General Engineering Company P.O. Box 340 916 Silver Lake Drive Portage, WI 53901



608-742-2169 (Office) 608-742-2592 (Fax) gec@generalengineering.net www.generalengineering.net

October 25, 2019

Nick Eberle (email)
Wisconsin Department of Agriculture Trade and Consumer Protection
Nicholas.Eberle@wisconsin.gov

RE: Underground Storage Tank Site Assessment

Madison Pantry 2022 Fordem Ave

Madison, Dane County, Wisconsin

Dear Mr. Eberle:

General Engineering Company has been retained by Schaper Excavating and Petroleum to perform a tank system site assessment (TSSA) for the removal of three underground storage tanks (USTs), associated product lines and dispensers, from the property located at 2022 Fordem Ave, Madison, in Dane County, Wisconsin. The three USTs consisting of two 8,000-gallon, and one 10,000-gallon in capacity, all containing unleaded gasoline.

The property is situated on the northwest corner of the intersection of Fordem Avenue and Fordem Court in the city of Madison, Wisconsin. The property was occupied by a gasoline station and convenience store. The main structure was located at the northwest portion of the property. The USTs and dispensers were located just east of the convenience store structure on the eastern portion of the property. The two dispensers were located above the USTs. A Regional Site Location Map, and Site Plan Map, are included in Attachment B.

Contractor/Excavator and Cleaner Remover:

Schaper Excavating and Petroleum, LLC W4396 County Hwy E Pardeeville, WI 53954

Tank Site Assessor:

Beth Erdman (467899) General Engineering Company 916 Silver Lake Drive Portage, WI 53901





Underground Storage Tank Site Assessment Madison Pantry Madison, Dane County, Wisconsin

Tank Removal/Closure:

On October 8, 2019, General Engineering Company performed an underground storage tank system site assessment for the removal of three USTs, two dispensers and associated piping. The product lines extended from the top of the tanks to the dispensers, which were located above the USTs. As the result of the lines and dispensers being located above the ASTs, no dispenser or line samples were collected. Water was present in the bottom of the excavation at a depth of approximately 6.5 to 7 feet below the ground surface. Due to the presence of groundwater, bottom soil samples were not collected, or required according to the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) guidance for tank site assessments. No odor or sheen was obvious on the groundwater.

Eleven soil samples were collected from the sidewalls around the UST excavation. Soil samples were submitted for laboratory analysis of petroleum volatile organic compounds (PVOC) and naphthalene. Low PVOC concentrations of trimethylbenzenes in soil sample SS-4, and naphthalene and trimethylbenzenes in soil sample SS-5 were detected along the western wall of the excavation. These concentrations were well below the Wisconsin Administrative Code (WAC) NR 720 soil to groundwater residual contaminant levels (RCLs). No PVOC or naphthalene compounds were detected in the remaining standards above the laboratory limit of detection. A map identifying the TSSA soil sample locations is included in Attachment B. Site photographs are included in Attachment C. A Soil Analytical Results Table, summarizing the soil samples analytical results from the TSSA are included in Attachment D.

Soil/Groundwater:

Native soils at the site to the bottom of the excavation were primarily brown/tan silty clay with gravel and cobbles. Groundwater was present in the bottom of the excavation. No obvious sheen or indication of a release was present on the groundwater.

Historic Release:

A historic release is documented at the site on the Wisconsin Department of Natural Resources (WDNR) BRRTS on the Web database. Open Pantry (BRRTS# 03-13-000051) was historically investigated and closed by the WDNR May 5, 2002, with residual contamination documented at the site. It is likely the low PVOC and naphthalene concentrations detected in the soil samples from this tank site assessment are associated with the residual petroleum contamination left in place at the time of this leaking underground storage tank (LUST) activity in May 2002.

