#### Saari, Christopher A - DNR

From:

Saari, Christopher A - DNR

Sent:

Thursday, September 21, 2017 9:19 AM

To:

'Erica Klingfus'; Soyer, Jenna A - DNR

Cc:

Jeff Anderson; tdenterprises\_2000@msn.com

Subject:

RE: TSSA Part B Form - South Shore C-Store

Thanks Erica. I have requested that someone in our Rhinelander office send me the old closed LUST file that was located at this property. Once I get the file I will compare the recent tank closure results with the residual contamination levels that might have remained when the old case closed. If it looks like this is a "new" release, I will be contacting the property owners about their responsibilities to investigate and clean up the release.

#### We are committed to service excellence.

Visit our survey at <a href="http://dnr.wi.gov/customersurvey">http://dnr.wi.gov/customersurvey</a> to evaluate how I did.

Chris Saari

Phone: (715) 685-2920 Christopher.Saari@Wi.gov

From: Erica Klingfus [mailto:eklingfus@msa-ps.com]

Sent: Wednesday, September 20, 2017 4:18 PM

To: Saari, Christopher A - DNR < Christopher. Saari@wisconsin.gov>; Soyer, Jenna A - DNR < Jenna. Soyer@wisconsin.gov>

Cc: Jeff Anderson < jkanderson@msa-ps.com>; tdenterprises\_2000@msn.com

Subject: TSSA Part B Form - South Shore C-Store

Chris and Jenna,

Please see attached the TSSA Part B form filled out for the South Shore C-Store tank removal in Herbster, WI. Also attached are figures and laboratory analytical results from soil samples collected at the site. A release notification form was submitted earlier today as well using the submittal button on the form.

Let me know if you have any questions or require any additional information.

Thank you,

Erica Klingfus

MSA

Erica Klingfus | Environmental Scientist

MSA Professional Services, Inc.

+1 (218) 499-3171

A S

#### Saari, Christopher A - DNR

From:

Erica Klingfus <eklingfus@msa-ps.com>

Sent:

Thursday, September 21, 2017 7:29 AM

To:

Saari, Christopher A - DNR; Soyer, Jenna A - DNR

Cc:

Jeff Anderson; tdenterprises\_2000@msn.com

Subject:

RE: TSSA Part B Form - South Shore C-Store

Attachments:

18764001 Photo Log.pdf

had forgotten to attach the required photos – here are the photos of groundwater within the tank basin.

From: Erica Klingfus

Sent: Wednesday, September 20, 2017 4:18 PM

To: Saari, Christopher A - DNR; 'jenna.soyer@wisconsin.gov'

Cc: Jeff Anderson; 'tdenterprises\_2000@msn.com' Subject: TSSA Part B Form - South Shore C-Store

Chris and Jenna,

Please see attached the TSSA Part B form filled out for the South Shore C-Store tank removal in Herbster, WI. Also attached are figures and laboratory analytical results from soil samples collected at the site. A release notification form was submitted earlier today as well using the submittal button on the form.

Let me know if you have any questions or require any additional information.

Thank you,

Erica Klingfus

MSA

Erica Klingfus | Environmental Scientist

MSA Professional Services, Inc.

+1 (218) 499-3171

in 2 4

Part B - To be complete	d by environmental professio	nal	
Submit original Part B to	o the WDNR along with a <u>copy</u>	of Part A	
I. TANK-SYSTEM SITE ASSE	SSMENT (TSSA)		
	Share C. Store		
Address: 14770 St	tate Highway 13, H	exbster, W1 54844	
Note: Site name and addre	ess must match with Part A Section	1.	
OBVIOUS RELEASES FRO If a TSSA is required, the RELEASES FROM UNDER  1. Site Information	s required, see SPS 310 and section II M UNDERGROUND AND ABOVEGRO en follow the procedures detailed in AS GROUND AND ABOVEGROUND STO	OUND STORAGE TANK SYSTEMS. SESSMENT AND REPORTING OF S RAGE TANK SYSTEMS.	
a. Has there been a previo	ously documented release at this site? -A#	XY LN 03-04-003	53
	at facility prior to completion of curren		ASTs o
Windle Colonia Colonia American State Colonia	viously closed systems or system componer	NO 1767Y	
c. Excavation/trench dime	nsions (in feet). (Photos must be provi	ded.)	
EXCAVATION/TRENCH#	LENGTH	WIDTH	DEPTH
TANK BASIN	MAKDO 27'	18'	<b>త్ర</b> '
Pipe trench	18'	5'	4,
	,		
Do any of the following co a. Stained soils:  d. Free product in the ex 3. Geology/Hydrogeology a. Depth to groundwater (Note 2: Use these syn 4. Receptors a. Water supply well(s) v b. Surface water(s) withi 5. Sampling a. Follow the procedure UNDERGROUND A b. Complete Tables 1 ar c. Attach a detailed map	Inspection (Photos must be provided inditions exist in or about the excavation of N b. Petroleum odor: \( \subseteq \) \( \sub	n(s)?  Y N c. Water In excavation/trepen or free product on water:  If yes, specify North Product of the product on water:  ORTING OF SUSPECTED AND OBVEX SYSTEMS.  ustody and laboratory analytical reported.	Y X N  fill (with spread) sand Sand, Gr = Gravel)  spectral serviced by private  cheb' NW  TOUS RELEASES FROM
J. NOTE RELEVANT OBSE	RVATIONS, SPECIFIC PROBLEMS C	R CONCERNS BELOW	
Tanks, sumps,	a spill brekets a	ppeared to be in	good condition
upon removal.	I double compartmen	at tank held gasal	ine (dicad, 1
single compan	Ament tank held go	Holine. Unable to	die to native
dayonall	siduralla due to	sandy rand base / fill	. (would have
caused slower	(collapse n/addil d	ina).	
U		00, 9	

SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS TABLE 1 Sample Collection Method Sample ID Sample Location & Depth Below Field Screening Soil/Geologic Description Tank/Piping (feet) Result Shelby Direct Split (ppm) Grab Push Tube Spoon 4.0 5-1 S-N Sick W Sidewoods sidence, ~4' X S side w Sidewall 29.3 5.2 X . 5-3 W side S sedemal 1406 11 X " 5-4 Middle S sideral 10.9 11 X. 11 side S sidence 5-5 58.4 11 X 4 side F siderall 0.2 5-4 S X 11 side F sidenal " 0.3 5-7 x side N sideme 11 58 11 0.4 X S Middle N siderall 11 5-9 11 3.1 x 5-10 W side N sidenall 11 11 1.8 X I' above WT (6') 1727 B-1 side above WT X 12 6 1059 Siv side above not 13-2 χ 11 SE side above not 13.3 208.4 10 11 B.4 χ E side above No 0.3

#### TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID#	BENZENE	TOLUENE	ETHYLBENZENE	МТВЕ	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE	CHLORINATED SOLVENTS
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
5-1	4 29.4	4294	429.4	458.8	4117.6	488.2	4294	NA
5-2	<34.3	4343	434.3	71.6	1110	91.0	< 3.49	NA
5.3	28.7	594	425	101	7,730	5,710	304	NA
5-4	429.1	42911	429.1	458.1	67.6	<87.2	4291	NA
5-5	<30	4300	430	40.3	<120.2	490.1	4300	NA
5-6	433.5	4335	< 33.5	467.1	<134.2	4100.6	4 335	NA
5-7	430.7	4307	430.7	466.4	4122.8	492.1	4307	NA
5-B	Z30.2	4302	430.2	460.3	4120.6	490.5	< 302	NA
5-9	424.3	4263	426.3	452.5	<105.0	478.8	4263	NA
5-10	426.1	2261	426.1	452.3	4 104.10	478.4	4261	NA
B-1	153	800	1850	4124	94,800	61,700	3,910	NA
B-2	462.8	4628	c62.8	4126	2.164	872	<628	NA
B-3	438.3	4383	402	106	10,440	1.515	4383	NA
B-4	428.9	4288	428.8	63.4	4115.4	486.5	<288	NA

#### K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

	As a tank-system site assessor certified under Wis. Admin. Code section SPS 305.83, it is my opinion that there is no indication of a release
of	a regulated substance to the environment.

Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section SPS 310.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter SPS 310 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of \$10 and a maximum of \$5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as senarate effects.

as separate offenses.		
Erica Klinafus	and the	467913
Tank-System Site Assessor Name (print)	Tank-System Site Assessor Signature	Certification Number #
(202) 1100 2:01	9/19/2019	NASA D 0 C

(218) 499-3171 9/18/2017 MSA Professional Services, Inc.
Tank-System Site Assessor Telephone Number Date Signed Company Name

ERS-8951 (R.07/13)

Distribution: DATCP Inspector Contractor Owner

TABLE 1	SOIL FIELD SCREENING &	GRO/DI	RO LABO	DRATO	RY ANA	LYTICAL RESULTS-I	OR PETROLEUM P	RODUCTS
Sample ID	Sample Location &	Sample Collection Method			nod	Depth Below	Field Screening	
#	Soil/Geologic Description	Grab	Shelby Tube	Direct Push	Split Spoon	Tank/Piping (feet)	Result (ppm)	
B-5	S NW side above INT	У				1' above WIII')	1.4	
3-6	S NE sede above NT	[X]				i, ii	0.6	
P.B.1	S Pipe trench mantanx	<u>,                                    </u>				1' below pipe	0.4	
D-1	S W dispenser	x				1' below sump	Dursig 1.1	
D-2		X				h 11	by 24.4	
0-3	S Middle dispenser	X				u H	0.4	
		_للل			1			
	The second secon		_Ц_					
2	I was to the same of the same		_Ц_	Ц	Ц			
			_Ц_	Щ	ᆜᆜ			
			_Ц_	_Ц_				
0 23		_Ц_	_ <u>U</u> _	ᆜ	Ц.			
							N.	

#### TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

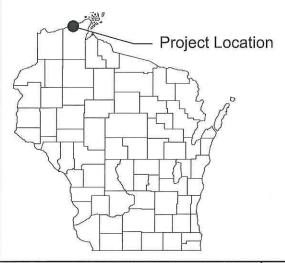
Sample ID#	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE	CHLORINATED SOLVENTS
770-12 POST	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
B-5	426.2	4262	426.2	66	4 105.0	478.7	<262	NA
B-10	<26.1	4261	426.1	52.4	< 104.2	478.2	L261	NA
Pul	426.3	4263	L26.3	60.5	4105.4	<79.0	<263	NA
D-1	430.2	4302	430.2	67.8	<121.0	190.7	4 302	NA
0-2	430.8	4308	430.8	461-7	<122.4	492.5	495	NA
D-3	430.7	4307	430.7	76	<122.0	492.2	4307	NA
	8		1.9					
			35					
				K		8		
			Security 150 Constitution					

#### K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

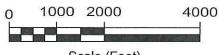
	As a tank-system site assessor	certified under	Wis. Admin.	. Code section	SPS 305.83,	, it is my opinion	that there is	no indication	of a release
of	a regulated substance to the env	ironment.							

⊠ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section SPS 310.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter SPS 310 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of \$10 and a maximum of \$5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses.

as separate offenses.	ر ا	
Erica Klingful Tank-System Site Assessor Name (print)	Tank-System Site Assessor Signature	Certification Number #
(218) 499-3171	9/18/2012	MSA Professional Souvilles Inc
Tank-System Site Assessor Telephone Number	Date Signed	Company Name
Tank-System Site Assessor Telephone Number	Date Signed	Company Name







Scale (Feet)

Herbster, WI Quadrangle Wisconsin - Bayfield County 7.5 Minute Series (Topographic)

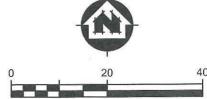
Contour Interval 10 Feet 2015



ARCHITECTURE | ENGINEERING | ENVIRONMENTAL FUNDING | PLANNING | SURVEYING 332 W Superior Street #600 Duluth, MN 55802 (218) 722-3915 (800) 777-7380 WWW.msa-ps.com 0 MM returbullance, Inc.

Figure 1 Site Location Map SOUTH SHORE C-STORE 14770 STATE HIGHWAY 13 HERBSTER, WISCONSIN лено. 18764001 sheet





LEGEND

B-1 • TANK SAMPLE LOCATION

D-1 O DISPENSER LOCATION

S-1 O SIDEWALL SAMPLE LOCATION

Figure 2 Site Plan View

SOUTH SHORE C-STORE 14770 STATE HIGHWAY 13 HERBSTER, WISCONSIN



ARCHITECTURE | ENGINEERING | ENVIRONMENTAL FUNDING | PLANNING | SURVEYING 332 W Superior Street #600 Duluth, MN 55802 (218) 722-3915 (800) 777-7380 www.msa-ps.com

 DRAWN BY
 JAS
 DATE
 9/7/2017

 CHECKED BY
 EAK
 SCALE
 1" = 20"

FILE NO. 18764001



# ANALYTICAL REPORT

September 14, 2017



#### **MSA Professional Services**

Sample Delivery Group:

L933217

Samples Received:

08/31/2017

Project Number:

18764001

Description:

South Shore C-Store

Report To:

Erica Klingfus

332 W. Superior Street, Suite 600

Duluth, MN 55802

Entire Report Reviewed By: Jahn V Howkins

John Hawkins

Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	7
S-1 L933217-01	7
S-2 L933217-02	8
S-3 L933217-03	9
S-4 L933217-04	10
S-5 L933217-05	11
S-6 L933217-06	12
S-7 L933217-07	13
S-8 L933217-08	14
S-9 L933217-09	15
S-10 L933217-10	16
B-1 L933217-11	17
B-2 L933217-12	18
B-3 L933217-13	19
B-4 L933217-14	20
B-5 L933217-15	21
B-6 L933217-16	22
P-1 L933217-17	23
D-1 L933217-18	24
D-2 L933217-19	25
D-3 L933217-20	26
Qc: Quality Control Summary	27
Total Solids by Method 2540 G-2011	27
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	29
GI: Glossary of Terms	31
Al: Accreditations & Locations	32
Sc: Sample Chain of Custody	33





















### SAMPLE SUMMARY

ONE LAB, NATIONWIDE.

	٠	ú	٠.	A
	4			ĸ,
	4			e
	- 7	•	•	1

Qc

GI

S-1 L933217-01 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:00	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:00	09/03/17 16:10	ACG
S-2 L933217-02 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:04	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:04	09/03/17 16:34	ACG
S-3 L933217-03 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:06	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:06	09/03/17 16:57	ACG
			Collected by	Collected date/time	Received date/time
S-4 L933217-04 Solid			Erica Klingfus	08/30/17 09:10	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:10	09/03/17 17:21	ACG
S-5 L933217-05 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:14	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	200
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:14	09/03/17 17:44	ACG
S-6 L933217-06 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:16	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:16	09/03/17 18:08	ACG
S-7 L933217-07 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:20	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW

Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

WG1015989

08/30/17 09:20

50.5

09/03/17 18:32

ACG

20410
23500
E500

GI

Sc

S-8 L933217-08 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:22	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:22	09/03/17 18:55	ACG
S-9 L933217-09 Solid			Collected by Erica Klingfus	Collected date/time 08/30/17 09:24	Received date/time 08/31/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
Method	botch	Dilution	date/time	date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:24	09/03/17 19:19	ACG
			Collected by	Collected date/time	Received date/time
S-10 L933217-10 Solid			Erica Klingfus	08/30/17 09:26	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017279	1	09/06/17 16:01	09/06/17 16:20	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:26	09/03/17 19:42	ACG
			Collected by	Collected date/time	Received date/time
B-1 L933217-11 Solid			Erica Klingfus	08/30/17 09:02	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B	WG1015989	100	08/30/17 09:02	09/03/17 20:06	ACG
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	1000	08/30/17 09:02	09/07/17 14:55	LRL
			Collected by	Collected date/time	Received date/time
B-2 L933217-12 Solid			Erica Klingfus	08/30/17 09:08	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	100	08/30/17 09:08	09/07/17 15:18	LRL
			Collected by	Collected date/time	Received date/time
B-3 L933217-13 Solid			Erica Klingfus	08/30/17 09:12	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B	WG1015989	62	08/30/17 09:12	09/03/17 20:53	ACG
Volatile Organic Compounds (GC) by Method WI(95) GRO	WG1015989	310	08/30/17 09:12	09/07/17 15:42	LRL
			Collected by	Collected date/time	Received date/time
B-4 L933217-14 Solid			Erica Klingfus	08/30/17 09:18	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:18	09/03/17 21:16	ACG

#### SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

78

Sr

'Qc

GI

Sc

			Collected by	Collected date/time	Received date/time
B-5 L933217-15 Solid			Erica Klingfus	08/30/17 09:28	08/31/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:28	09/03/17 21:40	ACG
			Collected by	Collected date/time	Received date/time
B-6 L933217-16 Solid			Erica Klingfus	08/30/17 09:30	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 09:30	09/03/17 22:04	ACG
			Collected by	Collected date/time	Received date/time
P-1 L933217-17 Solid			Erica Klingfus	08/30/17 10:00	08/31/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 10:00	09/03/17 22:27	ACG
			Collected by	Collected date/time	Received date/time
D-1 L933217-18 Solid			Erica Klingfus	08/30/17 10:36	08/31/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 10:36	09/03/17 22:51	ACG
			Collected by	Collected date/time	Received date/time
D-2 L933217-19 Solid			Erica Klingfus	08/30/17 10:38	08/31/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO	WG1015989	50	08/30/17 10:38	09/03/17 23:14	ACG
			Collected by	Collected date/time	Received date/time
D-3 L933217-20 Solid			Erica Klingfus	08/30/17 10:40	08/31/17 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG1017280	1	09/07/17 09:31	09/07/17 09:45	MLW
Total Julius by Method 2540 G-2011	WG1017200	Γ0	0.0120/17 10:40	00/02/17 22:28	ACG



Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

WG1015989

50

08/30/17 10:40

09/03/17 23:38

ACG



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

John V Howking

John Hawkins

Technical Service Representative



















### SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:00

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	85.1		1	09/06/2017 16:20	WG1017279

		Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte		mg/kg		mg/kg		date / time		
Benzene		ND		0.0294	50	09/03/2017 16:10	WG1015989	
Toluene		ND		0.294	50	09/03/2017 16:10	WG1015989	
Ethylbenzene		ND		0.0294	50	09/03/2017 16:10	WG1015989	
m&p-Xylene		ND		0.0588	50	09/03/2017 16:10	WG1015989	
o-Xylene		ND		0.0294	50	09/03/2017 16:10	WG1015989	
Methyl tert-butyl ether		ND		0.0588	50	09/03/2017 16:10	WG1015989	
Naphthalene		ND		0.294	50	09/03/2017 16:10	WG1015989	
1,3,5-Trimethylbenzene		ND		0.0588	50	09/03/2017 16:10	WG1015989	
1,2,4-Trimethylbenzene		ND		0.0588	50	09/03/2017 16:10	WG1015989	
TPH (GC/FID) Low Fraction		ND		5.88	50	09/03/2017 16:10	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	)	102		80.0-200		09/03/2017 16:10	WG1015989	















## SAMPLE RESULTS - 02

Collected date/time: 08/30/17 09:04

#### ONE LAB. NATIONWIDE.

#### Total Solids by Method 2540 G-2011

8	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	72.8		1	09/06/2017 16:20	WG1017279







	3Ss	
- 1		













Volatile Organic Compounds (GC) by Method 8021B/WI(95) GI	Volatile	Organic	Compounds	(GC) by	Method	8021B/WI(95)	GRO
---	----------	---------	-----------	---------	--------	--------------	-----

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0343	50	09/03/2017 16:34	WG1015989	
Toluene	ND		0.343	50	09/03/2017 16:34	WG1015989	
Ethylbenzene	ND		0.0343	50	09/03/2017 16:34	WG1015989	
m&p-Xylene	0.0910	В	0.0687	50	09/03/2017 16:34	WG1015989	
o-Xylene	ND		0.0343	50	09/03/2017 16:34	WG1015989	
Methyl tert-butyl ether	0.0716		0.0687	50	09/03/2017 16:34	WG1015989	
Naphthalene	ND		0.343	50	09/03/2017 16:34	WG1015989	
1,3,5-Trimethylbenzene	ND		0.0687	50	09/03/2017 16:34	WG1015989	
1,2,4-Trimethylbenzene	0.116		0.0687	50	09/03/2017 16:34	WG1015989	
TPH (GC/FID) Low Fraction	ND		6.87	50	09/03/2017 16:34	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 16:34	WG1015989	

