.8	%	0.10	07/13/17 15:34	
40152880010	B-2, 24 1/2'					
ASTM D2974-87	Percent Moisture	16.3	%	0.10	07/13/17 15:34	
40152880011	B-3, 14					
WI MOD GRO	Ethylbenzene	41.5J	ug/kg	64.6	07/10/17 20:20	
WI MOD GRO	Toluene	64.7	ug/kg	64.6	07/10/17 20:20	
WI MOD GRO	1,2,4-Trimethylbenzene	56.0J	ug/kg	64.6	07/10/17 20:20	
WI MOD GRO	m&p-Xylene	179	ug/kg	129	07/10/17 20:20	
WI MOD GRO	o-Xylene	77.3	ug/kg	64.6	07/10/17 20:20	
ASTM D2974-87	Percent Moisture	7.1	%	0.10	07/13/17 15:34	
40152880012	B-4, 20'					
WI MOD GRO	Benzene	110	ug/kg	79.2	07/10/17 20:46	
WI MOD GRO	Ethylbenzene	119	ug/kg	79.2	07/10/17 20:46	
WI MOD GRO	Naphthalene	64.9J	ug/kg	79.2	07/10/17 20:46	
WI MOD GRO	Toluene	680	ug/kg	79.2	07/10/17 20:46	
WI MOD GRO	1,2,4-Trimethylbenzene	234	ug/kg	79.2	07/10/17 20:46	
WI MOD GRO	1,3,5-Trimethylbenzene	72.4J	ug/kg	79.2	07/10/17 20:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: MILLER Pace Project No.: 40152880

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40152880012	B-4, 20'					
WI MOD GRO	m&p-Xylene	682	ug/kg	158	07/10/17 20:46	
WI MOD GRO	o-Xylene	302	ug/kg	79.2	07/10/17 20:46	
ASTM D2974-87	Percent Moisture	24.2	%	0.10	07/13/17 15:34	
40152880013	B-4, 25'					
WI MOD GRO	Ethylbenzene	133	ug/kg	76.2	07/12/17 14:17	
WI MOD GRO	Toluene	222	ug/kg	76.2	07/12/17 14:17	
WI MOD GRO	1,2,4-Trimethylbenzene	128	ug/kg	76.2	07/12/17 14:17	
WI MOD GRO	1,3,5-Trimethylbenzene	51.7J	ug/kg	76.2	07/12/17 14:17	
WI MOD GRO	m&p-Xylene	561	ug/kg	152	07/12/17 14:17	
WI MOD GRO	o-Xylene	244	ug/kg	76.2	07/12/17 14:17	
ASTM D2974-87	Percent Moisture	21.3	%	0.10	07/13/17 15:34	
40152880016	B-1, 35' (B)					
ASTM D2974-87	Percent Moisture	25.7	%	0.10	07/13/17 15:34	

REPORT OF LABORATORY ANALYSIS



MILLER Project: 40152880 Project No

Pace	Project No.:	4015288
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Sample: WATER WELL Lab ID:	40152880001	Collected: 06/30/17 00:00			Received: 0			
Parameters Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytica	I Method: EPA 8	260						
Benzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	71-43-2	
Bromobenzene <0.23	ug/L	1.0	0.23	1		07/10/17 17:35	108-86-1	
Bromochloromethane <0.34	ug/L	1.0	0.34	1		07/10/17 17:35	74-97-5	
Bromodichloromethane <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	75-27-4	
Bromoform <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	75-25-2	
Bromomethane <2.4	ug/L	5.0	2.4	1		07/10/17 17:35	74-83-9	
n-Butylbenzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	104-51-8	
sec-Butylbenzene <2.2	ug/L	5.0	2.2	1		07/10/17 17:35	135-98-8	
tert-Butylbenzene <0.18	ug/L	1.0	0.18	1		07/10/17 17:35	98-06-6	
Carbon tetrachloride <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	56-23-5	
Chlorobenzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	108-90-7	
Chloroethane <0.37	ug/L	1.0	0.37	1		07/10/17 17:35	75-00-3	
Chloroform <2.5	ug/L	5.0	2.5	1		07/10/17 17:35	67-66-3	
Chloromethane <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	74-87-3	
2-Chlorotoluene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	95-49-8	
4-Chlorotoluene <0.21	ug/L	1.0	0.21	1		07/10/17 17:35	106-43-4	
1,2-Dibromo-3-chloropropane <2.2	ug/L	5.0	2.2	1		07/10/17 17:35	96-12-8	
Dibromochloromethane <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	124-48-1	
1,2-Dibromoethane (EDB) <0.18	ug/L	1.0	0.18	1		07/10/17 17:35	106-93-4	
Dibromomethane <0.43	ug/L	1.0	0.43	1		07/10/17 17:35	74-95-3	
1,2-Dichlorobenzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	95-50-1	
1,3-Dichlorobenzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	541-73-1	
1,4-Dichlorobenzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	106-46-7	
Dichlorodifluoromethane <0.22	ug/L	1.0	0.22	1		07/10/17 17:35	75-71-8	L2
1,1-Dichloroethane <0.24	ug/L	1.0	0.24	1		07/10/17 17:35	75-34-3	
1,2-Dichloroethane <0.17	ug/L	1.0	0.17	1		07/10/17 17:35	107-06-2	
1,1-Dichloroethene <0.41	ug/L	1.0	0.41	1		07/10/17 17:35	75-35-4	
cis-1,2-Dichloroethene <0.26	ug/L	1.0	0.26	1		07/10/17 17:35	156-59-2	
trans-1,2-Dichloroethene <0.26	ug/L	1.0	0.26	1		07/10/17 17:35	156-60-5	
1,2-Dichloropropane <0.23	ug/L	1.0	0.23	1		07/10/17 17:35	78-87-5	
1,3-Dichloropropane <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	142-28-9	
2,2-Dichloropropane <0.48	ug/L	1.0	0.48	1		07/10/17 17:35	594-20-7	
1,1-Dichloropropene <0.44	ug/L	1.0	0.44	1		07/10/17 17:35	563-58-6	
cis-1,3-Dichloropropene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	10061-01-5	
trans-1,3-Dichloropropene <0.23	ug/L	1.0	0.23	1		07/10/17 17:35	10061-02-6	
Diisopropyl ether <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	108-20-3	
Ethylbenzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	100-41-4	
Hexachloro-1,3-butadiene <2.1	ug/L	5.0	2.1	1		07/10/17 17:35	87-68-3	
isopropylbenzene (Cumene) <0.14	ug/L	1.0	0.14	1		07/10/17 17:35	98-82-8	
p-isopropyitoluene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	99-87-6	
Methylene Chloride <0.23	ug/L	1.0	0.23	1		07/10/17 17:35	75-09-2	
Methyl-tert-butyl ether <0.17	ug/L	1.0	0.17	1		07/10/17 17:35	1634-04-4	
Naphthalene <2.5	ug/L	5.0	2.5	1		07/10/17 17:35	91-20-3	
n-Propylbenzene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	103-65-1	
Styrene <0.50	ug/L	1.0	0.50	1		07/10/17 17:35	100-42-5	
1,1,1,2-Tetrachloroethane <0.18	ug/L	1.0	0.18	1		07/10/17 17:35	630-20-6	

REPORT OF LABORATORY ANALYSIS



MILLER Project: 40152880 Proie ot Ne

ł	ace	Pro	ject	NO.:	401	5288

Sample: WATER WELL	Lab ID: 40152880001		Collecte	Collected: 06/30/17 00:00		Received: 07	7/07/17 09:45 Ma	Matrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical	Method: EPA 8	260						
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/10/17 17:35	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:35	127-18-4	
Toluene	0.56J	ug/L	1.0	0.50	1		07/10/17 17:35	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1	·	07/10/17 17:35	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/10/17 17:35	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:35	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/10/17 17:35	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/10/17 17:35	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/10/17 17:35	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/10/17 17:35	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:35	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:35	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/10/17 17:35	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/10/17 17:35	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/10/17 17:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		07/10/17 17:35	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		07/10/17 17:35	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/10/17 17:35	2037-26-5	

Sample: B-5, 25' Lab ID: 40152880002 Collected: 06/30/17 13:00 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pr	eparation N	lethod	: TPH GRO/PVOC	C WI ext.		
Benzene	87.4	ug/kg	79.4	33.1	1	07/10/17 08:15	07/10/17 19:29	71-43-2	
Ethylbenzene	33.3J	ug/kg	79.4	33.1	1	07/10/17 08:15	07/10/17 19:29	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 19:29	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 19:29	91-20-3	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 19:29	108-88-3	W
1,2,4-Trimethylbenzene	41.8J	ug/kg	79.4	33.1	1	07/10/17 08:15	07/10/17 19:29	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 19:29	108-67-8	W
m&p-Xylene	142J	ug/kg	159	66.1	1	07/10/17 08:15	07/10/17 19:29	179601-23-1	
o-Xylene	69.3J	ug/kg	79.4	33.1	1	07/10/17 08:15	07/10/17 19:29	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	07/10/17 08:15	07/10/17 19:29	98-08-8	
Percent Moisture	Analytical	Method: AST	FM D2974-87						
Percent Moisture	24.4	%	0.10	0.10	1		07/10/17 09:31		

REPORT OF LABORATORY ANALYSIS



Project: MILLER 40152880 Pace Project No.:

Sample: B-1, 8'

Lab ID: 40152880003 Collected: 06/30/17 09:50 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: Wi	MOD GRO Pr	reparation N	lethod	: TPH GRO/PVOC	C WI ext.		
Benzene	1580J	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	71-43-2	
Ethylbenzene	89700	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	100-41-4	
Methyl-tert-butyl ether	1740J	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	1634-04-4	
Naphthalene	55300	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	91-20-3	
Toluene	124000	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	108-88-3	
1,2,4-Trimethylbenzene	404000	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	95-63-6	
1,3,5-Trimethylbenzene	140000	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	108-67-8	
m&p-Xylene	546000	ug/kg	6750	2810	50	07/10/17 08:15	07/12/17 18:34	179601-23-1	
o-Xylene	235000	ug/kg	3370	1410	50	07/10/17 08:15	07/12/17 18:34	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	117	%	80-120		50	07/10/17 08:15	07/12/17 18:34	98-08-8	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	11.1	%	0.10	0.10	1		07/11/17 12:51		

Sample: B-1, 14' Lab ID: 40152880004 Collected: 06/30/17 10:00 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: Wi	MOD GRO P	reparation N	/lethod	: TPH GRO/PVOC	C WI ext.		
Benzene	6350	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	71-43-2	
Ethylbenzene	111000	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	100-41-4	
Methyl-tert-butyl ether	3020	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	1634-04-4	
Naphthalene	44900	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	91-20-3	
Toluene	166000	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	108-88-3	
1,2,4-Trimethylbenzene	248000	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	95-63-6	
1,3,5-Trimethylbenzene	83100	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	108-67-8	
m&p-Xylene	375000	ug/kg	3820	1590	25	07/10/17 08:15	07/10/17 17:21	179601-23-1	
o-Xylene	154000	ug/kg	1910	797	25	07/10/17 08:15	07/10/17 17:21	95-47-6	
Surrogates a,a,a-Trifluorotoluene (S)	111	%	80-120		25	07/10/17 08:15	07/10/17 17:21	98-08-8	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	21.6	%	0.10	0.10	1		07/13/17 15:34		

REPORT OF LABORATORY ANALYSIS



Project: MILLER 40152880 Pace Project No.:

Sample: B-1, 18'

Lab ID: 40152880005 Collected: 06/30/17 10:05 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO Pr	reparation N	lethod	: TPH GRO/PVOC	WI ext.		
Benzene	138J	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	71-43-2	
Ethylbenzene	3730	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	100-41-4	
Methyl-tert-butyl ether	79.5J	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	1634-04-4	
Naphthalene	3530	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	91-20-3	
Toluene	3540	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	108-88-3	
1,2,4-Trimethylbenzene	14900	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	95-63-6	
1,3,5-Trimethylbenzene	4950	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	108-67-8	
m&p-Xylene	16000	ug/kg	292	122	2	07/10/17 08:15	07/10/17 17:47	179601-23-1	
o-Xylene Surrogates	6460	ug/kg	146	60.8	2	07/10/17 08:15	07/10/17 17:47	95-47-6	
a,a,a-Trifluorotoluene (S)	112	%	80-120		2	07/10/17 08:15	07/10/17 17:47	98-08-8	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	17.7	%	0.10	0.10	1		07/13/17 15:34		

Lab ID: 40152880006 Collected: 06/30/17 10:15 Received: 07/07/17 09:45 Matrix: Solid Sample: B-1, 25' Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ		DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: Wi	MOD GRO P	reparation N	Nethod	: TPH GRO/PVOC	C WI ext.		
Benzene	4270	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	71-43-2	
Ethylbenzene	39600	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	100-41-4	
Methyl-tert-butyl ether	1730	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	1634-04-4	
Naphthalene	16100	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	91-20-3	
Toluene	76600	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	108-88-3	
1,2,4-Trimethylbenzene	82000	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	95-63-6	
1,3,5-Trimethylbenzene	27500	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	108-67-8	
m&p-Xylene	126000	ug/kg	1540	640	10	07/10/17 08:15	07/10/17 16:55	179601-23-1	
o-Xylene	49200	ug/kg	768	320	10	07/10/17 08:15	07/10/17 16:55	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		10	07/10/17 08:15	07/10/17 16:55	98-08-8	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	21.9	%	0.10	0.10	1		07/13/17 15:34		