Conclusions:

A tank site assessment including eleven soil samples was performed during the removal of three USTs and two dispensers at the Madison Pantry property in Madison, Dane County, Wisconsin. Low PVOC and naphthalene concentrations were detected from soil samples collected along the western wall of the excavation. Analytical results from the soil samples did not contain PVOC or naphthalene compounds above the WAC NR 720 RCLs. The low concentrations detected from the site assessment samples are likely from residual contamination from the LUST activity closed in 2002. Therefore, no additional investigation appears warranted at this time.





Underground Storage Tank Site Assessment Madison Pantry Madison, Dane County, Wisconsin

Please feel free to contact me if you have any further questions, or if additional information is needed.

Respectfully Submitted,

GENERAL ENGINEERING COMPANY

Beth Erdman

Environmental Project Manager

Lynn M. Bradley

Beth A. Lodman

Lynn M. Bradley

Environmental Project Manager

Attachments:

A – Tank System Service and Closure Assessment Form Part B

B - Figures

C - Photographs

D – Soil Analytical Table, Analytical Results and Chain of Custody Documentation

c: Schaper Excavating (email)

Wendy Weihemuller, PA, WDNR, 3911 Fish Hatchery Road, Madison, WI 53711





ATTCHMENT A TANK SYSTEM CLOSURE ASSESSMENT PART B

Part P. To be completed by a	nvironmental professional	Submit original Bort B to	the WDND clara with a se	any of Dort A
Part B - To be completed by e		Submit original Part B to	the WDNK along with a co	py of Part A
I. TANK-SYSTEM SITE ASSESSMENT SITE NAME - Note: SITE NAME and add Madison Pantry	•	n 1.		
SITE ADDRESS (Not PO Box) 2022 Fordem Ave		☐ CITY ☒ TOWN Madison	□ VILLAGE	STATE ZIP WI 53704
To determine if a TSSA is required, s			RTING OF SUSPECTED AND C	DBVIOUS RELEASES
If a TSSA is required, then follow the UNDERGROUND AND ABOVEGRO	•		ISPECTED AND OBVIOUS RE	LEASES FROM
Site Information a. Has there been a previously of	locumented release at this site? 🔀	Y 🗆 N		
If yes, provide the DATCP #		or DNR BRRT's # 03	3-13-000051	
b. Number of active tanks at faci	lity prior to completion of current ser	rvices: USTs 3	ASTs	
· ·	sly closed systems or system composition (in feet). (Photos must be provided			
EXCAVATION/TRENCH#	LENGTH	WIDTH	DEPTH	
UST	37 ft	35 ft	12 ft	
W-5. W. V. V				
Visual Excavation/Trench Inspe Do any of the following conditions exi a. Stained soils: ☐ Yes ☒ N d. Free product in the excavation	st in or about the excavation(s)?	_	cavation/trench: ⊠ Yes □ N	1 0
3. Geology/Hydrogeology		to seed to dear Prices and the colors . • The colors and the color		
a. Depth to groundwater 6.5-7	feet b.	. Indicate type of geology ² _E	Br/Tan Silty Clay with Gravel/Col	bbles
 Receptors a. Water supply well(s) within 25 				
	eet of the facility? Yes No	If yes, specify:		
5. Sampling				
ABOVEGROUND STORAGE				DERGROUND AND
The state of the s	ppropriate. (Attach chain-of-custody	y and laboratory analytical rep	orts.)	
c. Attach a detailed map of site for	eatures and sample locations.			
I NOTE BEI EVANT OBSERVATIONS S	DECIFIC BOODI EME OD CONCEDNE	BEI OW		

Depth to water was present at approximately 6.5-7 feet below ground surface (bgs). Excavation extended to approximately 12 feet bgs, so no bottom samples were collected. No evidence of petroleum or petroleum odors were observed. The dispensers were located above the tanks in the pea gravel backfill with no native soil present between the dispensers and the tanks, so no dispenser samples could be collected.

