From: Joe Ramcheck <jramcheck@endeavorenv.com>
Sent: Monday, October 30, 2023 9:16 AM
To: Schmenk, Colin R -DNR
Cc: Mike Coonen
Subject: Re: Project Update - WI DOT Coonen Property (BRRTS No. 03-45-590408)

Colin
I am on the way to Billings MT. All probes were sampled at the bottom at bedrock interface

Pin will be installed in southeast portion of building, former store portion. From SE building corner, 12 feet west and 10 feet north.

Please look closely at the closed case prior to proposing wells. I want to avoid reinvestigating the closed case. Let me know if you would like to schedule a call to discuss.

Thanks,
Joe

From: Schmenk, Colin R -DNR <colinr.schmenk@wisconsin.gov>
Sent: Friday, October 20, 2023 1:40:52 PM
To: Joe Ramcheck <jramcheck@endeavorenv.com>
Cc: Mike Coonen <mcoonen3@gmail.com>
Subject: RE: Project Update - WI DOT Coonen Property (BRRTS No. 03-45-590408)

Thanks Joe.

I will review and get back to you. In the meantime could you provide me with the soil boring logs and a figure showing where you propose to install the vapor port?

Regarding the monitoring wells, I think groundwater monitoring will be needed due to the depth of some of these soil samples but I would like to see the boring logs to get a better idea of what we are looking at in the subsurface.

Thanks,
-Colin

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Colin Schmenk
Phone #: (920) 510-9482
ColinR.Schmenk@Wisconsin.gov

From: Joe Ramcheck <jramcheck@endeavorenv.com>
Sent: Friday, October 20, 2023 1:13 PM
To: Schmenk, Colin R -DNR <colinr.schmenk@wisconsin.gov>
Cc: Mike Coonen <mcoonen3@gmail.com>
Subject: Project Update - WI DOT Coonen Property (BRRTS No. 03-45-590408)

Colin:

Endeavor Environmental Services, Inc. (Endeavor) is providing the following information as a brief update of activities performed at the above site.

On July 21, 2023, Endeavor supervised the installation of seven Geoprobe soil borings (GP-1 thru GP-7) at the subject site to further evaluate site soil contaminant conditions and its potential impact to the site building. Figure 2 Illustrates the Boring Configuration. Soil borings were continuously sampled and extended to a maximum depth of 8.0 feet below ground surface (bgs) which was the bedrock interface. A total of fifteen soil samples were collected, preserved and submitted to Synergy Environmental Lab, LLC in Appleton, WI. Samples were analyzed for a combination of volatile organic compounds (VOCs) and petroleum volatile organic compounds (PVOCs) plus naphthalene. Table A.1. provides a summary of site soil analytical results. The soil sample laboratory analytical report is also attached to this update.

The property owner has been recently contacted by potential purchasers. Endeavor will expedite installation of a Vapor Pin in the southcentral portion of the convenience store. A sub-slab vapor sample will be collected and analyzed for PVOCs plus naphthalene to provide initial vapor data associated with the current site building.

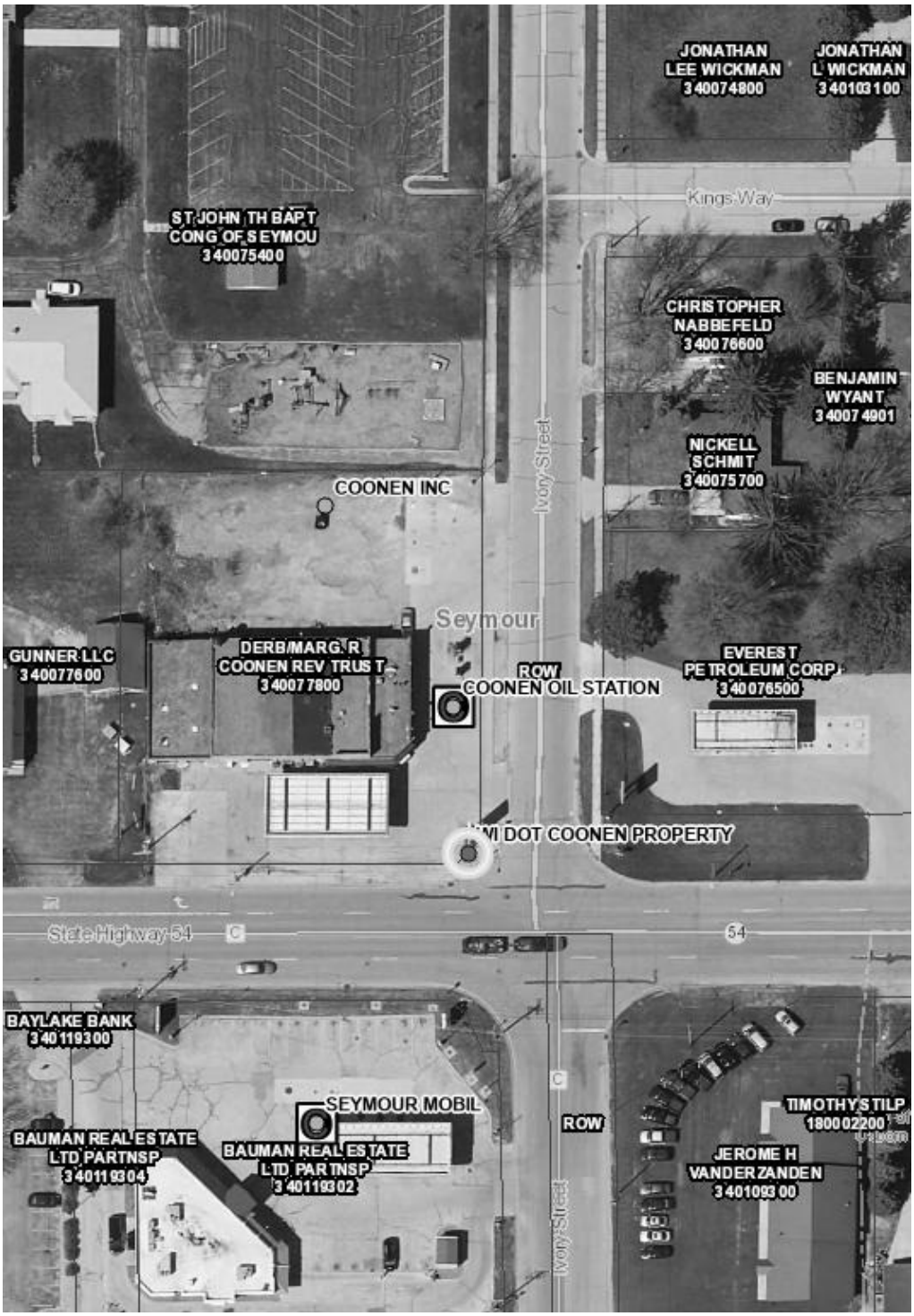
Boring activities have confirmed groundwater within site bedrock. Based upon a review of available information from closed case 03-45-213120, the dissolved contaminant plume associated with the closed case overlaps the recently investigated area. To avoid incurring the significant cost to install monitoring wells using bedrock methods, Endeavor would like to discuss the need, and if determined necessary, the number of wells which might be required.