REPORT OF LABORATORY ANALYSIS

Analytica www.nacalabs.com

Project: MILLER Pace Project No.: 40152880

Pace Project No.: 40152880

Sample: B-1, 30' Lab ID: 40152880007 Collected: 06/30/17 10:20 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: Wi		reparation N	lethod	: TPH GRO/PVOC	C WI ext.		
Benzene	254	ug/kg	71.9	30.0	1	07/10/17 08:15	07/10/17 19:55	71-43-2	
Ethylbenzene	99.4	ug/kg	71.9	30.0	1	07/10/17 08:15	07/10/17 19:55	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 19:55	1634-04-4	W
Naphthalene	62.7J	ug/kg	71.9	30.0	1	07/10/17 08:15	07/10/17 19:55	91-20-3	
Toluene	473	ug/kg	71.9	30.0	1	07/10/17 08:15	07/10/17 19:55	108-88-3	
1,2,4-Trimethylbenzene	173	ug/kg	71.9	30.0	1	07/10/17 08:15	07/10/17 19:55	95-63-6	
1,3,5-Trimethylbenzene	52.3J	ug/kg	71.9	30.0	1	07/10/17 08:15	07/10/17 19:55	108-67-8	
m&p-Xylene	376	ug/kg	144	59.9	1	07/10/17 08:15	07/10/17 19:55	179601-23-1	
o-Xylene	170	ug/kg	71.9	30.0	1	07/10/17 08:15	07/10/17 19:55	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	07/10/17 08:15	07/10/17 19:55	98-08-8	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	16.5	%	0.10	0.10	1		07/13/17 15:34		

 Sample:
 B-1, 35'
 Lab ID:
 40152880008
 Collected:
 06/30/17
 10:30
 Received:
 07/07/17
 09:45
 Matrix:
 Solid

 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.
 Initial content of the size and any dilutions.
 Initial content of the size and any dilutions.
 Initial content of the size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qua	3Ì
WIGRO GCV	Analytical	Method: WI	MOD GRO P	reparation N	lethod	I: TPH GRO/PVOC	C WI ext.			
Benzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	71-43-2	w	
Ethylbenzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	100-41-4	w	
Methyl-tert-butyl ether	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	1634-04-4	w	
Naphthalene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	91-20-3	w	
Toluene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	108-88-3	W	
1,2,4-Trimethylbenzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	95-63-6	w	
1,3,5-Trimethylbenzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	108-67-8	w	
m&p-Xylene	<67.3	ug/kg	161	67.3	1	07/11/17 07:30	07/11/17 22:23	179601-23-1	W	
o-Xylene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 22:23	95-47-6	W	
Surrogates a,a,a-Trifluorotoluene (S)	100	%	80-120		1	07/11/17 07:30	07/11/17 22:23	98-08-8		
Percent Moisture	Analytical	Method: AS	TM D2974-87							
Percent Moisture	25.7	%	0.10	0.10	1		07/13/17 15:34			

REPORT OF LABORATORY ANALYSIS



Project: MILLER Pace Project No .: 40152880

Sample: B-1, 39'

Lab ID: 40152880009 Collected: 06/30/17 10:45 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Quai
WIGRO GCV	Analytical	Method: WI		reparation M	lethod	: TPH GRO/PVOC	C WI ext.		
Benzene	903	ug/kg	74.8	31.2	1	07/12/17 07:30	07/12/17 13:51	71-43-2	
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/12/17 07:30	07/12/17 13:51	100-41-4	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/12/17 07:30	07/12/17 13:51	1634-04-4	W
Naphthalene	120	ug/kg	74.8	31.2	1	07/12/17 07:30	07/12/17 13:51	91-20-3	
Toluene	81.5	ug/kg	74.8	31.2	1	07/12/17 07:30	07/12/17 13:51	108-88-3	
1,2,4-Trimethylbenzene	83.7	ug/kg	74.8	31.2	1	07/12/17 07:30	07/12/17 13:51	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/12/17 07:30	07/12/17 13:51	108-67-8	W
m&p-Xylene	199	ug/kg	150	62.4	1	07/12/17 07:30	07/12/17 13:51	179601-23-1	
o-Xylene	210	ug/kg	74.8	31.2	1	07/12/17 07:30	07/12/17 13:51	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	07/12/17 07:30	07/12/17 13:51	98-08-8	
Percent Moisture	Analytical	Method: AST	FM D2974-87						
Percent Moisture	19.8	%	0.10	0.10	1		07/13/17 15:34		

Lab ID: 40152880010 Sample: B-2, 24 1/2' Collected: 06/30/17 11:20 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: Wi	MOD GRO P	reparation N	Method	: TPH GRO/PVO	C WI ext.		
Benzene	<29.9	ug/kg	71.7	29.9	1	07/11/17 07:30	07/11/17 22:49	71-43-2	w
Ethylbenzene	<29.9	ug/kg	71.7	29.9	1	07/11/17 07:30	07/11/17 22:49	100-41-4	W
Methyl-tert-butyl ether	<29.9	ug/kg	71.7	29.9	1	07/11/17 07:30	07/11/17 22:49	1634-04-4	W
Naphthalene	<29.9	ug/kg	71.7	29.9	1	07/11/17 07:30	07/11/17 22:49	91-20-3	W
Toluene	<29.9	ug/kg	71.7	29.9	1	07/11/17 07:30	07/11/17 22:49	108-88-3	W
1,2,4-Trimethylbenzene	<29.9	ug/kg	71.7	29.9	1	07/11/17 07:30	07/11/17 22:49	95-63-6	W
1,3,5-Trimethylbenzene	<29.9	ug/kg	71.7	29.9	1	07/11/17 07:30	07/11/17 22:49	108-67-8	W
m&p-Xylene	<59.7	ug/kg	143	59.7	1	07/11/17 07:30	07/11/17 22:49	179601-23-1	W
o-Xylene	<29.9	ug/kg	71.7	29. 9	1	07/11/17 07:30	07/11/17 22:49	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	07/11/17 07:30	07/11/17 22:49	98-08-8	
Percent Moisture	Analytical	Method: AS	TM D2974-87						
Percent Moisture	16.3	%	0.10	0.10	1		07/13/17 15:34		

REPORT OF LABORATORY ANALYSIS



MILLER Project: Pace Project No .: 40152880

Sample: B-3, 14

Lab ID: 40152880011 Collected: 06/30/17 11:45 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO P	reparation N	lethod	: TPH GRO/PVOC	C WI ext.		
Benzene	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 20:20	71-43-2	w
Ethylbenzene	41.5J	ug/kg	64.6	26.9	1	07/10/17 08:15	07/10/17 20:20	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 20:20	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 20:20	91-20-3	W
Toluene	64.7	ug/kg	64.6	26.9	1	07/10/17 08:15	07/10/17 20:20	108-88-3	
1,2,4-Trimethylbenzene	56.0J	ug/kg	64.6	26.9	1	07/10/17 08:15	07/10/17 20:20	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 20:20	108-67-8	W
m&p-Xylene	179	ug/kg	129	53.8	1	07/10/17 08:15	07/10/17 20:20	179601-23-1	
o-Xylene	77.3	ug/kg	64.6	26.9	1	07/10/17 08:15	07/10/17 20:20	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	07/10/17 08:15	07/10/17 20:20	98-08-8	
Percent Moisture	Analytical	Method: AST	FM D2974-87						
Percent Moisture	7.1	%	0.10	0.10	1		07/13/17 15:34		

Sample: B-4, 20' Lab ID: 40152880012 Collected: 06/30/17 12:15 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Quai
WIGRO GCV	Analytical	Method: WI	MOD GRO P	reparation N	/lethod	: TPH GRO/PVOC	C WI ext.		
Велzепе	110	ug/kg	79.2	33.0	1	07/10/17 08:15	07/10/17 20:46	71-43-2	
Ethylbenzene	119	ug/kg	79.2	33.0	1	07/10/17 08:15	07/10/17 20:46	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/10/17 08:15	07/10/17 20:46	1634-04-4	W
Naphthalene	64.9J	ug/kg	79.2	33.0	1	07/10/17 08:15	07/10/17 20:46	91-20-3	
Toluene	680	ug/kg	79.2	33.0	1	07/10/17 08:15	07/10/17 20:46	108-88-3	
1,2,4-Trimethylbenzene	234	ug/kg	79.2	33.0	1	07/10/17 08:15	07/10/17 20:46	95-63-6	
1,3,5-Trimethylbenzene	72.4J	ug/kg	79.2	33.0	1	07/10/17 08:15	07/10/17 20:46	108-67-8	
m&p-Xylene	682	ug/kg	158	66.0	1	07/10/17 08:15	07/10/17 20:46	179601-23-1	
o-Xylene	302	ug/kg	79.2	33.0	1	07/10/17 08:15	07/10/17 20:46	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	07/10/17 08:15	07/10/17 20:46	98-08-8	
Percent Moisture	Analytical	Method: AS	FM D2974-87						
Percent Moisture	24.2	%	0.10	0.10	1		07/13/17 15:34		

REPORT OF LABORATORY ANALYSIS

Date: 07/19/2017 11:57 AM



MILLER Project: 40152880 Pace Project No.:

Sample: B-4, 25'

Lab ID: 40152880013 Collected: 06/30/17 12:24 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO PI	reparation N	lethod	: TPH GRO/PVOC	C WI ext.		
Benzene	<25.0	ug/kg	60.0	25.0	1	07/12/17 07:30	07/12/17 14:17	71-43-2	w
Ethylbenzene	133	ug/kg	76.2	31.8	1	07/12/17 07:30	07/12/17 14:17	100-41-4	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/12/17 07:30	07/12/17 14:17	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	07/12/17 07:30	07/12/17 14:17	91-20-3	W
Toluene	222	ug/kg	76.2	31.8	1	07/12/17 07:30	07/12/17 14:17	108-88-3	
1,2,4-Trimethylbenzene	128	ug/kg	76.2	31.8	1	07/12/17 07:30	07/12/17 14:17	95-63-6	
1,3,5-Trimethylbenzene	51.7J	ug/kg	76.2	31.8	1	07/12/17 07:30	07/12/17 14:17	108-67-8	
m&p-Xylene	561	ug/kg	152	63.5	1	07/12/17 07:30	07/12/17 14:17	179601-23-1	
o-Xylene	244	ug/kg	76.2	31.8	1	07/12/17 07:30	07/12/17 14:17	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	07/12/17 07:30	07/12/17 14:17	98-08-8	
Percent Moisture	Analytical	Method: AS	FM D2974-87						
Percent Moisture	21.3	%	0.10	0.10	1		07/13/17 15:34		

Sample: B-1, 35' (B) Lab ID: 40152880016 Collected: 06/30/17 10:30 Received: 07/07/17 09:45 Matrix: Solid Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units		LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical	Method: WI	MOD GRO P	reparation N	lethod	I: TPH GRO/PVO	C Wi ext.		
Benzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	71-43-2	w
Ethylbenzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	100-41-4	W
Methyl-tert-butyl ether	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	1634-04-4	W
Naphthalene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	91-20-3	W
Toluene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	108-88-3	W
1,2,4-Trimethylbenzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	95-63-6	W
1,3,5-Trimethylbenzene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	108-67-8	W
m&p-Xylene	<67.3	ug/kg	161	67.3	1	07/11/17 07:30	07/11/17 23:14	179601-23-1	W
o-Xylene	<33.6	ug/kg	80.7	33.6	1	07/11/17 07:30	07/11/17 23:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	07/11/17 07:30	07/11/17 23:14	98-08-8	P4
Percent Moisture	Analytical	Method: AST	FM D2974-87						
Percent Moisture	25.7	%	0.10	0.10	1		07/13/17 15:34		

REPORT OF LABORATORY ANALYSIS



Project: MILLER Pace Project No.: 40152880 QC Batch: 260967

METHOD BLANK: 1537213

40152880012

QC Batch Method: TPH GRO/PVOC WI ext. Associated Lab Samples: 40152880002, 401 Analysis Method: WI MOD GRO Analysis Description: WIGRO Solid C

GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV 40152880002, 40152880003, 40152880004, 40152880005, 40152880006, 40152880007, 40152880011,

Matrix: Solid

Associated Lab Samples: 40152880002, 40152880003, 40152880004, 40152880005, 40152880006, 40152880007, 40152880011, 40152880012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	07/10/17 09:29	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	07/10/17 09:29	
Benzene	ug/kg	<25.0	50.0	07/10/17 09:29	
Ethylbenzene	ug/kg	<25.0	50.0	07/10/17 09:29	
m&p-Xylene	ug/kg	<50.0	100	07/10/17 09:29	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	07/10/17 09:29	
Naphthalene	ug/kg	<25.0	50.0	07/10/17 09:29	
o-Xylene	ug/kg	<25.0	50.0	07/10/17 09:29	
Toluene	ug/kg	<25.0	50.0	07/10/17 09:29	
a,a,a-Trifluorotoluene (S)	%	100	80-120	07/10/17 09:29	

ABORATORY CONTROL SAMPLE & LCSD: 1537214 1537215										
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1030	1010	103	101	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	993	975	99	98	80-120	2	20	
Benzene	ug/kg	1000	956	966	96	97	80-120	1	20	
Ethylbenzene	ug/kg	1000	994	990	99	99	80-120	0	20	
m&p-Xylene	ug/kg	2000	1970	1960	99	98	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	949	972	95	97	80-120	2	20	
Naphthalene	ug/kg	1000	1040	1040	104	104	80-120	0	20	
o-Xylene	ug/kg	1000	991	979	99	98	80-120	1	20	
Toluene	ug/kg	1000	971	976	97	98	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				101	102	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Qualifiers

QUALITY CONTROL DATA

Project: MILLER Pace Project No.: 40152880

 QC Batch:
 261093
 Analysis Method:
 WI MOD GRO

 QC Batch Method:
 TPH GRO/PVOC WI ext.
 Analysis Description:
 WIGRO Solid GCV

 Associated Lab Samples:
 40152880008, 40152880010, 40152880016
 WIGRO Solid GCV

 METHOD BLANK:
 1537601
 Matrix:
 Solid

 Associated Lab Samples:
 40152880008, 40152880010, 40152880016
 Blank
 Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed

 1.2.4-Trimethylbenzene
 ug/kg
 <25.0</td>
 50.0
 07/11/17 09:22

1,2,4-I rimethylbenzene	ug/kg	<25.0	50.0	07/11/17 09:22
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	07/11/17 09:22
Benzene	ug/kg	<25.0	50.0	07/11/17 09:22
Ethylbenzene	ug/kg	<25.0	50.0	07/11/17 09:22
m&p-Xylene	ug/kg	<50.0	100	07/11/17 09:22
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	07/11/17 09:22
Naphthalene	ug/kg	<25.0	50.0	07/11/17 09:22
o-Xylene	ug/kg	<25.0	50.0	07/11/17 09:22
Toluene	ug/kg	<25.0	50.0	07/11/17 09:22
a,a,a-Trifluorotoluene (S)	%	100	80-120	07/11/17 09:22

LABORATORY CONTROL SAMPL	E & LCSD: 1537602		1537603							
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1040	1010	104	101	80-120	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	999	977	100	98	80-120	2	20	
Benzene	ug/kg	1000	956	957	96	96	80-120	0	20	
Ethylbenzene	ug/kg	1000	991	977	99	98	80-120	1	20	
m&p-Xylene	ug/kg	2000	1970	1950	99	98	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	981	956	98	96	80-120	3	20	
Naphthalene	ug/kg	1000	1200	1120	120	112	80-120	7	20	
o-Xylene	ug/kg	1000	995	980	99	98	80-120	2	20	
Toluene	ug/kg	1000	968	968	97	97	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				101	101	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



WI MOD GRO

WIGRO Solid GCV

Analysis Method:

Analysis Description:

Matrix: Solid

Project: MILLER Pace Project No.: 40152880 QC Batch: 261246

QC Batch: 261246 QC Batch Method: TPH GRO/PVOC WI ext.