> Distribution: DATCP DNR Inspector Contractor Owner

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location &	S	ample Colle	ction Meth	od	Depth Below	Field Screening	GRO	DRO	
	Soll/Geologic Description	Grab	Shelby Tube	Direct Push	Split Spoon	Tank/Piping (feet)	Result (ppm)	(mg/kg)	(mg/kg)	
SS-1	NE Sidewall	×				6' - Side of Tank	0.4	NA	NA	
SS-2	N Center Sidewall	×				6' Side of Tank	0.5	NA	NA	
SS-3	NW Sidewall	×				6' Side of Tank	1.8	NA	NA	
SS-4	NW End	Ø				6.5' End of Tank	0.5	NA	NA	
SS-5	W Center End	×				6.5 End of Tank	0.8	NA	NA	
SS-6	S Center Sidewall	×				6.5 Side of Tank	0.5	NA	NA	
\$S-7	E Center End	Ø				6.5' End of Tank	0.9	NA	NA	
SS-8	NE End	Ø				6.5' End of Tank	1.8	NA	NA	
SS-9	SE Sidewall	Ø				6.5' Side of Tank	0.9	NA	NA	
SS-10	SE End	Ø				6.5' End of Tank	2.3	NA	NA	
SS-11	SW Sidewall	Ø				6.5' Side of tank	1.3	NA	NA	
	Soil: BR/Tan Si Clay w Gr/Cobbles									

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SS-1	<25	<25	<25	<25	<50	<75	<25
SS-2	<25	<25	<25	<25	<50	<75	<25
SS-3	<25	<25	<25	<25	<50	<75	<25
SS-4	<25	<25	<25	<25	109	<75	<25
SS-5	<25	<25	<25	<25	65J	75J	36 J
SS-6	<25	<25	<25	<25	<50	<75	<25
SS-7	<25	<25	<25	<25	<50	<75	<25
SS-8	<25	<25	<25	<25	<50	<75	<25
SS-9	<25	<25	<25	<25	<50	<75	<25
SS-10	<25	<25	<25	<25	<50	<75	<25
SS-11	<25	<25	<25	<25	<50	<75	<25
							

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	at there is no indication of a release of a regulated
substance to the environment.		
☐ Sampling at the site indicates there has been a rele	ease to the environment. Pursuant to Wis. Admin. Co.	de section ATCP 93.585 (2) (a) and Wis. Stats.
section 292.11 (2) (a), the owner or operator or contract	tor performing work under chapter ATCP 93 shall imn	nediately report any release of a regulated
substance to the Wisconsin Department of Natural Res		
each violation under Wis. Stats. Section 168.26 (5). Ea	ach day of continued violation and each tank are treated	ed as separate offenses.
	011191	
Beth Erdman	Keth II Lidn	467899
TANK-SYSTEM SITE ASSESSOR NAME (PRINT):	TANK-SYSTEM SITE ASSESSOR SIGNATURE	CERTIFICATION NO.

(608) 697 - 8004

10/22/2019 General Engineering Company

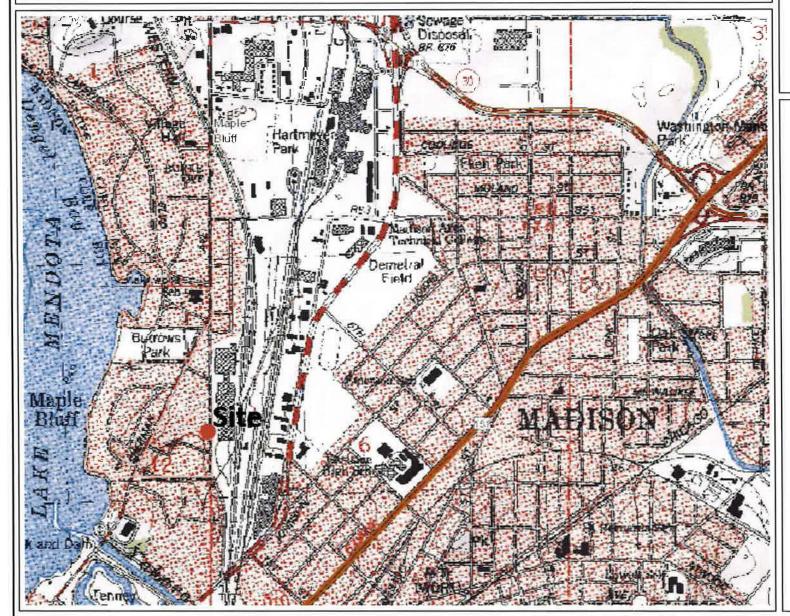
TANK-SYSTEM SITE ASSESSOR TELEPHONE NUMBER