Upon review, let me know when you may have time next week to discuss the initial findings and forthcoming activities.

Regards,
Joe

Joseph M. Ramcheck, P.H.
President/Senior Hydrologist
Endeavor Environmental Services, Inc.
2280-B Salscheider Court
Green Bay, WI 54313
Office: (920) 437-2997
Fax: (920) 437-3066
Cellular: (920) 737-5313
E-mail: jramcheck@endeavorenv.com

FIGURE 1 - SITE LOCATION



Legend

- Open Site
- Closed Site
- Continuing Obligations Apply
- Impacted Another Property(ies) or Ri
- County Tax Parcels
- Railroads

0.0 0 0.0 Miles

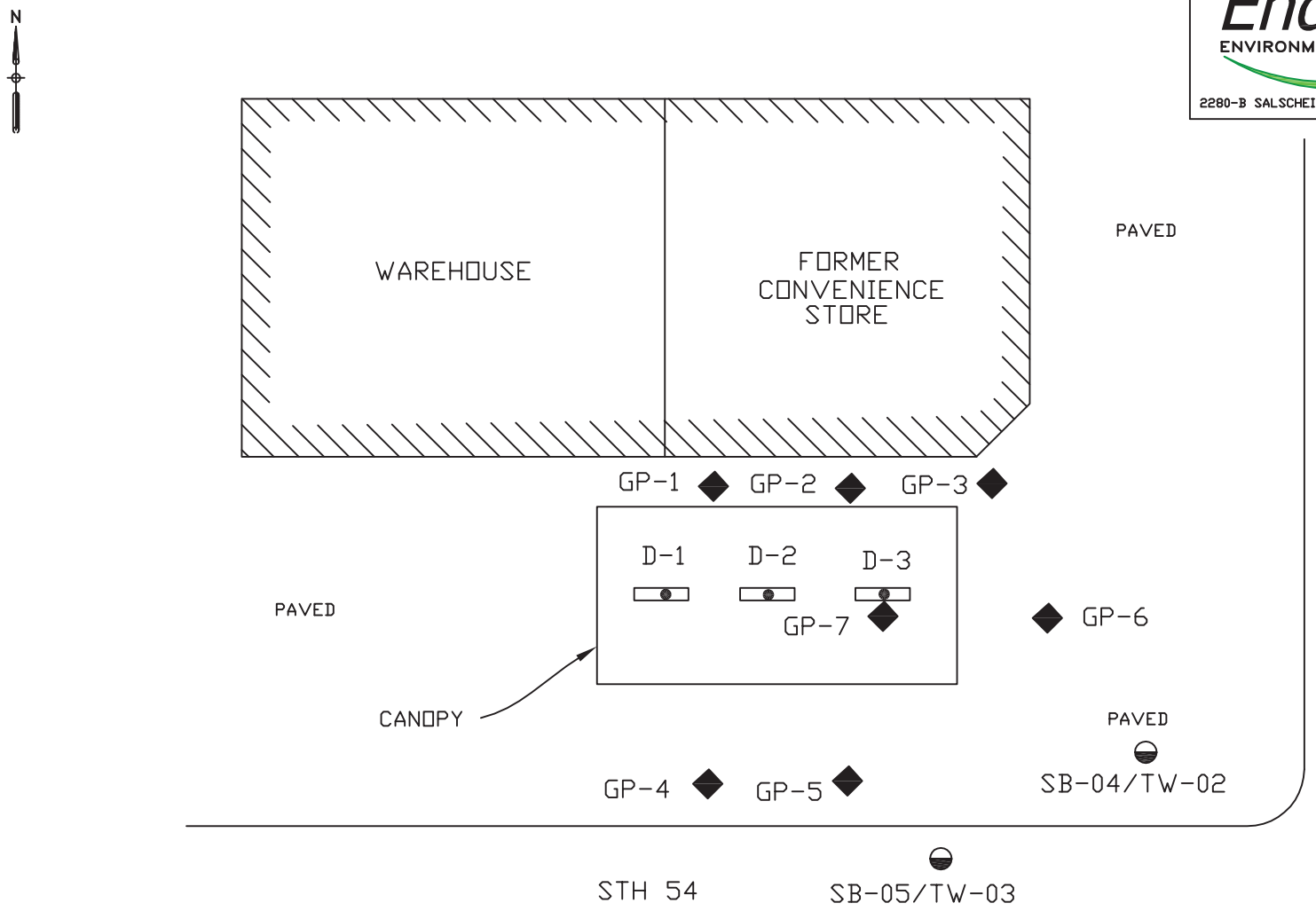
1: 990

NAD_1983_HARN_Wisconsin_TM

Note: Not all sites are mapped.

Notes

Endeavor
ENVIRONMENTAL SERVICES, INC.
2280-B SALSCHEIDER COURT, GREEN BAY, WI 54313



LEGEND

- SITE ASSESSMENT SAMPLE LOCATION (REI)
- DISPENSER
- GEOPROBE SOIL BORING
- PHASE 2.5 BORING LOCATION (BAY WEST)

FIGURE 2
BORING CONFIGURATION
WI DOT COONEN PROPERTY
SEYMOUR, WISCONSIN

SCALE	SHEET NO.	DWG NO.	DATE	SIZE	DRWN BY	FILE	REVISED	DATE
1" = 30'	1 OF 1	P223065.41.2.1	8/9/23	A	SVO	634	SV	8/9/23

Table 1
Soil Analytical Results
WI DOT - Coonen Porperty
Seymour, Wisconsin

Sample ID	Sample Date	Sample Depth (feet bgs)	PID (ppm eq)	Benzene	Ethyl-benzene	Toluene	Total Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Naphthalene	4-Isopropyltoluene	Hexachloro-butadine	n-Butylbenzene	n-Propylbenzene
D-1	10/27/2022	4.0	20.2	<15.2	<15.2	<16.1	<46.2	20.5 J	<20.6	<18.8	<20.0	-	-	-	-
D-2	10/27/2022	4.0	77.3	<15.5	25.8	<16.4	142.1 J	105.0	29.6 J	<19.1	<20.3	-	-	-	-
D-3	10/27/2022	6.0	1,186.0	**210.0 J**	**45,400**	**22,200**	**331,700**	**200,000**	**47,100**	<215.0	**17,400**	-	-	-	-
D-4	10/27/2022	4.0	10.1	<16.0	<16.0	<16.9	<48.4	<20.0	<21.6	<19.7	<20.9	-	-	-	-
D-5	10/27/2022	4.0	11.2	<15.5	<15.5	<16.4	<46.9	<19.4	<20.9	<19.1	<20.3	-	-	-	-
P-1	10/27/2022	3.5	60.2	<16.5	<16.5	<17.5	35.2 J	<20.7	<22.4	<20.4	21.7	-	-	-	-
P-2	10/27/2023	3.5	240.1	29.5	178.0	43.7 J	154.7 J	334.0	37.1 J	<20.8	<43.7 J	-	-	-	-
P-3	10/27/2023	3.5	13.0	<14.5	<14.5	<18.0	<44.1	<18.2	<19.7	<18.0	<19.1	-	-	-	-
P-4	10/27/2023	3.5	9.4	<15.5	<15.5	<16.4	<47.1	<19.4	<21.0	<19.2	<20.3	-	-	-	-
P-5	10/27/2023	3.5	9.1	<17.4	<17.4	18.4	<52.7	<21.8	<23.5	<21.5	<22.8	-	-	-	-
P-6	10/27/2023	3.5	9.6	<15.9	<15.9	<16.9	<48.4	<20.0	<21.6	<19.7	<20.9	-	-	-	-
SB-02	9/29/2021	6.0 - 8.0	73.8	<32.8	<82.1	<82.1	<246.1	<82.1	<82.1	<82.1	<410.0	<82.1	<410.0	<82.1	22.0 J
SB-03	9/29/2021	2.0 - 4.0	71.3	<25.6	<64.0	<64.0	<192	<64.0	<64.0	<64.0	<320.0	<64.0	<320.0	<64.0	<64.0
SB-04	9/29/2021	2.0 - 4.0	156.6	<25.6	<66.4	<66.4	<199.4	<66.4	<66.4	<66.4	<332.0	<66.4	<332.0	<66.4	<66.4
SB-04	9/29/2021	6.0 -7.0	15,000	**70.3**	<67.0	<67.0	<201.0	<67.0	<67.0	<67.0	<335.0	<67.0	<335.0	<67.0	<67.0
SB-05	9/29/2021	4.0 - 6.0	218.1	<27.1	95.1	<67.6	<202.6	<67.6	<67.6	<67.6	<338.0	<67.6	<338.0	<67.6	<94.2
SB-05	9/29/2023	6.0 - 7.0	15,000	**709**	**16,600**	**1,830**	**42,300**	**54,700**	**13,100**	<536	**6,180**	814	<2680	6,760	10,200
SB-06	9/29/2023	2.0 - 3.0	15,000	<27.5	<68.7	<68.7	<205.7	<68.7	<68.7	<68.7	<344.0	<68.7	<344.0	<68.7	<68.7
SB-06	9/29/2023	4.0 - 6.0	15,000	<27.1	<67.8	<67.8	<203.8	<67.8	<67.8	<67.8	<339.0	<67.8	<339.0	<67.8	<67.8
SB-07	9/29/2023	2.0 -3.0	35.2	<26.1	<65.3	<65.3	<196.3	<65.3	<65.3	<65.3	<327.0	<65.3	<327.0	<65.3	<65.3
GP-1, S-2	7/21/2023	2.0 - 4. 0	2.1	<25	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-1, S-4	7/21/2023	5.0 - 6.5	3.1	**28.4**	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-2, S-2	7/21/2023	2.0 - 4.0	1.9	<25	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-2, S-4	7/21/2023	5.0 - 7.0	19.1	**134**	56	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-3, S-2	7/21/2023	2.0 - 4.0	21.5	<25	<23	<31	<92	<35	<31	<36	<120	-	<100	<29	<25
GP-3, S-4	7/21/2023	5.0 - 7.5	877	**1,970 J**	**19,400**	**5,900 J**	**89,400 J**	**68,000.0**	**20,300**	<1800	<6000	-	<5000	5,500 J	10,800
GP-4, S-2	7/21/2023	2.0 - 4.0	4.7	**37**	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-4, S-4	7/21/2023	5.0 - 7.0	43.5	**49**	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-4, S-5	7/21/2023	7.0 - 8.0	15.2	<25	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-5, S-2	7/21/2023	2.0 - 4.0	47.1	<25	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-5, S-3	7/21/2023	4.0 - 5.0	1,392	**7,900**	**24,800**	**42,000**	**133,000**	**72,000**	**22,300**	<125	7,500	-	-	-	-
GP-5, S-4	7/21/2023	5.0 - 7.0	1,932	**7,300**	**18,200**	**68,000**	**102,700**	**45,000**	**13,900**	<25	**4,400**	-	-	-	-
GP-6, S-2	7/21/2023	2.0 - 4.0	40.5	<25	<25	<25	<75	<25	<25	<25	<25	-	-	-	-
GP-6, S-5	7/21/2023	7.0 - 7.5	3,062	**5,100 J**	**33,000**	**86,000**	**175,000**	**84,000**	**27,500**	<3,600	<12,000	-	<10,000	8,100 J	14,300
GP-7, S-5	7/21/2023	6.0 - 7.0	1,201	**11,100**	**4,800**	**14,200**	**25,600**	**13,000**	**3,900**	**<36.0**	**1,370**	-	<100.0	1,160	2,040
Groundwater pathway RCLs				5.1	1,570	1,107	3,960	1,382		27	658.2	-	-	-	-
Non-industrial direct contact RCLs				1,600	8,020	818,000	260,000	219,000	182,000	63,800	5,520	162,000	7,190	108,000	264,000

Notes:
Bold value represents an exceedence of its respective Calculated RCL (groundwater protection)
Italic value represents an exceedence of its respective Calculated RCL (Non-industrial direct contact)
Calculated RCLs were found on the WDNR on-line RCL Spreadsheet updated December 2018.
All concentrations reported are in parts per billion (ug/kg)
bgs: below ground surface
PID: photoionization detector
ppm eq: parts per million equivalent
TMB: trimethylbenzene
MTBE: methyl t-butyl ether
- not analyzed

Synergy Environmental Lab, LLC.

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

JOSEPH RAMCHECK
ENDEAVOR ENV. SERVICES, INC.
2280-B SALSCHEIDER CT
GREEN BAY, WI 54313

Report Date *09-Aug-23*

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710A
Sample ID GP-1, S-2
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.8	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0055	0.021	1	GRO95/8021		8/3/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/3/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/3/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/3/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/3/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/3/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/3/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/3/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/3/2023	ZJW	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710B
Sample ID GP-1, S-4
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.2	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.0284	mg/kg	0.0055	0.021	1	GRO95/8021		8/3/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/3/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/3/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/3/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/3/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/3/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/3/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/3/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/3/2023	ZJW	1

Lab Code 5042710C
Sample ID GP-2, S-2
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.1	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0055	0.021	1	GRO95/8021		8/3/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/3/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/3/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/3/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/3/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/3/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/3/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/3/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/3/2023	ZJW	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710D
Sample ID GP-2, S-4
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.134	mg/kg	0.0055	0.021	1	GRO95/8021		8/3/2023	ZJW	1
Ethylbenzene	0.056	mg/kg	0.011	0.042	1	GRO95/8021		8/3/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/3/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/3/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/3/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/3/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/3/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/3/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/3/2023	ZJW	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710E
Sample ID GP-3, S-2
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.0	%			1	5021		7/25/2023	NJC	1
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		7/27/2023	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		7/27/2023	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		7/27/2023	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		7/27/2023	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		7/27/2023	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		7/27/2023	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/27/2023	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		7/27/2023	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		7/27/2023	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		7/27/2023	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		7/27/2023	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		7/27/2023	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		7/27/2023	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		7/27/2023	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		7/27/2023	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		7/27/2023	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		7/27/2023	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		7/27/2023	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		7/27/2023	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		7/27/2023	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/27/2023	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		7/27/2023	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		7/27/2023	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/27/2023	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		7/27/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		7/27/2023	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		7/27/2023	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		7/27/2023	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		7/27/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		7/27/2023	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		7/27/2023	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		7/27/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		7/27/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710E
Sample ID GP-3, S-2
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		7/27/2023	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		7/27/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		7/27/2023	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		7/27/2023	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		7/27/2023	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		7/27/2023	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		7/27/2023	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		7/27/2023	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		7/27/2023	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		7/27/2023	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
SUR - 1,2-Dichloroethane-d4	105	Rec %			1	8260B		7/27/2023	CJR	1
SUR - 4-Bromofluorobenzene	111	Rec %			1	8260B		7/27/2023	CJR	1
SUR - Dibromofluoromethane	109	Rec %			1	8260B		7/27/2023	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		7/27/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710F
Sample ID GP-3, S-4
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.1	%			1	5021		7/25/2023	NJC	1
Organic										
VOC's										
Benzene	1.97 "J"	mg/kg	1.25	5	50	8260B		7/29/2023	CJR	1
Bromobenzene	< 2	mg/kg	2	8	50	8260B		7/29/2023	CJR	1
Bromodichloromethane	< 2.3	mg/kg	2.3	9.5	50	8260B		7/29/2023	CJR	1
Bromoform	< 1.75	mg/kg	1.75	7	50	8260B		7/29/2023	CJR	1
tert-Butylbenzene	< 1.65	mg/kg	1.65	7	50	8260B		7/29/2023	CJR	1
sec-Butylbenzene	< 1.5	mg/kg	1.5	6	50	8260B		7/29/2023	CJR	1
n-Butylbenzene	5.5 "J"	mg/kg	1.45	6	50	8260B		7/29/2023	CJR	1
Carbon Tetrachloride	< 1.6	mg/kg	1.6	6.5	50	8260B		7/29/2023	CJR	1
Chlorobenzene	< 1.35	mg/kg	1.35	5.5	50	8260B		7/29/2023	CJR	1
Chloroethane	< 5	mg/kg	5	20.5	50	8260B		7/29/2023	CJR	1
Chloroform	< 1.6	mg/kg	1.6	6.5	50	8260B		7/29/2023	CJR	1
Chloromethane	< 3.2	mg/kg	3.2	13	50	8260B		7/29/2023	CJR	1
2-Chlorotoluene	< 1.7	mg/kg	1.7	7	50	8260B		7/29/2023	CJR	1
4-Chlorotoluene	< 1.55	mg/kg	1.55	6.5	50	8260B		7/29/2023	CJR	1
1,2-Dibromo-3-chloropropane	< 2.75	mg/kg	2.75	11	50	8260B		7/29/2023	CJR	1
Dibromochloromethane	< 1.9	mg/kg	1.9	8	50	8260B		7/29/2023	CJR	1
1,4-Dichlorobenzene	< 1.75	mg/kg	1.75	7	50	8260B		7/29/2023	CJR	1
1,3-Dichlorobenzene	< 1.8	mg/kg	1.8	7.5	50	8260B		7/29/2023	CJR	1
1,2-Dichlorobenzene	< 1.3	mg/kg	1.3	5.5	50	8260B		7/29/2023	CJR	1
Dichlorodifluoromethane	< 2.3	mg/kg	2.3	9.5	50	8260B		7/29/2023	CJR	1
1,2-Dichloroethane	< 2.1	mg/kg	2.1	8.5	50	8260B		7/29/2023	CJR	1
1,1-Dichloroethane	< 1.65	mg/kg	1.65	6.5	50	8260B		7/29/2023	CJR	1
1,1-Dichloroethene	< 2.45	mg/kg	2.45	10	50	8260B		7/29/2023	CJR	1
cis-1,2-Dichloroethene	< 1.35	mg/kg	1.35	5.5	50	8260B		7/29/2023	CJR	1
trans-1,2-Dichloroethene	< 1.5	mg/kg	1.5	6	50	8260B		7/29/2023	CJR	1
1,2-Dichloropropane	< 2	mg/kg	2	8	50	8260B		7/29/2023	CJR	1
1,3-Dichloropropane	< 1.55	mg/kg	1.55	6.5	50	8260B		7/29/2023	CJR	1
trans-1,3-Dichloropropene	< 1.35	mg/kg	1.35	5.5	50	8260B		7/29/2023	CJR	1
cis-1,3-Dichloropropene	< 1.75	mg/kg	1.75	7	50	8260B		7/29/2023	CJR	1
Di-isopropyl ether	< 1.4	mg/kg	1.4	5.5	50	8260B		7/29/2023	CJR	1
EDB (1,2-Dibromoethane)	< 1.25	mg/kg	1.25	5	50	8260B		7/29/2023	CJR	1
Ethylbenzene	19.4	mg/kg	1.15	4.8	50	8260B		7/29/2023	CJR	1
Hexachlorobutadiene	< 5	mg/kg	5	21	50	8260B		7/29/2023	CJR	1
Isopropylbenzene	2.76 "J"	mg/kg	1.75	7	50	8260B		7/29/2023	CJR	1
p-Isopropyltoluene	< 1.5	mg/kg	1.5	6	50	8260B		7/29/2023	CJR	1
Methylene chloride	< 5	mg/kg	5	21	50	8260B		7/29/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.8	mg/kg	1.8	7.5	50	8260B		7/29/2023	CJR	1
Naphthalene	< 6	mg/kg	6	19	50	8260B		7/29/2023	CJR	1
n-Propylbenzene	10.8	mg/kg	1.25	5	50	8260B		7/29/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 1.5	mg/kg	1.5	6	50	8260B		7/29/2023	CJR	1
1,1,1,2-Tetrachloroethane	< 2.05	mg/kg	2.05	8.5	50	8260B		7/29/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710F
Sample ID GP-3, S-4
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Tetrachloroethene	< 1.95	mg/kg	1.95	8	50	8260B		7/29/2023	CJR	1
Toluene	5.9 "J"	mg/kg	1.55	6.5	50	8260B		7/29/2023	CJR	1
1,2,4-Trichlorobenzene	< 2.25	mg/kg	2.25	9	50	8260B		7/29/2023	CJR	1
1,2,3-Trichlorobenzene	< 9	mg/kg	9	28	50	8260B		7/29/2023	CJR	1
1,1,1-Trichloroethane	< 1.5	mg/kg	1.5	6	50	8260B		7/29/2023	CJR	1
1,1,2-Trichloroethane	< 1.85	mg/kg	1.85	7.5	50	8260B		7/29/2023	CJR	1
Trichloroethene (TCE)	< 1.95	mg/kg	1.95	8	50	8260B		7/29/2023	CJR	1
Trichlorofluoromethane	< 3.3	mg/kg	3.3	13.5	50	8260B		7/29/2023	CJR	1
1,2,4-Trimethylbenzene	68	mg/kg	1.75	7	50	8260B		7/29/2023	CJR	1
1,3,5-Trimethylbenzene	20.3	mg/kg	1.55	6.5	50	8260B		7/29/2023	CJR	1
Vinyl Chloride	< 1.8	mg/kg	1.8	7.5	50	8260B		7/29/2023	CJR	1
m&p-Xylene	67	mg/kg	3.1	12.5	50	8260B		7/29/2023	CJR	1
o-Xylene	22.4	mg/kg	1.5	6	50	8260B		7/29/2023	CJR	1
SUR - 1,2-Dichloroethane-d4	110	Rec %			50	8260B		7/29/2023	CJR	1
SUR - 4-Bromofluorobenzene	118	Rec %			50	8260B		7/29/2023	CJR	1
SUR - Dibromofluoromethane	113	Rec %			50	8260B		7/29/2023	CJR	1
SUR - Toluene-d8	106	Rec %			50	8260B		7/29/2023	CJR	1

Lab Code 5042710G
Sample ID GP-4, S-2
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.037	mg/kg	0.0055	0.021	1	GRO95/8021		8/3/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/3/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/3/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/3/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/3/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/3/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/3/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/3/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/3/2023	ZJW	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710H
Sample ID GP-4, S-4
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.1	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	0.049	mg/kg	0.0055	0.021	1	GRO95/8021		8/3/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/3/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/3/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/3/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/3/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/3/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/3/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/3/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/3/2023	ZJW	1

Lab Code 5042710I
Sample ID GP-4, S-5
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.0	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0055	0.021	1	GRO95/8021		8/4/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/4/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/4/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/4/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/4/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/4/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/4/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/4/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/4/2023	ZJW	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710J
Sample ID GP-5, S-2
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0055	0.021	1	GRO95/8021		8/4/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/4/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/4/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/4/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/4/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/4/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/4/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/4/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/4/2023	ZJW	1

Lab Code 5042710K
Sample ID GP-5, S-3
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.2	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	7.9	mg/kg	0.0275	0.105	5	GRO95/8021		8/4/2023	ZJW	1
Ethylbenzene	24.8	mg/kg	0.055	0.21	5	GRO95/8021		8/4/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.125	mg/kg	0.07	0.27	5	GRO95/8021		8/4/2023	ZJW	1
Naphthalene	7.5	mg/kg	0.06	0.23	5	GRO95/8021		8/4/2023	ZJW	1
Toluene	42	mg/kg	0.055	0.22	5	GRO95/8021		8/4/2023	ZJW	1
1,2,4-Trimethylbenzene	72	mg/kg	0.08	0.3	5	GRO95/8021		8/4/2023	ZJW	1
1,3,5-Trimethylbenzene	22.3	mg/kg	0.08	0.315	5	GRO95/8021		8/4/2023	ZJW	1
m&p-Xylene	96	mg/kg	0.135	0.5	5	GRO95/8021		8/4/2023	ZJW	1
o-Xylene	37	mg/kg	0.055	0.205	5	GRO95/8021		8/4/2023	ZJW	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710L
Sample ID GP-5, S-4
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.2	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	7.3	mg/kg	0.055	0.21	10	GRO95/8021		8/8/2023	ZJW	1
Ethylbenzene	18.2	mg/kg	0.11	0.42	10	GRO95/8021		8/8/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.25	mg/kg	0.14	0.54	10	GRO95/8021		8/8/2023	ZJW	1
Naphthalene	4.4	mg/kg	0.12	0.46	10	GRO95/8021		8/8/2023	ZJW	1
Toluene	68	mg/kg	0.11	0.44	10	GRO95/8021		8/8/2023	ZJW	1
1,2,4-Trimethylbenzene	45	mg/kg	0.16	0.6	10	GRO95/8021		8/8/2023	ZJW	1
1,3,5-Trimethylbenzene	13.9	mg/kg	0.16	0.63	10	GRO95/8021		8/8/2023	ZJW	1
m&p-Xylene	72	mg/kg	0.27	1	10	GRO95/8021		8/8/2023	ZJW	1
o-Xylene	30.7	mg/kg	0.11	0.41	10	GRO95/8021		8/8/2023	ZJW	1

Lab Code 5042710M
Sample ID GP-6, S-2
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.3	%			1	5021		7/25/2023	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0055	0.021	1	GRO95/8021		8/4/2023	ZJW	1
Ethylbenzene	< 0.025	mg/kg	0.011	0.042	1	GRO95/8021		8/4/2023	ZJW	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.014	0.054	1	GRO95/8021		8/4/2023	ZJW	1
Naphthalene	< 0.025	mg/kg	0.012	0.046	1	GRO95/8021		8/4/2023	ZJW	1
Toluene	< 0.025	mg/kg	0.011	0.044	1	GRO95/8021		8/4/2023	ZJW	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.016	0.06	1	GRO95/8021		8/4/2023	ZJW	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.016	0.063	1	GRO95/8021		8/4/2023	ZJW	1
m&p-Xylene	< 0.05	mg/kg	0.027	0.1	1	GRO95/8021		8/4/2023	ZJW	1
o-Xylene	< 0.025	mg/kg	0.011	0.041	1	GRO95/8021		8/4/2023	ZJW	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710N
Sample ID GP-6, S-5
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.7	%			1	5021		7/25/2023	NJC	1
Organic										
VOC's										
Benzene	5.1 "J"	mg/kg	2.5	10	100	8260B		7/29/2023	CJR	1
Bromobenzene	< 4	mg/kg	4	16	100	8260B		7/29/2023	CJR	1
Bromodichloromethane	< 4.6	mg/kg	4.6	19	100	8260B		7/29/2023	CJR	1
Bromoform	< 3.5	mg/kg	3.5	14	100	8260B		7/29/2023	CJR	1
tert-Butylbenzene	< 3.3	mg/kg	3.3	14	100	8260B		7/29/2023	CJR	1
sec-Butylbenzene	< 3	mg/kg	3	12	100	8260B		7/29/2023	CJR	1
n-Butylbenzene	8.1 "J"	mg/kg	2.9	12	100	8260B		7/29/2023	CJR	1
Carbon Tetrachloride	< 3.2	mg/kg	3.2	13	100	8260B		7/29/2023	CJR	1
Chlorobenzene	< 2.7	mg/kg	2.7	11	100	8260B		7/29/2023	CJR	1
Chloroethane	< 10	mg/kg	10	41	100	8260B		7/29/2023	CJR	1
Chloroform	< 3.2	mg/kg	3.2	13	100	8260B		7/29/2023	CJR	1
Chloromethane	< 6.4	mg/kg	6.4	26	100	8260B		7/29/2023	CJR	1
2-Chlorotoluene	< 3.4	mg/kg	3.4	14	100	8260B		7/29/2023	CJR	1
4-Chlorotoluene	< 3.1	mg/kg	3.1	13	100	8260B		7/29/2023	CJR	1
1,2-Dibromo-3-chloropropane	< 5.5	mg/kg	5.5	22	100	8260B		7/29/2023	CJR	1
Dibromochloromethane	< 3.8	mg/kg	3.8	16	100	8260B		7/29/2023	CJR	1
1,4-Dichlorobenzene	< 3.5	mg/kg	3.5	14	100	8260B		7/29/2023	CJR	1
1,3-Dichlorobenzene	< 3.6	mg/kg	3.6	15	100	8260B		7/29/2023	CJR	1
1,2-Dichlorobenzene	< 2.6	mg/kg	2.6	11	100	8260B		7/29/2023	CJR	1
Dichlorodifluoromethane	< 4.6	mg/kg	4.6	19	100	8260B		7/29/2023	CJR	1
1,2-Dichloroethane	< 4.2	mg/kg	4.2	17	100	8260B		7/29/2023	CJR	1
1,1-Dichloroethane	< 3.3	mg/kg	3.3	13	100	8260B		7/29/2023	CJR	1
1,1-Dichloroethene	< 4.9	mg/kg	4.9	20	100	8260B		7/29/2023	CJR	1
cis-1,2-Dichloroethene	< 2.7	mg/kg	2.7	11	100	8260B		7/29/2023	CJR	1
trans-1,2-Dichloroethene	< 3	mg/kg	3	12	100	8260B		7/29/2023	CJR	1
1,2-Dichloropropane	< 4	mg/kg	4	16	100	8260B		7/29/2023	CJR	1
1,3-Dichloropropane	< 3.1	mg/kg	3.1	13	100	8260B		7/29/2023	CJR	1
trans-1,3-Dichloropropene	< 2.7	mg/kg	2.7	11	100	8260B		7/29/2023	CJR	1
cis-1,3-Dichloropropene	< 3.5	mg/kg	3.5	14	100	8260B		7/29/2023	CJR	1
Di-isopropyl ether	< 2.8	mg/kg	2.8	11	100	8260B		7/29/2023	CJR	1
EDB (1,2-Dibromoethane)	< 2.5	mg/kg	2.5	10	100	8260B		7/29/2023	CJR	1
Ethylbenzene	33	mg/kg	2.3	9.6	100	8260B		7/29/2023	CJR	1
Hexachlorobutadiene	< 10	mg/kg	10	42	100	8260B		7/29/2023	CJR	1
Isopropylbenzene	< 3.5	mg/kg	3.5	14	100	8260B		7/29/2023	CJR	1
p-Isopropyltoluene	< 3	mg/kg	3	12	100	8260B		7/29/2023	CJR	1
Methylene chloride	< 10	mg/kg	10	42	100	8260B		7/29/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 3.6	mg/kg	3.6	15	100	8260B		7/29/2023	CJR	1
Naphthalene	< 12	mg/kg	12	38	100	8260B		7/29/2023	CJR	1
n-Propylbenzene	14.3	mg/kg	2.5	10	100	8260B		7/29/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 3	mg/kg	3	12	100	8260B		7/29/2023	CJR	1
1,1,1,2-Tetrachloroethane	< 4.1	mg/kg	4.1	17	100	8260B		7/29/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710N
Sample ID GP-6, S-5
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Tetrachloroethene	< 3.9	mg/kg	3.9	16	100	8260B		7/29/2023	CJR	1
Toluene	86	mg/kg	3.1	13	100	8260B		7/29/2023	CJR	1
1,2,4-Trichlorobenzene	< 4.5	mg/kg	4.5	18	100	8260B		7/29/2023	CJR	1
1,2,3-Trichlorobenzene	< 18	mg/kg	18	56	100	8260B		7/29/2023	CJR	1
1,1,1-Trichloroethane	< 3	mg/kg	3	12	100	8260B		7/29/2023	CJR	1
1,1,2-Trichloroethane	< 3.7	mg/kg	3.7	15	100	8260B		7/29/2023	CJR	1
Trichloroethene (TCE)	< 3.9	mg/kg	3.9	16	100	8260B		7/29/2023	CJR	1
Trichlorofluoromethane	< 6.6	mg/kg	6.6	27	100	8260B		7/29/2023	CJR	1
1,2,4-Trimethylbenzene	84	mg/kg	3.5	14	100	8260B		7/29/2023	CJR	1
1,3,5-Trimethylbenzene	27.5	mg/kg	3.1	13	100	8260B		7/29/2023	CJR	1
Vinyl Chloride	< 3.6	mg/kg	3.6	15	100	8260B		7/29/2023	CJR	1
m&p-Xylene	127	mg/kg	6.2	25	100	8260B		7/29/2023	CJR	1
o-Xylene	44	mg/kg	3	12	100	8260B		7/29/2023	CJR	1
SUR - 1,2-Dichloroethane-d4	100	Rec %			100	8260B		7/29/2023	CJR	1
SUR - 4-Bromofluorobenzene	112	Rec %			100	8260B		7/29/2023	CJR	1
SUR - Dibromofluoromethane	117	Rec %			100	8260B		7/29/2023	CJR	1
SUR - Toluene-d8	109	Rec %			100	8260B		7/29/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710O
Sample ID GP-7, S-5
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.2	%			1	5021		7/25/2023	NJC	1
Organic										
VOC's										
Benzene	1.11	mg/kg	0.025	0.1	1	8260B		7/27/2023	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		7/27/2023	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		7/27/2023	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		7/27/2023	CJR	1
sec-Butylbenzene	0.247	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
n-Butylbenzene	1.16	mg/kg	0.029	0.12	1	8260B		7/27/2023	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		7/27/2023	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/27/2023	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		7/27/2023	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		7/27/2023	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		7/27/2023	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		7/27/2023	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		7/27/2023	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		7/27/2023	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		7/27/2023	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		7/27/2023	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		7/27/2023	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		7/27/2023	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		7/27/2023	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		7/27/2023	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		7/27/2023	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/27/2023	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		7/27/2023	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		7/27/2023	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/27/2023	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		7/27/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		7/27/2023	CJR	1
Ethylbenzene	4.8	mg/kg	0.023	0.096	1	8260B		7/27/2023	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		7/27/2023	CJR	1
Isopropylbenzene	0.53	mg/kg	0.035	0.14	1	8260B		7/27/2023	CJR	1
p-Isopropyltoluene	0.129	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		7/27/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		7/27/2023	CJR	1
Naphthalene	1.37	mg/kg	0.12	0.38	1	8260B		7/27/2023	CJR	1
n-Propylbenzene	2.04	mg/kg	0.025	0.1	1	8260B		7/27/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		7/27/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710O
Sample ID GP-7, S-5
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		7/27/2023	CJR	1
Toluene	14.2	mg/kg	0.31	1.3	10	8260B		7/29/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		7/27/2023	CJR	1
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		7/27/2023	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		7/27/2023	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		7/27/2023	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		7/27/2023	CJR	1
1,2,4-Trimethylbenzene	13	mg/kg	0.35	1.4	10	8260B		7/29/2023	CJR	1
1,3,5-Trimethylbenzene	3.9	mg/kg	0.031	0.13	1	8260B		7/27/2023	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		7/27/2023	CJR	1
m&p-Xylene	18.2	mg/kg	0.062	0.25	1	8260B		7/27/2023	CJR	1
o-Xylene	7.4	mg/kg	0.03	0.12	1	8260B		7/27/2023	CJR	1
SUR - 1,2-Dichloroethane-d4	107	Rec %			1	8260B		7/27/2023	CJR	1
SUR - 4-Bromofluorobenzene	111	Rec %			1	8260B		7/27/2023	CJR	1
SUR - Dibromofluoromethane	111	Rec %			1	8260B		7/27/2023	CJR	1
SUR - Toluene-d8	107	Rec %			1	8260B		7/27/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710P
Sample ID MEOH BLANK
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.025	mg/kg	0.025	0.1	1	8260B		7/26/2023	CJR	1
Bromobenzene	< 0.04	mg/kg	0.04	0.16	1	8260B		7/26/2023	CJR	1
Bromodichloromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		7/26/2023	CJR	1
Bromoform	< 0.035	mg/kg	0.035	0.14	1	8260B		7/26/2023	CJR	1
tert-Butylbenzene	< 0.033	mg/kg	0.033	0.14	1	8260B		7/26/2023	CJR	1
sec-Butylbenzene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/26/2023	CJR	1
n-Butylbenzene	< 0.029	mg/kg	0.029	0.12	1	8260B		7/26/2023	CJR	1
Carbon Tetrachloride	< 0.032	mg/kg	0.032	0.13	1	8260B		7/26/2023	CJR	1
Chlorobenzene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/26/2023	CJR	1
Chloroethane	< 0.1	mg/kg	0.1	0.41	1	8260B		7/26/2023	CJR	1
Chloroform	< 0.032	mg/kg	0.032	0.13	1	8260B		7/26/2023	CJR	1
Chloromethane	< 0.064	mg/kg	0.064	0.26	1	8260B		7/26/2023	CJR	1
2-Chlorotoluene	< 0.034	mg/kg	0.034	0.14	1	8260B		7/26/2023	CJR	1
4-Chlorotoluene	< 0.031	mg/kg	0.031	0.13	1	8260B		7/26/2023	CJR	1
1,2-Dibromo-3-chloropropane	< 0.055	mg/kg	0.055	0.22	1	8260B		7/26/2023	CJR	1
Dibromochloromethane	< 0.038	mg/kg	0.038	0.16	1	8260B		7/26/2023	CJR	1
1,4-Dichlorobenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/26/2023	CJR	1
1,3-Dichlorobenzene	< 0.036	mg/kg	0.036	0.15	1	8260B		7/26/2023	CJR	1
1,2-Dichlorobenzene	< 0.026	mg/kg	0.026	0.11	1	8260B		7/26/2023	CJR	1
Dichlorodifluoromethane	< 0.046	mg/kg	0.046	0.19	1	8260B		7/26/2023	CJR	1
1,2-Dichloroethane	< 0.042	mg/kg	0.042	0.17	1	8260B		7/26/2023	CJR	1
1,1-Dichloroethane	< 0.033	mg/kg	0.033	0.13	1	8260B		7/26/2023	CJR	1
1,1-Dichloroethene	< 0.049	mg/kg	0.049	0.2	1	8260B		7/26/2023	CJR	1
cis-1,2-Dichloroethene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/26/2023	CJR	1
trans-1,2-Dichloroethene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/26/2023	CJR	1
1,2-Dichloropropane	< 0.04	mg/kg	0.04	0.16	1	8260B		7/26/2023	CJR	1
1,3-Dichloropropane	< 0.031	mg/kg	0.031	0.13	1	8260B		7/26/2023	CJR	1
trans-1,3-Dichloropropene	< 0.027	mg/kg	0.027	0.11	1	8260B		7/26/2023	CJR	1
cis-1,3-Dichloropropene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/26/2023	CJR	1
Di-isopropyl ether	< 0.028	mg/kg	0.028	0.11	1	8260B		7/26/2023	CJR	1
EDB (1,2-Dibromoethane)	< 0.025	mg/kg	0.025	0.1	1	8260B		7/26/2023	CJR	1
Ethylbenzene	< 0.023	mg/kg	0.023	0.096	1	8260B		7/26/2023	CJR	1
Hexachlorobutadiene	< 0.1	mg/kg	0.1	0.42	1	8260B		7/26/2023	CJR	1
Isopropylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/26/2023	CJR	1
p-Isopropyltoluene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/26/2023	CJR	1
Methylene chloride	< 0.1	mg/kg	0.1	0.42	1	8260B		7/26/2023	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.036	mg/kg	0.036	0.15	1	8260B		7/26/2023	CJR	1
Naphthalene	< 0.12	mg/kg	0.12	0.38	1	8260B		7/26/2023	CJR	1
n-Propylbenzene	< 0.025	mg/kg	0.025	0.1	1	8260B		7/26/2023	CJR	1
1,1,2,2-Tetrachloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		7/26/2023	CJR	1
1,1,1,2-Tetrachloroethane	< 0.041	mg/kg	0.041	0.17	1	8260B		7/26/2023	CJR	1
Tetrachloroethene	< 0.039	mg/kg	0.039	0.16	1	8260B		7/26/2023	CJR	1
Toluene	< 0.031	mg/kg	0.031	0.13	1	8260B		7/26/2023	CJR	1
1,2,4-Trichlorobenzene	< 0.045	mg/kg	0.045	0.18	1	8260B		7/26/2023	CJR	1

Project Name WI DOT COONEN PROPERTY **Invoice #** E42710
Project # P223065.41

Lab Code 5042710P
Sample ID MEOH BLANK
Sample Matrix Soil
Sample Date 7/21/2023

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.18	mg/kg	0.18	0.56	1	8260B		7/26/2023	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.12	1	8260B		7/26/2023	CJR	1
1,1,2-Trichloroethane	< 0.037	mg/kg	0.037	0.15	1	8260B		7/26/2023	CJR	1
Trichloroethene (TCE)	< 0.039	mg/kg	0.039	0.16	1	8260B		7/26/2023	CJR	1
Trichlorofluoromethane	< 0.066	mg/kg	0.066	0.27	1	8260B		7/26/2023	CJR	1
1,2,4-Trimethylbenzene	< 0.035	mg/kg	0.035	0.14	1	8260B		7/26/2023	CJR	1
1,3,5-Trimethylbenzene	< 0.031	mg/kg	0.031	0.13	1	8260B		7/26/2023	CJR	1
Vinyl Chloride	< 0.036	mg/kg	0.036	0.15	1	8260B		7/26/2023	CJR	1
m&p-Xylene	< 0.062	mg/kg	0.062	0.25	1	8260B		7/26/2023	CJR	1
o-Xylene	< 0.03	mg/kg	0.03	0.12	1	8260B		7/26/2023	CJR	1
SUR - Toluene-d8	107	Rec %			1	8260B		7/26/2023	CJR	1
SUR - 1,2-Dichloroethane-d4	104	Rec %			1	8260B		7/26/2023	CJR	1
SUR - 4-Bromofluorobenzene	108	Rec %			1	8260B		7/26/2023	CJR	1
SUR - Dibromofluoromethane	104	Rec %			1	8260B		7/26/2023	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

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

CHAIN OF STODY RECORD

Synergy Environmental Lab, LLC

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # 45725

Page 1 of 2

Sample Handling Request

___ Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: P223065.41

Sampler: (signature)

Project (Name / Location): WI DOT Cooney Property

Reports To: Josh Rumcheck	Invoice To: Same as "Report To"
Company Endeavor Env. Serv. Inc.	Company
Address 2280-B Saltsgaver Ct	Address
City State Zip Green Bay WI 54313	City State Zip
Phone 920-437-2997	Phone
Email jrumcheck@endeavorenv.com	Email

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	PID/FID
504270 A	GP-1,5-2	7/24/23	0932	N	2	S	MeOH/Nacl	2.1
B	GP-1,5-4		0942					3.1
C	GP-2,5-2		0952					1.5
D	GP-2,5-4		0955					19.1
E	GP-3,5-2		1002					2.5
F	GP-3,5-4		1006					877
G	GP-4,5-2		1028					4.7
H	GP-4,5-4		1033					43.5
I	GP-4,5-5		1034					15.2
J	GP-5,5-2		1102					42.1
K	GP-5,5-3		1103					1392
L	GP-5,5-4		1108					1932

Analysis Requested

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS
								X						
								X						
								X						
								X						
												X		
												X		
								X						
								X						
								X						
								X						
								X						
								X						

Other Analysis

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Client

Temp. of Temp. Blank: _____ °C On Ice: _____

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	~~1700~~ 1250	7/24/23			

Received in Laboratory By: Client Time: ~~12:49~~ Date: 7/24/23

CHAIN OF STODY RECORD

Synergy Environmental Lab, LLC

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # 45726

Page 2 of 2

Sample Handling Request

____ Rush Analysis Date Required: ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: P223065.41

Sampler: (signature)

Project (Name / Location): WI DOT Coonen Property

Reports To:	Joseph Ramcheck	Invoice To:	Same as "Report To"
Company	Endeavor Env. Serv. Inc.	Company	
Address	2280-B Saltscheider Ct	Address	
City State Zip	Green Bay WI 54313	City State Zip	
Phone	920-437-2997	Phone	
Email	jramcheck@endeavorenv.com	Email	

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
504270 M N	GP-6 S-2	7/24/23	1122	N	2	S	MeOH/Non
	GP-6 S-5		1125				
B	GP-7 S-5		1144				
	MeOH Blank		—		1	MeOH	MeOH

Analysis Requested | **Other Analysis**

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS							PID/ FID
								X				X									
												X									
												X									

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Club

Temp. of Temp. Blank: ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	~~1250~~ 1250	7/24/23			

Received in Laboratory By: Club Club Time: 1249 Date: 7/24/23