Associated Lab Samples: 40152880009, 40152880013

METHOD BLANK: 1538241 Associated Lab Samples: 40152880009, 40152880013

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	07/12/17 10:18	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	07/12/17 10:18	
Benzene	ug/kg	<25.0	50.0	07/12/17 10:18	
Ethylbenzene	ug/kg	<25.0	50.0	07/12/17 10:18	
m&p-Xylene	ug/kg	<50.0	100	07/12/17 10:18	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	07/12/17 10:18	
Naphthalene	ug/kg	<25.0	50.0	07/12/17 10:18	
o-Xylene	ug/kg	<25.0	50.0	07/12/17 10:18	
Toluene	ug/kg	<25.0	50.0	07/12/17 10:18	
a,a,a-Trifluorotoluene (S)	%	101	80-120	07/12/17 10:18	

LABORATORY CONTROL SAMPLE & LCSD: 1538242 1538243										
		Spike	LCS	LCSD	LCS	LCSD	% Rec		Max	
Parameter	Units	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1020	1020	102	102	80-120	0	20	
1,3,5-Trimethylbenzene	ug/kg	1000	983	981	98	98	80-120	0	20	
Benzene	ug/kg	1000	952	972	95	97	80-120	2	20	
Ethylbenzene	ug/kg	1000	986	994	99	99	80-120	1	20	
m&p-Xylene	ug/kg	2000	1970	1980	98	99	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	956	960	96	96	80-120	0	20	
Naphthalene	ug/kg	1000	1110	1090	111	109	80-120	2	20	
o-Xylene	ug/kg	1000	988	992	99	99	80-120	0	20	
Toluene	ug/kg	1000	970	987	97	99	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				101	102	80-120			

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REPORT OF LABORATORY ANALYSIS



EPA 8260

8260 MSV

Analysis Method:

Analysis Description:

Project: MILLER Pace Project No.: 40152880

QC Batch: 260993 QC Batch Method: EPA 8260

Associated Lab Samples: 40152880001

METHOD BLANK: 1537298		Matrix:	Water		
Associated Lab Samples: 4	0152880001				
		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
1.1.1.2-Tetrachioroethane	ua/L	<0.18	1.0	07/10/17 12:01	
1.1.1-Trichloroethane	ug/L	<0.50	1.0	07/10/17 12:01	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	07/10/17 12:01	
1.1.2-Trichloroethane	ug/L	<0.20	1.0	07/10/17 12:01	
1,1-Dichloroethane	ug/L	<0.24	1.0	07/10/17 12:01	
1,1-Dichloroethene	ug/L	<0.41	1.0	07/10/17 12:01	•
1.1-Dichloropropene	ug/L	<0.44	1.0	07/10/17 12:01	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	07/10/17 12:01	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	07/10/17 12:01	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	07/10/17 12:01	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	07/10/17 12:01	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	07/10/17 12:01	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	07/10/17 12:01	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	07/10/17 12:01	
1,2-Dichloroethane	ug/L	<0.17	1.0	07/10/17 12:01	
1,2-Dichloropropane	ug/L	<0.23	1.0	07/10/17 12:01	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	07/10/17 12:01	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	07/10/17 12:01	
1,3-Dichloropropane	ug/L	<0.50	1.0	07/10/17 12:01	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	07/10/17 12:01	
2,2-Dichloropropane	ug/L	<0.48	1.0	07/10/17 12:01	
2-Chlorotoluene	ug/L	<0.50	1.0	07/10/17 12:01	
4-Chlorotoluene	ug/L	<0.21	1.0	07/10/17 12:01	
Benzene	ug/L	<0.50	1.0	07/10/17 12:01	
Bromobenzene	ug/L	<0.23	1.0	07/10/17 12:01	
Bromochloromethane	ug/L	<0.34	1.0	07/10/17 12:01	
Bromodichloromethane	ug/L	<0.50	1.0	07/10/17 12:01	
Bromoform	ug/L	<0.50	1.0	07/10/17 12:01	
Bromomethane	ug/L	<2.4	5.0	07/10/17 12:01	
Carbon tetrachloride	ug/L	<0.50	1.0	07/10/17 12:01	
Chlorobenzene	ug/L	<0.50	1.0	07/10/17 12:01	
Chloroethane	ug/L	<0.37	1.0	07/10/17 12:01	•
Chloroform	ug/L	<2.5	5.0	07/10/17 12:01	
Chloromethane	ug/L	<0.50	1.0	07/10/17 12:01	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	07/10/17 12:01	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	07/10/17 12:01	
Dibromochloromethane	ug/L	<0.50	1.0	07/10/17 12:01	
Dibromomethane	ug/L	<0.43	1.0	07/10/17 12:01	
Dichlorodifluoromethane	ug/L	<0.22	1.0	07/10/17 12:01	
Diisopropyl ether	ug/L	<0.50	1.0	07/10/17 12:01	
Ethylbenzene	ug/L	<0.50	1.0	07/10/17 12:01	

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REPORT OF LABORATORY ANALYSIS



Project: MILLER Pace Project No.: 40152880

METHOD BLANK: 1537298

Associated Lab Samples: 40152880001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1.3-butadiene		<2.1	5.0	07/10/17 12:01	
Isopropylbenzene (Cumene)	ua/L	<0.14	1.0	07/10/17 12:01	
m&p-Xylene	ug/L	<1.0	2.0	07/10/17 12:01	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	07/10/17 12:01	
Methylene Chloride	ug/L	<0.23	1.0	07/10/17 12:01	
n-Butyibenzene	ug/L	<0.50	1.0	07/10/17 12:01	
n-Propylbenzene	ug/L	<0.50	1.0	07/10/17 12:01	
Naphthalene	ug/L	<2.5	5.0	07/10/17 12:01	
o-Xylene	ug/L	<0.50	1.0	07/10/17 12:01	
p-isopropyltoluene	ug/L	<0.50	1.0	07/10/17 12:01	
sec-Butylbenzene	ug/L	<2.2	5.0	07/10/17 12:01	
Styrene	ug/L	<0.50	1.0	07/10/17 12:01	
tert-Butylbenzene	ug/L	<0.18	1.0	07/10/17 12:01	
Tetrachloroethene	ug/L	<0.50	1.0	07/10/17 12:01	
Toluene	ug/L	<0.50	1.0	07/10/17 12:01	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	07/10/17 12:01	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	07/10/17 12:01	
Trichloroethene	ug/L	<0.33	1.0	07/10/17 12:01	
Trichlorofluoromethane	ug/L	<0.18	1.0	07/10/17 12:01	
Vinyl chloride	ug/L	<0.18	1.0	07/10/17 12:01	
4-Bromofluorobenzene (S)	%	93	61-130	07/10/17 12:01	
Dibromofluoromethane (S)	%	98	67-130	07/10/17 12:01	
Toluene-d8 (S)	%	102	70-130	07/10/17 12:01	

LABORATORY CONTROL SAMPLE: 1537299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.3	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.8	89	70-130	
1,1,2-Trichloroethane	ug/L	20	19.1	96	70-130	
1,1-Dichloroethane	ug/L	20	20.0	100	71-132	
1,1-Dichloroethene	ug/L	20	18.6	93	75-130	
1,2,4-Trichlorobenzene	ug/L	20	17.1	85	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.6	78	63-123	
1,2-Dibromoethane (EDB)	ug/L	20	19.1	95	70-130	
1,2-Dichlorobenzene	ug/L	20	19.2	96	70-130	
1,2-Dichloroethane	ug/L	20	19.0	95	70-131	
1.2-Dichloropropane	ug/L	20	18.1	90	80-120	
1,3-Dichlorobenzene	ug/L	20	18.9	95	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	103	70-130	
Benzene	ug/L	20	18.2	91	73-145	
Bromodichloromethane	ug/L	20	18.5	93	70-130	
Bromoform	ug/L	20	19.8	99	67-130	
Bromomethane	ua/L	20	12.4	62	26-128	

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REPORT OF LABORATORY ANALYSIS



Project: MILLER Pace Project No.: 40152880

LABORATORY CONTROL SAMPLE: 1537299

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Carbon tetrachloride	ug/L	20	19.4	97	70-133	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	17.6	88	58-120	
Chloroform	ug/L	20	18.9	95	80-121	
Chloromethane	ug/L	20	8.0	40	40-127	
cis-1,2-Dichloroethene	ug/L	20	19.9	100	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	19.6	98	70-130	
Dichlorodifluoromethane	ug/L	20	3.5	18	20-135	L2
Ethylbenzene	ug/L	20	19.8	99	87-129	
Isopropylbenzene (Cumene)	ug/L	20	19.8	99	70-130	
m&p-Xylene	ug/L	40	39.1	98	70-130	
Methyl-tert-butyl ether	ug/L	20	21.0	105	66-143	
Methylene Chloride	ug/L	20	19.0	95	70-130	
o-Xylene	ug/L	20	19.2	96	70-130	
Styrene	ug/L	20	18.5	93	70-130	
Tetrachloroethene	ug/L	20	20.8	104	70-130	
Toluene	ug/L	20	19.8	99	82-130	
trans-1,2-Dichloroethene	ug/L	20	19.7	99	75-132	
trans-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
Trichloroethene	ug/L	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	20	19.1	95	76-133	
Vinyl chloride	ug/L	20	12.2	61	57-136	
4-Bromofluorobenzene (S)	%			99	61-130	
Dibromofluoromethane (S)	%			101	67-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SP	IKE DUPLICA	ATE: 15374	11		1537412							
	4	0152914005	MS Spike	MSD Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	20	20	20.2	20.1	101	100	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	20	20	18.5	18.1	92	90	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.20	20	20	18.9	19.0	94	95	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	20	20	20.0	19.5	100	98	71-133	2	20	
1,1-Dichloroethene	ug/L	<0.41	20	20	18.7	18.2	94	91	75-136	3	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	20	20	15.0	14.7	75	73	70-130	2	20	
1,2-Dibromo-3- chloropropane	ug/L	<2.2	20	20	15.6	15.8	78	79	63-123	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	20	20	18.5	17.9	92	90	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	20	20	18.5	18.4	93	92	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	20	20	18.3	18.4	92	92	70-131	0	20	
1,2-Dichloropropane	ug/L	<0.23	20	20	17.8	17.9	89	89	80-120	0	20	
1,3-Dichlorobenzene	ug/L	<0.50	20	20	18.0	17.8	90	89	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	20	20	18.9	19.4	95	97	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS



Project: MILLER Pace Project No.: 40152880

MATRIX SPIKE & MATRIX SPI	KE DUPLIC	CATE: 15374	11		1537412							
			MS	MSD								
		40152914005	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Benzene	ug/L	<0.50	20	20	18.3	18.4	91	92	73-145	0	20	
Bromodichloromethane	ug/L	<0.50	20	20	18.4	18.3	92	91	70-130	1	20	
Bromoform	ug/L	<0.50	20	20	18.8	19.2	94	96	67-130	2	20	
Bromomethane	ug/L	<2.4	20	20	13.1	11.5	65	58	26-129	13	20	
Carbon tetrachloride	ug/L	<0.50	20	20	19.3	19.4	97	97	70-134	0	20	
Chlorobenzene	ug/L	<0.50	20	20	19.0	19.6	95	98	70-130	3	20	
Chloroethane	ug/L	<0.37	20	20	17.1	16.5	86	83	58-120	4	20	
Chloroform	ug/L	<2.5	20	20	18.6	18.9	93	94	80-121	1	20	
Chloromethane	ug/L	<0.50	20	20	7.3	8.2	36	41	40-128	12	20	M1
cis-1,2-Dichloroethene	ug/L	<0.26	20	20	20.0	19.7	100	98	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.50	20	20	18.5	18.2	93	91	70-130	2	20	
Dibromochloromethane	ug/L	<0.50	20	20	18.4	18.8	92	94	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.22	20	20	3.4	4.2	17	21	20-146	19	20	M0
Ethylbenzene	ug/L	<0.50	20	20	18.9	19.1	95	95	87-129	1	20	
Isopropyibenzene (Cumene)	ug/L	<0.14	20	20	19.1	18.8	95	94	70-130	1	20	
m&p-Xylene	ug/L	<1.0	40	40	39.1	37.3	98	93	70-130	5	20	
Methyl-tert-butyl ether	ug/L	<0.17	20	20	21.2	20.4	106	102	66-143	4	20	
Methylene Chloride	ug/L	<0.23	20	20	18.8	18.6	94	93	70-130	1	20	
o-Xylene	ug/L	<0.50	20	20	19.0	18.7	95	94	70-130	1	20	
Styrene	ug/L	<0.50	20	20	17.6	18.1	88	91	70-130	3	20	
Tetrachloroethene	ug/L	1.7	20	20	21.7	21.1	100	97	70-130	3	20	
Toluene	ug/L	<0.50	20	20	19.2	19.4	96	97	82-131	1	20	
trans-1,2-Dichloroethene	ug/L	<0.26	20	20	19.8	20.6	99	103	75-135	4	20	
trans-1,3-Dichloropropene	ug/L	<0.23	20	20	19.6	19.8	98	99	70-130	1	20	
Trichloroethene	ug/L	<0.33	20	20	19.4	19.3	97	97	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.18	20	20	18.0	18.0	90	90	76-150	0	20	
Vinyl chloride	ug/L	<0.18	20	20	12.0	12.1	60	60	56-143	1	20	
4-Bromofluorobenzene (S)	%						98	98	61-130			
Dibromofluoromethane (S)	%						101	102	67-130			
Toluene-d8 (S)	%						101	99	70-130		•	