DATE SIGNED COMPANY NAME

ATTACHMENT B SITE FIGURES/MAPS



Regional Site Location Map





Legend

0.5 0 0.25 0.5 Miles

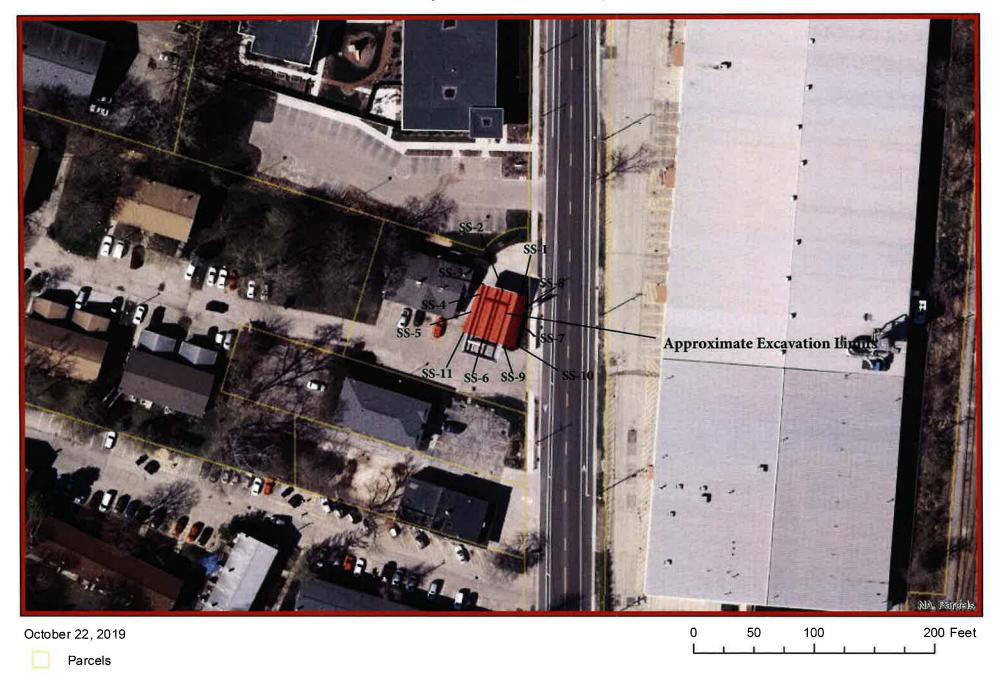
NAD_1983_HARN_Wisconsin_TM 1: 15,840

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made aregarding accuracy, applicability for a particular use, completemenss, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: http://dnr.wi.gov/org/legal/

Note: Not all sites are mapped.

Notes

Sample Location Map



N

Site Plan Map



N

ATTACHMENT C SITE PHOTOGRAPHS

UNDERGROUND STORAGE TANK SITE ASSESSMENT MADISON PANTRY, MADISON, DANE COUNTY, WI



Photograph of the 1st (northern) 8,000-gallon UL gasoline UST. Note water in the excavation.



Photograph of 2nd 8,000-gallon UL Gasoline UST following removal of the 1st. View looking east.

Portage

UNDERGROUND STORAGE TANK SITE ASSESSMENT MADISON PANTRY, MADISON, DANE COUNTY, WI



Photo of the 10,000-gallon UL Gasoline UST being removed. View looking northwest



Photo of the 1st (northern) 8,000-gallon UST following removal.