SAMPLE RESULTS - 03

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:06

### Total Solids by Method 2540 G-2011

DE NAMES PRODUCTION OF THE PARTY OF						
	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		
Total Solids	93.1		1	09/06/2017 16:20	WG1017279	

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	L
Analyte	mg/kg		mg/kg		date / time		F
Benzene	0.0287	B	0.0268	50	09/03/2017 16:57	WG1015989	
Toluene	0.594		0.268	50	09/03/2017 16:57	WG1015989	MARKET IN
Ethylbenzene	0.425		0.0268	50	09/03/2017 16:57	WG1015989	
m&p-Xylene	3.77		0.0537	50	09/03/2017 16:57	WG1015989	100
o-Xylene	1.94		0.0268	50	09/03/2017 16:57	WG1015989	6
Methyl tert-butyl ether	0.101		0.0537	50	09/03/2017 16:57	WG1015989	1000
Naphthalene	0.304		0.268	50	09/03/2017 16:57	WG1015989	E
1,3,5-Trimethylbenzene	1.87		0.0537	50	09/03/2017 16:57	WG1015989	1, 10-0
1,2,4-Trimethylbenzene	5.86		0.0537	50	09/03/2017 16:57	WG1015989	L
TPH (GC/FID) Low Fraction	90.2		5.37	50	09/03/2017 16:57	WG1015989	8
(S) a,a,a-Trifluorotoluene(PID)	106		80.0-200		09/03/2017 16:57	WG1015989	
							-

















### SAMPLE RESULTS - 04

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:10

### Total Solids by Method 2540 G-2011

A SPECIAL PROPERTY OF THE PROP						
	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		
Total Solids	86.0		1	09/06/2017 16:20	WG1017279	







	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0291	50	09/03/2017 17:21	WG1015989	
Toluene	ND		0.291	50	09/03/2017 17:21	WG1015989	
Ethylbenzene	ND		0.0291	50	09/03/2017 17:21	WG1015989	
m&p-Xylene	ND		0.0581	50	09/03/2017 17:21	WG1015989	
o-Xylene	ND		0.0291	50	09/03/2017 17:21	WG1015989	
Methyl tert-butyl ether	ND		0.0581	50	09/03/2017 17:21	WG1015989	
Naphthalene	ND		0.291	50	09/03/2017 17:21	WG1015989	
1,3,5-Trimethylbenzene	ND		0.0581	50	09/03/2017 17:21	WG1015989	
1,2,4-Trimethylbenzene	0.0676		0.0581	50	09/03/2017 17:21	WG1015989	
TPH (GC/FID) Low Fraction	ND		5.81	50	09/03/2017 17:21	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 17:21	WG1015989	















SAMPLE RESULTS - 05

ONE LAB. NATIONWIDE.



Collected date/time: 08/30/17 09:14

Total Solids by	Method 2540	G-2011
-----------------	-------------	--------

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	83.3		1	09/06/2017 16:20	WG1017279

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0300	50	09/03/2017 17:44	WG1015989	
Toluene	ND		0.300	50	09/03/2017 17:44	WG1015989	
Ethylbenzene	ND		0.0300	50	09/03/2017 17:44	WG1015989	
m&p-Xylene	ND		0.0601	50	09/03/2017 17:44	WG1015989	
o-Xylene	ND		0.0300	50	09/03/2017 17:44	WG1015989	
Methyl tert-butyl ether	0.0603		0.0601	50	09/03/2017 17:44	WG1015989	
Naphthalene	ND		0.300	50	09/03/2017 17:44	WG1015989	
1,3,5-Trimethylbenzene	ND		0.0601	50	09/03/2017 17:44	WG1015989	
1,2,4-Trimethylbenzene	ND		0.0601	50	09/03/2017 17:44	WG1015989	
TPH (GC/FID) Low Fraction	ND		6.01	50	09/03/2017 17:44	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 17:44	WG1015989	















### SAMPLE RESULTS - 06

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:16

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		
Analyte	%			date / time		Ψ,	
Total Solids	74.6		1	09/06/2017 16:20	WG1017279		





	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0335	50	09/03/2017 18:08	WG1015989	
Toluene	ND		0.335	50	09/03/2017 18:08	WG1015989	
Ethylbenzene	ND		0.0335	50	09/03/2017 18:08	WG1015989	
m&p-Xylene	ND		0.0671	50	09/03/2017 18:08	WG1015989	
o-Xylene	ND		0.0335	50	09/03/2017 18:08	WG1015989	
Methyl tert-butyl ether	ND		0.0671	50	09/03/2017 18:08	WG1015989	
Naphthalene	ND		0.335	50	09/03/2017 18:08	WG1015989	
1,3,5-Trimethylbenzene	ND		0.0671	50	09/03/2017 18:08	WG1015989	
1,2,4-Trimethylbenzene	ND		0.0671	50	09/03/2017 18:08	WG1015989	
TPH (GC/FID) Low Fraction	ND		6.71	50	09/03/2017 18:08	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 18:08	WG1015989	















### SAMPLE RESULTS - 07

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:20

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	82.2		1	09/06/2017 16:20	WG1017279





Ss

Volatile Organic Compounds (GC) by Method	8021B/WI(95) GF	<b>₹</b> O
---	-----------------	------------

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time			
Benzene	ND		0.0307	50.5	09/03/2017 18:32	WG1015989		
Toluene	ND		0.307	50.5	09/03/2017 18:32	WG1015989		
Ethylbenzene	ND		0.0307	50.5	09/03/2017 18:32	WG1015989		
m&p-Xylene	ND		0.0614	50.5	09/03/2017 18:32	WG1015989	That, by	
o-Xylene	ND		0.0307	50.5	09/03/2017 18:32	WG1015989		
Methyl tert-butyl ether	ND		0.0614	50.5	09/03/2017 18:32	WG1015989		
Naphthalene	ND		0.307	50.5	09/03/2017 18:32	WG1015989		
1,3,5-Trimethylbenzene	ND		0.0614	50.5	09/03/2017 18:32	WG1015989		
1,2,4-Trimethylbenzene	ND		0.0614	50.5	09/03/2017 18:32	WG1015989		
TPH (GC/FID) Low Fraction	ND		6.14	50.5	09/03/2017 18:32	WG1015989		
(S) a.a.a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 18:32	WG1015989		















S-8 Collected date/time: 08/30/17 09:22

## SAMPLE RESULTS - 08

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		
Total Solids	82.9		1	09/06/2017 16:20	WG1017279	







_		-
-		
(	n	
	0	Cn













Volatile Organic Compounds	(GC) by Method	8021B/WI(95) GRO
----------------------------	----------------	------------------

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0302	50	09/03/2017 18:55	WG1015989	
Toluene	ND		0.302	50	09/03/2017 18:55	WG1015989	
Ethylbenzene	ND		0.0302	50	09/03/2017 18:55	WG1015989	
m&p-Xylene	ND		0.0603	50	09/03/2017 18:55	WG1015989	
o-Xylene	ND		0.0302	50	09/03/2017 18:55	WG1015989	
Methyl tert-butyl ether	ND		0.0603	50	09/03/2017 18:55	WG1015989	
Naphthalene	ND		0.302	50	09/03/2017 18:55	WG1015989	
1,3,5-Trimethylbenzene	ND		0.0603	50	09/03/2017 18:55	WG1015989	
1,2,4-Trimethylbenzene	ND		0.0603	50	09/03/2017 18:55	WG1015989	
TPH (GC/FID) Low Fraction	ND		6.03	50	09/03/2017 18:55	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 18:55	WG1015989	

SAMPLE RESULTS - 09

ONE LAB. NATIONWIDE.

4

Collected date/time: 08/30/17 09:24

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	95.2		1	09/06/2017 16:20	WG1017279





Volatile Organic Compounds	(GC) by Method	8021B/WI(95) GRO
----------------------------	----------------	------------------

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Benzene	ND		0.0263	50	09/03/2017 19:19	WG1015989
Toluene	ND		0.263	50	09/03/2017 19:19	WG1015989
Ethylbenzene	ND		0.0263	50	09/03/2017 19:19	WG1015989
m&p-Xylene	ND		0.0525	50	09/03/2017 19:19	WG1015989
o-Xylene	ND		0.0263	50	09/03/2017 19:19	WG1015989
Methyl tert-butyl ether	ND		0.0525	50	09/03/2017 19:19	WG1015989
Naphthalene	ND		0.263	50	09/03/2017 19:19	WG1015989
1,3,5-Trimethylbenzene	ND		0.0525	50	09/03/2017 19:19	WG1015989
1,2,4-Trimethylbenzene	ND		0.0525	50	09/03/2017 19:19	WG1015989
TPH (GC/FID) Low Fraction	ND		5.25	50	09/03/2017 19:19	WG1015989
(S) a.a.a-Trifluorotoluene(PID)	103		80.0-200		09/03/2017 19:19	WG1015989















## SAMPLE RESULTS - 10

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:26

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		
Total Solids	95.7		1	09/06/2017 16:20	WG1017279	





Ss

	Result (dry) Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg	mg/kg		date / time		
Benzene	ND	0.0261	50	09/03/2017 19:42	WG1015989	
Toluene	ND	0.261	50	09/03/2017 19:42	WG1015989	
Ethylbenzene	ND	0.0261	50	09/03/2017 19:42	WG1015989	
m&p-Xylene	ND	0.0523	50	09/03/2017 19:42	WG1015989	
o-Xylene	ND	0.0261	50	09/03/2017 19:42	WG1015989	
Methyl tert-butyl ether	ND	0.0523	50	09/03/2017 19:42	WG1015989	
Naphthalene	ND	0.261	50	09/03/2017 19:42	WG1015989	
1,3,5-Trimethylbenzene	ND	0.0523	50	09/03/2017 19:42	WG1015989	
1,2,4-Trimethylbenzene	ND	0.0523	50	09/03/2017 19:42	WG1015989	
TPH (GC/FID) Low Fraction	ND	5.23	50	09/03/2017 19:42	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102	80.0-200		09/03/2017 19:42	WG1015989	













SAMPLE RESULTS - 11

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:02

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	80.4		1	09/07/2017 09:45	WG1017280



Тс

Volatile Organic Compounds	(GC) by Method	8021B/WI(95) GRO
----------------------------	----------------	------------------

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	0.153		0.0622	100	09/03/2017 20:06	WG1015989	
Toluene	0.800		0.622	100	09/03/2017 20:06	WG1015989	
Ethylbenzene	1.85		0.0622	100	09/03/2017 20:06	WG1015989	
m&p-Xylene	38.0		0.124	100	09/03/2017 20:06	WG1015989	
o-Xylene	23.7		0.0622	100	09/03/2017 20:06	WG1015989	
Methyl tert-butyl ether	ND		0.124	100	09/03/2017 20:06	WG1015989	
Naphthalene	3.91		0.622	100	09/03/2017 20:06	WG1015989	
1,3,5-Trimethylbenzene	18.5		0.124	100	09/03/2017 20:06	WG1015989	
1.2.4-Trimethylbenzene	78.3		1.24	1000	09/07/2017 14:55	WG1015989	
TPH (GC/FID) Low Fraction	1150		124	1000	09/07/2017 14:55	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	117		80.0-200		09/03/2017 20:06	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	104		80.0-200		09/07/2017 14:55	WG1015989	



Ss















### SAMPLE RESULTS - 12

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:08

L933217

#### Total Solids by Method 2540 G-2011

DESCRIPTION OF THE PROPERTY OF	STAND THE OWNER HAVE THE REAL OWN	193220000				
	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		1
Total Solids	79.7		1	09/07/2017 09:45	WG1017280	

## <sup>2</sup>Tc



	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0628	100	09/07/2017 15:18	WG1015989	
Toluene	ND		0.628	100	09/07/2017 15:18	WG1015989	
Ethylbenzene	ND		0.0628	100	09/07/2017 15:18	WG1015989	
m&p-Xylene	0.457		0.126	100	09/07/2017 15:18	WG1015989	
o-Xylene	0.415		0.0628	100	09/07/2017 15:18	WG1015989	
Methyl tert-butyl ether	ND		0.126	100	09/07/2017 15:18	WG1015989	
Naphthalene	ND		0.628	100	09/07/2017 15:18	WG1015989	
1,3,5-Trimethylbenzene	0.584		0.126	100	09/07/2017 15:18	WG1015989	
1,2,4-Trimethylbenzene	1.58		0.126	100	09/07/2017 15:18	WG1015989	
TPH (GC/FID) Low Fraction	16.7		12.6	100	09/07/2017 15:18	WG1015989	
(S) a.a.a-Trifluorotoluene(PID)	103		80.0-200		09/07/2017 15:18	WG1015989	













## SAMPLE RESULTS - 13

ONE LAB, NATIONWIDE.

Collected date/time: 08/30/17 09:12

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch				
Analyte	%			date / time					
Total Solids	80.9	1-1	1	09/07/2017 09:45	WG1017280				

### Cp Тс

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0383	62	09/03/2017 20:53	WG1015989	
Toluene	ND		0.383	62	09/03/2017 20:53	WG1015989	
Ethylbenzene	0.402		0.0383	62	09/03/2017 20:53	WG1015989	
m&p-Xylene	1.06		0.0766	62	09/03/2017 20:53	WG1015989	
o-Xylene	0.455		0.0383	62	09/03/2017 20:53	WG1015989	
Methyl tert-butyl ether	0.106		0.0766	62	09/03/2017 20:53	WG1015989	
Naphthalene	ND		0.383	62	09/03/2017 20:53	WG1015989	
1,3,5-Trimethylbenzene	5,82		0.0766	62	09/03/2017 20:53	WG1015989	
1,2,4-Trimethylbenzene	4.62		0.0766	62	09/03/2017 20:53	WG1015989	
TPH (GC/FID) Low Fraction	329		38.3	310	09/07/2017 15:42	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 20:53	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/07/2017 15:42	WG1015989	















SAMPLE RESULTS - 14

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:18

Total Solids by Method 2540 G-2011

rotal solids by	Metriod 2540 0-2	2011		
	Result	Qualifier	Dilution	Ana
A	4.0			200

A CONTROL THE WARRANCE AND A CONTROL TO THE STREET, TH									
	Result	Qualifier	Dilution	Analysis	Batch				
Analyte	%			date / time					
Total Solids	86.7		1	09/07/2017 09:45	WG1017280				



Volatile Organic Compounds	(GC) by Method	8021B/WI(95) GRO
----------------------------	----------------	------------------

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time			
Benzene	ND		0.0288	50	09/03/2017 21:16	WG1015989		
Toluene	ND		0.288	50	09/03/2017 21:16	WG1015989		
Ethylbenzene	ND		0.0288	50	09/03/2017 21:16	WG1015989		
m&p-Xylene	ND		0.0577	50	09/03/2017 21:16	WG1015989		
o-Xylene	ND		0.0288	50	09/03/2017 21:16	WG1015989		
Methyl tert-butyl ether	0.0634		0.0577	50	09/03/2017 21:16	WG1015989		
Naphthalene	ND		0.288	50	09/03/2017 21:16	WG1015989		
1,3,5-Trimethylbenzene	ND		0.0577	50	09/03/2017 21:16	WG1015989		
1,2,4-Trimethylbenzene	ND		0.0577	50	09/03/2017 21:16	WG1015989		
TPH (GC/FID) Low Fraction	ND		5.77	50	09/03/2017 21:16	WG1015989		
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 21:16	WG1015989		



Ss













## SAMPLE RESULTS - 15

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 09:28

To

otal Solids	by Method	2540 G-2011	
otal oolias	by Method	2540 0-2011	

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%	-		date / time	
Total Solids	95.2		1	09/07/2017 09:45	WG1017280







	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time			
Benzene	ND		0.0262	50	09/03/2017 21:40	WG1015989		
Toluene	ND		0.262	50	09/03/2017 21:40	WG1015989		
Ethylbenzene	ND		0.0262	50	09/03/2017 21:40	WG1015989		
m&p-Xylene	ND		0.0525	50	09/03/2017 21:40	WG1015989		
o-Xylene	ND		0.0262	50	09/03/2017 21:40	WG1015989		
Methyl tert-butyl ether	0.0660		0.0525	50	09/03/2017 21:40	WG1015989		
Naphthalene	ND		0.262	50	09/03/2017 21:40	WG1015989		
1,3,5-Trimethylbenzene	ND		0.0525	50	09/03/2017 21:40	WG1015989		
1,2,4-Trimethylbenzene	ND		0.0525	50	09/03/2017 21:40	WG1015989		
TPH (GC/FID) Low Fraction	ND		5.25	50	09/03/2017 21:40	WG1015989		
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 21:40	WG1015989		















# SAMPLE RESULTS - 16

ONE LAB. NATIONWIDE.



### Total Solids by Method 2540 G-2011

Collected date/time: 08/30/17 09:30

and the second of the second o									
	Result	Qualifier	Dilution	Analysis	Batch				
Analyte	%			date / time					
Total Solids	96.0		1	09/07/2017 09:45	WG1017280				



#### Volatile Organic Compounds (GC) by Method 8021B/WI(95) GRO

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg		date / time			4	
Benzene	ND		0.0261	50	09/03/2017 22:04	WG1015989			
Toluene	ND		0.261	50	09/03/2017 22:04	WG1015989			K
Ethylbenzene	ND		0.0261	50	09/03/2017 22:04	WG1015989			
m&p-Xylene	ND		0.0521	50	09/03/2017 22:04	WG1015989			
o-Xylene	ND		0.0261	50	09/03/2017 22:04	WG1015989			F
Methyl tert-butyl ether	0.0526		0.0521	50	09/03/2017 22:04	WG1015989			
Naphthalene	ND ·		0.261	50	09/03/2017 22:04	WG1015989			F
1,3,5-Trimethylbenzene	ND		0.0521	50	09/03/2017 22:04	WG1015989			- [
1,2,4-Trimethylbenzene	ND		0.0521	50	09/03/2017 22:04	WG1015989			L
TPH (GC/FID) Low Fraction	ND		5.21	50	09/03/2017 22:04	WG1015989			1
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 22:04	WG1015989			







Ss















P-1

SAMPLE RESULTS - 17

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 10:00

Total S	olids by	Method	2540	G-2011
-			Result	0

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		
Total Solids	94.9		1	09/07/2017 09:45	WG1017280	



Ss

Volatile Organic	Compounds	(GC) by Method	8021B/WI(95)	GRO
------------------	-----------	----------------	--------------	-----

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time			
Benzene	ND		0.0263	50	09/03/2017 22:27	WG1015989		
Toluene	ND		0.263	50	09/03/2017 22:27	WG1015989	* 7.5	
Ethylbenzene	ND		0.0263	50	09/03/2017 22:27	WG1015989		
m&p-Xylene	ND		0.0527	50	09/03/2017 22:27	WG1015989		
o-Xylene	ND		0.0263	50	09/03/2017 22:27	WG1015989		
Methyl tert-butyl ether	0.0605		0.0527	50	09/03/2017 22:27	WG1015989		
Naphthalene	ND		0.263	50	09/03/2017 22:27	WG1015989		i
1,3,5-Trimethylbenzene	ND		0.0527	50	09/03/2017 22:27	WG1015989		
1,2,4-Trimethylbenzene	ND		0.0527	50	09/03/2017 22:27	WG1015989		I
TPH (GC/FID) Low Fraction	ND		5.27	50	09/03/2017 22:27	WG1015989		15.04
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 22:27	WG1015989		















D-1

### SAMPLE RESULTS - 18

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 10:36

#### Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		
Total Solids	82.7		1	09/07/2017 09:45	WG1017280	

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Benzene	ND		0.0302	50	09/03/2017 22:51	WG1015989	
Toluene	ND		0.302	50	09/03/2017 22:51	WG1015989	
Ethylbenzene	ND		0.0302	50	09/03/2017 22:51	WG1015989	
m&p-Xylene	ND		0.0605	50	09/03/2017 22:51	WG1015989	
o-Xylene	ND		0.0302	50	09/03/2017 22:51	WG1015989	
Methyl tert-butyl ether	0.0678		0.0605	50	09/03/2017 22:51	WG1015989	
Naphthalene	ND *		0.302	50	09/03/2017 22:51	WG1015989	
1,3,5-Trimethylbenzene	ND		0.0605	50	09/03/2017 22:51	WG1015989	
1,2,4-Trimethylbenzene	ND		0.0605	50	09/03/2017 22:51	WG1015989	
TPH (GC/FID) Low Fraction	ND		6.05	50	09/03/2017 22:51	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	102		80.0-200		09/03/2017 22:51	WG1015989	















D-2

**Total Solids** 

SAMPLE RESULTS - 19.

09/07/2017 09:45

Batch

WG1017280

ONE LAB. NATIONWIDE.

Collected date/time: 08/30/17 10:38

	Result	Qualifier	Dilution	Analysis	
Analyte	%	-		date / time	

Volatile Organic Compounds	(GC)	by Method	8021B/WI(95)	GRO

81.0

Analyte	Res mg/	ult (dry) kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>	
Benzene	ND			0.0308	50	09/03/2017 23:14	WG1015989	
Toluene	ND			0.308	50	09/03/2017 23:14	WG1015989	
Ethylbenzene	. ND			0.0308	50	09/03/2017 23:14	WG1015989	
m&p-Xylene	ND			0.0617	50	09/03/2017 23:14	WG1015989	
o-Xylene	ND			0.0308	50	09/03/2017 23:14	WG1015989	
Methyl tert-butyl ether	ND			0.0617	50	09/03/2017 23:14	WG1015989	
Naphthalene	0.69	95		0.308	50	09/03/2017 23:14	WG1015989	
1.3.5-Trimethylbenzene	ND	181		0.0617	50	09/03/2017 23:14	WG1015989	
1,2,4-Trimethylbenzene	ND			0.0617	50	09/03/2017 23:14	WG1015989	
TPH (GC/FID) Low Fraction	34.3			6.17	50	09/03/2017 23:14	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)		MILE STREET STREET		80.0-200		09/03/2017 23:14	WG1015989	

















D-3

SAMPLE RESULTS - 20

ONE LAB, NATIONWIDE.

\*

Collected date/time: 08/30/17 10:40

Total Solids by Method 2540 G-2011

TO THE PERSON NAMED AND PARTIES AND PARTIE						
	Result	Qualifier	Dilution	Analysis	Batch	
Analyte	%			date / time		
Total Solids	81.3		1	09/07/2017 09:45	WG1017280	

# <sup>2</sup>Tc



	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg	70	mg/kg		date / time		
Benzene	ND		0.0307	50	09/03/2017 23:38	WG1015989	
Toluene	ND		0.307	50	09/03/2017 23:38	WG1015989	
Ethylbenzene	ND		0.0307	50	09/03/2017 23:38	WG1015989	
m&p-Xylene	ND		0.0615	50	09/03/2017 23:38	WG1015989	
o-Xylene	ND		0.0307	50	09/03/2017 23:38	WG1015989	
Methyl tert-butyl ether	0.0760		0.0615	50	09/03/2017 23:38	WG1015989	
Naphthalene	ND		0.307	50	09/03/2017 23:38	WG1015989	
1,3,5-Trimethylbenzene	ND		0.0615	50	09/03/2017 23:38	WG1015989	
1,2,4-Trimethylbenzene	ND		0.0615	50	09/03/2017 23:38	WG1015989	
TPH (GC/FID) Low Fraction	ND		6.15	50	09/03/2017 23:38	WG1015989	
(S) a,a,a-Trifluorotoluene(PID)	101		80.0-200		09/03/2017 23:38	WG1015989	













#### WG1017279

#### QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

#### L933217-01,02,03,04,05,06,07,08,09,10

#### Method Blank (MB)

(MB) R3247464-1 09/06/17 16:20 MB Result MB Qualifier MB MDL MB RDL Analyte % % % Total Solids 0.000900 Ss

5

#### L933217-03 Original Sample (OS) • Duplicate (DUP)

93.1

(OS) L933217-03 09/06/17 16:20 • (DUP) R3247464-3 09/06/17 16:20 DUP RPD Original Result DUP Result Dilution DUP RPD **DUP Qualifier** Limits Analyte %

1.45

91.8



(LCS) R3247464-2 09/06/17 16:20

Total Solids

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	













#### WG1017280

### QUALITY CONTROL SUMMARY

ONE LAB, NATIONWIDE.

Sr

Total Solids by Method 2540 G-2011

#### L933217-11,12,13,14,15,16,17,18,19,20

#### Method Blank (MR)

Method Blank	(IVID)				
(MB) R3247777-1 09	9/07/17 09:45				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	%		%	%	
Total Solids	0.00140				
lotal Solids	0.00140				

#### L933217-11 Original Sample (OS) • Duplicate (DUP)

(OS) L933217-11 09	9/07/17 09:45 • (DUP) R	3247777-3 0	9/07/17 09	):45		***************************************
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	80.4	80.2	1	0.332		5

#### Laboratory Control Sample (LCS)

// 00) 000 47777 0	00/07/17 00:45					
(LCS) R3247777-2			1212-212-00-0		11 Feb 20120 University 201	
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	%	%	%	%		
Total Solids	50.0	50.0	100	85.0-115		

#### WG1015989

#### QUALITY CONTROL SUMMARY

ONE LAB, NATIONWIDE.

Volatile Organic Compounds (GC) by Method 8021B/WI(95) GROL933217-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

#### Method Blank (MB)

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	0.0000931	Ţ	0.0000880	0.000500
Toluene	U		0.000161	0.00500
Ethylbenzene	U		0.0000910	0.000500
m&p-Xylene	0.000215	J	0.000154	0.00100
o-Xylene	U		0.0000960	0.000500
Methyl tert-butyl ether	U		0.000160	0.00100
Naphthalene	U		0.00104	0.00500
1,3,5-Trimethylbenzene	U		0.0000820	0.00100
1,2,4-Trimethylbenzene	0.000114	ī	0.000107	0.00100
TPH (GC/FID) Low Fraction	U		0.0110	0.100
(S) a,a,a-Trifluorotoluene(PID)	100			80.0-200

















(LCS) R3247549-1	09/03/17 12:3	8 - (LCSD)	R3247549-8	09/04/17	00:48

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	<b>RPD Limits</b>	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Benzene	0.0500	0.0462	0.0478	92.4	95.7	80.0-120			3.50	20	
Toluene	0.0500	0.0472	0.0494	94.5	98.7	80.0-120			4.40	20	
Ethylbenzene	0.0500	0.0481	0.0501	96.3	100	80.0-120			3.94	20	
m&p-Xylene	0.100	0.103	0.107	103	107	80.0-120			3.67	20	
o-Xylene	0.0500	0.0484	0.0506	96.8	101	80.0-120			4.37	20	
Methyl tert-butyl ether	0.0500	0.0478	0.0485	95.7	97.0	80.0-120			1.35	20	
Naphthalene	0.0500	0.0505	0.0485	101	97.1	80.0-120			3.95	20	
1,3,5-Trimethylbenzene	0.0500	0.0500	0.0520	100	104	80.0-120			3.86	20	
1,2,4-Trimethylbenzene	0.0500	0.0486	0.0501	97.1	100	80.0-120			3.16	20	
(S) a,a,a-Trifluorotoluene(PID)				92.6	99.3	80.0-200					



### Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3247549-2 09/0	3/17 12:38 • (LCS	D) R3247549	-9 09/04/17 00	:48							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%	5.		%	%	
TPH (GC/FID) Low Fraction	0.550	0.526	0.507	95.6	92.3	80.0-120			3.55	20	
(S) a,a,a-Trifluorotoluene(PID)				92.6	99.3	80.0-200					

## WG1015989

# QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC) by Method 8021B/WI(95) GROL933217-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

L933217-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L933217-01	09/03/17 16:10 -	(MS) R3247549-4	09/04/17 00:01 -	(MSD) R3247549-6	09/04/17 00:25

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Benzene	0.0588	ND	2.35	2.33	79.8	79.3	50	32.0-137			0.710	39	
Toluene	0.0588	ND	3.56	2.52	121	85.8	50	20.0-142			34.1	42	
Ethylbenzene	0.0588	ND	2.61	2.51	88.7	85.5	50	10.0-150			3.64	44	
m&p-Xylene	0.118	ND	5.57	5.43	94.8	92.5	50	14.0-141			2.51	44	
o-Xylene	0.0588	ND	2.68	2.60	91.1	88.4	50	10.0-157			2.94	44	
Methyl tert-butyl ether	0.0588	ND	2.38	2.37	80.9	80.6	50	24.0-151			0.430	37	
Naphthalene	0.0588	ND	2.40	2.45	81.9	83.3	50	80.0-120			1.71	20	
1,3,5-Trimethylbenzene	0.0588	ND	2.57	2.60	87.5	88.5	50	80.0-120			1.05	20	
1,2,4-Trimethylbenzene	0.0588	ND	2.77	2.65	94.0	89.8	50	80.0-120			4.51	20	
(S) a,a,a-Trifluorotoluene(PID)					101	99.3		80.0-200					

# L933217-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OC)   022217 01	00/02/17 16:10	- (MC) D22/75/0 5	00/04/17 00:01	<ul> <li>(MSD) R3247549-7</li> </ul>	00/04/17 00-25
103/ L333Z 1/-01	03/03/1/ 10.10	• (IVIS) NSZ4/343-3	03/04/1/00.01	* (IVIOU) ROZ+/ 040-/	03/04/1/00.23

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	0.646	ND	36.1	29.9	112	92.5	50	80.0-120			18.7	20
(S) a a a-Trifluorotoluene(PID)					101	99.3		80.0-200				



Sc



# Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.



Tc

#### Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.



Reported Detection Limit. RDL (dry) Rec. Recovery.



RPD Relative Percent Difference. SDG Sample Delivery Group.



Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media



Not detected at the Reporting Limit (or MDL where applicable).



The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes



If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.



Sc

These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or



duplicated within these ranges

Original Sample

The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.

Qualifier

Result

Analyte

Dilution

Limits

This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.

The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.

Case Narrative (Cn)

A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.

Quality Control Summary (Qc)

This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.

Sample Chain of Custody (Sc)

This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.

Sample Results (Sr)

This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.

Sample Summary (Ss)

This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

O	11.61 -
Qua	litier
- Cuu	111101

#### Description

В

The same analyte is found in the associated blank.

The identification of the analyte is acceptable; the reported value is an estimate.



Cp

Tc

Ss

Cn

Sr

Qc

GI

Sc

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country, Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

#### State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina 1	DW21704
Florida	E87487	North Carolina 2	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio-VAP	CL0069
ldaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee 14	2006
Louisiana	Al30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas 5	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

# Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP.LLC	100789	
A2LA - ISO 170255	1461.02	DOD	1461.01	
Canada	1461.01	USDA	S-67674	
EPA-Crypto	TN00003			

<sup>&</sup>lt;sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/o</sup> Accreditation not applicable

#### Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



			Billing Info	rmation:		No 1	40	E III	to being	Ans	lysis / Co	ntainer /	Preservativo			Chain of Custod	V Page of	
MSA Professional Ser 332 W. Superior Street, Suite Duluth, MN 55802	A. He ma		MSA Pro 332 W. S Duluth,	Superior	St, Ste	. 600	Pres Chk										ESC	
Report to: Erica Klingfus			Email To:	eklingfus@	msa-ps.o	com										12065 Lebanon R Mount foket, TN Phone: 615-758-1	37122 30537 553	
Project Description: South Shore C-Store	e			City/Sta Collecte	City/State Herbston,			ŧ								Phone: 800-757-5 Fax: 615-758-585		
Phone: 218-722-3915	Chent Project 18764001	*	Lab Project # MSAPRODMN-18764001			N-18764001		еон/ѕ								L# 933 H010		
Collected by (print):	Site/Facility I	#	P.Q. #			PE I	mp/M									SAPROUMIN		
Erica Klingfus Collected by (signature)  mmediately Packed on Ice N y	Same D	Lab MUST Be ay Five ay 5 Day y 10 D	Day  (Rad Only)  Date Results Nonded		CONTRACTOR OF THE PROPERTY OF THE PARTY OF T		Results Needed 1		PVOCGRO 60mlAmb/MeOH/Syr	4o2Clr-NoPres								15224 hn Hawkins 8- US- YA
Sample ID	Comp/Grab	Matrix *	Depth	Da	Date Time		Cntrs	PVOC	TS 4c							Shipped Via: Semans	Sample # (lab only)	
S-1	GRAB	SS	4'	8/31	0/17	900	2	Х	х		AL EXP				11232 242.4		-01	
2*3		SS	41	15		904	2	Х	X								102	
5-3	- 154	SS	4'	10		906	2	Х	X								-03	
5.4		SS	4,			910	2	Х	х								-04	
5-5		SS	4'			914	2	X	X								25	
5-4		SS	4'	1000		916	2	Х	х								-46	
5-7		SS	41			920	2.	X	X								707	
5-8		SS	4'			922	2	Х	Х		1 2			-			-08	
5-9		SS	4'			924	2	Х	x 1				u.				759	
5-10	V	SS	L.		1	926	2	X	X	Tita is							10	
Matrix: S - Soll AIR - Air F - Filter SW - Groundwater B - Bioassay WW - Orinking Water DT - Other	Samples getu	rned via:	ırier	E PLS	Te	ecking # 7	380 atura)	4	420	76	pH	<u> </u>	emp	0 3 % 5 W P	OC Seal OC Signs otties a orest l officier DA Zero	uple Feceipt Progent/Inta pd/Accurate: errive intact outtles used: it volume sen it Applic Headspace: tion Currect/	at: _NF _X _N :	
Relinquished by Signature	1	8/3 Date:	0/17	1601 Time:		ceived by: (Signa	sture}			1	emp:	°C	HCL/TV TBR Bottles Recei		preserva	tion required by	Login: Date/Time	
Relinquished by : (Signature)		Date:	-0.75	Time:	Re	ceived for lab.	r: (Signa	ture)	-1	0	1.3 Tate:	0	UO Time:	H	lold:		Condition	

MSA Professional S	ondess		Billing Inf	ormation:					An	alysis / Co	ontain	er / Preser	rative		Chain of Custo	dy Page of																
332 W. Superior Street, Sui Duluth, MN 55802			332 W.	ofessionals Superior St, S MN 55802	ite. 600	Pres Chk									_ <b>&gt;</b>	ESC																
Report to: Erica Klingfus			Email To:	eklingfus@msa- <sub>l</sub>	ps.com										12065 Lebaran																	
Project Description: South Shore C-Sto	ore			City/State  -	lerbster,										Mount Juliet, Th Phone: 615-758 Phone: 800-767 Fax: 615-758-58	5859 - 200																
Phone: 218-722-3915 Fax: 218-722-4548	Client Project 18764001	COO A TAILCE IT			MN-18764001		JAS/HC								1 93	3217																
Collected by (print):	Site/Facility (	D#	P.Q. #				b/Me								Table #	Table # Acctnum: MSAPRODMN																
collected by (slavfature)		Lab MUST Be	ne Day									The state of the s					Quote #						60mlAmb/MeOH/Syr	Pres							Template:T	127274
mmediately acked on ice N y	Next Da	y5 Day	5 Day (Rad Only) Bate Results Needed 19 Day (Rad Only)		Parte Results Needed No.			TS 4o2Clr-NoPres		Template:T127274 Prelogin: P615224 TSR: 341 - John Hawki PB: Shipped Via: FedEX C					ohn Hawkins																	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	PVOCGRO	TS 40;							-	FedEX Ground																
3-1	Grab	SS	6'	8/30/17	902	2	X	X							The same	1-11																
5-2	and the same	55	61		908	2	Х	X		- 1						-12																
3-3		SS	61		912	2	X	X				175				-13																
-4		SS	u'		918	2	X	х								-14																
-5		SS	6		928	2	Х	х								15																
1-6		SS	6'		930	2	Х	Х				W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			100	-16																
2-1-2		SS	31	per my line side	1000	2	Х	Х							=	-17																
)-		SS	2'		1030	2	х	х								-18																
)-2		SS	2'		1038	2	х	X			-					71																
)-3	V	SS	2'		1040	2	X	X								-20																
atrix: Soll AIR - Air F - Filter - Groundwater B - Bidassay - WasteWater - Drinking Water Other	Remarks: TWO COOLE				* * *				1	pH Flow _		Temp_ Other_		COC Sea COC 319 Bottles Correct	Sample Recolpt  1 Present/Inc. med/accurate; arrive intact tottles used ent volume acc																	
D130/17 1			racking # 73 eceived by: (Signati	77 ire)		963	LI	78 rip Blank	Receiv	red; Yes /	(Ng) / Meat		if Appli o Readapado: vallon Correct	_Y_																		
quished by ; (Signature)	ulshed by ; (Signature) Date:			ne. R	eceived by: (Signatu	ite)			Ti	emp: (	who.	Bottles L	Recoved)	If presen	vation required by	Login: Date/Time																
quished by : (Signature)		Pate:	Tin	ne: R	ecepted for lab Kir. I	Signati	L'S	المد ما	0	14: 27:1	.17	Time:	иС	Hold:		Condition: NCF / OK																

# **Environmental Remediation**

Northland Gas and Supplies Site
C111 STH 13, Town of Clover, Herbster, Bayfield County, Wisconsin
Advent Project No. 96958.02

February 1995

Prepared for Mr. Bill Green

ENVIRONMENTAL SERVICES, INC.

# **EXECUTIVE SUMMARY**

Advent Environmental Services, Inc. completed a soil remediation for the Northland Gas and Supplies site (formerly known as Jim's Union 76) at C111 State Highway (STH) 13, town of Clover, unincorporated village of Herbster, Bayfield County, Wisconsin.

Advent coordinated the excavation, thermal treatment, and backfilling of 3,800 tons of petroleum-contaminated soil identified by the underground storage tank (UST) closure completed by Northwest Petroleum of Brule, Inc. in July 1992 and subsequent environmental investigations completed by Advent in September 1992 and June 1993. Advent also removed two petroleum USTs encountered during the remediation activities, which occurred between September 26 and September 30, 1994.

The soil was thermally treated and incorporated into asphalt by Lakehead Blacktop and Materials of Superior, Inc., in Superior, Wisconsin. Uncontaminated clay similar to the type of red clay removed was transported from a pit near the Superior asphalt plant, and from land owned by the Town of Clover and used as backfill.

Chemical analyses of soil samples collected from the walls and floor of the excavation indicate that the accessible petroleum-impacted soil has been removed from the site. Soils contaminated with gasoline range organics (GROs), diesel range organics (DROs), and volatile organic compounds (VOCs) at concentrations that exceed the Wisconsin Department of Natural Resources (WDNR) interim case closeout limits remain in two inaccessible locations: under STH 13 and in groundwater-saturated backfill of a sanitary sewer trench that intersects the site.

Benzene concentrations above the 5.5 parts per billion (ppb) case closeout standard were detected in many of the post-excavation samples collected from the floor and walls of the excavation. However, pre-excavation and post-excavation soil sampling indicates benzene concentrations have been reduced from a pre-excavation average of 83,000 ppb to a post-excavation average of 78 ppb in the accessible soils. Also, borings completed during the previous site investigations demonstrate the remaining benzene-impacted soil is localized to the perimeter of the excavation.

Groundwater was encountered in the excavation at a depth of approximately 10 feet. This is consistent with the depth to groundwater identified in three groundwater monitoring wells at the site. Petroleum contaminants have been detected in the groundwater wells, but none of the contaminants are present at concentrations above the PAL.

We recommend no additional soil remediation activity for this site. However, soil vapor probes should be installed to evaluate and monitor potentially hazardous vapor migration in the impacted sewer trench. The soil vapor monitoring can be conducted concurrently with groundwater monitoring activities. We further recommend installing additional groundwater monitoring wells, previously requested by the WDNR, to further investigate the potential petroleum impact to groundwater and verify groundwater flow direction. After installation, all monitoring wells on site should be sampled quarterly for a year to monitor the effects of soil remediation activities and evaluate the significance of groundwater contaminant levels. Results of quarterly sampling will determine if additional groundwater remediation or well abandonment is warranted.

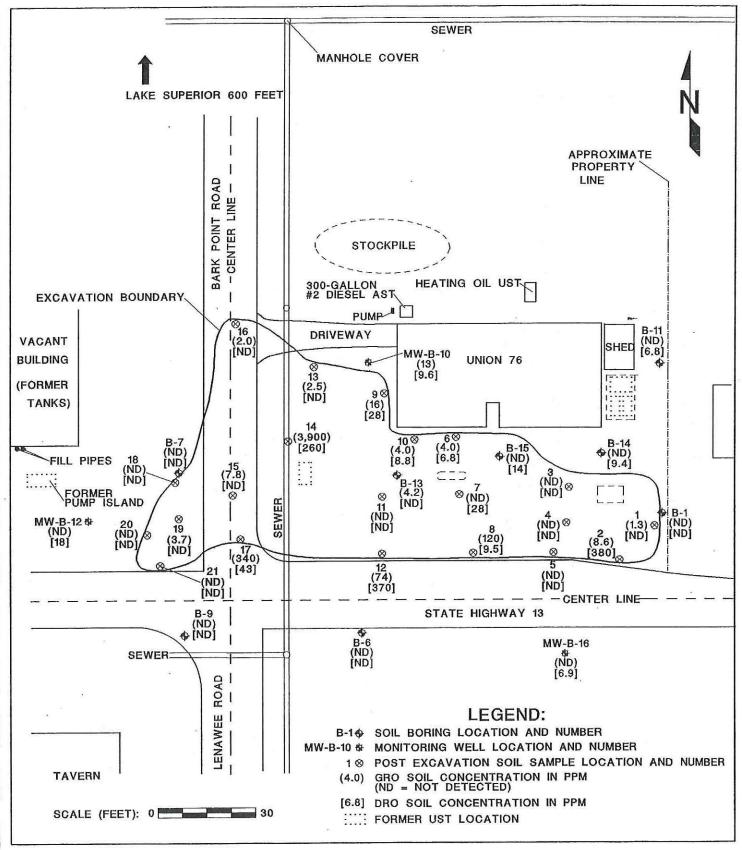


FIGURE 3 POST EXCAVATION GRO/DRO SOIL CONCENTRATIONS NORTHLAND GAS SITE HERBSTER, WISCONSIN

# ADVENT

ENVIRONMENTAL SERVICES, INC. DATE: 1/20/95 DRAWING # 96958G

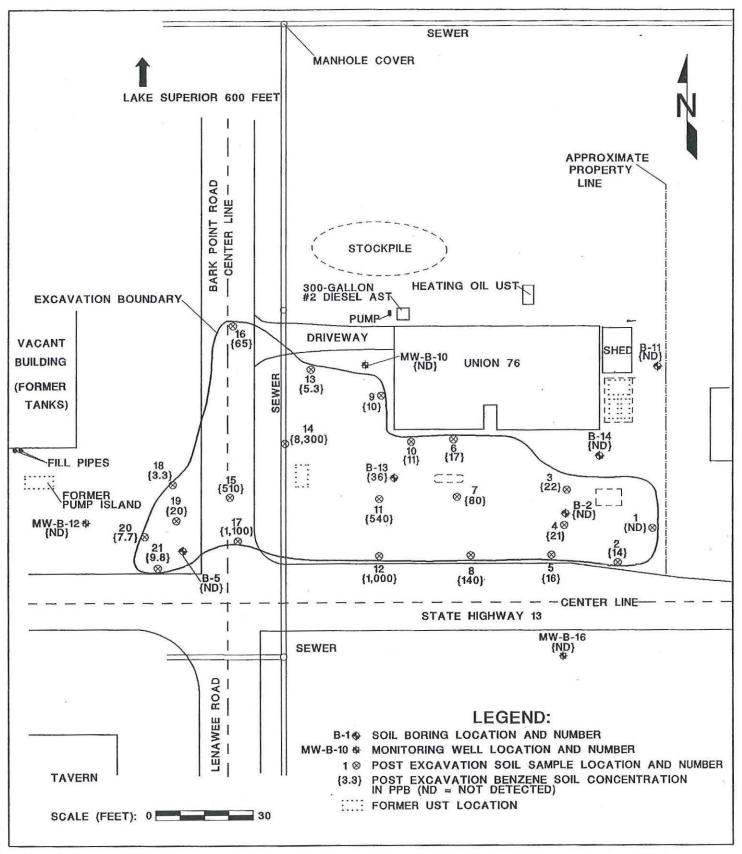


FIGURE 4 POST EXCAVATION BENZENE SOIL CONCENTRATIONS NORTHLAND GAS SITE HERBSTER, WISCONSIN

# ADVENT

ENVIRONMENTAL SERVICES, INC. DATE: 1/20/95 DRAWING # 96958H

# TABLE 2 RESULTS OF CHEMICAL ANALYSES OF POST EXCAVATION SOIL SAMPLES NORTHLAND GAS

Sample ID	Date	Depth	GRO	DRO	PID	VOCs <sup>1</sup> (ppb)									
	Collected	(feet)	(ppm)	(ppm)	(Instrument Units)	Benzene	Ethylbenzene	MTBE			1,3,5 TMB	Xylenes	1,2-DCA		
4	9/26/94	10.5	1.2	ND	0	ND	ND	ND	ND	ND	ND	ND	ND		
1		10.5	1.3		3		ND	ND	ND	/E/(E/OO/A)	_	ND	ND		
2	9/26/94	9	8.6	380		14	28	ND	21	58	180	46	ND		
3	9/26/94	8	ND	ND	0	22	32	ND	51	33	ND	46	ND		
4	9/26/94	10.5	ND	ND	0	21	ND	ND	27	ND	ND	ND	ND		
5	9/26/94	8	ND	ND	11	16	ND	ND	39	ND	ND	ND	ND		
6	9/27/94	9	4.0	6.8	1	17	72	ND	19	85	78	70	ND		
7	9/27/94	10	ND	28	0	80	ND	ND	31	ND	ND	32	ND		
8	9/27/94	8	120	9.5	100	140	1,400	ND	2,100	5,600	1,700	6,400	ND		
9	9/27/94	5	16	28	15	10	13	ND	-22	96	85	48	ND		
10	9/27/94	7	4.0	8.8	12	11	23	ND	11	14	ND	25	ND		
11	9/27/94	10.5	ND	ND	2	540	11	ND	34	.ND	ND	26	ND		
12	9/27/94	6	74	370	100	1,000	8,100	ND	7,200	34,000	13,000	43,000	ND		
13	9/28/94	7	2.5	ND	1	5.3	ND	ND	16	ND	ND	ND	ND		
14	9/28/94	10	3,900	260	140 <sup>+</sup>	8,300	49,000	ND	110,000	150,000	45,000	250,000	ND		
15	9/29/94	9	7.8	ND	5	510	340	ND	280	73	23	990	ND		
16	9/28/94	6	2.0	ND	2	65	8.3	ND	18	ND	ND	46	ND		
17	9/29/94	6	340	43.0	150	1,100	4,100	ND	3,800	14,000	4,400	17.000	ND		
18	9/29/94	6	ND	ND	0	3.3	7.3	ND	23	ND	ND	22	ND		
19	9/29/94	8	3.7	ND	1	20	82	ND	28	300	89	570	ND		
20	9/29/94	7	ND	ND	0	7.7	ND	ND	13	ND	ND	ND	ND		
21	9/29/94	7	ND	ND	0	9.8	ND	ND	ND	ND	ND	ND	ND		
u ou n	0/07/04		- ND												
MeOH Blank	9/27/94		ND				-								
MeOH Blank	9/29/94	,	ND												
Case Clos	eout Limits		100	100		5.5	2,900	-	1,500	_		4,100	4.9		

For a complete list of VOCs analyzed and the laboratory detection limits, see appendix

ND Not Detected
-- Not Applicable

Shading indicates those concentrations that exceed applicable case closeout standards.





# State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor Kurt A. Thiede, Interim Secretary Ashland Service Center 2501 Golf Course Road Ashland, Wisconsin 54806 Telephone 715-685-2900 FAX 715-685-2909

September 25, 2017

MS JANINE HAHN 85780 SMITH DR HERBSTER WI 54844

Subject: Reported Contamination at the South Shore C-Store

14770 State Highway 13, Herbster, Wisconsin

DNR BRRTS Activity #03-04-580236

Dear Ms. Hahn:

On September 20, 2017, Erica Klingfus of MSA Professional Services notified the Department of Natural Resources (DNR) that petroleum contamination had been detected at the site described above. The contamination was detected in soil samples collected during the removal of two underground storage tanks at the site on August 30, 2017.

Based on the information that has been submitted to the DNR regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Wisconsin Statutes § 292.11, known as the hazardous substances spill law.

This letter describes the legal responsibilities of a person who is responsible under Wis. Stats. § 292.11, 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 DNR.

# **Legal Responsibilities:**

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Wis. Stats. § 292.11 (3), 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 §§ NR 700 through NR 754 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wis. Adm. Code § 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. The following information provides the timeframes and required steps to take. Unless otherwise approved by DNR in writing you must complete the work by the timeframes specified.

- 1. Within the next 30 days, by October 25, 2017, you should submit <u>written</u> verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the DNR may initiate enforcement action against you.
- Within 60 days, by November 24, 2017, you must submit a work plan for completing the
  investigation. The work plan must comply with the requirements in the NR 700 Wis. Adm. Code rule
  series and should adhere to current DNR technical guidance documents.
- 3. You must initiate the site investigation within 90 days of submitting the site investigation work plan. You may proceed with the field investigation upon DNR notification to proceed. If the DNR has not responded within 30 days from submittal of the work plan, you are required to proceed with the field investigation. If a fee for DNR review has been submitted, the field investigation must begin within 60 days after receiving DNR approval.
- 4. Within 60 days after completion of the field investigation and receipt of the laboratory data, you must submit a Site Investigation Report to the DNR.
- 5. Within 60 days after submitting the Site Investigation Report, you must submit a remedial actions options report (RAOR). The RAOR shall include an evaluation of Green and Sustainable Remediation opportunities as required by Wis. Adm. Code § NR 722.09 (2m).

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the DNR's internet site. You may view the information related to your site at any time (<a href="http://dnr.wi.gov/botw/SetUpBasicSearchForm.do">http://dnr.wi.gov/botw/SetUpBasicSearchForm.do</a>) and use the feedback system to alert us to any errors in the data.

If you want a formal written response from the department on a specific submittal, please be aware that a review fee is required in accordance with Wis. Adm. Code § NR 749. If a fee is not submitted with your reports, you must complete the site investigation and cleanup to maintain your compliance with the spills law and Wis. Adm. Code §§ NR 700 through NR 754. **The timeframes specified above are required by rule, so do not delay the investigation of your site.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to me at the address in the letterhead on page 1. Unless otherwise directed, submit one paper copy and one electronic copy of plans and reports as required under Wis. Adm. Code § NR 700.11 (3g). To speed processing, correspondence should reference the BRRTS number shown at the top of this letter.

### Site Investigation and Vapor Pathway Analysis

As you develop the site investigation work plan, we want to remind you to include an assessment of the vapor intrusion pathway. Wis. Adm. Code § NR 716 outlines the requirements for investigation of contamination in the environment. Specifically, § NR 716.11(3) (a) requires that the field investigation determine the "nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in all affected media". In addition, §§ NR 716.11(5) (g) and (h) contains the specific requirements for evaluating the presence of vapors in the sub-surface as well as in indoor air.

You will need to include documentation with the Site Investigation Report that explains how the assessment was done. If the vapor pathway is being ruled out, then the report needs to provide the appropriate justification for reaching this conclusion. If the pathway cannot be ruled out, then investigation and, if appropriate, remedial action must be taken to address the risk presented prior to submitting the site for closure. The DNR has developed guidance to help responsible parties and their consultants comply with the requirements described above. The guidance includes a detailed explanation of how to assess the vapor intrusion pathway and provides criteria which identify when an investigation is necessary. The guidance is available at: <a href="http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf">http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf</a>.

### **Additional Information for Site Owners:**

We encourage you to visit our website at <a href="http://dnr.wi.gov/topic/Brownfields/">http://dnr.wi.gov/topic/Brownfields/</a>, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more.

Information on selecting a consultant and a list of consultants is enclosed.

If you have any questions concerning this letter or the project in general, please do not hesitate to write or call me at 715-685-2920. I can also be reached by e-mail at Christopher.Saari@Wisconsin.gov.

Thank you for your cooperation.

Sincerely,

Christopher A. Saari Hydrogeologist

attach. Selecting a Consultant - RR-502 http://dnr.wi.gov/files/PDF/pubs/rr/RR502.pdf

Environmental Services Contractor List - RR-024 http://dnr.wi.gov/files/PDF/pubs/rr/RR024.pdf

# Saari, Christopher A - DNR

From:

Erica Klingfus <eklingfus@msa-ps.com>

Sent:

Thursday, September 21, 2017 7:29 AM

To:

Saari, Christopher A - DNR; Soyer, Jenna A - DNR

Cc:

Jeff Anderson; tdenterprises\_2000@msn.com

Subject:

RE: TSSA Part B Form - South Shore C-Store

Attachments:

18764001 Photo Log.pdf

I had forgotten to attach the required photos – here are the photos of groundwater within the tank basin.

From: Erica Klingfus

Sent: Wednesday, September 20, 2017 4:18 PM

To: Saari, Christopher A - DNR; 'jenna.soyer@wisconsin.gov'

Cc: Jeff Anderson; 'tdenterprises\_2000@msn.com' Subject: TSSA Part B Form - South Shore C-Store

Chris and Jenna,

Please see attached the TSSA Part B form filled out for the South Shore C-Store tank removal in Herbster, WI. Also attached are figures and laboratory analytical results from soil samples collected at the site. A release notification form was submitted earlier today as well using the submittal button on the form.

Let me know if you have any questions or require any additional information.

Thank you,

Erica Klingfus

·MSA

Erica Klingfus | Environmental Scientist
MSA Professional Services, Inc.

+1 (218) 499-3171

10 2 6

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

# Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (R 06/17)

Page 1 of 3

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

BRRTS Duplicate

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, 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. NOTIFY appropriate DNR region (see next page) IMMEDIATELY upon discovery of a potential release from (check one):

( ) Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)

Aboveground Petroleu	m Storage Tank Systen	า								
Ory Cleaner Facility										
Other - Describe:										
ATTN DNR: R & R Prog	ram Associate		Date	DNR Notified:	09/20/2017					
<ol> <li>Discharge Reported B</li> </ol>										
Name		Firm	Phone Number (include area							
Erica Klingfus		MSA Professional Ser	The state of the s							
Mailing Address 332 W. Superior St., Ste	600		Email eklingfus@msa-ps.co	am.						
2. Site Information	. 000	SALSON STATE OF SULL	ekinigius@insa-ps.co		THE STREET STREET					
Name of site at which disch property.	narge occurred. Include	local name of site/busine	ss, not responsible party	name, unless a	residence/vacant					
South Shore C-Store										
Location: Include street add 123 on E side of CTH 60.	dress, not PO Box. If no	o street address, describe	as precisely as possible	, i.e., 1/4 mile N	IW of CTHs 60 &					
14770 State Highway 13	N. C.									
Municipality: (City, Village,	Township) Specify mun	icipality in which the site	is located, not mailing ad	dress/city.						
Herbster										
County	Legal Description:			WTM:						
Bayfield	SE % of SE % S	ection 5 , Town 50 N	I.Range 07 OF ♠W	X 423682	Y 707366					
3. Responsible Party (RP										
Responsible Party Name: Enecessary.	Business or owner name	e that is responsible for cl	eanup. If more than one,	list all. Attach a	additional pages as					
discharge being reporte and 3) provide documer	d, per Wis. Stat. §§ 292 ntation to DNR that dem	n from state Spill Law and 1.11(9)(e) and 292.23, sho onstrates compliance wit re-based liability clarificati	ould: 1) check this box; 2) h the statutory requirement	) review <u>DNR puerts</u> of the liability	ublication RR-055; ty exemptions.					
Contact Person Name (if di	fferent)	Phone Number	Email							
Janine Hahn										
Mailing Address			City	State						
85780 Smith Drive	. 10		Herbster	WI	54844					
Responsible Party Name: E necessary.	Business or owner name	e that is responsible for cl	eanup. If more than one,	list all. Attach a	additional pages as					
Contact Person Name (if di	fferent)	Phone Number	Email		= 1					
Mailing Address		•	City	State	ZIP Code					
			1		(continued)					

# Notification For Hazardous Substance Discharge (Non-Emergency Only)

Erica Klingius MSA Professiona				Form 4400-225 (R 06/17)	Page 2 of 3
4. Hazardous Substance In	nformation	The state of the state of	THE EARLY		
Identify hazardous substance	e discharged (check al	I that apply):			
Identify hazardous substance  VOCs PCE TCE Other Chlorinated Diesel Fuel Oil Gasoline Hydraulic Oil Jet Fuel  5. Impacts to the Environmenter "K" for known/confirme	(VOCs continued)  Mineral Oi Waste Oil Petroleum PAHs PCBs Cyanide Leachate Manure	I -Unknown Type	C   L   C   Pesti   Fertil	Arsenic Chromium Lead Other: Loides: Lizer: LA Hazardous Waste:	
Air Contamination	sa or i for potential i	Fire Explosion	Threat	V Sail Contemination	
Co-mingled (Petroleum Contamination in Fracti Contamination Within 1 Contaminated Private V Contaminated Public W Contamination in Right	ured Bedrock Meter of Bedrock Vell /ell	Free Product P Groundwater C Off-Site Contain Sanitary Sewer Storm Sewer C Sediment Contar Other (specify):	ontamination nination Contaminat ontamination	Surface Water Contamination Within 100 ft of Private W	ition ell
Contamination was discover	ed as a result of				
-	V	namt 🗆 o	ther Deser	iba	
Tank closure assessme		70015	ther - Descr	ibe:	
Date	Date 08/30	0/2017 Date			
Additional Comments: Inclu hazardous substances that I	nave been discharged.	of immediate actions t		e attached the release and contain or cleanup filled with fill material brought on site	<b>&gt;</b> .
6. Federal Energy Act Req	uirements (Section 9		Vaste Dispo		
For all confirmed releases from USTs occurring after 9/30/2007 please provide the following information:	Source Tank Piping Dispenser Submersible Turbine Pump Delivery Problem			Cause  Spill Overfill Corrosion Physical or Mechanical Damage Installation Problem Other (does not fit any of above)	
Does not apply.	X Other (specify):			⊠ Unknown	,
Contact information to rep		releases in DNR's	five regions		
Northeast Region (FAX: 92 Brown, Calumet, Door, F Marinette, Marquette, Me Northern Region (FAX: 715	0-662-5413); Attention ond du Lac (except Ci enominee, Oconto, Out i-623-6773); Attention	i R&R Program Ass ity of Waupun - see s agamie, Shawano, Si R&R Program Ass	sociate: DN South Cent heboygan, V ociate: DNF	IRRRNER@wisconsin.gov ral Region), Green Lake, Kewaunee, Vaupaca, Waushara, Winnebago cour	nties
Vilas, Washburn counties		rost, i lorende, non, t	.ungiauc, Lli	John, Official, Folk, Fride, Nusk, Odw	yor, raylor,
South Central Region (FAX: Columbia, Dane, Dodge, Walworth counties	608-273-5610); Attent Fond du Lac (City of	Waupun only), Gran	t, Green, low	va, Jefferson, Lafayette, Richland, Ro	ck, Sauk,
Southeast Region (FAX: 41				NKKKSEK@Wisconsin.gov	

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Erica Klingfus MSA Professional Services

Form 4400-225 (R 06/17)

Page 3 of 3

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

# **PHOTOGRAPHIC LOG**

# South Shore C-Store

14770 State Highway 13, Herbster, WI 54844 MSA Project No. 18764001



View of tank basin and C-Store Laundromat building facing northwest.





View of groundwater filling excavation.



View of C-Store buildings and dispensers facing northwest.