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REPORT OF LABORATORY ANALYSIS



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QUALITY CONTROL DATA

Percent Moisture		%	15.9	15	6.0	6	10	
Parar	neter	Units	Result	Result	RPD			Qualifiers
SAMPLE DUPLICA	TE: 1537277		40452604000	Due		May		
QC Batch Method: Associated Lab Sar	ASTM D2974-87 nples: 40152880002		Analysis Desc	ription:	Dry Weight/Pen	cent Moisture		
QC Batch:	260986		Analysis Meth	00:	ASTM D2974-8	7		
00.0-4-6-					10TH B0074 0			
Pace Project No.:	40152880							
Project:	MILLER							

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REPORT OF LABORATORY ANALYSIS

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Project:	MILLER								
Pace Project No.:	40152880								
QC Batch:	261186		Analysis Meth	od:	ASTM D2974-	-87			
QC Batch Method:	ASTM D2974-87		Analysis Desc	ription:	Dry Weight/Pe	ercent Moi	sture		
Associated Lab Sar	nples: 40152880003								
SAMPLE DUPLICA	TE: 1537894	<u>.</u>							
			40152877002	Dup			Max		
Parar	neter	Units	Result	Result	RPD		RPD	Qualifiers	
Percent Moisture		%	12.3	12	2.1	2	1	0	

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REPORT OF LABORATORY ANALYSIS



Project:	MILLEF	र				
Pace Project No .:	401528	80				
QC Batch:	26146	60		Analysis Method:	ASTM D2974-87	<u></u>
QC Batch Method:	ASTN	D2974-87		Analysis Description:	Dry Weight/Percent Moisture	
Associated Lab San	nples:	40152880004, 40152880011,	40152880005, 40152880012,	40152880006, 40152880007, 40152880013	40152880008, 40152880009, 40152880010,	
SAMPLE DUPLICA	TE: 15	39430				

		40152880008	Dup		Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
Percent Moisture	%	25.7	26.3	3	1(0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



QUALIFIERS

Project:	MILLER
Pace Project No .:	40152880

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- P4 Sample field preservation does not meet EPA or method recommendations for this analysis.
- W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, LLC 1241 Bellevue Street - Suite 9 Green Bay, WI 54302 (920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MILLER Pace Project No.: 40152880

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40152880002	B-5, 25'	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880003	B-1, 8'	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880004	B-1, 14'	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880005	B-1, 18'	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880006	B-1, 25'	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880007	B-1, 30'	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880008	B-1, 35'	TPH GRO/PVOC WI ext.	261093	WI MOD GRO	261100
40152880009	B-1, 39'	TPH GRO/PVOC WI ext.	261246	WI MOD GRO	261287
40152880010	B-2, 24 1/2'	TPH GRO/PVOC WI ext.	261093	WI MOD GRO	261100
40152880011	B-3, 14	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880012	B-4, 20'	TPH GRO/PVOC WI ext.	260967	WI MOD GRO	260974
40152880013	B-4, 25'	TPH GRO/PVOC WI ext.	261246	WI MOD GRO	261287
40152880016	B-1, 35' (B)	TPH GRO/PVOC Wi ext.	261093	WI MOD GRO	261100
40152880001	WATER WELL	EPA 8260	260993		
40152880002	B-5, 25'	ASTM D2974-87	260986		
40152880003	B-1, 8'	ASTM D2974-87	261186		
40152880004	B-1, 14'	ASTM D2974-87	261460		
40152880005	B-1, 18'	ASTM D2974-87	261460		
40152880006	B-1, 25'	ASTM D2974-87	261460		
40152880007	B-1, 30'	ASTM D2974-87	261460		
40152880008	B-1, 35'	ASTM D2974-87	261460		
40152880009	B-1, 39'	ASTM D2974-87	261460		
40152880010	B-2, 24 1/2'	ASTM D2974-87	261460		
40152880011	B-3, 14	ASTM D2974-87	261460		
40152880012	B-4, 20'	ASTM D2974-87	261460		
40152880013	B-4, 25'	ASTM D2974-87	261460		
40152880016	B-1, 35' (B)	ASTM D2974-87			

REPORT OF LABORATORY ANALYSIS

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Phone:	1008225 9407	1	1	C	H	٨N	OF		US'	ТО	DY			Mail To Contact:	Rok	un Sen	mam
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L	spe	cial pricing and re	lease of Hability													Intact /	Not Intact

	Sample Condition Up	on Receipt	Analytical Services, LLC Green Bay W 1241 Bellevue Street, Suite 9	'l 9
Pace Analytical [®]			Green Bay, Wi 54302	2
		Project #:	ALE2080	
Client Name: Selmour		WO#:4	10152000	
Courier: Fed Ex F UPS Client F	ace other: CS Cause	604 mm 11		
Tracking #: 10710.070617				
Custody Seal on Cooler/Box Present: Ty	es 7 no Seals intact: Tye	s no 40152880	این از این می در میدود. این این این این این میدود می مواد با مواد با مواد با مواد و این این این این این این می مواد مواد می مواد و می	·
Custody Seal on Samples Present: J yes	who seals intact: I ye	S : NO		
Thermometer Used	Type of Ice: Wet Blue I	Dry None 7 Samples	on ice, cooling process has begun	
Cooler Temperature Uncorr: /Con	T: RO Biological Ti	ssue is Frozen: 🔽 yes	,,,,,	
Temp Blank Present: Ves Vno		no 🖂	Person examining contents:	
Temp should be above freezing to $6^{\circ}C$ . Blota Samples may be received at $\leq 0^{\circ}C$ .	Comm	ents:	Date:	
Chain of Custody Present:	Pres DNO DN/A 1.00	510 4 B-1,	18' K& 7/7/1	7
Chain of Custody Filled Out:	O DYes ZNO DNA 2 QU	dates are le	130 per sample lat	pla
Chain of Custody Relinquished		time 12 -1-11	7	-
Sampler Name & Signature on COC:	ZYes No N/A 4.	<u></u>		
Samples Arrived within Hold Time:	ZYes DNo DN/A 5.			
- VOA Samples frozen upon receipt	□Yes □No Date/Ti	ne:		
Short Hold Time Analysis (<72hr):	UYes ZNO UNA 6.			
Rush Turn Around Time Requested:	DYes ZNO DN/A 7.			
Sufficient Volume:	TYes INO TINA 8.00	8 no vial volu	me received Kf-7171	17
Correct Containers Used:	Øyes DNo DN/A 9.			• (
-Pace Containers Used:				
-Pace IR Containers Used:			-11-71	17
Containers Intact:	TYPE THE TWA 10.00	9 poly cap a	vit Acrewed on Kt	•
Filtered volume received for Dissolved tests	DYes DNO DINIA 11.			
Sample Labels match COC:	□Yes ZNO □N/A 12.00	of in water s	upply+time 0910	
-Includes date/time/ID/Analysis Matrix:	W/S place	13 slaced by	time Karitin	ſ
All containers needing preservation have been chec	Ked.	T HNO3 T H2SO4	NaOH T NaOH +ZnAct	
All containers needing preservation are found to be	n 7 13.			
compliance with EPA recommendation. (HNO3, H2SO4 ≤2: NaOH+ZnAct ≥9, NaOH ≥12)	□Yes □No ØN/A			
exceptions: VOA, coliform, TOC, TOX, TOH,		hen Lab Std #D of	Date/	
		eu proservauve		
Headspace in VOA viais ( >omm).				
Trip Blank Fresch.				
Pace Trip Blank Lot # (if purchased):				
Client Notification/ Resolution:		If checked, see atta	ched form for additional comments	
Person Contacted:	Date/Time:	e and inter	1 14 1775 WA-171	17
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000 ID 8-2 241/2 DIO	and loss and trive	and aligned a	Prove L'and Lala	
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Project Manager Review:	tor Pm	Date	: 7/7/17 · sample	-
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Pace Analytical Services LLC Green Bay W	I		Page 30 of 3	117

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Facilit Rizzo	y/Project	Name rty		5	Seymour	Proje	ct Number		License/Permit/Monitoring Number B-1						
Boring	Drilled	by									Date In	istalled			
On-si Boring	te (101 5 or Well	iy Kap Number	WI Unique Well Number (assigned by DNR	eyr .)	noi	ur)	Borehole	Diam	ieter		6/30/	Level	Su	rface E	levation
B-1 SW 1/4	of NE	¼ of S	ection <u>36 T 11 N R 02</u>	E	3		2-inch Grid Lo	cation	n (if applica	able)	<u> </u>	<u></u>		<u> </u>	
Cour	tv I	- Richlan	d County Code 53	-	Civil T	own	Wille	ow							
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S A	EC	D E	SOURDOCK	W	V	D I	TT	D	Stable		Soil P	ropert	ies	]	Dlami
P	v	T	DESCRIPTION			G	s	Q	v						Count
L E	E R	H (ft)		L		R A	C S	D	M (vppm)	q	w	ш	PL	P200	
	Y	Surf	Grass			M	:	<u> </u>				1	r		
1	60	Suri	Glass												
			Medium grained sand (fill)				sw		0						
		5						-			+			┝──┤	
2	55						ar		0						
			Change to slightly slity clay				CL								
		10	Silty clay, staining and odor	1											
3	60		present				CL		1800						
			Some sand layers and chert				SM	ļ							
		15										<u> </u>			
4	50		Re brown cherty clay				CL		850						
			Sand layers				SIM								
		20	Same as above	1											
5	46						SM MI		>2000				.		
							SM								
		25	Well graded layered fine sand	]											-
6	42		very fine silt layers				SW		1680						
	50	30	Silty sand, some clay and						1.5						
/	52		angular gravel (chert)				SM		12						
		35	Same as above				SM		60						
			Refusal				5141								
		40													
C!				L			Firm			<u> </u>		tol C -			
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Facilit Rizzo	y/Project	Name ertv				Se	ymour	Proje	ct Number		License B-2	e/Permi	it/Mon	itoring	Number
Boring	Drilled	by			l	、					Date In	stalled		·	
On-si Boring	te (Tor or Well	ny Kap Number	Ugi) Seymour Environmental (Robyn S WI Unique Well Number (assigned by DNF	eyn E)	<u>10u</u>	r) Boi	rehole	Diam	eter	-+	6/30/ Water	l 7 Level	Su	rface E	levation
B-2	-6. )	1/ -60				<u>2-i</u>	inch		. (:C	<u> </u>			<u> </u>		
<u>Sw</u> %	OI NE	_ % 0I S	ection <u>36</u> 1 <u>11</u> N R <u>02</u>	Е				cation		ible)					
Coun	ty I	Richlan	d County Code 53			Ci	vil To	own	Willo	w	·				
S A M	R E C O	D E P	SOIL/ROCK	WE	E I A		U	R	Stable O	5	Soil P	ropert	ies	]	Blow
P L E	V E R Y	T H (ft)	DESCRIPTION	L L	C F A N	3 2 4 4	S C S	Q D	V M (vppm)	q	w	LL	PL	P200	Count
1	60	Surf	Grass Silty topsoil						0						
						5	SW	_							
2	32	5	Medium brown fine sand, rock flour Sand with silt						2						
2	44	10	Red brown silty clay				זר		0						
5	44		Some sand layers and chert			5	SM		U						
4	48	15	Re brown cherty clay Sand layers			0	CL SM		0						
5	46	20	Same as above			2	SM		0						
			Refusal 24.5				ML SM								
Sign	ature						Firm	: Se	ymour E	nvirc	nmėn	tal Se	rvice	s. Inc.	

Facility Rizzo Boring On-si	y/Project Prope Drilled	Name rty by	ugi) Seymour Environmental (Robyn Se			Seymon	ır Proje	ect Number		License B-3 Date In	e/Permi stalled	t/Moni	itoring Number		
Boring B-3	or Well	Number	WI Unique Well Number (assigned by DNR)	<u>, , , , , , , , , , , , , , , , , , , </u>		Borehol 2-inch	e Dian	neter		Water I	Level	Su	rface E	levation	
<u>SW</u> ¼	of <u>NE</u>	¹ ⁄4 of S	lection <u>36</u> T <u>11</u> N R <u>02</u>	E		Grid I	ocatio	n (if applica	ble)				·		
Coun	ty I	Richlan	d County Code 53			Civil	Γown	Willo	w						
S A M P	R E C O V	D E P T	SOIL/ROCK DESCRIPTION	W E L	D I A G	US	R	Stable O V	s	Soil Pr	ropert	ies	]	Blow	
L E	E R Y	H (ft)		Ľ	R A M	C S	D	M (vppm)	q	w	LL	PL	P200	Count	
1	60	Surf	Grass Silty topsoil			ML		0	<b>_</b>						
			Silty clay, some chert			CL		U							
2	60	5	Change to slightly silty clay			CL		0.1							
3	44	10	Silty clay, staining and odor present Some sand layers and chert Refusal at 14			CL SM		18							
Sign	ature					Firr	n: Se	evmour E	nviro	nmen	tal Se	rvice	s. Inc.		