UNDERGROUND STORAGE TANK SITE ASSESSMENT MADISON PANTRY, MADISON, DANE COUNTY, WI



Photograph of the 2nd (center) 8,000-gallon UST being removed



Excavation following removal of the two, 8,000-gallon ASTs.



Portage

ATTACHMENT D ANALYTICAL RESULTS AND CHAIN OF CUSTODY

CHAIN OF STODY RECORD

Lab I.D. # QUOTE #:

Syliergy

Environmental Lab, Inc.

Chain #	No 41375
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Sample Handling Requ	uesi
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Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

LYNN BRADLEY GENERAL ENGINEERING 916 SILVER LAKE DRIVE PORTAGE. WI 53901

Report Date 18-Oct-19

Project Name SCHAPER

Project #

Lab Code 5036928A

Sample ID

Sample Date

SS-1 Sample Matrix Soil 10/8/2019

Invoice # E36928

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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.8	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8	3021	10/17/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8	3021	10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8	021	10/17/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8	021	10/17/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8	021	10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8	021	10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8	021	10/17/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8	021	10/17/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8	021	10/17/2019	CJR	1

Invoice # E36928

Project Name SCHAPER

Project #

Lab Code5036928BSample IDSS-2Sample MatrixSoilSample Date10/8/2019

•	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.0	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO9	5/8021	10/17/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO9	5/8021	10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO9	5/8021	10/17/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO9	5/8021	10/17/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO9	5/8021	10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO9	5/8021	10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO9	5/8021	10/17/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO9	5/8021	10/17/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO9	5/8021	10/17/2019	CJR	1

Lab Code5036928CSample IDSS-3Sample MatrixSoilSample Date10/8/2019

	•	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
(General										
	General										
	Solids Percent	83.2	%			1	5021		10/9/2019	NJC	1
(Organic										
	PVOC + Naphthalene										
	Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8	021	10/17/2019	CJR	1
	Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8	021	10/17/2019	CJR	1
	Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8	021	10/17/2019	CJR	1
	Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8	021	10/17/2019	CJR	1
	Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8	021	10/17/2019	CJR	1
	1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8	021	10/17/2019	CJR	1
	1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	I	GRO95/8	021	10/17/2019	CJR	1
	m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8	021	10/17/2019	CJR	1
	o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8	021	10/17/2019	CJR	1

Project Name SCHAPER Invoice # E36928

Project #

Lab Code5036928DSample IDSS-4Sample MatrixSoilSample Date10/8/2019

	Result	Unit	LOD	LOQ	Dil	Method F	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.2	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8021		10/17/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8021		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021		10/17/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8021		10/17/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8021		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	0.064	mg/kg	0.015	0.048	1	GRO95/8021		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	0.045	mg/kg	0.011	0.036	1	GRO95/8021		10/17/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8021		10/17/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8021		10/17/2019	CJR	1

Lab Code5036928ESample IDSS-5Sample MatrixSoilSample Date10/8/2019

•	Result	Unit	LOD	LOO	Dil	Method	Ext Date	Run Date	Analyst	Code
	resurt	Ome	ДОВ	LOQ	D11	Meniod	Ext Dute	Run Dute	rinaryst	Couc
General										
General										
Solids Percent	89.1	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8	021	10/17/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8	021	10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8	021	10/17/2019	CJR	1
Naphthalene	0.036	mg/kg	0.025	0.01	1	GRO95/8	021	10/17/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8	021	10/17/2019	CJR	1
1,2,4-Trimethylbenzene	0.037 "J"	mg/kg	0.015	0.048	1	GRO95/86	021	10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/86	021	10/17/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/80	021	10/17/2019	CJR	1
o-Xylene	0.0251 "J"	mg/kg	0.013	0.056	1	GRO95/80	021	10/17/2019	CJR	1