Facilit	/Project	Name	····			Sevm	our P	Proie	ct Number		License	/Permi	t/Moni	toring	Number
Rizzo	Prope	rty				B-4									
Boring	Drilled	by				、 、					Date In	stalled			
On-si Boring	te (101	Number	UGI) Seymour Environmental (Kobyn S WI Unique Well Number (assigned by DNP	eym	lour	) Roreh	le D	)iam	eter		0/30/1 Water 1	evel	S11	rface F	levation
Boring B-4	, or wen	TAULIDEI	WI Onique wen Number (assigned by Divic	.)		2-inc	h	/10111	0101		Water 1		50	11400 12	evanon
<u>SW</u> ¼	of NE	¼ of S	ection <u>36</u> T <u>11</u> N R <u>02</u>	E		Grid	Loca	atior	n (if applica	uble)					
Coun	tv 1	Richlan	d County Code 53		-	Civil	To	wn	Wille	าพ					
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S	E	D			D						Soil Pr	onert	iec	]	
A M		E P	SOIL/ROCK	W E	I	L U		R	Stable					]	Blow
P	v	T	DESCRIPTION	L	G	Š		Q	v						Count
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1	60		Silty topsoil			MI	·								
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			Silty clay, some chert			CL									
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2	32								0				-		
			Change to slightly silty clay			CL									
											·				
		10	Silty clay, slight sand			CL	1		_						
3	44								0						
ļ			Some sand layers and chert			SN									
		15					-+								
4	48	15	Red brown cherty clay												
			Sand layers			SM									1
			Slight odor						20						
		20	Same as above												
5	46		Red brown cherty clay			CL									
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Sign	ature					Fi	m:	Se	vmour E	nviro	nmen	tal Se	rvice	s. Inc.	

Facility/Project Name License/Permit/Monitoring Number															
Rizzo Property						Seymour Project Number				B-5					
Boring Drilled by Date Installed															
On-site (Tony Kapugi) Seymour Environmental (Robyn Seymour) 6/30/17  Pering or Well Number (Assigned by DNP) Personal Diameter Water Long Surface Elemeter															
B-5 Brinde Henrichander (Bolghed by Dirty) Bolenote Dianeter Water Level Bullate Elevation								icvation							
<u>sw</u> %	<u>SW ¼ of NE ¼ of Section 36 T 11 N R 02 E</u> Grid Location (if applicable)														
Coun	County Richland County Code 53 Civil Town Willow														
S A M P	R E C O V	D E P T	SOIL/ROCK E A DESCRIPTION L C			D I A G	U R S Q	R O Q V -	S	Soil Properties			Blow Count		
L E	E R Y	H (ft)		L	H A N	R A M	C S	D	M (vppm)	٩	w	LL	PL	P200	
1	60	Surf	Grass Silty topsoil				ML		0						
			Silty clay, some chert				CL		U						
2	32	5	Change to slightly silty clay				CL		4	-					
		10	Silty clay, slight sand				CL		0.2						
3	44		Some sand layers and chert				SM		0.2						
4	48	15	Red brown cherty clay Sand layers				CL SM		0						
5	46	20	Same as above Red brown cherty clay End of boring				CL		0.8						
									-						
Signature					Firm	: Se	eymour E	nviro	nmen	tal Se	rvice	s, Inc.			

# Phone call documentation

I called the consultant that is attached to the site on 1/15/16. I spoke to or left a message about the need to submit claims by the Feb 1 deadline. I said "My name is Thomas Foellmi, I work for the WDNR. I am calling to remind you that the Feb 1 deadline to turn claims in is near, if you want to be reimbursed turn claims in by Feb 1. If you have any questions contact the Project Manager of the site. Thank you."

Thomas Foellmi 1/15/16

State of Wisconsin DEPARTMENT OF NATURAL RESOURCES 3911 Fish Hatchery Road Fitchburg, Wisconsin 53711-5397 Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



May 5, 2015

Samuel and Anna Miller 22832 State Highway 154 Hillpoint, Wisconsin 53937

Robert and Teresa Rizzo 1306 Wilmette Avenue Wilmette, Illinois 60091

# Subject: Reported Contamination at Rizzo Property, 22832 State Highway 154, Willow, Richland County WDNR BRRTS # 03-53-554361

Messrs. Miller and Rizzo:

On September 14, 2009, the Wisconsin Department of Natural Resources ("WDNR") was notified that soil contamination had been discovered at the site referenced above. Gasoline Range Organics (GROs) were detected in a soil sample collected during the removal of an underground storage tank at the subject site. Based on the information that has been submitted to the WDNR, you are responsible for investigation and restoring the environment at this site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spill law.

Responsibilities under Section 292.11 of the Wisconsin Statutes commonly referred to as the Spill Law, require determination of the extent of contamination, clean up and proper disposal of contaminants. These activities should occur in a timely manner. It is the responsibility of the Department to ensure that this action occurs. Failure to take the actions required by s. 292.11, Wis. Stats., to address this contamination might lead to a recommendation that this case be reviewed for enforcement actions.

The Department has not received any information on the progress of investigative or remedial actions at the site since the time that the Department sent you the notification of your responsibilities dated October 27, 2009. On September 14, 2011, the WDNR sent a request for a status update. In addition, the WDNR has sent a letter of Non-Compliance dated February 1, 2012, which has since been rescinded.

Therefore, within 60 days the Department is requesting a summary of investigative and remedial work that has been performed at this site. The summary should also include a proposed timeline for completing any investigative and/or remedial actions to bring this case to closure. This summary should be submitted in writing to me at the above address.

Noting failure to take the actions required by s. 292.11, Wis. Stats., to address this contamination might lead to a recommendation that this case be reviewed for enforcement actions. One possible action involves the Department recording a notice of residual contamination on the property's deed under section NR 728.11, Wis. Adm. Code. The deed notice would inform any potential purchaser of the property of the presence of the contamination, and this notice would remain in effect until the contamination has been addressed. For more environmentally serious situations, the Department has the ability through our stepped enforcement process to take additional enforcement actions, up to and including referral of the case for prosecution by the Department of Justice. Such referrals will result in court-stipulated actions and monetary forfeitures.

I have enclosed a copy of the Tank System Closure Assessment Report. If you are experiencing problems selecting an environmental consultant or if you have other questions concerning the cleanup process, please write or call me at (608) 275-3220. Thank you for your attention to this matter.

Sincerely,

Jon Heberer

Hydrogeologist, Remediation & Redevelopment Program South Central Region

Enclosure



# 2015 Property Record | Richland County, WI

Assessed values not finalized until after Board of Review Property information is valid as of APR 07 2015 11:09PM

# OWNER

SAMUEL C & ANNA E MILLER

## CO-OWNER(S)

## FORMER OWNERS

(2009) ROBERT A & TERESA T RIZZO

# **PROPERTY INFORMATION**

# ADDRESS

SAMUEL C & ANNA E MILLER 22832 STATE HWY 154 HILLPOINT, WI 53937

# **PROPERTY DESCRIPTION**

S 1/2 NE 1/4 THE N 1/2 W OF STATE HWY 154 RT-O-WAY (OR AS DESC IN DOC 289106) EX THE WEST 185'

## Property Address:

22832 STATE HWY 154

Municipality:

TOWN OF WILLOW

#### Parcel ID: 032-3614-1000 **DEED INFORMATION** Alternate ID: School Districts: ITHACA SCHOOL DISTRICT Other Districts: SOUTHWEST WIS TECH COLL RICHLAND FIRE DISTRICT _ _

<u>Section</u>	<u>Town</u>	<u>Range</u>	<u>Qtr Qtr Section</u>	<u>Qtr Section</u>
36	11N	02E		
Lot:				
<u>Block:</u>				
Plat Name:				
N/A				
Plat History:				
( <u>2015</u> ) N/A				

# **TAX INFORMATION FOR 2015**

Net Tax Before Credits:	.00
Lottery Credit:	.00
First Dollar Credit:	.00
Net Tax After:	.00

	<u>Amt. Due</u>	Amt. Paid	<u>Balance</u>
Tax	.00	.00	.00
Special Assmnt	.00	.00	.00
Special Chrg	.00	.00	.00
Delinquent Chrg	.00	.00	.00
Private Forest	.00	.00	.00
Woodland Tax	.00	.00	.00
Managed Forest	.00	.00	.00
Prop. Tax Interest		.00	.00
Spec. Tax Interest		.00	.00
Prop. Tax Penalty		.00	.00
Spec. Tax Penalty		.00	.00
Other Charges	.00	.00	.00
TOTAL	.00	.00	.00

Document #	Page	<u>Volume</u>
<u>289106</u>	<u>116</u>	<u>547</u>
	<u>750</u>	<u>231</u>
	<u>103</u>	<u>163</u>

# LAND VALUATION

Valuation D	Date:			20140821		
<u>Code</u>	<u>Acres</u>	Land Value	Improvements	<u>Total</u>		
G7	1.000	9,000	86,400	95,400		
G5M	9.200	8,300	0	8,300		
G4	13.000	3,400	0	3,400		
_	23.200	20,700	86,400	107,100		
Total Acre	<u>s:</u>			23.200		
Assessme	nt Ratio:			0.0000		
Mill Rate:			0.00000000			
<u>Fair Marke</u>	t Value:			N/A		

# **INSTALLMENTS**

Period

End Date

Amount
### **PAYMENT HISTORY (POSTED PAYMENTS)**

<u>Date</u>	<u>Receipt #</u>	Source	<u>Type</u>	<u>Amount</u>	Tax Status	Assess. Status	<u>Interest</u>	<u>Penalty</u>	<u>Total</u>
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Prop. Tax Penalty

Spec. Tax Penalty

Other Charges

TOTAL

### 2009 Property Record | Richland County, WI

Assessed values not finalized until after Board of Review Property information is valid as of MAY 04 2015 11:10PM

ROBERT A & TERESA T RIZZO       ROBERT A & TERESA T RIZZO         CO-OWNER(S)       PROPERTY DESCRIPTION         FORMER OWNERS       PROPERTY DESCRIPTION         (2000) ROBERT A & TERESA T RIZZO       PROPERTY UNFORMATION         Parcel ID;       032-3614-1000         Atomata ID;       School Distribut:         School Distribut:       032-3614-1000         Voluma       Page       Document#         Other Distribut:       020-00 (STRICT)         Other Distribut:       OUR OF Section       Valuation Date:         School Distribut:       020 (Stribut:       0000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000 (1,000	OWNER	ADDRESS
CO-OWNER(S)       PROPERTY DESCRIPTION       SE 1/4 NE 1/4 W OF STATE HWY 154 RT-O-WAY       PROPERTY INFORMATION       Parcell D:     032:3014-1000       Alternate ID:     032:3014-1000       PROPERTY INFORMATION     DeED INFORMATION       Parcell D:     032:3014-1000       Municipality:     TOWN OF WILLOW       DeED INFORMATION     231     250       Other Districts:     303     163     103       Solution Issue     Otr Section     Valuation Date:     20091113       Saction I Tom Barace     Otr Out Section     Valuation Date:     20091113       Solution Issue     Otr Section     1.500     1.500     0       Solution Issue     Otr Section     1.500     1.500     0     1.500       Solution Issue     Otr Out Section     1.500     34     1.000     1.500     0       Biok:     000     4.200     0     4.200     0     4.200       Minitarization:     000     1.500     0     0.00     0       Biok:     000     1.000     0     0.00     0       Part Isstore:     000     0     1     0.037110     0.00       Tax Interest     00     0     <	ROBERT A & TERESA T RIZZO	ROBERT A & TERESA T RIZZO
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FORMER OWNERS     PROPERTY DESCRIPTION       (2003) ROBERT A & TERESA T RIZZO     SE 1/4 NE 1/4 W OF STATE HWY 154 RT-O-WAY       PROPERTY INFORMATION     Maricipality:       ParcellD:     022-3614-1000       Attential D:     022-3614-1000       Attential D:     022-3614-1000       School Districts:     1250       School Districts:     1253       Solutionstreet     163       Solutionstreet     01r Otr Section       36     11N     022       Backi:     01r Otr Section       36     11N     022       Backi:     0000       36     11N     022       Backi:     0000       9000     4,200     0       9000     4,200     0       9000     4,200     0       9000     4,200     0       9000     4,200     0       9000     4,200     0       9000     4,200     0       9000     4,200     0       9000     4,200     0       121 Aberes:     0.00       9000     4,200     0       9000     4,200     0       9000     4,200     0       121 Aberes:     0.00       121 Aberes: <td>CO-OWNER(S)</td> <td></td>	CO-OWNER(S)	
FORMER OWNERS         PROPERTY INFORMATION         SE 1/4 NE 1/4 W OF STATE HWY 154 RT-O-WAY           PROPERTY INFORMATION         Determine         COUNT OF WILLOW           ParcealID:         O32-3814-1000         Minibality:         COUNT OF WILLOW           ParcealID:         O32-3814-1000         Minibality:         COUNT OF WILLOW           ParcealID:         O22-3814-1000         Minibality:         COUNT OF WILLOW           School Districts:         Other Districts:         Count of the count of		
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ITHACA SCHOOL DISTRICT         Other Districts:         SOUTHWEST WIS TECH COLL         RICHLAND FIRE DISTRICT         Section       Town         36       11N         026         Block:         Plat Name:         NA         Plat History:         2015) N/A         VA         Plat History:         2015) N/A         VA         Plat History:         2015) N/A         VA         Plat Mame:         Valuation Date:         20000         Quite Date         20000         Quite Date         Quite Date         Quite Date         Quite Date         Quite Date         Richard Date         Quite Date         Quit	SCHOOLDISTICIS.	<u>163</u> <u>103</u>
Control Districts.         Control District           South WEST NIST FECH COLL RICHLAND FIRE DISTRICT         Arr Qtr Qtr Section         Qtr Section<		
Solo Inviso Wissien Coll       Car Our Section       Our Section       Valuation Date:       20091113         Section       Town       Rance       Our Our Section       Our Section       Code       Acress       Land Value       Improvements       Total         Lot:       Section       Our Our Section       Our Sectin       Our Sectin       O		
Section         Town         Bance         Otr Otr Section         Otr Section         Valuation Date:         20091113           36         11N         02E         Inprovements         Total         Inprovements         Total           Iot:         Iot:         Iot:         Iot:         Iot:         Iot:         Iot:         Iot:         Iot:         Inprovements         Total           Block:         Iot:	RICHLAND FIRE DISTRICT	
36         11N         02E         Code         Acres         Lad Value         Innovements         Total           Lot:         Block:         634         1.000         1,500         0         1,500           Block:         Block:         634         8.000         2,700         0         2,700           NA         9.000         4.200         0         4.200         0         4.200           NA         9.000         4.200         0         4.200         0.2700         0.02435830           Vital History:         0.020435830         9.000         Assessment Ratio:         1.009         1.002435830           Cate Acres:         85.84         0.020435830         Fair Market Value:         N/A           TAX Before Credits:         85.84         0         1         01/31/10         85.84           Lottery Credit:         .00         .00         1         0.1/31/10         85.84         2         07/31/10         .00           Net Tax After:         85.84         .000         2         07/31/10         .00         .00           Special Assmnt         .00         .00         .00         .00         .00	Section Town Bange Otr Otr Section Otr Section	Valuation Date: 20091113
Lot:       G5M       1.000       1.500       0       1,500         Block:       Plat Name:       9.000       4,200       0       4,200         N/A       9.000       4,200       0       4,200         Plat History:       9.000       4.200       0       4,200         Q015) N/A       Total Acres:       9.000       4.200       0       4,200         Mill Rate:       0.0204358300       1.0692       Mill Rate:       0.0204358300       Fair Market Value:       N/A         TAX INFORMATION FOR 2009       Mill Rate:       0.0204358300       Fair Market Value:       N/A         Net Tax Before Credits:       85.84       85.84       00       1       01/31/10       85.84         Lottery Credit:       .00       .00       1       01/31/10       85.84       2       07/31/10       .00         Net Tax After:       .00       .00       .00       .00       .00       .00       .00       .00       .00         Special Assmnt       .00       .00       .00       .00       .00       .00       .00       .00       .00         Prop. Tax Interest       .00       .00       .00       .00       .00       .00 </td <td>36 11N 02E</td> <td>Code Acres Land Value Improvements Total</td>	36 11N 02E	Code Acres Land Value Improvements Total
Band       G4       8.000       2,700       0       2,700         Block:       9.000       4,200       0       4,200         NA       9.000       4,200       0       4,200         Plat History:       9.000       4.200       0       4,200         (2015) N/A       Total Acres:       9.000       4.200       0       4,200         TAX INFORMATION FOR 2009       Mill Rate:       0.020435830       1.0692         Net Tax Before Credits:       85.84       0.00       1       01/31/10       85.84         Lottery Credit:       .000       1       01/31/10       85.84       2       07/31/10       .00         Net Tax After:       85.84       .00       2       07/31/10       .00       .00         Special Assmnt       .00       .00       .00       .00       .00       .00       .00         Priop. Tax Interest       .00       .00       .00       .00       .00       .00       .00       .00	l of	G5M 1.000 1,500 0 1,500
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Instruction         Mill Rate:         0.020435830           (2015) N/A         Fair Market Value:         N/A           TAX INFORMATION FOR 2009         Instruction         Instruction           Net Tax Before Credits:         85.84         Instruction           Lottery Credit:         .00         1         01/31/10         85.84           Lottery Credit:         .00         1         01/31/10         85.84           Net Tax After:         .00         2         07/31/10         .00           Net Tax After:         .00         .00         .00         .00         .00           Net Tax After:         .00         .00         .00         .00         .00         .00           Special Assmnt         .00         .00         .00         .00         .00         .00           Delinquent Chrg         .00         .00         .00         .00             Woodland Tax         .00         .00         .00              Yoodland Tax         .00         .00         .00              Spec. Tax Interest         .00         .00 </td <td>Plat History:</td> <td>Assessment Ratio: 1.0692</td>	Plat History:	Assessment Ratio: 1.0692
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### PAYMENT HISTORY (POSTED PAYMENTS)

Date	Receipt #	Source	Type	Amount	Tax Status	Assess. Status	Interest	Penalty	<u>Total</u>
12/29/09	153	Μ	T	85.84	N	N	.00	.00	85.84

Richland Pounti WISCONSIN

TOTAL

Over-Payment

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### 2010 Property Record | Richland County, WI

Assessed values not finalized until after Board of Review Property information is valid as of APR 07 2015 11:09PM

OWNER					ADDRESS			
ROBERT A & TERES					ROBERT A & TERESA	T RIZZO		
				2000 - 2000 2000 2000	1306 WILMETTE AVE WILMETTE, IL 60091			
CO-OWNER(S)						a a a cara a		
					PROPERTY DES			
FORMER OWNE	ERS			*	SW 1/4 NE 1/4			
		×			Property Address:			
					Municipality:		TO	NN OF WILLOW
PROPERTY INF	ORMATIO	N			and the second			
Parcel ID:			· (	032-3613-0000	DEED INFORMA	ΓΙΟΝ		
Alternate ID:								
School Districts:					Volume	Page	×	Document #
ITHACA SCHOOL DI	STRICT				231	<u>750</u>		
Other Districts					<u>163</u>	<u>103</u>		
SOUTHWEST WIS T	FCH COLL				and the provide states of the	. о.		
RICHLAND FIRE DIS	TRICT				LAND VALUATIO	N		
Section Town	Range	<u>Qtr Qt</u>	Section	<b>Otr Section</b>	Malastian Datas			
36 11N	02E				Valuation Date:		_	20090331
Lot:					<u>Code</u> <u>Acres</u>	Land Value	Improvem	<u>ents</u> <u>Total</u>
Block:					G7 1.000	8,000	65	,400 73,400
Plat Name:					G5M 21.000	31,500		0 31,500
N/A					64 18.000	5,400		0 5,400
Plat History:					40.000	44,900	65	,400 110,300
(2010) N/A					<u>Total Acres:</u>			40.000
( <u>2010</u> ) N/A					Assessment Ratio:			.0000
					Mill Rate:			0.021226960
TAX INFORMAT	ION FOR	2010			Fair Market Value:			N/A
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Delinquent Chrg		00	.00	.00				
Private Forest		00	.00	.00				
Woodland Tax		00	.00	.00				
Managed Forest		00	.00	.00				
Prop. Tax Interest			.00	.00				
Spec. Tax Interest			.00	.00				
Prop. Tax Penalty			.00	.00				
Spec. Tax Penalty			.00	.00				
Other Charges		υU	.00	.00				

### PAYMENT HISTORY (POSTED PAYMENTS)

<u>Date</u>	Receipt #	<u>Source</u>	<u>Type</u>	Amount	Tax Status	Assess. Status	<u>Interest</u>	<u>Penalty</u>	Total

# Memorandum

03-53-554361

TO: CASE FILE RIZZO PROPERTY CC: From: WOODY MYERS, TEAMLEADER WONR Date: 1/7/13 Re: STATUS UP DATE

A NON WAS SENT 2 FEB 12 AND LATER RESCENDED. THE RIZZO'S CLAIM THEY ARE NOT THE CORRENT OWNERS. AND THAT THE PROPERTY WAS SOLD. THEY DID NOT PROVIDE THE NAME OF NEU OWNERS.

NEEN TO MAKE A TAIP TO THE RICHLAND COUNTY COURT HOUSE. CONFIRM SALE AND GET NEN OWNERS INFO.



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor Cathy Stepp, Secretary Mark Aquino, Regional Director South Central Region Headquarters 3911 Fish Hatchery Road Fitchburg, Wisconsin 53711-5397 Telephone 608-275-3266 FAX 608-275-3338 TTY Access via relay - 711

February 1, 2012

Robert Rizzo 1306 Wilmette Avenue Wilmette IL 60091

RESCENDED NEN OWNER

SUBJECT: NOTICE OF NON-COMPLIANCE, Rizzo Property, 33832 STH 154, Willow, Richland County, Wisconsin WDNR BRRTS # 03-53-554361

### Dear Mr. Rizzo:

This Notice of Non-compliance is being issued to you for your failure to complete a site investigation at the subject site, as required under Section 292.11, Wisconsin Statutes, commonly referred to as the Spill Law, which requires you to take action to minimize the harmful effects from a discharge of hazardous substances to the air, lands or waters of this state.

On September 14, 2011, you were sent a request for a status update, to which you did not respond. You were asked to submit to the Department, within 45-days of that letter a timeline that identifies a schedule under which you intend to complete the site investigation. To date, the Department has not received any correspondence from you that indicates you have hired an environmental consultant, established a timeline or started a site investigation on your property to determine the degree and extent of contamination.

Section 292.11, Stats., requires that a person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall do the following:

- Investigate the degree and extent of contamination.
- Take the actions necessary to restore the environment to the extent practicable.
- Minimize the harmful effect from the discharge to the air, lands or waters of the state.

To fulfill this responsibility, you will need to comply with the Wisconsin Administrative Code chapters NR 700 through 749, which establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

You will need to hire an environmental consultant to evaluate the site and plan any needed remedial actions. By March 2, 2012, you are required to provide the Department with a site investigation workplan which complies with ch. NR 716, Wisconsin Administrative Code. The workplan should be submitted to me in writing at the letterhead address.



If you do not proceed with the case, you may be subject to enforcement actions, which could include referral of the case to the Wisconsin Department of Justice, and/or the placing of a lien on the property.

If you have any questions regarding this matter, please contact me at (608) 273-5613.

Sincerely,

Will (Woody) Myers Team Leader Remediation & Redevelopment Program

Case File



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor Cathy Stepp, Secretary Lloyd L. Eagan, Regional Director South Central Region Headquarters 3911 Fish Hatchery Road Fitchburg, Wisconsin 53711-5397 Telephone 608-275-3266 FAX 608-275-3338 TTY Access via relay - 711

September 14, 2011

Robert Rizzo 1306 Wilmette Avenue Wilmette IL 60091

Subject: Petroleum Contamination at the Rizzo Property, 33832 STH 154, Willow WDNR BRRTS #03-53-554361

Dear Mr. Rizzo:

The Department of Natural Resources' Remediation and Redevelopment Program (the Department) recently reviewed the case file for the above named site and determined that the information is not current. The Department was notified on September 19, 2009 of petroleum contamination encountered during the site tank closure. The Department then notified you on October 27, 2009 of your responsibilities to investigate the degree and extent of contamination and clean up the site. Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11(3), Wisconsin Statutes (formerly s. 144.76(3), Wis. Stats.), states:

• RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

The Department is requesting that within 45 days, by December 1, 2011, you provide a summary of investigative and cleanup work that has been performed on this site to date. The summary should also include a proposed timeline for completing any investigative and/or remedial actions that might be needed to bring this case to closure. This summary should be submitted in writing to me at the above address.

It appears that this case might be eligible for participation in the Department of Commerce's Petroleum Environmental Cleanup Fund Award (PECFA) program. PECFA funds can be used to reimburse responsible parties for their costs to investigate and clean up contamination from eligible petroleum tank systems. More information about the PECFA program can be obtained by calling (608) 264-8765 or through the Department of Commerce's web site at http://www.commerce.state.wi.us/ER/pdf/pecfa/ER-PECFA-

ERS10083%28Info%29_REV_7-07.pdf. However, because PECFA operates as a reimbursement program, responsible parties generally have to have an initial source of funding (e.g., a line of credit from a bank) available to pay the investigation and cleanup costs, and then seek reimbursement of those costs. In situations where the



responsible party cannot come up with the initial funding needed to begin the investigation and cleanup, PECFA does offer a second alternative, the PECFA agent.

An agent means a person or organization (i.e., environmental consulting firm) designated by the responsible party to act on behalf of the responsible party in conducting the investigation and cleanup. The agent is responsible for paying for the cleanup and submitting the claims for PECFA reimbursement. The reimbursement checks are then issued in the name of the responsible party and the agent, and mailed to the agent. This alternative eliminates the need for a responsible party to secure a line of credit from a bank to pay the investigation and cleanup costs. More information about the PECFA agent process can be found at http://commerce.wi.gov/ER/ER-PECFA-Agents.html, or by calling (608) 264-8765.

You should note that failure to take the actions required by s. 292.11, Wis. Stats., to address this contamination might lead me to recommend that this case be reviewed for Department enforcement actions. One possible action involves the Department recording a notice of residual contamination on the property's deed under section NR 728.11, Wis. Adm. Code. The deed notice would inform any potential purchaser of the property of the presence of the contamination, and this notice would remain in effect until the contamination has been addressed. For more environmentally serious situations, the Department has the ability through our stepped enforcement process to take additional enforcement actions, up to and including referral of the case for prosecution by the Department of Justice. Such referrals will result in court-stipulated actions and monetary forfeitures.

If you are experiencing problems selecting an environmental consultant or if you have other questions concerning the cleanup process, please do not hesitate to write or call me at (608) 273-5613. I can also be reached by e-mail at will.myers@Wisconsin.gov. Thank you for your attention to this matter.

Sincerely,

Will (Woody) Myers Team Leader Remediation & Redevelopment

cc: PECFA, Department of Safety and Professional Services

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	, wo - wa									
CAS number	(s) <u>:</u>		<u> </u>			<u></u>				<u></u>
3.Source of F	Release: T =	tank, P = piping	j, D = dispenser	r, STP = subm	ersible turbir	e pump, DP =	e delivery pro	blem, O = other	) = other	
	PES (Ch	eck annlicah	le hoy at righ	nt in respon	ise to all	statements	in Section			
Written r	netification	was provided	o the local age	ent 15 days in	advance o	f closure date	ə. 🛛	Y 🗆 N		
All lecal KI UST I	permits we Form FRS-	re obtained be 7437 or TIA9	fore beginning ST ERS-8731 f	closure. iled by owner	with the D	_]N L]KNA ept.ofComm	erce indica	tina closure.	<b>N</b> Y F	
NOTE:	TANK INVE	ENTORY FOR	A ERS-7437 or	ERS-8731 S	IGNED BY	THE OWNER	R MUST BE	E SUBMITTED V	VITH EACH	CLOSURE
	E-IN-SERV	RILY OUT OF	SERVICE			<u>.</u>		Remover	Inspecto	r NA
	Product line	oved es drained into	tank (or other	container) an	d liquid ren	noved and				
b. /	All product	removed to bo	ttom of suction	line, OR						
C. /	VI product	removed to wit	hin 1" of bottor	n.						
2. Fill 3. All	pipe, gaug	es at the island	Jck vapor reco	very fittings, a	and vapor r	eturn lines ca	pped.			
4. Uis	pensers/pi	imps left in pla	ce but locked a	and power dis	sconnected		open, OK			

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### - CONTINUE ON NEXT PAGE -



North

Not to Scale Tank Size 36848 Gasoline Rizzo Prop. TN Willow Richlad Co Sect 36



State of Wisconsin Department of Natural Resources

(Area Code) FAX Number

#### Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to the "Spills Law", s. 292.11 Wis. Stats., Section NR 706.05(1)(b), Wis. Adm. Code, requires that hazardous substance discharges are to be reported by one of three methods: telephoning the Department (toll free Spill Hotline number above), telefaxing a report to the Department or visiting a Department office in person. If you choose to notify the Department by telefax, you should use this form to be sure that all necessary information is included. However use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.). Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. TYPE or PRINT LEGIBLY. FAX it to the appropriate DNR region (see next page) IMMEDIATELY upon discovery of a potential release from (check one):

X

Underground Petroleum Storage Tank System Aboveground Petroleum Storage Tank System

Dry Cleaner Facility (DERP eligibility based on: ] Facility owner/operator ] Property owner of licensed facility) Other - Describe:

#### TO DNR. ATTN: **R & R Program Assistant**

**Discharge reported by:** 1. Date FAXed to DNR Name Firm -14-09 Lanua Her (Area Code) Phone Number Mailing Address 9863 61:54634 80 Site Information 2. Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence / vacant property Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60 St Awy 154 33832 Municipality (City, Village, Township) Specify municipality in which the site is located, not mailing address/city W;  $//_0 W$ Legal Description: County: 510 1/4, NE 1/4, Section 36, Tn 1/ N, Range (E) W (circle one) KARt ichland Responsible Party (RP) and/or RP Representative 3.  $\square$ Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all Attach additional pages as necessary leresA 220 V) Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see http://dnr.wi.gov/org/aw/rr/liability/muni 1.html Contact Person Name (if different) Phone Number 847-856-867 State ZIP Code Mailing Address City State 60091 Wilmette 1306 Wilmette Que

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Form 4400-225 (07-03) Page 2 of 2

4. Hazardous Substance Imp Identify hazardous substance disch	act Information arged (check all that ap	plv):	
METALS Arsenic Chromium Lead Mercury Metals (specify): Solvent-Chlorinated Solvent-Non Chlorinated PERC VOC's	INDUSTRIAL CHEMIC Ammonia Cyanide Paint PCB's VOC's Fertilizers Pesticide/Herbicide/In Leachate RCRA Hazardous Wa	CALS F CALS F Secticide(s) C Ste	PETROLEUM Diesel/Fuel Oil Engine Oil/Waste Oil Mineral/Transmission/Hydraulic Oil Gasoline (Pb/Non-Pb/Unknown) Jet Fuel/Kerosene MTBE VOC's PAH's/SVOC Petroleum-Unknown Type
Impacts to the environment (enter "	K" for known/confirmed	or "P" for potential for all	Other (specify):
Air Contamination Co-contamination Concrete/Asphalt Contained/Recovered Contamination Within 1 Me Contaminated Private Well Contaminated Public Well Contamination in Fracture	eter of Bedrock Off- Free Gro Off- d Bedrock Oth	ntamination in Right of Way ect Contact panding Plume Explosion Threat e Product pundwater Contamination Site Contamination er	<ul> <li>Sanitary Sewer Contamination</li> <li>Soil Contamination</li> <li>Storm Sewer Contamination</li> <li>Surface Water Contamination</li> <li>Within 100 ft of Private Well</li> <li>Within 1000 ft of Public Well</li> </ul>
Contamination was discovered as a 図Tank closure assessment S Date 8-28-09 Date Lab results: Lab results will be faxed up 反 Lab results are attached Additional Comments: Include a brie	result of: ite assessment on receipt of description of immedia	Other – Describe: Date Ite actions taken to halt t	he release and contain or cleanup
Mazardous substances that have be Tank Was Removed 1 MSA & BARA boo to Pr	en discharged. role was bachf occerte lef clev	illed they f	nave Contacted
FAX numbers to report non-emerge	ency releases in DNR's	five regions are as follow	Ws:
Northeast Region (920-662-5197); A Brown, Calumet, Door, Fond d Manitowoc, Marinette, Marque Northern Region (715-365-8932); At	ttention - RR Program / u Lac (except City of Wa te, Menominee, Oconto, tention - RR Program A	Assistant: hupun - see South Centr Outagamie, Shawano, Wa ssistant:	<b>al Region)</b> , Green Lake, Kewaunee, aupaca, Waushara, Winnebago counties
Ashland, Barron, Bayfield, Buri Sawyer, Taylor, Vilas, Washbu	nett, Douglas, Forest, Floi rn counties	rence, Iron, Langlade, Lin	coln, Uneida, Polk, Price, Rusk,
South Central Region (608-275-333 Columbia, Dane, Dodge, Fond Sauk counties	3); Attention - RR Progra du Lac <i>(City of Waupun</i>	am Assistant: only), Grant, Green, Iow	a, Jefferson, Lafayette, Richland, Rock,
Southeast Region (414-263-8483); A Kenosha, Milwaukee, Ozaukee	t <b>tention - RR Program</b> , Racine, Sheboygan, Wa	Assistant: alworth, Washington, Wau	Ikesha counties
West Central Region (715-839-6076 Adams. Buffalo, Chippewa, Cla Pierce, Portage, St. Croix, Trer	<b>; Attention – RR Progra</b> rk, Crawford, Dunn, Eau- pealeau, Vernon, Wood	<b>m Assistant:</b> Claire, Jackson, Juneau, counties	LaCrosse, Marathon, Monroe, Pepin,



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### ANALYTICAL REPORT

MARELL INC.	Project Name: ROBERT & TERESA	Page 1 of 2
TANYA HERBECK	Contract #: 1482	Arrival Temperature: See COC
E18763 ST HWY 33	Project #: RI330	Report Date: 9/4/2009
HILLSBORO, WI 54634	Folder #: 75001	Date Received: 8/28/2009
	Purchase Order #:	Reprint Date: 9/4/2009

CT LAB#: 717429 Sample Description: 12" UNDER TANK MIDDLE					· · ·	Sampled: 8/28/2009 0913				
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst I	Method
Inorganic Results										
Solids, Percent	88.7	%	N/A	N/A	1			9/2/2009 16:0	0 EJC E	PA 8000C
Organic Results										
Gasoline Range Organics	1900	mg/kg	31	100	20	L	8/31/2009 08:00	8/31/2009 20:2	5 BMS W	/DNR GRO





distance more than data from your environmental analyses.

MARELL INC. Project Name: ROBERT & TERESA Project #: RI330 Contract #: 1482 Folder #: 75001 Page 2 of 2

#### Notes regarding entire Chain of Custody:

Notes:

- * Indicates Value in between LOD and LOQ.
- ^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. Although certain analyses may indicate NELAP accreditation, the parameters may not necessarily have been analyzed and/or reported following NELAP conventions or requirements.



	QC Qualifiers	Current CT Laboratories Certifications
<u>Code</u>	Description	Illinois NELAP ID# 200046
A	Analyte averaged calibration criteria within acceptable limits.	
В	Analyte detected in associated Method Blank.	Kansas NELAP ID# E-10368
C	Toxicity present in BOD sample.	
D	Diluted Out.	Kentucky ID# 0023
E	Safe, No Total Coliform detected.	
F	Unsafe, Total Coliform detected, no E. Coli detected.	Pennsylvania NELAP ID# 68-04201
G	Unsafe, Total Coliform detected and E. Coli detected.	Now Jaroov NELAD ID# W/001
Н	Holding time exceeded.	New Jersey NELAP ID# WI001
J	Estimated value.	North Dakota ID# R-171
L	Significant peaks were detected outside the chromatographic window.	
М	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.	Wisconsin Chemistry ID# 157066030
N	Insufficient BOD oxygen depletion.	· · · · · · · · · · · · · · · · · · ·
0	Complete BOD oxygen depletion.	Wisconsin Bacteriology ID# 105-289
Ρ	Concentration of analyte differs more than 40% between primary and confirmation analysis.	
Q	Laboratory Control Sample outside acceptance limits.	
R	See Narrative at end of report.	
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.	
т	Sample received with improper preservation or temperature.	
v	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.	
W	Sample amount received was below program minimum.	1
Х	Analyte exceeded calibration range.	
Y	Replicate/Duplicate precision outside acceptance limits.	
z	Calibration criteria exceeded.	



<u>COC #</u>	USI	Chain of Custody		Pa		
Company Name: Marele Jrc Project Contact: Tanya Felephone: 608-489-2545 Project Name: Robert + Fores + Project Number: Ri 33 Project Location (State): Sampled By (Print): Begulatory Program (circle): UST RCRA SDWA NPDES	Commw 1230 La Baraboo Phone: 5 Fax: 600 **Matrix S - Soil A - Air Slg - 5 GW - Groudwater SW - Suface WW - Waste Water M - Mise V DW Dichler Work	vealth Technology, Inc. Folder #: 75001 Company: MARELL INC. Project: ROBERT & TER Logged By: LAW PM.	ESA PMI	Mail Report To: Company: Mareli Inc Address: El8763 Hury 33 City/State/Zip: Hill sboro, W 546 Invoice To: Company: SAMG Address: City/State/Zip: P.O. No		
Solid Waste Other	DW - Drinking Water	, <b>19</b>		Contract No.:		
Turnaround Time Normal RUSH * Date Needed: * Notify lab prior to sending in RUSH Sucharges: 24 hr 200% 2-3 days 100% 4 Surcharges subject to change without notice. Landfill License Number	# 0 - 9 days 50%	*Matrix: 3RO 3RO/PVOC 2VOC	Lead Cadmium VOC 8021 LUST VOC 8021 Nou LUST PAH Solids	Total No. of Containets Total No. of Containets	For lab use only Folder #:	
Collection Field Field Grab/	Sample I.D. Fill'd	Fill ir	Spaces with bottles pe	r test	CTI Lab ID #	
5128 9:13 x - 15"	J Taule Medle					
	Der isk ministr					
					•	
			. , , ,			
Relinquished By (Signature) Date/Time Relinquished By (Signature) Date/Time A (Conferment Date/Time Date/Time	Received By (Signature)	write Lerbeck	Sample Shipped Via:U CourierU.S. Mai _X. HandOther Sample Receipt Temp. ??	JPSFed.Exp. * ilDunham's A=Non Checked/By G=NaC	Peservation Code te B=HCL C=H2SO4 O3 E=Encore F=Methano DH O=Other	

Form 4400-225 (07-03) Page 1 of 2

#### Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: <u>Hazardous substance discharges must be reported immediately</u> according to the "Spills Law", s. 292,11 Wis. Stats., Section NR 706.05(1)(b), Wis. Adm. Code, requires that hazardous substance discharges are to be reported by one of three methods: telephoning the Department (toll free Spill Hotline number above), telefaxing a report to the Department or visiting a Department office in person. If you choose to notify the Department by telefax, you should use this form to be sure that all necessary information is included. However use of this form is not mandatory. Under s. 292,99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.). Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. <u>TYPE or PRINT LEGIBLY</u>. FAX it to the appropriate DNR region (see next page) <u>IMMEDIATELY</u> upon discovery of a potential release from (check one);

	lerground Petroleum Storage Tank System veground Petroleum Storage Tank System Cleaner Facility (DERP eligibility based on:	rier of licensed facility)
TO DNR	ATTN: R&R Program Assistant	(Area Code) FAX Number

1. Discharge reported by: Date FAXed to DNR Name Firm nua Mailing Address (b)863 Site Information Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence / vacant property leresA Kizzo obert 1 Location: Include street address, not PO Box. If no street address, describe as precisely as possible. i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60 3832 LW4 154 Municipality (City, Village, Township) Specify municipality in which the site is located, not mailing address/citv //o W 1 County: Legal Description: 510 1/4, NE 1/4, Section 36, Tn 1/ N, Range  $\mathcal{A}$  ( $\mathcal{D}$  W (circle one) chlan PARt Responsible Party (RP) and/or RP Representative 3. Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one. list all Attach additional pages as necessary 151220 Kobert + TeresA Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under  $\mathbf{X}$ s. 292.11(9)(e), Wis, Stats. For more information see http://dnr.wi.gov/org/aw/rr/liability/muni_1.html Phone Number Contact Person Name (if different) 847-856-867 ZIP Code State Mailing Address City 60091 Wilmette T/ 306 Wilnette

State of Wisconsin Department of Natural Resources

4. Hazardous Substance Impact Information								
Identify hazardous substance discharged (check an that apply).								
METALS	INDUSTRIAL	CHEMICALS	Diesel/Fuel Oil					
Arsenic			Engine Oil/Waste Oil					
Chromium		*	Mineral/Transmission/Hydraulic Oil					
Lead			Gasoline (Pb/Non-Pb/Unknown)					
			Jet Fuel/Kerosene					
IMetals (specity):	[]0003		МТВЕ					
	<b>Fertilizers</b>		UVOC's					
SOLVENTS	Pesticide/Her	bicide/Insecticide(s)	□PAH's/SVOC					
			Petroleum-Unknown Type					
		dous Waste						
			Unknown					
			Other (specify):					
Impacts to the environment (enter "I	K" for known/con	nfirmed or "P" for potential for	all that apply)					
Ale Contaction		Contamination in Right of V	Way Sanitary Sewer Contamination					
		Direct Contact	Soil Contamination					
Concentar/Apphalt		Expanding Plume	Storm Sewer Contamination					
Contained/Recovered		Fire Explosion Threat	Surface Water Contamination					
Contamination Within 1 Me	eter of Bedrock	Free Product	K Within 100 ft of Private Well					
Contaminated Private Well		Groundwater Contaminatio	Within 1000 ft of Public Well					
Contaminated Public Well		Off-Site Contamination						
Contamination in Fractured	d Bedrock	Other						
i								
Contamination was discovered as a	result of:		Improvidet .					
X Tank closure assessment S Date <u>そっ</u> スそーロタ Date	iite assessment e	Other – Describe; Date	Unitigg and .					
Lab results:								
Lab results will be faxed upo	on receipt							
Additional Comments: Include a brid	ef description of	immediate actions taken to h	alt the release and contain or cleanup					
hazardous substances that have be	en discharged.	he willed show	bran Contraction					
Tank Wass Removed !	rolewas	bachy may	A Name Contract 201					
MEAD BARADOO TO P	rocorde La	a clean up.						
PIST & UMICEDUO TO P		/ /-						
FAX numbers to report non-emerge	ency releases in	DNR's five regions are as fo	ollows:					
Northeast Region (920-662-5197); A	Attention - RR P	rogram Assistant:						
Brown, Calumet, Door, Fond d	u Lac (except C	ity of Waupun - see South Co	entral Region), Green Lake, Kewaunee,					
Mannowoc, Mannette, Marque	tte, menominee,	Oconto, Outagamie, Snawano	o, vvaupaca, vvausnara, vvinnebago counties					
Northern Region (715-365-8932); A	ttention - RR Pr	ogram Assistant:						
Ashland, Barron, Bayfield, Bur	nett, Douglas, Fo	prest, Florence, Iron, Langlade,	Lincoln, Oneida, Polk, Price, Rusk					
Sawyer, Taylor, Vilas, Washbu	rn counties							
South Control Destan (000 000 000	0). Am							
Columbia Dana Dadas Fand	o); Attention - R	KK Program Assistant:						
Sauk counties	du Lac (City of	waupun only), Grant, Green,	lowa, Jefferson, Lafayette, Richland, Rock,					
Southeast Region (414-263-8483); /	Attention - RR P	rogram Assistant:						
kenosna, Milwaukee, Ozáukee	e, Racine, Shebo	ygan, Walworth, Washington, V	Waukesha counties					
West Central Region (715-839-6076): Attention – RR Program Assistant								
Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau LaCrosse, Marathon, Monroe, Ponin								
Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties								



delivering more than clata from your environmental analyses

MARELL INC. Project Name; ROBERT & TERESA Project #: RI330

Contract #: 1482 Folder #: 75001 Page 2 of 2

#### Notes regarding entire Chain of Custody:

Notes:

* Indicates Value in between LOD and LOQ.

A Indicates the laboratory is NELAP accredited for this apalyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. Although certain analyses may indicate NELAP accreditation, the parameters may not necessarily have been analyzed and/or reported following NELAP conventions or requirements.

Submitted by

	QC Qualifiers	Current CT Laboratories Certifications
Code	Description	
A	Analyte averaged calibration criteria within acceptable limits.	
В	Analyte detected in associated Method Blank.	Kansas NELAP ID# E-10368
C ·	Toxicity present in BOD sample.	
D	Diluted Out.	Kentucky ID# 0023
E	Safe, No Total Coliform detected.	
F	Unsafe, Total Coliform detected, no E. Coli detected.	Pennsylvania NELAP JD# 68-04201
G	Unsafe, Total Coliform detected and E. Coli detected.	New James NELAD (D4)4004
Н	Holding time exceeded.	New Jersey NELAP ID# WIDU1
ſ	Estimated value.	North Dakota ID# R-171
L	Significant peaks were detected outside the chromatographic window.	
М	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.	Wisconsin Chemistry ID# 157066030
N	Insufficient BOD oxygen depletion.	
0	Complete BOD oxygen depletion.	Wisconsin Bacteriology ID# 105-289
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.	
Q	Laboratory Control Sample outside acceptance limits.	
R	See Narrative at end of report.	
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.	
T	Sample received with improper preservation or temperature.	
٧	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.	
W	Sample amount received was below program minimum.	1

- Х Analyte exceeded calibration range.
- Y Replicate/Duplicate precision outside acceptance limits.
- Calibration criteria exceeded. Ζ





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### ANALYTICAL REPORT

MARELL INC. Project Name: ROBERT & TERESA Page 1 of 2 TANYA HERBECK Contract #: 1482 Arrival Temperature: See COC E18763 ST HWY 33 Project #: RI330 Report Date: 9/4/2009 HILLSBORO, WI 54634 Date Received: 8/28/2009 Folder #: 75001 Purchase Order #: Reprint Date: 9/4/2009

CT LAB#: 717429	3 Sample Description: 12" UNDER TANK MIDDLE						Sampled: 8	Sampled: 8/28/2009 0913		
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	88.7	ŵ	N/A	N/A	1			9/2/2009 16:0	0 EJC	EPA 8000C
Organic Results										
Gasoline Range Organics	1900	mg/kg	31	100	20	L	8/31/2009 08:00	8/31/2009 20:2	5 8MS	WDNR GRO

<u>`OC #</u>	UST	Chain of Custody			Page of
Company Name: Marile Jr C Project Contact: Tanya Celephone: (208 - 189 - 254 ) Project Name: Robert + Teres 4 Project Number: R: 33 0 Project Location (State): Sampled By (Print): Regulatory Program (circle): UST RCRA SDWA NPDES Solid Waste Other	Commw 1230 La Baraboo Phone: Fax: 60 **Matrix S - Soil A - Air Sig - GW - Groudwater SW - Suface WW - Waste Water M - Mise W DW - Drinking Water	Pealth Technology, Inc. Folder 4: 75001 Company: MARELL NC. Project: ROBERT & TER Logged By: LAW PM:	аналан кайрарукатарар ка сеже бара какена чарана UESA РМ има какела жарану барану ба алан ка	Mail Report To: Company: Tr Address: E (* City/State/Zip: Invoice To: Company: Address: City/State/Zip: P.O. No.: Contract No.:	hareli Inc 1763 Hury 33 tillsborg, W 546: 5Am ⁶
Turnaround Time Normal RUSH * Date Needed: * Notify lab prior to sending in RUSH Sucharges: 24 hr 200% 2-3 days 100% 4 Surcharges subject to change without notice. Landfill License Number	- 9 days 50%	•Matrix: 340 340 340 340 340 340 340 340 340 340	cead Cadmium VOC 8021 LUST VOC 8021 Non LUST AH ASolids	Total No. of Containers	P. Source only For lab use only Folder #: Volder #:
Collection Field Field Grab/ S Date Time Screen ID Comp	ample LD. Filt'd Y/N	Fill in	Spaces with bottles per	test	CTI Lab ID #
	Jer Touk Middle				
Relinquished By (Signature) Date (Time Relinquished By (Signature) Relinquished By (Signature) Delet Time Delet Time Delet Time Delet Time	Received By (Signature) 11:20 Am. Marge Received By (Signature)	erite Herbeck	Sample Shipped Via:UE CourierU.S. Mail X. HandOther Sample Receipt Temp. 	PSFed.Exp. Dunham's Checked/By	* Peservation Code A=None D=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH (J=Other



### State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor Matthew Frank, Secretary Lloyd L. Eagan, Regional Director South Central Region Headquarters 3911 Fish Hatchery Road Fitchburg, Wisconsin 53711-5397 Telephone 608-275-3266 FAX 608-275-3338 TDD 608-275-3231

October 27, 2009

BRRTS #03-53-554361

Robert and Teresa Rizzo 1306 Wilmette Avenue Wilmette IL 60091

Subject: Reported Contamination at: Rizzo Property, 33832 State Hwy 154 Willow

Dear Robert and Teresa Rizzo:

On September 14, 2009 Tanya Herbeck representing Marell Inc. notified the Wisconsin Department of Natural Resources ("WDNR") that contamination via gasoline had been detected at the site described above. Based on the information available to the WDNR regarding this site, we believe you are responsible for investigating and restoring the environment at the abovedescribed site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes your legal responsibilities, explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the Departments of Natural Resources and Commerce.

### Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Stats, states:

• RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

### Steps to Take:

The longer contamination is left in the environment the farther it can spread and the more it may



cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the <u>first</u> three steps to take:

- 1. Within the next 30 days, you must submit <u>written</u> verification (such as a letter from the consultant) that you have hired an environmental consultant.
- 2. Within the next 60 days, your consultant must submit a workplan and schedule for the investigation. The consultant must follow the DNR administrative codes and technical guidance documents.

Once an investigation has established the type and severity of contamination involved at your site, your consultant will be able to determine whether the Department of Commerce or the Department of Natural Resources has authority over the case. The decision will be reviewed by agency staff, and you will be notified by mail if the case is being transferred to Commerce. In general, cases involving petroleum products that have leaked from either above ground or underground storage systems will be reviewed by the Commerce, unless high risk criteria are involved.

3. Please inform the appropriate agency of what is being done at your site. If the site meets criteria for a "simple site", progress reports must be submitted semi-annually, beginning 6 months from the initial notification date. If the site meets criteria for a "complex site", a complete site investigation report and a draft remedial options report must be submitted within 30 days of completion. In addition, you or your consultant must provide a <u>brief</u> report at least every 90 days. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. Should conditions at your site warrant we may require more frequent contacts.

If you want a formal response from the agency on a specific submittal, please be aware that a review fee is required in accordance with s. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation to maintain your compliance with the spills law and chs. NR 700 through NR 749. **Do not delay the investigation of your site by waiting for an agency response.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative codes and should be able to answer your questions on meeting cleanup requirements."

Unless you are notified that your case has been transferred to Commerce, all correspondence regarding this site should be sent to:

Linda Hanefeld Remediation and Redevelopment Program Wisconsin Department of Natural Resources 3911 Fish Hatchery Rd. Fitchburg WI 53711 Unless otherwise requested, please send only one copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

### Information for Site Owners:

Information to help you select a consultant, and materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method are enclosed. For information on obtaining limited liability under Section 292.15, Wisconsin Stats., please see our website at http://www.dnr.state.wi.us/org/aw/rr/liability.

#### Financial Assistance:

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. Please refer to the enclosed information sheet entitled *Site Remediation Using PECFA* for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Hendy Stichemuller Linda Hanefeld

Telephone: (608) 275-33 Enclosures

Cc:->File

Tanya Herbeck Marell Inc. E19863 Hwy 33 Hillsboro WI 54634

### DEPARTMENT OF NATURAL RESOURCES BRRTS TRACKING FORM

UID: 03.53-554361 FID:	*	PMN:
Programs: UST ERP VP	GP	
County Richland_ Site Name_ <u>Rizzo Property</u> Address_ <u>33832_St Hwy_154</u> Municipality_ <u>Hillow</u> Zip Code Legal Desc:1/41/4 s tN rE/W Lat:o ' 'Longo , "	Notification RP letter Da Closure Da Reported R Mar Tonya Phone : 60	Date <u>9.14.09</u> ate <u>10.27.09</u> te by: ell Inc. 2 Herbeck. 28489-2546
Priority       Factors        HIGH      Free Product>.01        MED      ES w/100' of private well or        LOW      ES w/1000' of Municipal well        UNK      Priv/Public well>PAL        Bedrock cont.       >ES	H 1 Co-Co ASTs	Funding RP EF Other ontamination Spill
	Imp	acts
Name Bobert + Teresa Rizzo		Cont. Private Well

Company AddressXi/mette ave Xi/mette 12 60091	Cont. Private Well Cont. Public Well Groundwater Contamin. Soil Contamination Surface Water Impacts Direct Contact Free Product Expanding plume
Phone: 844 256 86 + 1 cc:	Substances GasolinePb Diesel Fuel Oil Waste Oil VOCs Unknown Ag Chem Ag Chem Metals RCRA HW ChlorSolvents

ACTION CODES	Action Code	Date	Comment	Action Code	Date	Comment
1- Notification	1	9.14.09				
2- RP Letter Sent	2	102719				
3- NON						
4- Enforcement Conference						
8- Significant Violator						
33- Tank Closure/ Site Assessment	*				_	
35- Site Investigation WP (w/o fee)						x
36- SI WP Approved						
81- SI WP NOT Approved						
37- Site Investigation Report						
38- SIR Approved			ž			
140- SIR NOT Approved						
39- Rem. Act. Opt. Rep. Received (w/o fee)	-					
40- RAOR Approved						
82- RAOR NOT Approved						
151- Construction Doc. Report Received (w/o fee)						
153- Construction Doc. Report Approved						
154- Construction Doc. Report NOT Approved						
43- Status Report						
61- Landspreading Request Received (w/fee)						
62- Landspreading Request Approved			A			
65- Landspreading Request NOT Approved						
92- O&M Report Received (w/o fee)						
93- O&M Report Approved						
94- O&M Report NOT Approved						
76- Transfer to DCOM					,	
89- DCOM Transfer Back to DNR					8	
79- Closure Request Received (w/fee)						
179- Closure Request Receive (w/o fee)						
183- No Further Action Request (w/fee)						
80- Closure NOT Approve						
84- Conditional Closure						
48- PAL Exemption Required for Closure						
50- Groundwater Use Restriction Required						
51- Deed Affidavit Required for Closure						
52- Deed Restriction Required for Closure						
86- Site Specific Conditions Required for Closure						
83- Close-out under NR708.09						
11- Activity Closed						

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