Invoice # E36928

Project Name SCHAPER Project #

Lab Code5036928FSample IDSS-6Sample MatrixSoilSample Date10/8/2019

•	Result	Unit	LOD	LOQ	Dil	N	1ethod	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent	91.5	%			1		5021		10/9/2019	NJC	1
Organic											
PVOC + Naphthalene											
Benzene	< 0.025	mg/kg	0.018	0.056	1		GRO95/8	021	10/17/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1		GRO95/8	021	10/17/2019	CJR	1.
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1		GRO95/8	021	10/17/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1		GRO95/8	021	10/17/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1		GRO95/8	021	10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1		GRO95/8	021	10/17/2019	CJR	1.
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1		GRO95/8	021	10/17/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1		GRO95/8	021	10/17/2019	CJR	1.
o-Xylene	< 0.025	mg/kg	0.013	0.056	1		GRO95/8	021	10/17/2019	CJR	1

Lab Code5036928GSample IDSS-7Sample MatrixSoilSample Date10/8/2019

Sample Date	10/0/2019	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code	
General General Solids Percent		87.6	%			1	5021		10/9/2019	NJC	1	
Organic												
PVOC + Naph	thalene											
Benzene		< 0.025	mg/kg	0.018	0.056	1	GRO95/8	3021	10/17/2019	CJR	1	
Ethylbenzene		< 0.025	mg/kg	0.015	0.047	1	GRO95/8	3021	10/17/2019	CJR	1	
Methyl tert-butyl eth	ner (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8	3021	10/17/2019	CJR	1	
Naphthalene		< 0.025	mg/kg	0.025	0.01	1	GRO95/8	3021	10/17/2019	CJR	1	
Toluene		< 0.025	mg/kg	0.013	0.055	1	GRO95/8	3021	10/17/2019	CJR	1	
1,2,4-Trimethylbenz	zene	< 0.025	mg/kg	0.015	0.048	I	GRO95/8	3021	10/17/2019	CJR	1	
1,3,5-Trimethylbenz	zene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8	3021	10/17/2019	CJR	1	
m&p-Xylene		< 0.05	mg/kg	0.026	0.083	Ĩ	GRO95/8	3021	10/17/2019	CJR	1	
o-Xylene		< 0.025	mg/kg	0.013	0.056	1	GRO95/8	3021	10/17/2019	CJR	1	

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Lab Code5036928HSample IDSS-8Sample MatrixSoilSample Date10/8/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8	021	10/17/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8	021	10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8	021	10/17/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8	021	10/17/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8	021	10/17/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8	021	10/17/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8	021	10/17/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8	021	10/17/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	I	GRO95/8	021	10/17/2019	CJR	1

Lab Code5036928ISample IDSS-9Sample MatrixSoilSample Date10/8/2019

•	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.1	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/80	021	10/18/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/86	021	10/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/80	021	10/18/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/80	021	10/18/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/80	021	10/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/80	021	10/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/80	021	10/18/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/80	021	10/18/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/80	021	10/18/2019	CJR	1

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Project #

Lab Code5036928JSample IDSS-10Sample MatrixSoilSample Date10/8/2019

•	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.4	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8	021	10/18/2019	CJR	1.
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8	021	10/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8	021	10/18/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8	021	10/18/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/86	021	10/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/80	021	10/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/80	021	10/18/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/80	021	10/18/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/80	021	10/18/2019	CJR	1

Lab Code5036928KSample IDSS-11Sample MatrixSoilSample Date10/8/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	81.0	%			1	5021		10/9/2019	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.018	0.056	1	GRO95/8	021	10/18/2019	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.015	0.047	1	GRO95/8	021	10/18/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.045	1	GRO95/8	021	10/18/2019	CJR	1
Naphthalene	< 0.025	mg/kg	0.025	0.01	1	GRO95/8	021	10/18/2019	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.055	1	GRO95/8	021	10/18/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8	021	10/18/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8	021	10/18/2019	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.026	0.083	1	GRO95/8	021	10/18/2019	CJR	1
o-Xylene	< 0.025	mg/kg	0.013	0.056	1	GRO95/8	021	10/18/2019	CJR	1

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Project #

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

Michaelplul

LOQ Limit of Quantitation

Code

Laboratory QC within limits.

Comment

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature