Phase II Subsurface Investigation

at

222 North Oneida Street Outagamie County Tax Parcel 312038400 City of Appleton, Outagamie County, WI

for

City of Appleton 100 N. Appleton St. Appleton, WI 54911

November 22, 2017

N2214G17

ENGINEERING • ARCHITECTURE • ENVIRONMENTAL



Christopher J. Rogers OMNNI Associates One Systems Dr. Appleton, WI 54914

Ph.: 920/735-6900 Fax: 920/830-6100 Email: chris.rogers@omnni.com

TABLE OF CONTENTS

EXECUTIVE SUMMARY	3
INTRODUCTION/BACKGROUND	3
Project Contacts:	4
GEOLOGY AND HYDROGEOLOGY	4
FIELD ACTIVITIES	4
Ground Penetrating Radar	4
Soil Borings	5
Groundwater Wells	5
FIELD AND ANALYTICAL RESULTS	5
Ground Penetrating Radar Results	5
Soil Boring Results	5
Borings SB-01 Through SB-04	5
Boring SB-05	5
Soil Boring SB-6	5
Soil Borings SB-7 and SB-08	5
Soil Borings SB-09 and SB-10	7
Groundwater Results	7
CONCLUSIONS AND RECOMMENDATIONS	7
STANDARD OF CARE	9
PROFESSIONAL CERTIFICATION	0

LIST OF APPENDICES

Appendix
gures1
Site Location Map Site Detail Map Geoprobe Locations Topographic Map Soil Map
ibles2
1 – Soil Results – PVOCs, Naphthalene, Lead, Cadmium 2 – Soil Results – PAHs 3 – Groundwater Results – VOCs, Lead, Cadmium 4 – Groundwater Results – PAHs
NR Forms
Soil Boring Log Information Forms 4400-122 Borehole Abandonment Forms 3300-005
andbook of Field Procedures4
boratory Analysis Results and Chain of Custody Documentation

EXECUTIVE SUMMARY

OMNNI Associates has completed a Phase II subsurface investigation at the property located at 222 N. Oneida Street in the City of Appleton, Outagamie County, WI. The project was intended to determine whether a former automotive service station, vehicle fueling, or underground storage tanks at the property may have impacted the environment. The building had historical use as an auto-related business dating back to 1930, including an auto lube center, a tire shop, a service station, and a vehicle rental operation. The site was most recently used as a law office, but is currently vacant.

The following environmental conditions were investigated:

- 1. At least 11 underground storage tanks were located on the north parcel at various times. No records were found regarding the removal of any of the tanks, their precise location, the condition of subsurface soils, groundwater, or the former waste oil handling practices on the subject property. OMNNI conducted a field investigation which consisted of soil borings, soil sampling, and groundwater sampling. The site exhibited fill material across most of the northern parcel, and had detections of metals, volatile organic compounds, and polycyclic aromatic hydrocarbons some of which were in exceedance of DNR residual contaminant levels and/or groundwater standards. OMNNI recommends that the release be reported to the DNR.
- 2. The building on the south parcel of the subject property was built in 1929 and expanded in 1966. Uses have included a doctor's office with attached residence, a hair salon, and a law office. The City of Appleton issued a permit in 1957 to install a fuel oil tank. The permit did not record the tank's size, or whether the tank was an aboveground or underground tank. Piping found in the basement wall during the site inspection indicates that the tank was probably formerly installed aboveground in the basement's boiler room. No staining of the concrete floor was observed in the area. This area was further visually evaluated during the Phase II subsurface investigation and no new evidence was ascertained. OMNNI recommends no further investigation in the area.

INTRODUCTION/BACKGROUND

The subject property is located at 222 N. Oneida St. in the City of Appleton, Outagamie County, Wisconsin. (See Site Location Map, and Site Detail Map, Appendix 1.) The property consists of tax parcel 312038400. The 0.21-acre property is located in the NE ¼ of the SW ¼ and the NW ¼ of the SE ¼ of section 26, T21N, R17E, Outagamie County. The property is owned by Valley Premier Property LLC, c/o John A. Schwittay, 3420 Nikodem Lane, Abrams, WI 54101, and is zoned CBD – central business district.

A Phase I environmental site assessment performed in October 2017 identified that the property dates back to the late 1800's, where it was initially a residential home on the southern portion of the property. It was then used for short stints as a college fraternity house, and as a mortuary. The structure was razed and replaced with a doctor's office and attached residence, which operated from 1930 – 1951. A hair salon operated from the building from 1955 – 1965. A law office made renovations and additions to the building, operating at the site from 1966 – 2013. The building is presently vacant.

The northern portion of the subject property, where there is presently a parking lot and main area of concern, was also occupied by a residence until the mid-1920's. The residence was used as a parsonage in the early years, and then in the late 1920's as a funeral home. The structure was razed and replaced with a structure used variously as an auto lube center from 1930 – 1940, a

tire shop from 1941 – 1945, a service station from 1947 – 1960, and a vehicle rental operation from 1964 – 1970.

The property has been owned since 2013 by Valley Premier Property LLC.

The following recognized environmental conditions were identified, which required further investigation:

- 1. At least 11 underground storage tanks were located on the north parcel at various times. No records were found regarding the removal of any of the tanks, the condition of subsurface soils or groundwater, or the former waste oil handling practices on the subject property.
- 2. The City of Appleton issued a permit in 1957 to install a fuel oil tank. The permit did not record the tank's size, or whether the tank was an aboveground or underground tank. Piping found in the basement wall during the site inspection indicates that the tank was probably formerly installed aboveground in the basement's boiler room. No staining of the concrete floor was observed in the area.

Project Contacts:

Client: City of Appleton, 100 N. Appleton St., Appleton, WI 54911; (920) 832-6463. Contact: Matt Rehbein.
Consultant: OMNNI Associates, One Systems Drive, Appleton, WI 54914; (920) 735-6900. Contact: Christopher Rogers.
Driller: Geiss Soil and Samples, LLC, W4490 Pope Road, Merrill, WI; (715) 539-3928.
Laboratory: Synergy Environmental Lab, 1990 Prospect Ct., Appleton, WI 54914; (920) 830-2455.

GEOLOGY AND HYDROGEOLOGY

The geology and hydrogeology of the area were determined by studying existing geologic, topographic, hydrogeologic, and soil maps, and reports.

Based on maps and information included in <u>Water Resources of Wisconsin, Fox-Wolf River Basin</u> by P.G. Olcott (1968), the surface soils in the area were originally composed of glacial lake deposits, consisting mainly of silt and clay. The surface in the area has been disturbed by urban development. (See Soil Map, Appendix 1.) The bedrock consists of dolomite, and is expected to be over 50 feet below the surface.

Topography at the site is flat, with a site elevation of approximately 784 feet above mean sea level. (See Topographic Map, Appendix 1.)

The depth to groundwater at the site is expected to be approximately eight feet below the ground surface. The shallow groundwater flow direction is expected to be toward the south to Fox River ravine systems.

FIELD ACTIVITIES

Ground Penetrating Radar

On November 3, 2017, OMNNI coordinated the on-site survey of subsurface materials using ground penetrating radar (GPR) in an effort to locate any former underground storage tanks on

the property. This also assisted in determining boring placement on-site and identification of disturbed soils. The ground penetrating radar focused heavily on the parking lot area of the property and was able to obtain readings to approximately five feet below the ground surface.

Soil Borings

On November 3, 2017, OMNNI coordinated the installation of ten geoprobe soil borings (SB-01 – SB--10) on the subject property. (See Site Detail Map, and Geoprobe Locations, Appendix 1.) The borings were based on the locations depicted on the 1951 and 1970 Sanborn maps of the gas tanks, the service center, and rental car facility. Borings SB-01-SB-04, SB-09, and SB-10 were placed in the northern portion of the parking lot to determine potential impacts of underground storage tanks along the north property line. Borings SB-05, SB-7, and SB-08 were installed to characterize conditions associated with tanks formerly located in the western portion of the parking lot area. Boring B06 was placed in the southeast portion of the parking lot where there was a former service bay. An additional boring was proposed on the west side of the building; however, due to utility conflicts, the area was not investigated further.

Borings SB-6, SB-09, and SB-10 were installed to a depth of 15 feet, while the remainder of the borings were installed at depths from 0.8 feet to 8.0 feet. (See Borehole Filling and Sealing Report, Appendix 3.) Groundwater was encountered on-site ranging from 5 - 12 feet below the ground surface.

Soil samples were obtained continuously from the borings for field screening with a photoionization detector (PID). At each sampling interval, a representative portion of the soil was also collected for possible laboratory analysis. (See Handbook of Field Procedures, Appendix 4.)

Soil analytical samples were taken from borings SB-01 and SB-6 - SB-10 from unsaturated areas which exhibited the highest likelihood of impacted material below the surface. All soil samples sent to the laboratory were analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), lead, and cadmium.

Groundwater Wells

Temporary groundwater monitoring wells (TW-06, TW-8, TW-09, and TW-10) were installed in their respective boring locations. Groundwater samples were collected from the wells on the date of installation with the exception of TW-09 and TW-10, which did not produce water on the date of installation. All groundwater from the installed temporary wells were analyzed for VOCs, PAHs, lead, and cadmium.

Boreholes SB-01 - SB-05, SB-7, and SB-08 were properly abandoned. (See Borehole Filling and Sealing Report, Appendix 3.) Borings SB-6, SB-09, and SB-10 (TW-06, TW-09, and TW-10) have not been abandoned pending potential future use.

FIELD AND ANALYTICAL RESULTS

Ground Penetrating Radar Results

The GPR survey traced multiple utility lines to include communication, storm sewer line, and gas. The survey scanned the parking lot using a grid-like pattern and identified no evidence of remaining underground storage tanks. The survey did identify a large amount of subsurface disturbance on-site which is an indicator of fill soil or building basements, foundations, or debris.

Additionally, the ground penetrating radar contractor investigated the area on the western side of the southern portion of the property. A significant amount of utilities were identified in the location

of the former fill port for the former fuel oil tank in the basement. The utilities appear to have been installed more recently than the use of the fuel oil tank. This portion of the site exhibited soil disturbance likely related to the installation of the utility lines.

Soil Boring Results

The soil in the borings consisted of asphaltic pavement on the surface, underlain by sand and gravel. Underneath the sand and gravel the borings typically exhibited fill, consisting of silty clays with rock, and concrete.

Borings SB-01 Through SB-04

In boring locations SB-01 - SB-04, placed in the northern portion of the parking lot, there were shallow obstructions which inhibited penetration past three feet below ground surface. (See Soil Boring Logs, Appendix 3.) There were no visual results indicative of petroleum contamination within borings SB-01 through SB-04, nor were there elevated photo-ionization detector (PID) instrument results associated with those locations. Boring results do indicate potential buried concrete slabs, footings, or other fill material.

Laboratory analysis revealed soil contamination in boring SB-01. (See Tables 1 and 2, Soil Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.) In boring SB-01, lead was found in exceedance of the groundwater pathway residual contaminant level (RCL) as well as the background threshold value (BTV). No other soil RCLs were exceeded in boring SB-01. Borings SB-02 through SB-04 were not sampled due to their shallow depth.

Boring SB-05

Likewise, in boring SB-05, placed to address subsurface conditions in the western portion of the site, a sample was not obtained due to shallow refusal. There were no visual results indicative of petroleum contamination within boring SB-05, nor were there elevated photo-ionization detector (PID) instrument results associated with that location. Field evidence indicated potential buried concrete slabs, footings, or other fill material, just as in borings SB-01 - SB-04.

Soil Boring SB-6

Boring SB-6 was placed in the area of the former service bay depicted on the 1951 Sanborn Map. The boring in this location exhibited dark staining from 7.8 to 8.0 feet below ground surface. There was a slight PID elevation at 1-1.6 feet where the soil sample was taken. No field evidence of contamination was identified in the tank backfill or underlying native soil.

Laboratory analysis revealed soil contamination in boring SB-6. (See Tables 1 and 2, Soil Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.) In boring SB-6, chrysene was found in exceedance of the groundwater pathway RCL as well as a non-industrial direct contact exceedance for benzo(a)pyrene. No other soil RCLs were exceeded in boring SB-6.

Soil Borings SB-7 and SB-08

In borings SB-7 and SB-08, placed downgradient of former tanks in the western portion of the site, there were obstructions at six feet below ground surface. There was a PID elevation of 27 ppm in boring SB-7 at five feet where the soil sample was taken. The boring also exhibited a moderate petroleum odor as well as dark staining in the soil. Boring SB-08 exhibited no staining

or elevated PID readings. Boring results do indicate potential buried concrete slabs, footings, or other fill material.

Laboratory analysis revealed soil contamination in boring SB-7 and SB-08. (See Tables 1 and 2, Soil Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.) In boring SB-7 and SB-08, lead was found in exceedance of the groundwater pathway RCL and BTV. Additionally, SB-7 exhibited a non-industrial direct contact exceedance for benzo(a)pyrene and a soil to groundwater pathway RCL exceedance for chrysene. No other soil RCLs were exceeded in boring SB-01. Borings SB-02 through SB-04 were not sampled due to their shallow depth.

Soil Borings SB-09 and SB-10

In boring locations SB-01 through SB-04, placed in the northern portion of the parking lot depicted four separate fuel tanks, were able to attain the full 15-foot proposed depth. There was a slight PID elevation in boring SB-09 at two feet where the soil sample was taken. Boring SB-09 also exhibited a slight petroleum odor from two to 3.5 feet below ground surface. Boring SB-10 shown no visual results indicative of petroleum contamination, nor were there elevated PID results.

Laboratory analysis revealed soil contamination in boring SB-7 and SB-08. (See Tables 1 and 2, Soil Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.) In boring SB-09 and SB-10, lead was found in exceedance of the groundwater pathway RCL and BTV. Additionally, SB-09 exhibited a soil to groundwater Pathway RCL exceedance for chrysene. No other soil RCLs were exceeded in borings SB-09 and SB-010.

Groundwater Results

Due to the shallow borings and lack of groundwater, only four temporary groundwater wells were installed, including TW-06, TW-8, TW-09, and TW-10. Groundwater contamination was found in all of the temporary wells installed in the parking lot.

Temporary well TW-06, exhibited a preventive action limit (PAL) exceedance for benzo(b)fluoranthene. No other compounds were detected above the PAL. (See Tables 3 and 4, Groundwater Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.)

Temporary well TW-8, exhibited a PAL exceedance for lead. No other compounds were detected above the PAL. (See Tables 3 and 4, Groundwater Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.)

Temporary well TW-09, exhibited an enforcement standard (ES) exceedance for 1,2-Dichloroethane. The well also exhibited a PAL exceedance for benzo(b)fluoranthene. No other compounds were detected above the ES or PAL. (See Tables 3 and 4, Groundwater Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.)

Temporary well TW-10, exhibited a PAL exceedance for 1,2-Dichloroethane and benzo(b)fluoranthene. No other compounds were detected above the PAL. (See Tables 3 and 4, Groundwater Results, Appendix 2, and Laboratory Analysis Results and Chain of Custody Documentation, Appendix 5.)

CONCLUSIONS AND RECOMMENDATIONS

This Phase II environmental site investigation was intended to determine whether underground storage tanks remained on site and if there was any contamination associated with them at the property, which may have impacted the environment.

The following environmental conditions were investigated:

- 1. At least 11 underground storage tanks were located on the north parcel at various times. No records were found regarding the removal of any of the tanks, their precise location, the condition of subsurface soils or groundwater, or the former waste oil handling practices on the subject property.
 - a. Field evidence identified a petroleum odor and/or dark staining in the upper sixfoot interval, as well as elevated headspace readings in borings SB-6, SB-7 and SB-09. Laboratory analysis revealed low levels of soil contamination near the surface in all borings sampled (SB-01 and SB-6 - SB-10). The following soil RCLs were exceeded:
 - i. Soil to groundwater pathway and BTV exceedance for lead in SB-01, SB-7, SB-08, SB-09, and SB-10
 - ii. Soil to groundwater pathway exceedance for chrysene in SB-6, SB-7, and SB-09.
 - iii. Non-industrial direct contact RCL exceedance for benzo(a)pyrene in SB-6 and SB-7.
 - b. Laboratory analysis of four groundwater samples revealed both preventive action limit and enforcement standard exceedances. All wells sampled shown low level contaminant detections. The following wells had contaminant concentrations in excess of NR 140 standards:
 - i. Preventive action limit exceedance for benzo(a)pyrene in TW-09
 - ii. Preventive action limit exceedance for benzo(b)fluoranthene in TW-06, TW-09, and TW-10.
 - iii. Preventive action limit exceedance for chrysene in TW-09
 - iv. Preventive action limit exceedance for lead in TW-08
 - v. Preventive action limit exceedance for 1,2-Dichloroethane in TW-10.
 - vi. Enforcement Standard exceedance for 1,2-Dichloroethane in TW-09.

The findings in both the soil and groundwater indicate a previous release that has attenuated over time which is likely a result of the historical auto-related business use. OMNNI recommends that the release be reported to the DNR, and that the area be further investigated to determine the extent of the contamination.

2. The building on the south parcel of the subject property was built in 1929 and expanded in 1966. Uses have included a doctor's office with attached residence, a hair salon, and a law office. The City of Appleton issued a permit in 1957 to install a fuel oil tank. The permit did not record the tank's size, or whether the tank was an aboveground or underground tank. Piping found in the basement wall during the site inspection indicates that the tank was probably formerly installed aboveground in the basement's boiler room. No staining of the concrete floor was observed in the area.

This area was investigated with the ground penetrating radar contractor and utility locations were identified. There is a significant amount of utilities in the location of the former fill port for the former fuel oil tank, which appear to have been installed more recently than the use of the fuel oil tank. Additionally, any soils that were excavated for the utility installation would have been observed by the City of Appleton and or their environmental consultant at that time, and would have noted any areas of impacted soil. OMNNI recommends no further investigation in the area.

STANDARD OF CARE

The conclusions presented in this investigation were arrived at using generally accepted hydrogeologic and engineering practices. The conclusions presented herein represent our professional opinions, based on the data collected at the time of the investigation, at the specific boring and sampling locations discussed in this report. Conditions at other locations on the property may be different than described in this investigation. The scope of this report is limited to the specific project and location described herein.

d f 2

Prepared By:

Christopher J. Rogers Scientist / Hydrogeology

Don Brittmacher

Reviewed By:

Don Brittnacher, P.G., P.E, *Hydrogeologist, Engineer*

PROFESSIONAL CERTIFICATION

I, Christopher J. Rogers, hereby certify that I am a scientist as that term is defined in s. <u>NR 712.03 (3)</u>, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. <u>NR 700</u> to <u>726</u>, Wis. Adm. Code.

d f 2____

Christopher J. Rogers (Project Scientist / Hydrogeology)

"I, Don Brittnacher, hereby certify that I am a hydrogeologist as that term is defined in s. <u>NR 712.03 (1)</u>, Wis. Adm. Code, am registered in accordance with the requirements of ch. <u>GHSS 2</u>, Wis. Adm. Code, or licensed in accordance with the requirements of ch. <u>GHSS 3</u>, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable

requirements in chs. NR 700 to 726, Wis. Adm. Code."

Don Brittmacher

(Professional Geologist)



(P.G. Number)

I, Don Brittnacher, certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

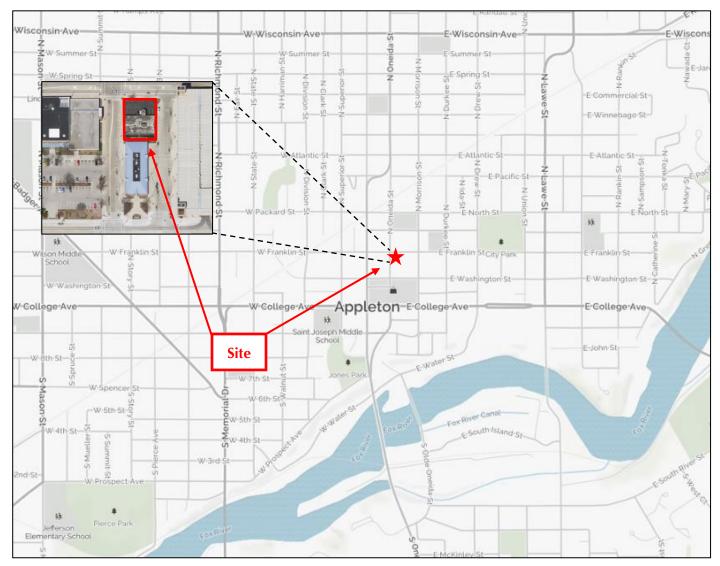
Dom Brittmacher

(Professional Engineer)

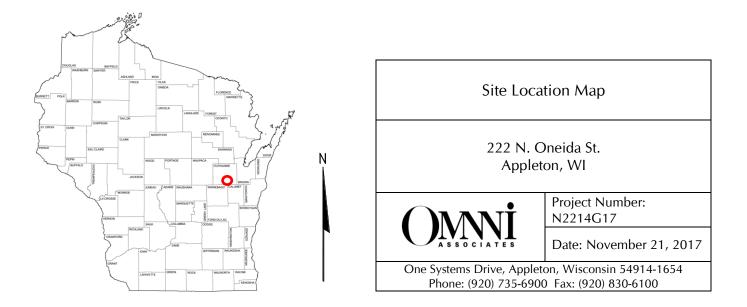
ONAL Presentation and a state

APPENDIX 1

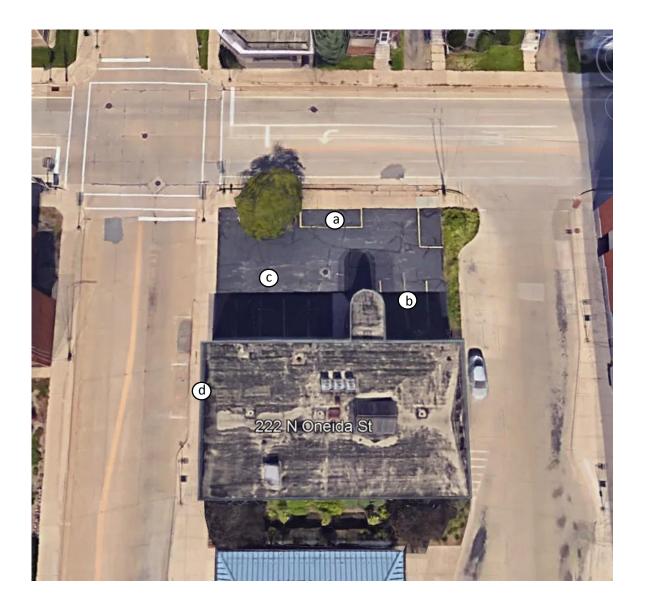
FIGURES



Source: Mapquest, reviewed 10/3/2017.



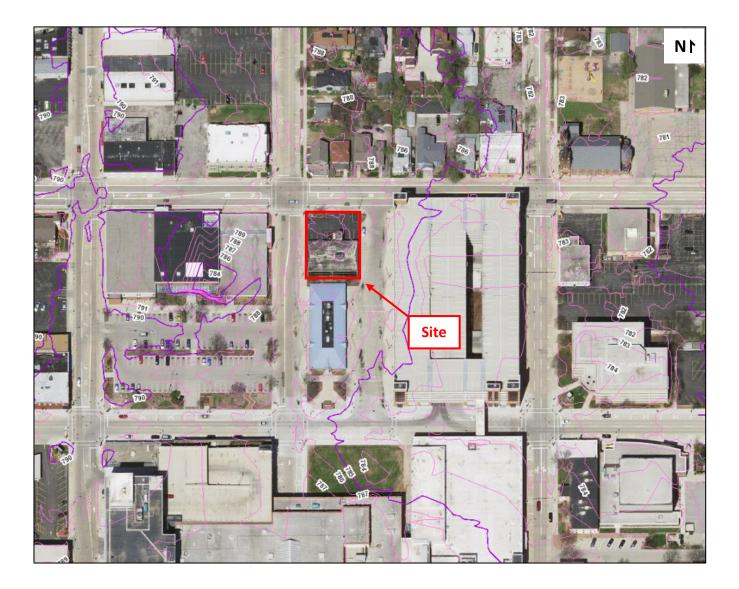
Site Detail Map



- a) Four underground storage tank locations listed in 1951
- b) Former location of automotive service bay
- c) Two underground storage tank locations listed in 1951
- d) Fill port location for former fuel oil tank in basement



Topographic Map



Contour interval is one foot.

Soil Map



Udorthents (Uo) - somewhat excessively drained disturbed fill lands

Kewaunee silt loam, 2 – 6% slopes (KhB) – well drained

APPENDIX 2

TABLES

Table 1 - Soil Results - VOCs, Lead, and Cadmium	
222 North Oneida St. Phase II Investigation	

Table 1 - Soil Results - VOCs, Lead, and Cadmium 222 North Oneida St. Phase II Investigation Detected Volatile Organic Compounds (VOCs) (mg/kg)							(g)					
Sample	Saturated/	utylbenzene	Ethylbenzene	uene	4-Trimethylbenzen	5-Trimethylbenzen	&p-Xylene	-Xylene				
ID	Unsaturated	Sample Date	Depth (ft)	Lead (mg/kg)	Cadmium (mg/kg)	n-B	Eth	Tolı	1,2,	1,3,	m&	×-0
Backgrou	und Threshold \	/alue (mg/k	(g)	52	1	-	-	-	-	-	-	-
Groundw	ater Pathway R	CL (mg/kg))	27	0.752	-	1.57	1.1072	1.3821 (combined) 3.96 (Comb			ombined)
Industria	I RCL (mg/kg)			800	985	108	35.4 818 219 182 260 (Combin				mbined)	
Non-Indu	strial RCL (mg/	kg)		400	71.1	108	8.02	818	219	182	260 (Co	mbined)
SB-01	U	11/3/17	2.0-2.8	108	<0.08	<0.04	0.041 "J"	0.072 "J"	0.10	<0.032	0.132 "J"	0.048 "J"
SB-6	U	11/3/17	1.0-1.6	6	<0.08	<0.04	<0.035	<0.032	<0.025	<0.032	<0.072	<0.044
SB-7	U	11/3/17	5-6	281	0.14 "J"	<0.04	<0.035	<0.032	0.098	<0.032	<0.072	<0.044
SB-08	U	11/3/17	3-4	114	0.010 "J"	<0.04	<0.035	<0.032	<0.025	<0.032	<0.072	<0.044
SB-09	U	11/3/17	2-2.5	397	0.36	0.054 "J"	<0.035	<0.032	<0.025	<0.032	<0.072	<0.044
SB-10	U	11/3/17	3-4	54	<0.08	<0.04	<0.035	<0.032	<0.025	<0.032	<0.072	<0.044

RCL = residual contaminant level

S = saturated; U = unsaturated

BOLD entries indicate that concentration detected above RCL.

J = Analyte detected between the limit of detection and limit of quantitation.

NA = not analyzed

All Soil RCLs are based on the March 2017 Update

Table 2 - Soil Results - PAHs 222 North Oneida St. Phase II Investigation

RCL = Res	sidual contaminar	nt level			Detected Polycyclic Aromatic Hydrocarbons (PAHs) (mg/kg)															
BOLD entr above RCL. J = Analyte	ted; U = unsatura ries indicate that detected betwee quantitation.	concentratio				hracene	ene	oranthene	perylene	oranthene)anthracene	σ		-cd)pyrene	aphthalene	phthalene		Э	
Sample ID	Saturated/ Unsaturated	Sample Date	Depth (ft)	Acenaphthe	Anthracene	Benzo(a)ant	Benzo(a)pyr	Benzo(b)fluc	Benzo(g,h,i)	Benzo(k)fluc	Chrysene	Dibenzo(a,h)	Fluoranthen	Fluorene	Indeno(1,2,3	1-Methylnap	2-Methylnap	Naphthalene	Phenanthrer	Pyrene
Backgrou	und Threshold	Value (mg	/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundw	ater Pathway	RCL (mg/k	g)	-	196.949	-	0.47	0.4793	-	-	0.1446	-	88.8778	14.8299	-	-	-	0.6582	-	54.5455
	I RCL (mg/kg)			-	100,000	20.8	2.11	21.1	-	211	2,110	2.11	30,100	30,100	21.1	72.7	3,010	24.1	-	22,600
Non-Indu	strial RCL (mg	g/kg)		-	17,900	1.14	0.115	1.15	-	11.5	115	0.115	2,390	2,390	1.15	17.6	239	5.52	-	1,790
SB-01	U	11/3/17	2.0-2.8	< 0.0151	< 0.0109	0.0163 "J"	'0.0158 "J"	0.0297 "J"	0.0297 "J'	'0.0177 "J"	0.0231 "J'	' < 0.0078	0.026 "J"	< 0.0179	< 0.0114	0.036 "J"	0.052	0.0303 "J"	0.0219 "J"	"0.0242 "J"
SB-6	U	11/3/17	1.0-1.6	0.041 "J"	0.089	0.288	0.278	0.42	0.247	0.159	0.34	0.0125 "J"	0.76	0.0197 "J"	0.2	< 0.0203	< 0.0113	< 0.0153	0.234	0.66
SB-7	U	11/3/17	5-6	0.044 "J"	0.079	0.137	0.118	0.216	0.139	0.106	0.211	0.0242 "J"	0.65	0.042 "J"	0.111	0.0253 "J"	< 0.0113	0.0194 "J"	0.45	0.47
SB-08	U	11/3/17	3-4	< 0.0151	0.04	0.096	0.101	0.176	0.138	0.087	0.143	< 0.0078	0.314	< 0.0179	0.101	< 0.0203	< 0.0113	< 0.0153	0.15	0.246
SB-09	U	11/3/17	2-2.5	< 0.0151	0.032 "J"	0.062	0.056	0.086	0.1	0.033 "J"	0.162	0.0197 "J"	0.197	0.0277 "J"	0.047	0.0239 "J"	0.0197 "J	"0.0239 "J"	0.139	0.246
SB-10	U	11/3/17	3-4	< 0.0151	0.016 "J"	0.039	0.037	0.0283 "J"	0.045	0.0283 "J"	0.058	< 0.0078	0.121	< 0.0179	0.034 "J"	< 0.0203	< 0.0113	< 0.0153	0.062	0.095

RCL = residual contaminant level

S = saturated; U = unsaturated

BOLD entries indicate that concentration detected above RCL.

J = Analyte detected between the limit of detection and limit of quantitation.

NA = not analyzed

All Soil RCLs are based on the March 2017 Update

Table 3 - Groundwater Results - VOCs, Lead, and Cadmium
222 North Oneida St. Phase II Investigation

		Detected M	etals (ug/L)	Detected VOCs (ug/L)
Well	Sample Date	Lead, Dissolved (ug/L)	Cadmium, Dissolved (ug/L)	1,2-Dichloroethane
	ES	15	5	5
	PAL	1.5	0.5	0.5
TW-06	11/3/17	< 0.9	0.6 "J"	<0.45
TW-8	11/3/17	10	0.6 "J"	<0.45
TW-09	11/6/17	1.0 "J"	0.7 "J"	31.4
TW-10	11/6/17	<0.9	0.5 "J"	4.3
		LOD LOQ	0.4* 1.3*	

ES = enforcement standard

PAL = preventive action limit

BOLD = detected above ES

Italics = detected above PAL

"J" = detected between the limit of detection (LOD) and limit of quantitation (LOQ)

* for all samples

No PAL exceedance for cadmium, since the PAL is between the limit of detection and the limit of quantitation, and the concentration is less than the limit of quantitation.

PAL limits based on February 2017 NR 140.05 Standards

ES Limits based on May 2017 NR 140 Public Health Standards

Table 4 - Groundwater Results - PAHs 222 North Oneida St. Phase II Investigation

			Detected PAHs (ug/L)															
Well	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
	ES	-	-	3,000	-	0.2	0.2	-	-	0.2	400	400		-	-	100	-	250
	PAL	-	-	600	-	0.02	0.02	-	-	0.02	80	80		-	-	10	-	50
TW-06	11/3/17	0.05 "J"	< 0.019	0.072	0.054 "J"	0.048 "J"	0.08	0.046 "J"	0.0293 "J"	0.063 "J"	0.184	0.049 "J"	0.037 "J"	< 0.024	< 0.024	0.0302 "J"	0.304	0.132
TW-8	11/3/17	0.056	< 0.019	0.062 "J"	0.0268 "J"	< 0.02	0.0238 "J"	<0.025	<0.016	< 0.02	0.094	0.0305 "J"	<0.023	0.063 "J"	0.097	0.098	0.245	0.059 "J"
TW-09	11/6/17	0.063	< 0.019	0.065	0.063	0.089	0.15	0.065 "J"	0.046 "J"	0.118	0.292	0.056 "J"	0.063 "J"	0.144	0.081	0.213	0.33	0.211
TW-10	11/6/17	0.077	< 0.019	0.038 "J"	0.0314 "J"	0.037 "J"	0.068	0.032 "J"	0.0275 "J"	0.056 "J"	0.176	0.044 "J"	0.0313 "J"	0.032 "J"	0.047 "J"	0.052 "J"	0.255	0.117
ES = enforce	ement standard				LOD	0.02	0.018			0.02								
PAL = preve	entive action lir	nit			LOQ	0.065	0.058			0.065								

BOLD = detected above ES

Italics = detected above PAL

"J" = detected between the limit of detection and limit of quantitation

LOD = laboratory limit of detection

LOQ = laboratory limit of quantitation

No PAL exceedance for "J" items, since the PAL is between the limit of detection and the limit of quantitation, and the concentration is less than the limit of quantitation.

PAL limits based on February 2017 NR 140.05 Standards ES Limits based on May 2017 NR 140 Public Health Standards

APPENDIX 3

DNR FORMS

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management
Other

													Pag		of	1
Facilit	y/Proje N. C					License/I	Permit	Monito	ring N	umber		Boring	Numbe		-01	
				f crew chief (first, last) a	nd Firm	Date Dril	lling S	tarted	Dat	e Drilli	ng Com	pleted	Dril	ling Me		
<u> </u>	с ·	1 1	C 1			11/2/2017					7			a at Du	uala/C	a a mualt a
Geiss Soil and Sample WI Unique Well No. DNR Well ID No. Common Well Name						11/3/20 Final Stat		ter Leve		/3/201 Surfac	e Elevat	tion	Dir			eoprobe Diameter
	-							MSL			Fee	t MS				inches
Local State		rigin	(es		$\begin{array}{c c} \text{ ing Location } \\ \hline \\ E & S/C/N \end{array}$	La	t 44	4° 15	5'	50.1 "	County	Coord	inates			
State	1/4	of	1	/4 of Section ,	T N, R	Long		<u>3° 2</u> 4	1'	20.5 "	X: 82	77052	29 Fee	t Y: 5	6299	850 Feet
Facilit				County	(County Co		Civil T		City/ or			-			
<u> </u>	1			Outagamie		45		Appl	eton			0.1	D			
San	nple			S ~:1/D	lock Description								Prope	erties		-
	tt. & sd (in	unts	Feet		cologic Origin For						sive (tsf)	(%)				ts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		ch Major Unit		CS	phic	Well Diagram	PID/FID	Compressive Strength (tsf)	Moisture Content (%)	ii d	Plasticity Index	0	RQD/ Comments
Nun and	Leng	Blov	Depi				N S	Graphic Log	Well	DID	Con Strei	Moi	Liquid Limit	Plastic Index	P 200	RQD/ Comr
	36 36		-	PAVEMENT												
			-	Asphalt SAND AND GI	RAVEL, Fill, brown	/ 1.			•							
			-0.5	dry, (GP)		-,										
				SILTY CLAY,	Fill, brown, dry											
			-													
			-1.0													
			-													
			-													
			-1.5													
			_													
			-2.0													
			-													Sample from
SB-01			2.5							0						2.0-2.8 feet
			- 2.5													
			-	Concrete												
	-		-3.0		1 4 2 0 6 4											
					sal at 3.0 feet. borehole at 3.0 feet.											
I hereb		y that	the info	rmation on this form is the	rue and correct to the bes	t of my kn	owled	ge.								

Signature	Firm	OMNNI Associates, Inc.	Tel: 920-735-6900
		1 N Systems Drive Appleton, WI 5491	4Fax: 920-830-6100

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	Wa

Watershed/Wastewater

Waste Management
Other

														Pag		of	1
Facility	-						License/Permit/Monitoring Number Boring Number SB-02										
		neida		f crew c	chief (first, last) a	nd Firm	Date Drilling Started Date Drilling Cor					ng Com					
Doring	Dime	а Б у. 1	une o	1 010 00 0	uiter (mist, lust) u		Dute Di	ining 54	urteu	Dat	c Driin	ng com	pieteu	Dim	ing wi	liidu	
			Samp				11/3/2				/3/20			Dir			eoprobe
WI Uni	que W	ell No		DNR	Well ID No.	Common Well Name	Final Sta			el	Surfac	e Elevat		r	Bo		Diameter
Local C	uid Or	icin		stimated	1: 🗌) or Bor	ing Location	-	Feet I	MSL			Fee County	t MS			2.0	inches
State P		Igili		simated		E S/C/N	La	t <u>4</u> 4	<u>° 15</u>	;' <u> </u>	50.1 "	County	Coord	nates			
1/4 of 1/4 of Section , T N, R						Long	<u>, 88</u>	<u>° 24</u>	<u>'</u>	20.5 "	X: 82	77068	9 Fee	t Y: 5	56299	866 Feet	
Facility ID County						County Co	de		own/C	ty/ or	Village						
				1	Outagamie	4	45		Appl	eton							
Sam	ple												Soil	Prope	erties		-
	(in) (in)	ıts	eet			ock Description						ev el					
er 'pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			ologic Origin For		s	.2	5		Compressive Strength (tsf)	Moisture Content (%)		ity		RQD/ Comments
Number and Type	ngth	MO	pth		Eac	h Major Unit		SC	Graphic Log	Well Diagram	PID/FID	impi	Moisture Content (⁹	Liquid Limit	Plasticity Index	200	RQD/ Comm
an	<u>3</u> 2 12	BI	Ď	DAV	EMENT			D	۲ G	j≥ ĉ		ŭ ŭ	ΣŬ	ΕĒ	Pl II	- d	జ ర
	12		L		sphalt		~										
			-			RAVEL, fill, gray, d	lry			1							
			-0.5				2		20								
			L							1							
			-						20								
			-1.0	La	rge rock or co	ncrete obstruction,	no ,										
			_	\ rea	covery		/										No water observed
						al at 1.0 feet. oorehole at 1.0 feet.											
					Dottoin of t	orenote at 1.0 feet.											
																	No sample taken
I hereby	certif	fy that	the info	rmation	on this form is tr	ue and correct to the bes	t of my kr	owled	ge.								

Signature	Firm	OMNNI Associates, Inc.	Tel: 920-735-6900
		1 N Systems Drive Appleton, WI 5491	4Fax: 920-830-6100

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	Wa

Watershed/Wastewater

Waste Management
Other

														Pag		of	1
Facility/F 222 N	-						License/Permit/Monitoring Number Boring Number SB-03										
				of crew	chief (first, last) an	nd Firm	Date Drilling Started Date Drilling Con				ng Com						
Doning D		. 2					Duit Di			Dui	C DIIII	ing com	piecea		ing ivi	eurod	
Geiss							11/3/2				/3/201			Dir			eoprobe
WI Uniqu	ue W	ell No.		DNI	R Well ID No.	Common Well Name	Final Sta			el	Surfac	e Elevat		r	B		Diameter
Local Gri	id Or	igin	□ (e	stimate	d: 🗌) or Bor	ing Location	<u> </u>	Feet N	MSL			Fee County	et MS			2.0	inches
State Pla		Igill		stinate		E S/C/N	La	t <u>44</u>	<u>° 15</u>	;'	30.0 "	County	Coord	mates			
1/4 of 1/4 of Section , T N, R					T N, R	Long		<u>°</u> _24		20.5 "	X: 82	77097	0 Fee	tY: 5	56299	610 Feet	
Facility ID County						County Co	de		own/C	ty/ or	Village						
	1		1		Outagamie		45		Appl	eton			g '1	<u> </u>			
Samp													Soil	Prope	erties		_
×	₿. (II)	ıts	eet			ock Description						sf)	0				
Number and Type Lenoth Att	Recovered (in)	Blow Counts	Depth In Feet			ologic Origin For		s	. <u>2</u>	5		Compressive Strength (tsf)	Moisture Content (%)		ity		RQD/ Comments
Number and Type Lenoth At	COV	MO	epth		Eac	h Major Unit		SC	Graphic Log	Well Diagram	PID/FID	mp	Moisture Content (9	Liquid Limit	Plasticity Index	200	RQD/ Comm
	ຳ 22 12	Bl	Ď	DAX	VEMENT			D	۲ ت	j≥ ĉ		ŭ ŭ	ΣŬ	ΕE	PI In	- d	<u> </u>
	11		L		sphalt												
			F		SE COURSE												
			-0.5			RAVEL, fill, gray											
			E						.•								
			F														
			Γ	R	ock or concrete	e obstruction, no	Г			1							NT 1
				\ re	covery	1	/										No sample taken
						al at 0.9 feet. oorehole at 0.9 feet.											
					Dottoin or e	forenoie at 0.9 leet.											
I hereby	certif	y that t	the info	ormatio	n on this form is tr	ue and correct to the bes	st of my kr	owledg	ge.								

Signature	Firm	OMNNI Associates, Inc.	Tel: 920-735-6900	
		1 N Systems Drive Appleton, WI 549	14Fax: 920-830-6100	

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management
Other

														Pag		of	1		
Facility	-						License/Permit/Monitoring Number Boring Number												
	N. C			f crew c	hief (first, last) a	nd Firm	Date [Date Drilling Started Date Drilling Con				ng Com	BB-04						
Doring	Dime	• D J•	i vuine o	1 010 0	iner (msi, iusi) u		Butter	, ining 5	untea	Du	e Driin	ing com	pieteu		Diffing Method				
			Samp					/2017			/3/201			Dir			eoprobe		
WI Un	ique W	ell No		DNR	Well ID No.	Common Well Name	Final S	Static Wa		el	Surfac	e Eleva		r	Bo		Diameter		
Local	Grid Or	igin	[] (e:	stimated	: 🗌) or Bor	ring Location		Feet	MSL			Fee	et MS			2.0	inches		
State I		Igili		stimated		E S/C/N	1	Lat <u>4</u>	<u>4° 1</u> :	5'	50.0 "	County	Coord	mates					
1/4 of 1/4 of Section , T N, R						ong <u>8</u>	<u>3° 2</u>	4'	20.4 "	X: 82	77103	30 Fee	et Y: 5	6299	183 Feet				
Facility	/ ID				County		County (Code			City/ or `	Village							
			1		Outagamie		45		Appl	eton									
San	r i												Soil	Prope	erties		-		
	ŝ.	ıts	eet			lock Description						e ci							
er Pe	Length Att. & Recovered (in)	Blow Counts	Depth In Feet			eologic Origin For		s	2	1		Compressive Strength (tsf)	Moisture Content (%)		ity		RQD/ Comments		
Number and Type	ngth cov) MO	pth		Eac	ch Major Unit		SC	Graphic Log	Well	PID/FID	mpi	Moisture Content (%	Liquid Limit	Plasticity Index	P 200	D/		
an N		Bl	Ď	DAT				<u> </u>	Graf Log		E E	S C	Σŭ	ĒĒ	Pl ⁱ Ine	P	<u>с ж</u>		
	36 36		L		EMENT phalt														
			-			RAVEL, fill, grayi	sh												
			-0.5		own, dry														
			-																
			F	SII	LTY CLAY,	fill, grayish brown	, dry,												
			-1.0	stif	ff														
			- 1.0														No sample taken		
			È.														laken		
			-																
			-1.5																
			E								0.2								
			_								0.2								
			2.0														No water		
			-														observed		
			È.																
			-2.5																
			F																
			F																
	1		-3.0		Dafa	sal at 3.0 feet.		_	<i>\////</i>	4									
						borehole at 3.0 fee	t.												
I hereb	v certif	v that	the info	ormation	on this form is t	rue and correct to the b	est of mv	knowled	lge.	1	1	1	1	I	1	1	L		

Signature	Firm	OMNNI Associates, Inc.	Tel: 920-735-6900
		1 N Systems Drive Appleton, WI 549	914Fax: 920-830-6100

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	Wa

Watershed/Wastewater

Waste Management
Other

													Pag		of	1
Facility	-					License/Permit/Monitoring Number Boring Number SB-05										
		neida 1 Bv: 1		f crew chief (first, last)	and Firm	Date Drilling Started Date Drilling Com					ng Com					
-		-					-					F				
			Samp			11/3/2				3/201		<u>.</u>	Dir			eoprobe
WI Un	ique W	ell No.		DNR Well ID No.	Common Well Name	Final Sta	tic Wat Feet N		el	Surfac	e Elevat	tion et MSI	r	Bo		Diameter inches
Local (Grid Oı	igin	(es	stimated: 🗌) or Bo	Dring Location	· · ·					County				2.0	menes
State I	Plane	0		N,	E S/C/N	La		<u>°</u> 15		50.0"	-					
1/4 of 1/4 of Section , T N, R						Long				20.6 "	X: 82	76969	0 Fee	et Y: 5	6299	125 Feet
Facility	πD			County Outagamie		County Co 45	de	Civil To Apple		ity/ or	Village					
Sam	nle			Outagainie		43		Appr				Soil	Prope	erties		
	r i			Soil	Rock Description											-
•	tt. & sd (in	unts	Fee		Geologic Origin For						sive (tsf)	(%)				ts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet		ach Major Unit		CS	hic	Well Diagram	FID	Compressive Strength (tsf)	Moisture Content (%)	t, iq	Plasticity Index	0	RQD/ Comments
Num and [^]	Leng	Blov	Dept		-		N S	Graphic Log	Well Diagr	PID/FID	Com	Mois Cont	Liquid Limit	Plastic Index	P 200	RQD/ Comm
	10		_	PAVEMENT												
	10		L	Asphalt												
			-	SAND AND G	RAVEL, brown, fill	L										
			-0.5					•••								
			F													
					usal at 0.8 feet.											
				Bollom of	borehole at 0.8 feet.											No sample taken
																laken
I hereb	y certif	y that t	the info	rmation on this form is	true and correct to the bes	st of my kr	owledg	ge.								

Signature	Firm	OMNNI Associates, Inc.	Tel: 920-735-6900
		1 N Systems Drive Appleton, WI 549	14Fax: 920-830-6100

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	W

Watershed/Wastewater

Waste Management
Other

Facility/Project Name License/Permit/Monitoring Number 222 N. O. 11 SI	
222 N. Oneida SE	B-6/TW-06
Boring Drilled By: Name of crew chief (first, last) and Firm Date Drilling Started Date Drilling Completed Drilling M	
Geiss Soil and Sample 11/3/2017 11/3/2017 Direct P	Push/Geoprobe
	Borehole Diameter
Feet MSL Feet MSL	2.0 inches
Local Grid Origin (estimated:) or Boring Location State Plane N, E S/C/N Lat $\underline{44^{\circ}}$ County Coordinates	
$ 1/4 \text{ of Section}, T N, R Long \underline{-88^{\circ}}_{-24'} \underline{-19.9"} X: 82775272 \text{ Feet } Y: $	56296936 Feet
Facility ID County County Code Civil Town/City/ or Village Outagamie 45 Appleton	
Sample Soil Properties	3
And Geologic Origin For S S H H S S H H S S H	ents
Generation Each Major Unit No No	P 200 RQD/ Comments
48 Asphalt 0	
SB-06 SAND WITH GRAVEL, Fill 0.2	Sample from 1-1.6'
SILTY CLAY WITH SAND, Fill, dark	
-3 SILTY CLAY, Fill, reddish brown,	
$\begin{vmatrix} 48\\48 \end{vmatrix} = 5 \\-5 \end{vmatrix}$	
8 SILTY CLAY, Dark staining, reddish	
$\begin{bmatrix} 48 \\ 48 \end{bmatrix} = \begin{bmatrix} 8 \\ 8 \end{bmatrix}$ SILTY CLAY, Dark staining, reddish brown, moist 0	
SILTY CLAY, reddish brown, moist	
SAND WITH CLAY, brown, wet	
	Water observed at
36 12 SILTY SAND, brownish red, wet 0	11'
SILTY CLAY, reddish brown, moist	
Bottom of borehole at 15.0 feet.	
I hereby certify that the information on this form is true and correct to the best of my knowledge. Signature Firm OMNNI Associates Inc Tal: 020 735 6900	

Signature	Firm	OMNNI Associates, Inc.	Tel: 920-735-6900
		1 N Systems Drive Appleton, WI 54914	4Fax: 920-830-6100

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	W

Watershed/Wastewater

Waste Management
Other

													Pag		of	1	
	y/Projec					License/Permit/Monitoring Number B							Boring Number SB-7				
	N. C			f crew chief (first, last) a	nd Firm	Date Dr	illing S	tarted	Dat	e Drilli	ng Com	pleted					
-		-				Date Drining Control					F						
			Samp			11/3/2		. .		/3/201			Dir			eoprobe	
WIUr	nique W	ell No).	DNR Well ID No.	Common Well Name		itic Wa Feet]		el	Surfac	e Eleva Fee	tion et MS]	r	В		Diameter inches	
Local	Grid Oı	rigin	(es	stimated: 🗌) or Boi	ing Location	1					County				2.0	menes	
State	Plane				E S/C/N	La		<u>1° 15</u>		49.8 "							
F '1'	1/4	of	1	/4 of Section ,	T N, R	Lon	0 —	<u>3° 24</u>		20.5 "	X: 82	77047	2 Fee	t Y:	56297	202 Feet	
Facilit	уШ			County Outagamie		County Co 45	ode	Civil T Appl		ity/ or	village						
Sar	nple			ouuguine		15						Soil	Prope	erties			
	1		t l	Soil/R	ock Description											-	
a		Blow Counts	Depth In Feet		ologic Origin For						Compressive Strength (tsf)	\$				Its	
Type Type	Length Att. Recovered (× Cc	th In		ch Major Unit		CS	phic	l	PID/FID	ngth	Moisture Content (%)	ii d	ticity		RQD/ Comments	
Number and Type	Len	Blov	Dep				U S	Graphic Log	Well Diagram	DI	Con	Moisture Content (9	Liquid Limit	Plasticity Index	P 200	RQD/ Comm	
	48 24			PAVEMENT		/			0000								
			-0.5	Asphalt SAND AND GI	DAVEL grou	/											
			-1.0	SAND, and Cla		/											
			- 1.0	hydrocarbon od	or, moderate dark												
			-1.5	staining, fill, rec	ldish brown to dar	k											
			E_2.0	biown, moist													
			E 2.0														
			-2.5							0							
			E_3.0														
			F														
			E-3.5														
			-4.0														
	24 24		Ę														
			-4.5														
			E_5.0														
			E							27						Sample from 5'-6'	
SB-07			5.5														
	-		E-6.0		1			<i>\////</i>								NT .	
					al at 6.0 feet.	•t										No water observed	
				Dottom of t	forenoie at 0.0 iee												
I hereł	by certif	fy that	the info	rmation on this form is t	ue and correct to the b	est of my k	nowled	ge.									
Signat	ure					MNNI As					el: 920-7						
					1 N	Systems D	rive A	ppleton	<u>, WI</u> 5	4914Fa	x: 920-8	<u>830-6</u> 10	00				

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	Wa

Watershed/Wastewater

Waste Management
Other

													Pag	·	of	1
Facilit	-					License/Permit/Monitoring Number Boring Number SB-08/TW-8										TWIO
	N. C			f crew chief (first, last) a	nd Firm	Date Dri	Date Drilling Started Date Drilling Completed Drilling							1 W-0		
-		-					-					L		-		
	ss Soi		Samp	le DNR Well ID No.	Common Well Name	11/3/2 Final Sta		4 T		3/201	.7 e Elevat	·	Dir			eoprobe Diameter
WIUn	ique w	en no	•	DINK WEII ID NO.	Common wen Name		feet I		21	Surfac		t MS	L	BC		inches
Local		rigin	(es		ring Location		t44		; '	49.8 "	County					
State		C		,	E S/C/N						v. 07	77100	0 E	4 V. 5	(207	254 E4
Facilit	1/4 v ID	of	1	/4 of Section , County	T N, R	Long		Civil T				//129	0 Fee	t Y: 3	6297	254 Feet
	,			Outagamie		45		Appl		5	0					
San	nple											Soil	Prope	erties	1	
	(in) (in)	ıts	eet		Rock Description						sf)					
er /pe	n Att ered	Cour	In F		eologic Origin For		s	<u>1</u> 2.	u m		tessi th (t	ure ht (%		ity		ients
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Ea	ch Major Unit		SC	Graphic Log	Well Diagram	PID/FID	Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
a Z	48	В	- <u>-</u>	PAVEMENT			D	L G	≥ <u>∩</u>		N C	20		P 1	Р	
	48		E-0.5	Asphalt					1	0						
			E I		GRAVEL, brown											
			= 1.0	brick	Concrete, some Re	ed										
			E-1.5													
			Ē													
			=2.0													
			-2.5							0						
			E3.0													
SB-08																
			-3.5							0						Sample from
			E-4.0													3'-4'
	24 24		– – . –													
			E-4.5													
			E-5.0													
			Ē													Water observed @
			E-5.5													5ft BGS
	_		E_6.0	D	1											
					sal at 6.0 feet. borehole at 6.0 feet.											
				Dottoin of												
I hereb	y certif	fy that	the info	rmation on this form is t	rue and correct to the bes	st of my kr	owled	ge.								

Signature	Firm	OMNNI Associates, Inc.	Tel: 920-735-6900
		1 N Systems Drive Appleton, WI 5491	4Fax: 920-830-6100

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route	To:	Wa

Watershed/Wastewater

Waste Management
Other

													Pag		of	1
Facilit	y/Projec N. C					License/Permit/Monitoring Number Boring Number SB-09/TW-09										
				f crew chief (first, last) a	nd Firm	Date Drilling Started Date Drilling Com					ng Com					
Cai	C -;	ا معر ا	Same	1.		11/3/2	017		11	/3/201	7		Dir	oct D	1ch/G	eoprobe
	ique W		Samp	DNR Well ID No.	Common Well Name	Final Sta		ter Leve			e Elevat	tion				Diameter
	•						Feet l	MSL				t MSI			2.0	inches
Local State	Grid Oı Plane	rigin			ing Location \Box E S/C/N	La	nt <u>4</u> 4	<u>° 15</u>	•	50.0 "	County	Coordi	nates			
State	1/4	of	1	/4 of Section ,	T N, R	Lon	g <u>88</u>	<u>8° 24</u>	.'	2.2 "	X: 82	77272	7 Fee	tY: :	56299	638 Feet
Facilit	y ID			County		County Co	ode	Civil T		ity/ or `	Village					
San	nple			Outagamie		45		Appl	eton		1	Soil	Prope	erties		
	1 I		÷	Soil/R	lock Description											-
. o	Att. 8 ed (i	ounts	ı Fee		eologic Origin For						ssive 1 (tsf,	。 (%)		~		nts
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Eac	ch Major Unit		SCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	200	RQD/ Comments
Nur and		Blo					D S	Grap Log	Well Diagr	PIL	Co1 Str	Col Mo	Liquic	Plastic Index	P 2	RQD/ Comr
	48 48			PAVEMENT Asphalt		[1							
			1		RAVEL, with Clay]				0						
			<u>-</u> 2	SILTY CLAY.	hydrocarbon odor, o	lark				1.5						G 1.6
SB-09			-3	reddish brown v						1.5						Sample from 2'-2.5'
			L	SILTY CLAY.	trace Gravel, reddis	h										
	48 48			brown, dense to	firm					0						
	-10		-5													
			-6													
																No water observed
			8													
-	48		-8													
	48		E_9													
			Ē													
			-11													
			-12													
	36 36															
			-13													
			-14		······································	0										
			-15		with Clay, moist, so											
_			⁻¹⁵	Bottom of b	orehole at 15.0 feet	t.										
I hereb	by certif	y that	the info	rmation on this form is the	ue and correct to the bes	st of my ki	nowled	ge.								

Signature	Firm OMNNI Associates, Inc. Tel: 920-735-6900	
	1 N Systems Drive Appleton, WI 54914Fax: 920-830-6100	

SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

Route To:	Watershed/Wastewater	
-----------	----------------------	--

Remediation/Redevelopment

Waste Management
Other

																ge 1	of	1
Facilit	y/Proje N. C						Lic	License/Permit/Monitoring Number Boring Number SB-10/TW-10									TW-10	
				f crew chief	(first, last) a	nd Firm	Da	Date Drilling Started Date Drilling Com				ng Com	pleted	Dril	Iing Me		1 w-10	
2	,				() -								ig com		Din	ing in	dilota	
			Samp					1/3/20				3/201			Dir			eoprobe
WI Un	ique W	ell No	•	DNR Wel	l ID No.	Common Well Nam	ne Fin			er Leve	el	Surfac	e Elevat		r	Bc		Diameter
Local	Grid Or	rigin		stimated:) or Bo	ring Location		1	Feet N	ASL			Fee County	et MS			2.0	inches
State]		iigiii				E S/C/N		Lat	44	<u>°</u> <u>15</u>	<u> </u>	50.1 "	County	Coord	nates			
	1/4	of	1	/4 of Section	1,	T N, R		Long	88	<u>°</u> _24	.'	19.9 "	X: 82	77505	0 Fee	et Y: 5	6299	818 Feet
Facility	y ID				inty			nty Coc	le			ity/ or V	Village					
		1	1	Oı	ıtagamie		45			Appl	eton	-	1	~ 11		<u> </u>		
San	1	-												Soil	Prope	erties		-
	Length Att. & Recovered (in)	Its	eet			Rock Description							ev (j					
r pe	Length Att. Recovered (Blow Counts	Depth In Feet			eologic Origin For			\mathbf{v}	ى د	в		Compressive Strength (tsf)	Moisture Content (%)		ity		ents
Number and Type	ngth cove) MC	pth		Ea	ch Major Unit			$^{\rm S}$ C	Graphic Log	Well Diagram	PID/FID	mpr	Moisture Content ('	Liquid Limit	Plasticity Index	200	RQD/ Comments
an C		BI	De						Ŋ	Grap Log	D K	PII	Str C	Σΰ	Ei:	Pl ⁶ Inc	P	C R
	48 30		Ę			sphalt Asphalt		/			1							
			<u>-1</u>			RAVEL, fill, gray WITH GRAVEL					1							
						e Wood, fill, brow												
			É	reddis	h brown	e ((600, 111, 610)					ļ	0						
			-3	SAND		reddish brown, so	oft]							
SB-10			-4	SANL	, SIL1,	icuuisii biowii, sc	JII]							Sample from
	48		F ⁴	4]							3-4'	
	48		-5									0						Pushed Gravel/rock
			E	SILTY	CLAY,	reddish brown, dı	ry,											at 4.6-4.8
			E-6		to hard	,												
			E ₇															
			Ę									0						
	48		<u>-8</u>															
	48		E_9															
			É															
			-10									0						
			Ē.															
			E 11															
-	36		-12															
	36		È .a									0						
			= 13	SILTY	CLAY,	reddish brown, m	noist,											
			E-14	soft														
			E															
	1		-15	Bo	ottom of b	orehole at 15.0 fe	eet.			*/////								
I hereb	y certif	fy that	the info	rmation on t	his form is t	rue and correct to the	best of	my kn	owledg	ge.								·

Signature	ⁿ OMNNI Associates, Inc. Tel: 920-7	35-6900
	1 N Systems Drive Appleton, WI 54914Fax: 920-8	30-6100

State of Wis., Dept. of Natural Resources dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to DNR Bureau:											
Verification Only of Fill and Seal					ər		Watershed/W	Vastewater	Reme	diation/Redeve	lopment
,			v	/aste Manag	gemer	nt 🗌	Other:	L	7-		
1. Well Location Inform						2. Facility	/ Owner Inf	ormation	10000000		Contraction of the
	WI Unique Well # Removed Well	t of Hi	cap #		-	Facility Nam	е		1	1 -	
Outagamie	Itemoved wen					222 North O			21	B-01	
Latitude / Longitude (see in:	structions)	Format C	ode	Method Co	de	Facility ID (F	ID or PWS)				
Lettado / Longitado (oco ini	N			GPS0							
						License/Perr	nit/Monitoring]#			
1/4 1/4 1/4	W Section	Towns		Range		Original Wel	Oumor			_	
or Gov't Lot #		TOWN] E						
Well Street Address			N		JW	Valley Premi Present Wel	ier Property, L Owner	_LC			
222 North Oneida Street							er Property, L				
Well City, Village or Town			Well	ZIP Code		the set of the set of the	ess of Preser				
City of Appleton			5491			3420 Nikode	m Lane				
Subdivision Name			Lot #			City of Prese	ent Owner		State	ZIP Code	
					-	Abrams			WI	54101	
Reason for Removal from S	ervice WI Ur	ique Well #	of Re	placement V	Vell			en, Casing & Se	aling Ma	terial	AN VALLA
Assessment Complete		<u> </u>	— -				piping remov	ved?	Ļ	Yes No	X N/A
3. Filled & Sealed Well						Liner(s) re Liner(s) p			Ļ	Yes No	N/A
Monitoring Well	Original C	onstruction	Date (mm/dd/yyyy	/)	Screen re				Yes No	N/A
Water Well	11/03/201	7					it in place?			Yes No	N/A □ N/A
Borehole / Drillhole			n Repo	ort is availab	le,		•				
Construction Type:	please at	tach.					ng cut off belo g material rise			Yes No	N/A CR
	river (Conductor)	. г					ial settle after				
	riven (Sandpoint		Dug	1			was hole reto			Yes No	
Other (specify): Geor	brobe				_	If bentonit	e chips were	used, were they hy			
Formation Type:								n safe source?		Yes No	JAN/A
Unconsolidated Forma		Bedroc						ng Sealing Material			
Total Well Depth From Grou	und Surface (ft.)	Casing Di	ameter	· (in.)			ctor Pipe-Gra		r Pipe-Pun	•	
3.0		2" Boreho	e				ed & Poured	Other (Ex	plain): <u>Gra</u>	vity	
Lower Drillhole Diameter (in	.)	Casing De	epth (ft.	.)		Sealing Mate					
2" Borehole		-				Neat C	ement Grout		Concret	е	
Was well annularspace grou	uted?	│Yes [X No	Unkne	0\//D		Cement (Conc		X Bentonit		
					OWIT			Monitoring Well Bo	reholes Or	nly:	
If yes, to what depth (feet)?	Dep	th to Water	(teet)				iite Chips	Bent	onite - Cer	nent Grout	
						Granul	ar Bentonite		onite - San		
5. Material Used to Fill	Well / Drillhol	е				From (ft.)	To (ft.)	No. Yards, Sacks Volume (circ		r Mix Rat Mud We	
Asphalt Patch						Surface	0.2	.1 Cubic Foot		- Waa-We	
Bentonite Chips						0.2	3.0		ing		100
					_						
6. Comments	The second second second	a denamente					And the second second		1000 - 155	A PARTY TO A PARTY	

7. Supervision of Work	DNR Use Only					
Name of Person or Firm Doing Filling & Sealing Geiss Soil and Samples	Licens			Filling & Sealing or Verification /yyyy) 11/03/2017	Date Received Noted By	
Street or Route W4490 Pope Road				Telephone Number (715) 539-3928	Comments	
	State WI	ZIP Code 54452		Signature of Person Doing V Christopher Rogers / OMNN		Date Signed 11/03/2017

State of Wis., Dept. of Natural Resources dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal	Drinking Water		Watershed/V	Vastewater	Remediati	ion/Redevelopment	
	Waste Manageme	nt 🗌	Other:				
1. Well Location Information		2. Facility	/ Owner Inf	ormation			
Removed Well	Hicap #	Facility Nam 222 North O	ie ineida Street		51	13-02	
Outagamie		Facility ID (F	ID or PWS)	-1			
Latitude / Longitude (see instructions) Format	D GPS008						
w 🗆 🛙	DM OTH001		mit/Monitoring] #			
¼ / ¼ ¼ Section Tow or Gov't Lot #	nship Range E	Original Wel					
Well Street Address	<u>N</u>	Valley Prem Present Wel	ier Property, L I Owner				
222 North Oneida Street		- ee	ier Property, l	10			
Well City, Village or Town	Well ZIP Code	1	ress of Preser				
City of Appleton	54911	3420 Nikode	em Lane				
Subdivision Name	Lot #	City of Prese	ent Owner		State Z	IP Code	
		Abrams			WI 5	i 4101	
Reason for Removal from Service WI Unique Well	# of Replacement Well			en, Casing & Sea	ling Materi		
Assessment Complete		1	d piping remov	ved?	Ye		
3. Filled & Sealed Well / Drillhole / Borehole		Liner(s) re			Ye		
Monitoring Well Original Construction	n Date (mm/dd/yyyy)		erforated?		∐ Ye		
Water Well 11/03/2017		Screen re	ft in place?		∐ Ye		
If a Well Constructi	If a Well Construction Report is available,			w surface?			
Construction Type:			ig material rise		∐ Ye ✓Ye		
			ial settle after		∑ Te		
	Dug	If yes, was hole retopped?					
Other (specify): <u>Geoprobe</u>		If bentonite chips were used, were they hydrated					
Formation Type:				n safe source?	Ye	es No N/A	
Unconsolidated Formation Bedro		Required Method of Placing Sealing Material					
	Diameter (in.)		ctor Pipe-Gra		Pipe-Pumped	1	
1. C3 2" Boreh		(Bento	ned & Poured nite Chips)	Other (Exp	lain): Gravity		
· · · · · · · · · · · · · · · · · · ·	Depth (ft.)	Sealing Mate	erials Cement Grout	_	Concrete		
2" Borehole			Cement (Cond	rete) Grout	Bentonite Cl	hins	
Was well annularspace grouted? Yes	X No Unknown		-	Monitoring Well Bord	_		
If yes, to what depth (feet)? Depth to Wate	r (feet)	Bentor	nite Chips	Bento	onite - Cement	t Grout	
		Granul	ar Bentonite		onite - Sand SI	lurry	
5. Material Used to Fill Well / Drillhole		From (ft.)	To (ft.)	No. Yards, Sacks Volume (circle	Sealant or e one)	Mix Ratio or Mud Weight	
Asphalt Patch		Surface	0.2	.1 Cubic Foot			
Bentonite Chips		0.2	1.0'	.1 629			
6. Comments							

7. Supervision of Work	R. CALL				DI	R UseOnly	
Name of Person or Firm Doing Filling & Sealing License # Geiss Soil and Samples			1	Filling & Sealing or Verification /yyyy) 11/03/2017	Date Received	Noted By	
Street or Route W4490 Pope Road				Telephone Number (715) 539-3928	Comments		
· · · · ·	State WI	ZIP Code 54452		Signature of Person Doing W Christopher Rogers / OMNN		Date Signed 11/03/2017	

State of Wis., Dept. of Natural Resources dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

			Roi	_		Bureau:	_						
Verification Only	of Fill an	nd Seal	ļL	Dr	inking V	Vater		Watershed/W	Vastewater	Reme	ediation	Redeve	lopment
				W	aste Ma	inagemer	nt 🗌	Other:		10 22 March 1			
1. Well Location Inform	nation	States .		1950	Sine and	C DENN		/ Owner Inf	ormation	in the same		a Rouge	
County	WI Unique Removed		Hica	р#			Facility Name 222 North Oneida Street					7 0	7
Outagamie	i temoved	TTC:									> 15	1-0	2
Latitude / Longitude (see in	structions)	Fo	rmat Cod	e	Method	Code	Facility ID (F	FID or PWS)					
0 (N		-	GI	PS008	1 is a set (Des						
		W				CR002 TH001	License/Per	mit/Monitoring] #				
Ya Ya Ya	s	ection	Townshi	p	Range	E	Original We	ll Owner					
or Gov't Lot #				Ν		W	Valley Prem	ier Property, L	LC				
Well Street Address							Present We						
222 North Oneida Street								ier Property, L					
Well City, Village or Town					ZIP Cod	е	-	ress of Preser	nt Owner				
City of Appleton				4911			3420 Nikode City of Pres	1997 TT 27		Etata		Code	- <u>17 - 9 - 17 - 17</u>
Subdivision Name			L	ot #				ent Owner		State	105/306-6799		
Deesee for Deesewal from (Dan ta	MILLING	Alell di al		_t		Abrams	iner Scree	en, Casing & Se	WI aling Ma	5410 torial	JI	- Andrewson and a
Reason for Removal from S Assessment Complete	Service	WI Unique	e vveli # oi	r Rep	blaceme	ent vveli		d piping remov			Yes	No	X N/A
3. Filled & Sealed Well	/ Drillbo				ation		Liner(s) r			Γ	Yes	No	N/A
		ginal Const				vvvv)	Liner(s) p	erforated?		Г	Yes	No	M/A
Monitoring Well				(.		,,,,,,	Screen removed?						🔀 N/A
Water Well		03/2017					Casing le	ft in place?		Ē	Yes	XNo	N/A
Borehole / Drillhole		Well Cons ase attach		Rebo	rt is ava	ilable,	Was casi	ng cut off belo	w surface?		Yes	No	N/A
Construction Type:							Did sealir	ng material ris	e to surface?	5	Yes	No	N/A
🔀 Drilled 🛛 🗆	Driven (San	dpoint)		Dug			Did mate	rial settle after	24 hours?	Ľ	Yes	No	N/A
Other (specify): Geo	probe			-				, was hole ret	• •		Yes	No	⊲ ∕N/A
Formation Type:									used, were they hy n safe source?	drated	Yes	No	N/A
Unconsolidated Forma	ation		Bedrock						ng Sealing Material				
Total Well Depth From Gro		e (ft.) Ca	sing Diam	eter	(in.)			ctor Pipe-Gra			nped		
0.9			Borehole		()			ned & Poured	Other (Ex	plain): Gra	avity		
Lower Drillhole Diameter (in		the second se	sing Dept	h (ft.)		Sealing Mat	nite Chips) erials					
2" Borehole			_	2	NIA		Neat C	Cement Grout		Concre	te		
Was well annularspace gro	outed?	 Ye			30	nknown		Cement (Cond		X Bentoni		5	
If yes, to what depth (feet)?)		Water (fe	_			1	ng Wells and nite Chips	Monitoring Well Bo	<i>reholes Oi</i> tonite - Ce	-	rout	
				/				lar Bentonite		tonite - Ce			
5. Material Used to Fil	l Well / Di	rillhole				1-20-0-2	From (ft.)	To (ft.)	No. Yards, Sacks	s Sealant o	or	Mix Rat	io or
Asphalt Patch			ALASSA DE	5 - 40	1.11.12.13	12 10 2 10	Surface	0.2	Volume (circ .1 Cubic Foot	le one)		Mud We	eight
Bentonite Chips			_				0.2	0,9'	.1 6ag				
	10												
6. Comments	NO. PERSONAL OF	and the second	TRUS B	-1.72	A LANGE	1000	COLUMN THE P			The second second			and the second

7. Supervision of Work	DNR Use Only					
Name of Person or Firm Doing Filling & Sealing License #				illing & Sealing or Verification yyy) 11/03/2017	Date Received	Noted By
Street or Route W4490 Pope Road			T (elephone Number 715)539-3928	Comments	
, , , , , , , , , , , , , , , , , , , ,		ZIP Code 54452		Signature of Person Doing V Christopher Rogers / OMNN		Date Signed 11/03/2017

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

				Route	to DNR Bureau:						
Verification Only	of Fill a	nd Sea	1		rinking Water		Watershed/V	Vastewater	/ Remedi	ation/Redeve	elopment
				V	Vaste Manageme	nt 🗌	Other:				_
1. Well Location Inform		Can Kitter		21 2 1	A State of Street	2. Facility	/ Owner Inf	formation		State of the	STANTUR
County	WI Unique Removed		of	licap #		Facility Nam	ie				
Outagamie	Reinoveu	vell					neida Street			50-0	4
Latitude / Longitude (see in	structions)	Format (Code	Method Code	Facility ID (F	FID or PWS)				
Lastado / Longitado (500 il	00000000	N N			GPS008						
		w		DM	SCR002	License/Per	mit/Monitoring	; #			
7/4 / 7/4 7/4	5	Section	Towr	nship	Range E	Original Wel	ll Owner				
or Gov't Lot #				N	W	Valley Prem	ier Property, I I Owner	LLC			
Well Street Address						Present Wel	Owner				
222 North Oneida Street				_			ier Property, l				
Well City, Village or Town					ZIP Code		ress of Preser	nt Owner			
City of Appleton 54911						3420 Nikode			101		
Subdivision Name				Lot #		City of Prese	ent Owner		State	ZIP Code	
Boonon for Domewal from (Daniaa	M/L Linia	we Well	# -6 12-		Abrams	iner Scree	en, Casing & Sea	WI Ning Mate	54101 rial	-
Reason for Removal from S Assessment Complete	Service		lue vveii	# of Re	placement Well		d piping remov			Yes No	X N/A
3. Filled & Sealed Well	L/ Drillbo	lo/Ror	aholol	-	ation	Liner(s) re	emoved?		믇.	Yes No	N/A
					(mm/dd/yyyy)	Liner(s) p	erforated?			Yes No	N/A
Monitoring Well		_				Screen re	moved?			Yes No	N/A
Water Well		/03/2017				Casing let	ft in place?		, U	Yes X No	N/A
Borehole / Drillhole		a vveli Co ease atta		on Repo	ort is available,	Was casir	ng cut off belo	w surface?		Yes No	N/A
Construction Type:						Did sealin	g material rise	e to surface?		Yes No	
Drilled	Driven (Sar	ndpoint)		Duc	1	Did mater	ial settle after	24 hours?		Yes No	N/A
Other (specify): Geo	probe		,		·		, was hole ret		L. J.	Yes 🗌 No	N/A
Formation Type:			-					used, were they hyon safe source?		Yes No	DN/A
Unconsolidated Forma	ation	Г	Bedro	-k				ng Sealing Material			2
Total Well Depth From Gro			Casing D		(in)		ctor Pipe-Gra		Pipe-Pump	od	
3.0'			_		(11.)		ned & Poured	·			
Lower Drillhole Diameter (ir			2" Boreh		<u> </u>	(Bento	nite Chips)	🗙 Other (Exp	plain): <u>Gravit</u>	<u>Y</u>	
ndet.	.,		Casing D	eptin (it	.)	Sealing Mate	erials Cement Grout	Г	Concrete		
2" Borehole							Cement (Cond	crete) Grout	Bentonite	Chine	
Was well annularspace gro	uted?		Yes	X No	Unknown		-	Monitoring Well Bor	_	•	
If yes, to what depth (feet)?		Depth	to Wate	r (feet)		Bentor	nite Chips	Bento	onite - Cerne	nt Grout	
-			-			Granul	ar Bentonite	Bento	onite - Sand	Slurry	
5. Material Used to Fill	Well / D	rillhole	1994			From (ft.)	To (ft.)	No. Yards, Sacks Volume (circle	Sealant or e one)	Mix Rat Mud We	
Asphalt Patch						Surface	0.2	.1 Cubic Foot			
Bentonite Chips						0.2	3.01	. 25 69	9		
C. C											
6. Comments	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	State of the second second			「「「「「「「」」」	A DESCRIPTION OF THE OWNER OF	The state of the s	STATES AND AND	personal procession		

7. Supervision of Work		DNR Use Only				
Name of Person or Firm Doing Filling & Sealing Geiss Soil and Samples		se #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 11/03/2017			Noted By
Street or Route W4490 Pope Road		Telephone Number (715)539-3928			Comments	
	State VI	ZIP Code 54452		Signature of Person Doing V Christopher Rogers / OMNN		Date Signed 11/03/2017

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Route to DNR Bu					Bureau:							1.10	
Verification Only	of Fill ar	nd Sea	a l		rinking V	Vater		Watershed/W	Vastewater	X	Remedi	ation/Redev	elopment
				٧	Vaste Ma	nagemer	nt 🗌	Other:		47	-11-		
1. Well Location Inform	nation		SPACE OF	aller 1 - 3	1996	1. 1. 1. 1.	2. Facility	/ Owner Inf	ormation	No. of Concession			The second
County	WI Unique		of 占	icap #			Facility Nam	ie			0	0 -0	-
Outagamie	Removed	vveli						neida Street			<u> </u>	3-05	
Latitude / Longitude (see in	structions		Format C	ode	Method	Code	Facility ID (F	FID or PWS)					
	ion donorio,	N				PS008							
· · · · · · · · · · · · · · · · · · ·		- w		-		CR002 FH001	License/Per	mit/Monitoring	; #				
1/4/1/4 1/4	S	Section	Town	ship	Range	E E	Original We	ll Owner					
or Gov't Lot #				N		w []	Valley Prem	ier Property, L	LC				
Well Street Address							Present We	ier Property, L I Owner					
222 North Oneida Street								ier Property, L					
Well City, Village or Town Well ZIP Code						e	Mailing Add	ress of Preser	nt Owner				
City of Appleton				5491	1		3420 Nikode						
Subdivision Name				Lot #			City of Pres	ent Owner		1	State	ZIP Code	
							Abrams		-		WI	54101	
Reason for Removal from S	Service	WI Unic	que Well i	[#] of Re	placeme	nt Well		Liner, Scree		a & Sealii		rial Yes No	X N/A
Assessment Complete							Liner(s) re					Yes No	
3. Filled & Sealed Well			nstruction			0000		erforated?				Yes No	AN/A
Monitoring Well		ginai Co	nstruction	Date	(mm/du/y	(УУУ)	Screen re					Yes No	N/A
Water Well	11/	03/2017					Casing le	ft in place?				Yes XNo	N/A
Borehole / Drillhole		a Well Co ease atta	onstructio Ich.	n Repo	ort is avai	ilable,		ng cut off belo	w surface?			Yes No	
Construction Type:							1	ng material rise		?		Yes No	N/A
	Driven (San	(dpoint	Γ	Dug	1		Did mater	rial settle after	24 hours?		E.	Yes 🗖 No	⊡N/A
Other (specify): Geo	•		L		,			, was hole ret				Yes 🗌 No	N/A
Formation Type:								te chips were r from a know				Yes 🗌 No	N/A
Unconsolidated Forma	ation	Г	Bedroo	k				ethod of Placir					
Total Well Depth From Gro		e (ft.)	Casing Di		r (in.)			ctor Pipe-Gra		onductor Pi	pe-Pump	ed	
0.1			2" Boreho		()		Screer	ned & Poured		her (Explai			
Lower Drillhole Diameter (ir	n.)		Casing D		.)		Sealing Mat	nite Chips) erials					
2" Borehole			_	-			Neat C	Cement Grout			Concrete		
Was well annular space gro	uted?		Yes	X No		nknown		Cement (Conc		L	Bentonite	-	
If yes, to what depth (feet)?			to Water					ng Wells and	، Monitoring	_			
		100ptil		(1001)				nite Chips	Ļ		e - Ceme		
							Granu	lar Bentonite			e - Sand		
5. Material Used to Fill	Well / D	rillhole			Stant P		From (ft.)	To (ft.)	No. Yards Volun	, Sacks Se ne (circle o	alant or ne)	Mix Ra Mud W	tio or 'eight
Asphalt Patch							Surface	0.2	.1 Cubic				
Bentonite Chips							0.2	0,8	./	509			
6. Comments	A COLUMN TWO IS NOT	And in case		The New York	of the second								
o. comments	Section Section	A CONTRACTOR OF THE OWNER	COLUMN STATE						all in the second	A CONTRACTOR OF THE OWNER		ADDING DOALD	

7. Supervision of Work									
Name of Person or Firm Doing Filling & Sealing Geiss Soil and Samples			Date of Filling & Sealing or Verification (mm/dd/yyyy) 11/03/2017		Date Received	Noted By			
Street or Route W4490 Pope Road				Telephone Number (715)539-3928	Comments				
	State //I	ZIP Code 54452		Signature of Person Doing W Christopher Rogers / OMNN		Date Signed 11/03/2017			

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

			1	Route	to DNR Bureau:						
Verification Only	of Fill ar	าd Sea	1	D	rinking Water		Watershed/V	Vastewater	Remedi	ation/Redeve	lopment
				N	/aste Managemei	nt 🗌	Other:				
1. Well Location Inform		Constant of the	L. Tanta	100	1 Mary 12 Mary	2. Facility	/ Owner Int	formation	A CONTRA	NEISTRAND	
County	WI Unique		of H	icap #		Facility Nam	ie		C	DF	7
Outagamie	Removed	vveii					neida Street		2	13-57	
Latitude / Longitude (see in	structions		Format C	ode	Method Code	Facility ID (F	ID or PWS)				
	ion donorio)	N			GPS008						
		_			SCR002	License/Per	mit/Monitoring) #			
<u></u>		W Section			Range E	Original We	Owner				
or Gov't Lot #				N		-					
Well Street Address						Present We	ier Property, I Owner	_LU		-	
222 North Oneida Street						Valley Prem	ier Property, l	LC			
Well City, Village or Town				Well	ZIP Code		ress of Preser			.9	
City of Appleton				5491	1	3420 Nikode	em Lane				
Subdivision Name				Lot #		City of Pres	ent Owner		State	ZIP Code	
						Abrams			wi	54101	
Reason for Removal from S	Service	WI Unio	que Well #	f of Re	placement Well			en, Casing & Sea	ling Mate	rial	ALC: NO.
Assessment Complete				. — .			d piping remo	ved?		Yes No	X N/A
3. Filled & Sealed Well						Liner(s) re			님.	Yes No	M/A
Monitoring Well	Ori	ginal Co	nstruction	Date (mm/dd/yyyy)	Screen re	erforated?			Yes No	CN/A
Water Well	11/	03/2017					ft in place?		<u> </u>	Yes No	M/A
Borehole / Drillhole				n Repo	ort is available,		ng cut off belo			Yes X No	<u>N/A</u>
Construction Type:	pie	ease atta	cn.				ig material ris			Yes No	N/A
		ala a ta A)	Г				ial settle after			Yes No Yes XNo	∐N/A ∏N/A
	Priven (San	apoint)	L	Dug			, was hole ret			Yes No	AN/A
Other (specify): Geo	probe							used, were they hyd			
Formation Type:			_					n safe source?		Yes No	A/A
Unconsolidated Forma			Bedroc	k		Required Me	ethod of Placi	ng Sealing Material			
Total Well Depth From Gro		e (ft.)	Casing Di	ameter	(in.)	Condu	ctor Pipe-Gra	vity Conductor	Pipe-Pump	ed	
6.0			2" Boreho	le			ned & Poured nite Chips)	Cher (Exp	lain): <u>Gravit</u>	У	
Lower Drillhole Diameter (ir	ו.)		Casing De	epth (ft	.)	Sealing Mate	erials				
2" Borehole				-			Cement Grout		Concrete		
Was well annular space gro	uted?		Yes	X No	Unknown		Cement (Cond	-	Bentonite	•	
If yes, to what depth (feet)?		Depth	to Water				-	Monitoring Well Bore			
			-	()			nite Chips		nite - Ceme		
5 Meterial Load to Fill			-	1000		States of the second state of the	ar Bentonite	No. Yards, Sacks S	nite - Sand	Slurry Mix Rat	io or
5. Material Used to Fill		niinole	C. Harris		The Party of the	From (ft.)	To (ft.)	Volume (circle	one)	Mud We	
Asphalt Patch						Surface	0.2	.1 Cubic Foot			
Bentonite Chips						0.2	6.0'	. 25 5	29		
6. Comments	ALL STREET, ST. O.	STOLEND		Cara Co In 197	A PARTY THE PARTY				Contraction of the local division of the	The state of the second second	The second second
The second se	and the second se	and the second se	and the second second			THE OWNER WATER ADDRESS OF THE OWNER					and the second se

7. Supervision of Work	DNR Use Only					
Name of Person or Firm Doing Filling & Sealing Geiss Soil and Samples	Licens	se #	1	Filling & Sealing or Verification yyyy) 11/03/2017	Date Received	Noted By
Street or Route W4490 Pope Road				Telephone Number (715)539-3928	Comments	
	State //I	ZIP Code 54452		Signature of Person Doing V Christopher Rogers / OMNN	Vork I Associates	Date Signed 11/03/2017

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

		F	loute	o DNR Bureau:						
Verification Only	of Fill and Sea	u	D	rinking Water		Watershed/V	Vastewater	Remedia	ation/Redeve	lopment
			□ N	aste Manageme	nt 🗌	Other:				
1. Well Location Inform			1	A DECEMBER	2. Facility	/ Owner Inf	formation			Marchine
County Outagamie	WI Unique Well # Removed Well	of Hi	cap #		Facility Nam 222 North C	ne Ineida Street		S	B-0°	8/108
					Facility ID (I	FID or PWS)		al a state of the		1
Latitude / Longitude (see ir	istructions) N W	Format C	ł	Method Code GPS008 SCR002 OTH001	License/Per	mit/Monitoring	g #			
¼ / ¼ ¼ or Gov't Lot # //	Section	Towns	ship N	Range E	Original We					
Well Street Address					Present We	ier Property, I II Owner	LLC			
222 North Oneida Street					Vallev Prem	ier Property, I	LC			
Well City, Village or Town			Well	ZIP Code		ress of Prese				
City of Appleton			5491		3420 Nikode	em Lane				
Subdivision Name			Lot #		City of Pres	ent Owner		State	ZIP Code	
					Abrams			WI	54101	
Reason for Removal from S	Service WI Uni	que Well #	of Re	placement Well			en, Casing & Se	aling Mater	ial	
Assessment Complete			<u> </u>		1 · ·	d piping remo	ved?	L Y	es No	X N/A
3. Filled & Sealed Wel					Liner(s) r				∕es ∐No	AN/A
Monitoring Well	Original Co	Instruction	Date (mm/dd/yyyy)	Screen re	erforated?		<u> </u>		AN/A
Water Well	11/03/2017	,			1	ft in place?			es No	∐ N/A □ N/A
Borehole / Drillhole			n Repo	rt is available,						
Construction Type:	please atta	ach.			1	ng cut off belo ng material ris				N/A
		Г			1	rial settle after		2	res ∐No	N/A N/A
	Driven (Sandpoint)	L	Dug			, was hole ret		⊣.	es No	
Other (specify): Geo	probe				· ·		used, were they hy	drated		
Formation Type:							n safe source?		res No	AN/A
Unconsolidated Form		Bedrocl					ng Sealing Material			
Total Well Depth From Gro		Casing Dia	ameter	(in.)		ictor Pipe-Gra		r Pipe-Pumpe		
6,0		2" Borehol	е			ned & Poured inite Chios)	Other (Ex	plain): Gravity	L	
Lower Drillhole Diameter (in	n.)	Casing De	pth (ft)	Sealing Mat	erials	_	_		
2" Borehole			6'			Cement Grout				
Was well annular space gro	outed?	Yes	X No	Unknown		Cement (Cono ing Wells and	crete) Grout	X Bentonite (reholes Only:	-	
If yes, to what depth (feet)?	P Depti	to Water	(feet)		Bento	nite Chips	Bent	onite - Cemei	nt Grout	
_		4	5		Granu	lar Bentonite	Bent	onite - Sand S	Slurry	
5. Material Used to Fil	l Well / Drillhole	9		The All Address	From (ft.)	To (ft.)	No. Yards, Sacks Volume (circ	Sealant or	Mix Rati Mud We	
Asphalt Patch					Surface	0.2	.1 Cubic Foot			
Bentonite Chips					0.2	6.0'	. 25 629			
6 Commonte	a (1) and a second s	and the second					/			
6. Comments	TAX TOP DATE NAME OF TAX		ERE CON		COLOR BUSHIE		A LOS AND AN LOS AD	and the second second		Sector Contest

7. Supervision of Work				DN	R UseOnly
Name of Person or Firm Doing Filling & Sealing Geiss Soil and Samples	Licens		Filling & Sealing or Verification /yyyy) 11/03/2017		Noted By
Street or Route W4490 Pope Road			Telephone Number (715)539-3928	Comments	
· · · · · · · · · · · · · · · · · · ·		ZIP Code 54452	 Signature of Person Doing W Christopher Rogers / OMNN		Date Signed 11/03/2017

APPENDIX 4

HANDBOOK OF FIELD PROCEDURES

HANDBOOK OF FIELD PROCEDURES

TABLE OF CONTENTS

Personnel Qualifications	1
Soil Boring Installation Procedures	2
Soil Sampling Procedures Minimum Sample Headspace Equilibration Time Instrument Specifications	3
Monitoring Well Installation and Development Procedures	
Groundwater Sampling Procedures and Volatile Organic Compound (VOC) Sampling Notes	5
Decontamination Procedures Drilling	7 7
Table 1 – Soil Sample Preparation Guide*	9
Table 2 – Soil Sample Analysis Guide for Petroleum Contamination	.10
Table 3 – Groundwater Sample Preparation Guide*	.11

PERSONNEL QUALIFICATIONS

	Completed 40-hour hazardous waste training.					
	Bachelors Degree in Electrical Engineering from University of Wisconsin-Milwaukee.					
Brian D. Wayner:	Masters Degree in Environmental Engineering from University of New Haven.					
	PECFA Consultant Registration #47551.					
	Licensed Professional Engineer (no. 35304), State of Wisconsin					
	Completed 40-hour hazardous waste training.					
	Bachelors Degree in Geology from University of Notre Dame.					
Don Brittnacher:	Masters Degree in Environmental Health Engineering from University of Notre Dame.					
	Licensed Professional Geologist (no. 462), State of Wisconsin					
	Licensed Professional Engineer (no. 30286), State of Wisconsin					
	PECFA Consultant Registration/Certified Site Assessor-42127.					
	Completed 40-hour hazardous waste training.					
Jason C. Weis:	Bachelors Degree in Civil Engineering from University of Wisconsin-Platteville.					
	Masters Degree in Environmental Engineering from University of Wyoming.					
	Licensed Professional Engineer (no. 36681), State of Wisconsin					
	Completed 40-hour hazardous waste training.					
Kimberly Kennedy:	Associate Degree in Natural Resources, Fox Valley Technical College.					
	Completed 40-hour hazardous waste training.					
Christopher J.	Completed OSHA Site Supervisor and OSHA 10 training.					
Rogers:	Bachelors Degree in Geology (hydro-geology emphasis) from University of Wisconsin-Oshkosh					

1

SOIL BORING INSTALLATION PROCEDURES

A number of different drilling and Geoprobing[®] firms are used for environmental investigations. Borings intended to be converted to monitoring wells are advanced using 7 5/8" outside diameter (O.D.) x 4.5" inside diameter (I.D.) hollow stem augers or 6.25" O.D. solid stem augers powered by a truck-mounted drill rig. If bedrock drilling is required, borings are advanced using either air or mud-rotary drilling techniques. Soil borings not intended for monitoring wells are typically advanced using 4" O.D. solid stem augers. The Geoprobe[®] typically advances a 2" diameter hole. All soil borings that are not converted to permanent or temporary groundwater monitoring wells are properly abandoned per chapter NR 141, Wisconsin Administrative Code.

Samples are typically obtained from each boring at 2.5' intervals by split-spoon sampling according to American Society for Testing and Materials (ASTM) Standard D 1586. A portion of each sample is screened with a photoionization detector (PID). At each sampling interval, a representative portion of the soil is also collected for possible laboratory analysis. Soil samples are chosen from each boring for laboratory analysis based on headspace screening data, and visual and olfactory observations. In general, the sample from each boring that exhibits the highest PID reading is chosen for analysis. See the Soil Sampling Procedures below for further information pertaining to field headspace analysis and sample collection procedures.

SOIL SAMPLING PROCEDURES

All soil sampling is performed in accordance with the Wisconsin Department of Natural Resources (WDNR) publication PUBL-SW-127, <u>Soil Sampling Requirements for LUST Site Investigations and Excavations</u> and chapter COMM 10, <u>Flammable and Combustible Liquids</u>, Wis. Adm. Code. The soil samples are collected and analyzed in accordance with methods described in Table C-3 in Appendix C of WDNR PUBL-RR-614, <u>Interim Guidance On Natural Attenuation For Petroleum Releases</u>, 1999. Our standard instruments and sample collection procedures are as follows:

- 1. Soil samples are collected from a split-spoon sampler or a polyethylene tube during environmental drilling.
- 2. Sample collector wears new latex exam gloves when collecting samples to decrease the risk of personal exposure and cross contamination.
- 3. A portion of the sample is collected in a sampling syringe and placed in an appropriate container (see Table 1), immediately placed on ice, and later delivered to a WDNR-certified laboratory for analysis. This procedure is discussed in more detail later in this report.

4. The remaining portion of the sample is placed in a clean 4 oz. jar (approx. halffilled), and sealed with aluminum foil and a teflon-lined lid. The headspace sample is then agitated for a minimum of 30 seconds and allowed to equilibrate. Minimum equilibration time will correspond to the following specifications:

Ambient Outside Air Temperature at the	Minimum Amount of Time Sample Must
Time of Sample Collection:	equilibrate at 70° F or Greater Temperature:
< 40 °F	40 minutes
41 – 55 °F	20 minutes
56 – 69 °F	10 minutes
> 70 °F	5 minutes

Minimum Sample Headspace Equilibration Time

Instrument Specifications

When the sample has completed equilibration, it is promptly field analyzed with a portable PID. OMNNI uses either a Photovac Inc. Microtip HL-200 or ML-1000 or a Thermo Environmental Instruments Model 580A organic vapor monitor (OVM), both equipped with an 11.2 ev lamp. A background reading is first taken. The PID probe is then inserted into the jar through a single hole in the aluminum foil. The instrument reading is measured at one-half the distance between the foil seal and the sample surface. The measured reading is then recorded.

Isobutylene at a concentration of 100 ppm is used for field calibration gas. The PID meter is field calibrated at the following times:

- At the beginning of each day
- After any significant change in temperature or humidity
- Every three hours
- After any repairs to the instrument are performed

All samples are returned to the laboratory as soon as possible, usually the day the sample was collected. All samples are returned to the laboratory under chain-of-custody protocol, using form #4400-151. Time of sample collection and sample PID reading are listed. Care is taken to ensure that the chain-of-custody form is properly and fully completed before submitting to the laboratory. The samples are sent to a laboratory certified by the WDNR.

Table 2 on page 9 outlines the required WDNR laboratory analysis for specific contaminants. Soil analyses, other than those in Table 2, will be conducted in accordance with methods approved by the WDNR.

MONITORING WELL INSTALLATION AND DEVELOPMENT PROCEDURES

The permanent monitoring wells are typically constructed of two-inch, schedule 40, flushthread polyvinyl chloride (PVC) casings and slotted well screens. Temporary wells are constructed of one-inch diameter, schedule 40 PVC casings and slotted screens. Prior to use, well parts are individually wrapped in plastic.

Permanent wells are installed and developed according to chapter NR 141, Wis. Adm. Code. The monitoring wells are installed with five to fifteen-foot screens which are placed in the borings to intersect the water table. Piezometers are installed with five-foot screens sealed beneath the water table. Filter pack and annular space seal material are installed by gravity as the augers are withdrawn from the hole. Wells are cut to the required height using a PVC pipe cutter.

An as-constructed well and boring survey is performed by OMNNI once field work is complete. Elevations are either based on a local datum of 100 feet, or a United States Geological Survey (USGS) elevation, assigned to a mark on a reference point located at the site. Ground elevation is surveyed to the nearest 0.1 foot, and the top of the well casing to the nearest 0.01 foot.

A horizontal grid system is established at the site with the origin of the grid set on the reference point. Wells and borings are located with respect to this grid system.

To properly develop each permanent monitoring well, water is removed until a consistent water quality is obtained. This is done by removing 10 times the water volume in the well and filter pack, removing water until it is free of sediment, or removing the water until the well is purged dry. Water is removed from the wells by bailing the water with as little agitation as possible. If the water level is unaffected by bailing and large amounts of water are to be removed, the well is developed by using the surge and purge method with a centrifugal pump. No water is added to the well during development. Temporary wells may be developed by allowing the peristaltic pump to run until the water is as clear as possible.

The development water is drummed, pending the results of analytical testing. If the well is suspected to be clean and small volumes of water are to be removed, the water may be spread on pavement to volatilize any possible contaminants. If the water is contaminated, it is properly disposed.

GROUNDWATER SAMPLING PROCEDURES AND VOLATILE ORGANIC COMPOUND (VOC) SAMPLING NOTES

- A. Devices used to measure water elevation, purge wells and retrieve samples:
 - 1. Groundwater levels are measured with a fiberglass reel tape with a weighted stainless steel "sounder" at the end.
 - 2. In wells that have free product on top of the water surface, depth to water and depth to product are measured with a fiberglass reel tape with an interface probe at the end.
 - 3. Wells are purged and samples are collected by one of the following methods:
 - a) Wells are purged with a disposable bailer.
 - b) Alternate purging and sampling equipment consisting of a peristaltic groundwater sampling pump.
- B. Procedures for calculating purge volumes, purging wells and sampling:
 - 1. Wells are normally sampled starting from the upgradient area and progressing toward the downgradient area of the site. When the degree of contamination is known, least contaminated wells are sampled first, the more contaminated wells sampled last.
 - 2. All the wells are opened before the depth to groundwater is determined to allow groundwater to equilibrate.
 - 3. Wells are purged with a bailer by removing four water volumes within a casing or all the water until the well runs dry. When using a peristaltic pump, water is removed for 10 to 20 minutes.
 - 4. Once all the wells have been purged, the samples are drawn using equipment mentioned above. (See Table 3 Water Sample Preparation Guide)
 - 5. Sample odor, turbidity, temperature, conductivity, dissolved oxygen (DO) and pH are determined on the unfiltered portions of the sample and recorded on the well specific field sheet.
 - 6. When the sample requires filtering, the sample is filtered with a hand pump or an in-line pump (as soon after collection as possible).
 - 7. Quality Assurance/Quality Control Samples

- a) Trip and field blanks each consist of three new 40 milliliter (ml) vials filled with deionized water. These are sent to the laboratory for petroleum volatile organic compound (PVOC) or VOC analysis.
- b) One field blank should be analyzed for every 10 samples collected. At least one trip blank is taken per site visit. Trip blanks are poured, labeled, and sealed, then taken out in the field. Field blanks are poured, labeled, and sealed at the site. Trip blanks are kept with all samples collected until reaching the field. If there is a possibility for field cross-contamination of samples, field blanks may be taken at the sample collector's discretion.
- c) One temperature blank may be collected per batch of samples.
- d) One duplicate sample may be collected with every 10 samples.
- 8. Samples are refrigerated, then transported to a WDNR-certified laboratory for testing as soon as possible.
- 9. A chain-of-custody form is filled out, listing all samples collected, requested laboratory analysis, date and time of collection, and the name of the sample collector. This document remains with the samples at all times and bears the names of all persons handling the samples until they are received at the laboratory.
- C. Procedures for cleaning equipment:
 - 1. In the field, sampling equipment is rinsed with a 10% methanol solution and then flushed three times with deionized water between each well sampled.
 - 2. Equipment that is still contaminated after field cleaning will be rinsed with tap water, washed off with detergent, rinsed with a 10% methanol solution, and flushed three times with deionized water.
- D. Transporting samples to laboratory:
 - 1. Filtered, preserved, labeled, and sealed samples are placed on ice and transported to the laboratory for analysis as soon as possible.
 - 2. The laboratory will be notified by the sample collector when courier service is required.
- E. The above procedures constitute normal groundwater sampling procedures for permanent groundwater monitoring wells. Modifications to each of the outlined items may be applicable for site specific conditions or special volatile organic sampling considerations. Methods used are consistent with WDNR's <u>Groundwater</u>

DECONTAMINATION PROCEDURES

Decontamination is the process of removing and/or neutralizing contaminants that may have accumulated on personnel protective equipment (PPE) and equipment. Proper decontamination is a critical element in the control of hazards which helps ensure the health and safety of workers. Proper decontamination also contains the contamination to the site, thus preventing further environmental problems.

Drilling

The following decontamination procedures should be used when completing borings, installing monitoring wells, and/or installing remediation systems.

- A. Between samples, the split spoon will be cleaned in a multiple rinse, surfactant solution (soap and water or Alconox solution.)
- B. The sample will be collected while wearing new latex exam gloves.
- C. The surface upon which the sample is collected is cleaned between samples.
- D. The latex exam gloves are changed between samples.
- E. Soil which has accumulated around the boring will either be stockpiled or drummed. If the soil is stockpiled, it will be placed on and covered with plastic. The stockpiled or drummed soil will later be disposed in compliance with the WDNR regulations.
- F. Upon completion of the boring, the augers will be decontaminated by drilling contractors before they are used again. The following procedures will be followed when decontaminating drilling equipment:
 - 1. A decontamination basin lined with plastic is set up near the work area.
 - 2. All contaminated equipment is placed in the decontamination basin.
 - 3. A pressurized steam cleaner is used to clean all contaminated equipment.
 - 4. Following steam cleaning, the auger is removed from the decontamination basin.
 - 5. Upon completion of the job, the accumulated water in the decontamination basin is pumped out and placed in a drum. Wash water used for cleaning the split spoons is also added to the drum. The drum will be disposed in

compliance with all regulatory agencies. The plastic used in the decontamination basin is disposed in compliance with all regulatory agencies.

TABLE 1 – SOIL SAMPLE PREPARATION GUIDE*

TEST	CONTAINER SIZE**	SAMPLE SIZE	PRESERVATIVE	HOLDING TIME
GRO Gasoline Range Organics	2 oz. wide mouth glass jar or 40 ml vial (2 per sample)	25 g – jar 13 g – vial	25 ml Methanol (purge & trap grade) – jar none required – vial	4 days
DRO Diesel Range Organics	2 oz. wide mouth glass jar or 40 ml vial (2 per sample)	25 g – jar 13 g – vial	None	4 days
Total Lead/ or all RCRA Metals	4 oz. wide mouth plastic jar (2 per sample)	4 oz.	None	6 months
VOC / PVOC Volatile Organic Compounds	2 oz. wide mouth glass jar or 40 ml vial (2 per sample)	25 g – jar 13 g – vial	25 ml Methanol (purge & trap grade) – jar none required – vial	4 days preserved , 48 hours non- preserved
PCB Polychlorinated Biphenyls	PCB4 oz. wide mouth glass jar		None	14 days
PAH Polynuclear Aromatic Hydrocarbons	4 oz. wide mouth glass jar (2 per sample)	4 oz.	None	14 days

* All samples will be sealed, labeled, and placed on ice immediately after collection.

** To ensure a proper seal between the sample container and the cap, no soil shall remain on the jar or cap threads. When samples are collected with the syringe, a 40 ml vial is used and the sample is preserved by the laboratory.

TABLE 2 – SOIL SAMPLE ANALYSIS GUIDE FOR PETROLEUM CONTAMINATION

PETROLEUM SUBSTANCE	CLOSURE ASSESSMENT	SOLID WASTE PRO./LANDFILLS	SITE INVESTIGATIONS
Gasoline Aviation Fuel	GRO	Free Liquids GRO Benzene Haz. Waste Det.	GRO PVOC/VOC Pb
Diesel Jet Fuel No.'s 1, 2, 4 Fuel Oil	DRO	Free Liquids GRO Benzene Haz. Waste Det.	DRO PVOC PAH
Crude Oil Lubricat. Oil No. 6 Fuel Oil	DRO	Free Liquids DRO Haz. Waste Det.	DRO PAH
Unknown Petroleum	GRO and DRO	Free Liquids GRO and DRO Pb, Cd, CN, S Haz Waste Det.	GRO and DRO VOC/PVOC PAH Pb, Cd
Waste Oil	DRO	Free Liquids DRO VOC Pb, Cd, CN, S Haz. Waste Det.	DRO VOC/PVOC PAH PCB Pb, Cd

TABLE 3 – GROUNDWATER SAMPLE PREPARATION GUIDE*

TEST	SAMPLE SIZE / CONTAINER	PRESERVATIVE	HOLDING TIME
VOC / PVOC Volatile Organic Compounds	3 - 40 ml vials filled with no headspace	0.5 ml of 1:1 HC1	14 days
DRO Diesel Range Organics	1 - 1 liter amber glass bottles	5 ml of 1:1 HC1	7 days
GRO Gasoline Range Organics	3 - 40 ml vials filled with no headspace	0.5 ml of 1:1 HC1	14 days
PAH Polynuclear Aromatic Hydrocarbons	1 - 1 liter amber glass bottles	None	7 days
PCB Polychlorinated Biphenyls	1 - 1 liter amber glass bottle	None	7 days
LEAD / RCRA metals **	1 - 250 ml plastic bottle	2 ml of HNO₃ or to a pH of <2	6 months

* All samples will be sealed, labeled, and placed on ice immediately after collection.

** When testing for dissolved metals, the sample will be field filtered before preservation.

APPENDIX 5

LABORATORY ANALYSIS RESULTS AND CHAIN OF CUSTODY DOCUMENTATION

Synergy Environmental Lab, INC.

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

CHRIS ROGERS OMNNI ASSOCIATES INC ONE SYSTEMS DRIVE APPLETON WI 54914-1654

Report Date 15-Nov-17

Project Name Project #		22 N. ONEIDA 2214G17						Invo	bice # E3384	43		
Lab Code Sample ID Sample Matri		5033843A TRIP BLANK Water										
Sample Date		10/31/2017										
•		Re	sult	Unit	LOD I	LOO D	il	Method	Ext Date	Run Date	Analyst	Code
Organic					-	- •						
VOC's												
			< 0.17	u a/1	0.17	0.55	1	9260D		11/0/2017	CJR	1
Benzene Bromobenzene			< 0.17	ug/l	0.17 0.43	0.55 1.37	1 1	8260B 8260B		11/9/2017 11/9/2017	CJR CJR	1 1
Bromodichlorom	othe		< 0.43 < 0.31	ug/l	0.43	1.57	1	8260B 8260B		11/9/2017	CJR CJR	1
Bromoform	eura	ane	< 0.31	ug/l ug/l	0.31	1.56	1	8260B 8260B		11/9/2017	CJR	1
tert-Butylbenzen	~		< 0.49	ug/l	0.49	1.30	1	8260B 8260B		11/9/2017	CJR	1
sec-Butylbenzen			< 0.39	ug/l	0.39	0.76	1	8260B 8260B		11/9/2017	CJR	1
n-Butylbenzene	2		< 0.24 < 0.34	ug/l	0.24	1.08	1	8260B 8260B		11/9/2017	CJR	1
Carbon Tetrachlo	rida	2	< 0.34	ug/1 ug/1	0.34	0.68	1	8260B		11/9/2017	CJR	1
Chlorobenzene	Jinu	c	< 0.21	ug/1 ug/1	0.21	0.86	1	8260B		11/9/2017	CJR	1
Chloroethane			< 0.5	ug/l	0.27	1.6	1	8260B		11/9/2017	CJR	1
Chloroform			< 0.96	ug/l	0.96	3.04	1	8260B		11/9/2017	CJR	1
Chloromethane			< 1.3	ug/l	1.3	4.15	1	8260B		11/9/2017	CJR	1
2-Chlorotoluene			< 0.36	ug/l	0.36	1.15	1	8260B		11/9/2017	CJR	1
4-Chlorotoluene			< 0.35	ug/l	0.35	1.11	1	8260B		11/9/2017	CJR	1
1,2-Dibromo-3-c	hlor	ropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/9/2017	CJR	1
Dibromochlorom			< 0.45	ug/l	0.45	1.44	1	8260B		11/9/2017	CJR	1
1,4-Dichlorobenz			< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,3-Dichlorobenz			< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,2-Dichlorobenz	zene		< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Dichlorodifluoro	met	hane	< 0.38	ug/l	0.38	1.2	1	8260B		11/9/2017	CJR	1
1,2-Dichloroetha	ne		< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,1-Dichloroetha	ne		< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,1-Dichloroethe	ne		< 0.46	ug/l	0.46	1.47	1	8260B		11/9/2017	CJR	1
cis-1,2-Dichloroe	ethe	ne	< 0.41	ug/l	0.41	1.29	1	8260B		11/9/2017	CJR	1
trans-1,2-Dichlor	roetl	hene	< 0.35	ug/l	0.35	1.12	1	8260B		11/9/2017	CJR	1
1,2-Dichloroprop	oane	•	< 0.39	ug/l	0.39	1.24	1	8260B		11/9/2017	CJR	1
1,3-Dichloroprop	oane	•	< 0.49	ug/l	0.49	1.55	1	8260B		11/9/2017	CJR	1
trans-1,3-Dichlor	ropr	opene	< 0.42	ug/l	0.42	1.33	1	8260B		11/9/2017	CJR	1
cis-1,3-Dichlorop	prop	bene	< 0.21	ug/l	0.21	0.65	1	8260B		11/9/2017	CJR	1

Project Name222 N. ONEIDAProject #N2214G17

Lab Code	5033843A
Sample ID	TRIP BLANK
Sample Matrix	Water

10/31/2017

Sample Date

Invoice # E33843

	Result	Unit	LOD L	OQ Di	1	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		11/9/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		11/9/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		11/9/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		11/9/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		11/9/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		11/9/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		11/9/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		11/9/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		11/9/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		11/9/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		11/9/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		11/9/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		11/9/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		11/9/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		11/9/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		11/9/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		11/9/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		11/9/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		11/9/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		11/9/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		11/9/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		11/9/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		11/9/2017	CJR	1
SUR - Dibromofluoromethane	95	REC %			1	8260B		11/9/2017	CJR	1
SUR - Toluene-d8	91	REC %			1	8260B		11/9/2017	CJR	1
SUR - 4-Bromofluorobenzene	93	REC %			1	8260B		11/9/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		11/9/2017	CJR	1

0	222 N. ONEI N2214G17	IDA	Invoice # E33843								
Lab Code	5033843B										
Sample ID	SB-01										
Sample Matrix	Soil										
Sample Date	11/3/2017										
		Result	Unit	LOD	LOQ I	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		87.6	%			1	5021		11/6/2017	NJC	1
Inorganic											
Metals											
Cadmium, Total		< 0.08	mg/Kg	0.08	0.25	1	6010B		11/10/2017	CWT	1
Lead, Total		108	mg/Kg	0.00	0.58		6010B		11/10/2017	CWT	1
Organic			8								
PAH SIM											
Acenaphthene		< 0.0151	ma/ka	0.0151	0.0481	1	M8270C	11/6/2017	11/13/2017	NJC	1
Acenaphthylene		< 0.0131	mg/kg mg/kg	0.0151	0.0481		M8270C M8270C	11/6/2017	11/13/2017	NJC	1
Anthracene		< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracer	ne	0.0163 "J"	mg/kg	0.0116		1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene		0.0158 "J"	mg/kg	0.0113	0.0359	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranth	ene	0.0297 "J"	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)peryle	ene	0.0268 "J"	mg/kg	0.0114	0.036	1	M8270C	11/6/2017	11/13/2017	NJC	3
Benzo(k)fluoranth	ene	0.0177 "J"	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene		0.0231 "J"	mg/kg	0.0121	0.0383	1	M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthr	acene	< 0.0078	mg/kg	0.0078		1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene		0.026 "J"	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	2
Fluorene Indeno(1,2,3-cd)p	urana	< 0.0179 < 0.0114	mg/kg mg/kg	0.0179 0.0114	0.057 0.0362	1	M8270C M8270C	11/6/2017 11/6/2017	11/13/2017 11/13/2017	NJC NJC	1 1
1-Methyl naphthal	•	< 0.0114 0.036 "J"	mg/kg	0.0203	0.0302	1	M8270C M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthal		0.052	mg/kg	0.0203	0.0358		M8270C	11/6/2017	11/13/2017	NJC	1
Naphthalene		0.0303 "J"	mg/kg	0.0153	0.0486		M8270C	11/6/2017	11/13/2017	NJC	1
Phenanthrene		0.0219 "J"	mg/kg	0.0111	0.0352	1	M8270C	11/6/2017	11/13/2017	NJC	1
Pyrene		0.0242 "J"	mg/kg	0.0153	0.0487	1	M8270C	11/6/2017	11/13/2017	NJC	1
VOC's											
Benzene		< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2017	CJR	1
Bromobenzene		< 0.025	mg/kg	0.025	0.081	1	8260B		11/8/2017	CJR	1
Bromodichlorome	thane	< 0.074	mg/kg	0.074	0.24	1	8260B		11/8/2017	CJR	1
Bromoform		< 0.029	mg/kg	0.029	0.092		8260B		11/8/2017	CJR	1
tert-Butylbenzene		< 0.026	mg/kg	0.026			8260B		11/8/2017	CJR	1
sec-Butylbenzene		< 0.033	mg/kg	0.033		1	8260B		11/8/2017	CJR	1
n-Butylbenzene Carbon Tetrachlor	ida	< 0.04 < 0.016	mg/kg mg/kg	0.04 0.016			8260B 8260B		11/8/2017 11/8/2017	CJR CJR	1 1
Chlorobenzene	lue	< 0.010	mg/kg	0.010			8260B 8260B		11/8/2017	CJR	1
Chloroethane		< 0.091	mg/kg	0.091	0.04		8260B		11/8/2017	CJR	1
Chloroform		< 0.035	mg/kg	0.035		1	8260B		11/8/2017	CJR	1
Chloromethane		< 0.076	mg/kg	0.076		1	8260B		11/8/2017	CJR	1
2-Chlorotoluene		< 0.015	mg/kg	0.015	0.047	1	8260B		11/8/2017	CJR	1
4-Chlorotoluene		< 0.018	mg/kg	0.018	0.057	1	8260B		11/8/2017	CJR	1
1,2-Dibromo-3-ch		< 0.058	mg/kg	0.058			8260B		11/8/2017	CJR	1
Dibromochlorome		< 0.025	mg/kg	0.025			8260B		11/8/2017	CJR	1
1,4-Dichlorobenze		< 0.037	mg/kg	0.037			8260B		11/8/2017	CJR	1
1,3-Dichlorobenze 1,2-Dichlorobenze		< 0.037 < 0.028	mg/kg mg/kg	0.037 0.028			8260B 8260B		11/8/2017 11/8/2017	CJR CJR	1 1
Dichlorodifluorom		< 0.028	mg/kg	0.028			8260B 8260B		11/8/2017	CJR	1
1,2-Dichloroethan		< 0.038	mg/kg	0.038			8260B		11/8/2017	CJR	1
1,1-Dichloroethan		< 0.034	mg/kg	0.034		1	8260B		11/8/2017	CJR	1
1,1-Dichloroethen	e	< 0.022	mg/kg	0.022		1	8260B		11/8/2017	CJR	1

Project Name	222 N. ONEIDA
Project #	N2214G17

Lab Code	5033843B
Sample ID	SB-01
Sample Matrix	Soil
Sample Date	11/3/2017

Sample Date 11/3/2017										
	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/8/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/8/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/8/2017	CJR	1
Ethylbenzene	0.041 "J"	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/8/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/8/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/8/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/8/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/8/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Toluene	0.072 "J"	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/8/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/8/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/8/2017	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
1,2,4-Trimethylbenzene	0.10	mg/kg	0.025	0.08	1	8260B		11/8/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/8/2017	CJR	1
m&p-Xylene	0.132 "J"	mg/kg	0.072	0.23	1	8260B		11/8/2017	CJR	1
o-Xylene	0.048 "J"	mg/kg	0.044	0.14	1	8260B		11/8/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Dibromofluoromethane	97	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Toluene-d8	99	Rec %			1	8260B		11/8/2017	CJR	1

Project Name Project #	222 N. ONEI N2214G17	IDA					Invo	bice # E3384	43		
Lab Code	5033843C										
Sample ID	SB-6										
Sample Matrix	s Soil										
Sample Date	11/3/2017										
-		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General					-					-	
General											
Solids Percent		85.6	%			1	5021		11/6/2017	NJC	1
		85.0	70			1	5021		11/0/2017	NJC	1
Inorganic											
Metals											
Cadmium, Total		< 0.08	mg/Kg	0.08	0.25		6010B		11/10/2017	CWT	1
Lead, Total		16	mg/Kg	0.17	0.58	1	6010B		11/10/2017	CWT	1
Organic											
PAH SIM											
Acenaphthene		0.041 "J"	mg/kg	0.0151	0.0481	1	M8270C	11/6/2017	11/13/2017	NJC	1
Acenaphthylene		< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	11/6/2017	11/13/2017	NJC	1
Anthracene		0.089	mg/kg	0.0109	0.0345		M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracer	ne	0.288	mg/kg	0.0116	0.037		M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene		0.278	mg/kg	0.0113	0.0359		M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranth		0.42	mg/kg	0.013	0.041		M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)peryle Benzo(k)fluoranth		0.247	mg/kg	0.0114	0.036 0.0469		M8270C M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene	iene	0.159 0.34	mg/kg mg/kg	0.0147 0.0121	0.0469		M8270C M8270C	11/6/2017 11/6/2017	11/13/2017 11/13/2017	NJC NJC	1 1
Dibenzo(a,h)anthr	acene	0.0125 "J"	mg/kg	0.0078	0.0383		M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene	acene	0.76	mg/kg	0.0078	0.0251		M8270C	11/6/2017	11/13/2017	NJC	1
Fluorene		0.0197 "J"	mg/kg	0.0179	0.057		M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)p	vrene	0.20	mg/kg	0.0114	0.0362		M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphtha	•	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphtha		< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	11/6/2017	11/13/2017	NJC	1
Naphthalene		< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	11/6/2017	11/13/2017	NJC	1
Phenanthrene		0.234	mg/kg	0.0111	0.0352	1	M8270C	11/6/2017	11/13/2017	NJC	1
Pyrene		0.66	mg/kg	0.0153	0.0487	1	M8270C	11/6/2017	11/13/2017	NJC	1
VOC's											
Benzene		< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2017	CJR	1
Bromobenzene		< 0.025	mg/kg	0.025	0.081	1	8260B		11/8/2017	CJR	1
Bromodichlorome	ethane	< 0.074	mg/kg	0.074	0.24	1	8260B		11/8/2017	CJR	1
Bromoform		< 0.029	mg/kg	0.029	0.092		8260B		11/8/2017	CJR	1
tert-Butylbenzene		< 0.026	mg/kg	0.026	0.084		8260B		11/8/2017	CJR	1
sec-Butylbenzene		< 0.033	mg/kg	0.033	0.1		8260B		11/8/2017	CJR	1
n-Butylbenzene	• •	< 0.04	mg/kg	0.04	0.13		8260B		11/8/2017	CJR	1
Carbon Tetrachlor	ride	< 0.016	mg/kg	0.016	0.053		8260B		11/8/2017	CJR	1
Chlorobenzene Chloroethane		< 0.013 < 0.091	mg/kg	0.013 0.091	0.04 0.29		8260B 8260B		11/8/2017 11/8/2017	CJR CJR	1 1
Chloroform		< 0.031	mg/kg mg/kg	0.091	0.29		8260B 8260B		11/8/2017	CJR	1
Chloromethane		< 0.035	mg/kg	0.035	0.24		8260B 8260B		11/8/2017	CJR	1
2-Chlorotoluene		< 0.015	mg/kg	0.015	0.047		8260B		11/8/2017	CJR	1
4-Chlorotoluene		< 0.018	mg/kg	0.018	0.057		8260B		11/8/2017	CJR	1
1,2-Dibromo-3-ch	lloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochlorome	ethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenze	ene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenze		< 0.037	mg/kg	0.037	0.12		8260B		11/8/2017	CJR	1
1,2-Dichlorobenze		< 0.028	mg/kg	0.028	0.088		8260B		11/8/2017	CJR	1
Dichlorodifluoron		< 0.048	mg/kg	0.048	0.15		8260B		11/8/2017	CJR	1
1,2-Dichloroethan		< 0.038	mg/kg	0.038	0.12		8260B		11/8/2017	CJR	1
1,1-Dichloroethan		< 0.034	mg/kg	0.034	0.11		8260B		11/8/2017	CJR	1
1,1-Dichloroethen	le	< 0.022	mg/kg	0.022	0.069	1	8260B		11/8/2017	CJR	1

Project Name	222 N. ONEIDA
Project #	N2214G17

Lab Code	5033843C
Sample ID	SB-6
Sample Matrix	Soil
Sample Date	11/3/2017

Sample Date 11/3/2017										
	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/8/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/8/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/8/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/8/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/8/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/8/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/8/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/8/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/8/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/8/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/8/2017	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		11/8/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/8/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		11/8/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		11/8/2017	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	Rec %			1	8260B		11/8/2017	CJR	1

0	222 N. ONEI N2214G17	DA					Inve	oice # E3384	43		
Lab Code Sample ID Sample Matrix Sample Date	5033843D SB-7 Soil 11/3/2017										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General Solids Percent		83.6	%			1	5021		11/6/2017	NJC	1
Inorganic Metals											
Cadmium, Total		0.14 "J"	mg/Kg	0.08	0.25	1	6010B		11/10/2017	CWT	1
Lead, Total		281	mg/Kg	0.00	0.23		6010B		11/10/2017	CWT	1
		201	1119/119	0.17	0.50	. 1	00102		11/10/2017	ewr	1
Organic PAH SIM											
Acenaphthene		0.044 "J"	mg/kg	0.0151	0.0481	1	M8270C	11/6/2017	11/13/2017	NJC	1
Acenaphthylene		< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	11/6/2017	11/13/2017	NJC	1
Anthracene		0.079	mg/kg	0.0109	0.0345	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracene	e	0.137	mg/kg	0.0116	0.037	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene		0.118	mg/kg	0.0113	0.0359	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranthe	ene	0.216	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)peryler	ie	0.139	mg/kg	0.0114	0.036	5 1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(k)fluoranthe	ene	0.106	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene		0.211	mg/kg	0.0121	0.0383	1	M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthra	cene	0.0242 "J"	mg/kg	0.0078	0.0251	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene		0.65	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluorene		0.042 "J"	mg/kg	0.0179	0.057	1	M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)py	rene	0.111	mg/kg	0.0114	0.0362	1	M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthale	ene	0.0253 "J"	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthale	ene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	11/6/2017	11/13/2017	NJC	1
Naphthalene		0.0194 "J"	mg/kg	0.0153	0.0486	i 1	M8270C	11/6/2017	11/13/2017	NJC	1
Phenanthrene		0.45	mg/kg	0.0111	0.0352	. 1	M8270C	11/6/2017	11/13/2017	NJC	1
Pyrene		0.47	mg/kg	0.0153	0.0487	1	M8270C	11/6/2017	11/13/2017	NJC	1
VOC's											
Benzene		< 0.03	mg/kg	0.03	0.096	i 1	8260B		11/8/2017	CJR	1
Bromobenzene		< 0.025	mg/kg	0.025	0.081	1	8260B		11/8/2017	CJR	1
Bromodichlorometh	hane	< 0.074	mg/kg	0.074	0.24	- 1	8260B		11/8/2017	CJR	1
Bromoform		< 0.029	mg/kg	0.029	0.092	1	8260B		11/8/2017	CJR	1
tert-Butylbenzene		< 0.026	mg/kg	0.026	0.084	- 1	8260B		11/8/2017	CJR	1
sec-Butylbenzene		< 0.033	mg/kg	0.033	0.1	1	8260B		11/8/2017	CJR	1
n-Butylbenzene		< 0.04	mg/kg	0.04	0.13	1	8260B		11/8/2017	CJR	1
Carbon Tetrachlorio	de	< 0.016	mg/kg	0.016	0.053	1	8260B		11/8/2017	CJR	1
Chlorobenzene		< 0.013	mg/kg	0.013	0.04	- 1	8260B		11/8/2017	CJR	1
Chloroethane		< 0.091	mg/kg	0.091	0.29	1	8260B		11/8/2017	CJR	1
Chloroform		< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
Chloromethane		< 0.076	mg/kg	0.076	0.24	- 1	8260B		11/8/2017	CJR	1
2-Chlorotoluene		< 0.015	mg/kg	0.015	0.047	1	8260B		11/8/2017	CJR	1
4-Chlorotoluene		< 0.018	mg/kg	0.018	0.057	1	8260B		11/8/2017	CJR	1
1,2-Dibromo-3-chlo	oropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochloromet	hane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenzer	ne	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenzer	ne	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,2-Dichlorobenzer	ne	< 0.028	mg/kg	0.028	0.088	1	8260B		11/8/2017	CJR	1
Dichlorodifluorome	ethane	< 0.048	mg/kg	0.048	0.15	1	8260B		11/8/2017	CJR	1
1,2-Dichloroethane		< 0.038	mg/kg	0.038	0.12	1	8260B		11/8/2017	CJR	1
1,1-Dichloroethane		< 0.034	mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
1,1-Dichloroethene		< 0.022	mg/kg	0.022	0.069	1	8260B		11/8/2017	CJR	1

Project Name	222 N. ONEIDA
Project #	N2214G17

Lab Code	5033843D
Sample ID	SB-7
Sample Matrix	Soil
Sample Date	11/3/2017

~~~~ <b>r</b>	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/8/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/8/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/8/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/8/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/8/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/8/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/8/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/8/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/8/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/8/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/8/2017	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
1,2,4-Trimethylbenzene	0.098	mg/kg	0.025	0.08	1	8260B		11/8/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/8/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		11/8/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		11/8/2017	CJR	1
SUR - Toluene-d8	103	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			1	8260B		11/8/2017	CJR	1

0	222 N. ONEI N2214G17	IDA					Invo	oice # E3384	43		
Lab Code	5033843E										
Sample ID	SB-08										
Sample Matrix Sample Date	Soil 11/3/2017										
Sample Date	11/3/2017	Result	Unit		LOQ	na	Method	Ext Data	Run Date	Analyst	Code
Conoral		Kesuit	Uшı	LOD	LUQ	DII	Wiethou	Ext Date	Kull Date	Analysi	Coue
General General											
Solids Percent		89.6	%			1	5021		11/6/2017	NJC	1
		89.0	%0			1	3021		11/0/2017	NJC	1
Inorganic Metals											
Cadmium, Total		0.010 "I"	ma/Va	0.09	0.25	5 1	6010B		11/10/2017	CWT	1
Lead, Total		0.010 "J" 114	mg/Kg mg/Kg	0.08 0.17	0.25 0.58		6010B 6010B		11/10/2017 11/10/2017	CWT	1 1
Organic		117	mg/ Kg	0.17	0.50	, 1	0010D		11/10/2017	CWI	1
PAH SIM											
Acenaphthene		< 0.0151	ma/ka	0.0151	0.0481	1	M8270C	11/6/2017	11/12/2017	NIC	1
Acenaphthylene		< 0.0131	mg/kg mg/kg	0.0151 0.0159	0.0481		M8270C M8270C	11/6/2017 11/6/2017	11/13/2017 11/13/2017	NJC NJC	1 1
Anthracene		0.04	mg/kg	0.0109	0.0345		M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracen	e	0.096	mg/kg	0.0116			M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene		0.101	mg/kg	0.0113	0.0359	) 1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranthe	ene	0.176	mg/kg	0.013	0.041	. 1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)peryler	ne	0.138	mg/kg	0.0114	0.036	5 1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(k)fluoranthe	ene	0.087	mg/kg	0.0147	0.0469	) 1	M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene		0.143	mg/kg	0.0121	0.0383		M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthra	icene	< 0.0078	mg/kg	0.0078			M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene		0.314 < 0.0179	mg/kg	0.0147	0.0469 0.057		M8270C M8270C	11/6/2017	11/13/2017	NJC	1 1
Fluorene Indeno(1,2,3-cd)py	rene	< 0.0179	mg/kg mg/kg	0.0179 0.0114			M8270C M8270C	11/6/2017 11/6/2017	11/13/2017 11/13/2017	NJC NJC	1
1-Methyl naphthale		< 0.0203	mg/kg	0.0203	0.0502		M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthale		< 0.0113	mg/kg	0.0113	0.0358		M8270C	11/6/2017	11/13/2017	NJC	1
Naphthalene		< 0.0153	mg/kg	0.0153	0.0486	5 1	M8270C	11/6/2017	11/13/2017	NJC	1
Phenanthrene		0.15	mg/kg	0.0111	0.0352	2 1	M8270C	11/6/2017	11/13/2017	NJC	1
Pyrene		0.246	mg/kg	0.0153	0.0487	1	M8270C	11/6/2017	11/13/2017	NJC	1
VOC's											
Benzene		< 0.03	mg/kg	0.03	0.096	5 1	8260B		11/8/2017	CJR	1
Bromobenzene		< 0.025	mg/kg	0.025			8260B		11/8/2017	CJR	1
Bromodichloromet	hane	< 0.074	mg/kg	0.074			8260B		11/8/2017	CJR	1
Bromoform		< 0.029	mg/kg	0.029	0.092		8260B		11/8/2017	CJR	1
tert-Butylbenzene sec-Butylbenzene		< 0.026 < 0.033	mg/kg mg/kg	0.026 0.033			8260B 8260B		11/8/2017 11/8/2017	CJR CJR	1
n-Butylbenzene		< 0.033	mg/kg	0.033			8260B 8260B		11/8/2017	CJR	1
Carbon Tetrachlori	de	< 0.016	mg/kg	0.016			8260B		11/8/2017	CJR	1
Chlorobenzene		< 0.013	mg/kg	0.013			8260B		11/8/2017	CJR	1
Chloroethane		< 0.091	mg/kg	0.091	0.29	) 1	8260B		11/8/2017	CJR	1
Chloroform		< 0.035	mg/kg	0.035	0.11	. 1	8260B		11/8/2017	CJR	1
Chloromethane		< 0.076	mg/kg	0.076	0.24	- 1	8260B		11/8/2017	CJR	1
2-Chlorotoluene		< 0.015	mg/kg	0.015	0.047		8260B		11/8/2017	CJR	1
4-Chlorotoluene		< 0.018	mg/kg	0.018			8260B		11/8/2017	CJR	1
1,2-Dibromo-3-chl Dibromochloromet		< 0.058 < 0.025	mg/kg mg/kg	0.058 0.025	0.18 0.079		8260B 8260B		11/8/2017 11/8/2017	CJR CJR	1 1
1,4-Dichlorobenzer		< 0.025 < 0.037	mg/kg mg/kg	0.025	0.079		8260B 8260B		11/8/2017	CJR CJR	1
1,3-Dichlorobenzer		< 0.037	mg/kg	0.037	0.12		8260B		11/8/2017	CJR	1
1,2-Dichlorobenzer		< 0.028	mg/kg	0.028			8260B		11/8/2017	CJR	1
Dichlorodifluorom		< 0.048	mg/kg	0.048			8260B		11/8/2017	CJR	1
1,2-Dichloroethane	e	< 0.038	mg/kg	0.038	0.12	2 1	8260B		11/8/2017	CJR	1
1,1-Dichloroethane		< 0.034	mg/kg	0.034			8260B		11/8/2017	CJR	1
1,1-Dichloroethene	•	< 0.022	mg/kg	0.022	0.069	) 1	8260B		11/8/2017	CJR	1

Project Name	222 N. ONEIDA
Project #	N2214G17

Lab Code	5033843E
Sample ID	SB-08
Sample Matrix	Soil
Sample Date	11/3/2017

	Result	Unit	LOD I	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/8/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/8/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/8/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/8/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/8/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/8/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/8/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/8/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/8/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/8/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/8/2017	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		11/8/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/8/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		11/8/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		11/8/2017	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		11/8/2017	CJR	1

- J	222 N. ONEI N2214G17	IDA					Inve	<b>bice</b> # E3384	43		
Lab Code Sample ID Sample Matrix Sample Date	5033843F SB-09 Soil 11/3/2017										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		82.6	%			1	5021		11/6/2017	NJC	1
Inorganic											
Metals											
Cadmium, Total		0.36	ma/Va	0.08	0.25	5 1	6010B		11/10/2017	CWT	1
Lead, Total		0.36 397	mg/Kg mg/Kg	0.08			6010B 6010B		11/10/2017	CWT	1 1
		391	iiig/ Kg	0.17	0.56	<b>5</b> 1	0010B		11/10/2017	CWI	1
Organic											
PAH SIM											
Acenaphthene		< 0.0151	mg/kg	0.0151			M8270C	11/6/2017	11/13/2017	NJC	1
Acenaphthylene		0.0163 "J"	mg/kg	0.0159			M8270C	11/6/2017	11/13/2017	NJC	1
Anthracene		0.032 "J"	mg/kg	0.0109			M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracen	ne	0.062	mg/kg	0.0116			M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene		0.056	mg/kg	0.0113			M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranth		0.086 0.10	mg/kg	0.013 0.0114			M8270C M8270C	11/6/2017 11/6/2017	11/13/2017 11/13/2017	NJC NJC	1 1
Benzo(g,h,i)peryle Benzo(k)fluoranth		0.10 0.033 "J"	mg/kg mg/kg	0.0114			M8270C M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene	ene	0.162	mg/kg	0.0147			M8270C M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthr	acene	0.102 0.0197 "J"	mg/kg	0.0121			M8270C M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene	accile	0.197	mg/kg	0.0078			M8270C M8270C	11/6/2017	11/13/2017	NJC	1
Fluorene		0.0277 "J"	mg/kg	0.0179			M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)py	vrene	0.047	mg/kg	0.0114			M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthal		0.0239 "J"	mg/kg	0.0203			M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthal		0.0197 "J"	mg/kg	0.0113		3 1	M8270C	11/6/2017	11/13/2017	NJC	1
Naphthalene		0.0239 "J"	mg/kg	0.0153	0.0486	5 1	M8270C	11/6/2017	11/13/2017	NJC	1
Phenanthrene		0.139	mg/kg	0.0111	0.0352	2 1	M8270C	11/6/2017	11/13/2017	NJC	1
Pyrene		0.246	mg/kg	0.0153	0.0487	7 1	M8270C	11/6/2017	11/13/2017	NJC	1
VOC's											
Benzene		< 0.03	mg/kg	0.03	0.096	5 1	8260B		11/8/2017	CJR	1
Bromobenzene		< 0.025	mg/kg	0.025	0.081	1	8260B		11/8/2017	CJR	1
Bromodichlorome	thane	< 0.074	mg/kg	0.074	0.24	↓ 1	8260B		11/8/2017	CJR	1
Bromoform		< 0.029	mg/kg	0.029	0.092	2 1	8260B		11/8/2017	CJR	1
tert-Butylbenzene		< 0.026	mg/kg	0.026	0.084	↓ 1	8260B		11/8/2017	CJR	1
sec-Butylbenzene		< 0.033	mg/kg	0.033		1	8260B		11/8/2017	CJR	1
n-Butylbenzene		0.054 "J"	mg/kg	0.04			8260B		11/8/2017	CJR	1
Carbon Tetrachlor	ide	< 0.016	mg/kg	0.016			8260B		11/8/2017	CJR	1
Chlorobenzene		< 0.013	mg/kg	0.013			8260B		11/8/2017	CJR	1
Chloroethane		< 0.091	mg/kg	0.091			8260B		11/8/2017	CJR	1
Chloroform		< 0.035	mg/kg	0.035			8260B		11/8/2017	CJR	1
Chloromethane 2-Chlorotoluene		< 0.076 < 0.015	mg/kg	0.076 0.015			8260B 8260B		11/8/2017 11/8/2017	CJR CJR	1 1
4-Chlorotoluene		< 0.013	mg/kg mg/kg	0.013			8260B 8260B		11/8/2017	CJR CJR	1
1,2-Dibromo-3-ch	loronronane	< 0.018	mg/kg	0.018			8260B 8260B		11/8/2017	CJR	1
Dibromochlorome		< 0.025	mg/kg	0.038			8260B		11/8/2017	CJR	1
1,4-Dichlorobenze		< 0.025	mg/kg	0.025			8260B		11/8/2017	CJR	1
1,3-Dichlorobenze		< 0.037	mg/kg	0.037			8260B		11/8/2017	CJR	1
1,2-Dichlorobenze		< 0.028	mg/kg	0.028			8260B		11/8/2017	CJR	1
Dichlorodifluorom		< 0.048	mg/kg	0.048			8260B		11/8/2017	CJR	1
1,2-Dichloroethan		< 0.038	mg/kg	0.038			8260B		11/8/2017	CJR	1
1,1-Dichloroethan	e	< 0.034	mg/kg	0.034			8260B		11/8/2017	CJR	1
1,1-Dichloroethen	e	< 0.022	mg/kg	0.022	0.069	) 1	8260B		11/8/2017	CJR	1

Project Name	222 N. ONEIDA
Proiect #	N2214G17

Lab Code	5033843F
Sample ID	SB-09
Sample Matrix	Soil
Sample Date	11/3/2017

-	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/8/2017	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/8/2017	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/8/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/8/2017	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/8/2017	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/8/2017	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/8/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/8/2017	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/8/2017	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/8/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/8/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/8/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/8/2017	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/8/2017	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/8/2017	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		11/8/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/8/2017	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		11/8/2017	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		11/8/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		11/8/2017	CJR	1

Index Sample DaySNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-10SNB-	0	222 N. ONEI N2214G17	IDA	<b>Invoice #</b> E33843								
Sample Matrix BandDistant LangeRealeFair LangeRealeFair 	Lab Code	5033843G										
Sample Dri 1/10207Italy is a strain of the str	Sample ID											
nResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResultResult <td>-</td> <td>Soil</td> <td></td>	-	Soil										
General           Jone Second Seco	Sample Date	11/3/2017										
General         Solit         1         Solit         1         N/C         1           Ioorgunic         Imorgunic			Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Solids Pacent         St7.         %         I         SQ1         10.6021         NIC         NIC           Inorganic           Metals           Cardinam, Tonal         <0.08         mg/kg         0.01         0.52         I         6010B         11/10/2017         CWT         1           Coganic              0.015         0.018         I         M0207         1/11/2017         CWT         1           Accomphtance         <0.0151         mg/kg         0.0151         0.0181         I         M8270C         11/62017         11/132017         NC         1           Accomphtance         0.0167         mg/kg         0.0151         0.0181         I         M8270C         11/62017         11/132017         NC         1           Benzo/Ghambace         0.0167         mg/kg         0.0113         0.035         I         M8270C         11/62017         11/132017         NC         1           Benzo/Ghambace         0.0167         mg/kg         0.0113         0.035         I         M8270C         11/62017         11/132017         NC         1           Benzo/Ghambace         0.0167         mg/kg         <	General											
Introgenic         Second marker         Second mark	General											
MetalsCadar.toral<0.08	Solids Percent		87.7	%			1	5021		11/6/2017	NJC	1
MetalsCadar.toral<0.08	Inorganic											
Lead, Total         54         mg Kg         0.17         0.58         1         0408         11/10201         CWT         1           Organis           PAH SIM           Accamphinylane         <0.0151         mg kg         0.0151         0.058         1         M8270C         11/62017         11/132017         NC         1           Antmace         0.0157         mg kg         0.0110         0.0357         1         M8270C         11/62017         11/132017         NC         1           Benzokljøprene         0.0367         mg kg         0.0116         0.037         1         M8270C         11/62017         11/132017         NC         1           Benzokljøprene         0.036         mg kg         0.011         0.038         1         M8270C         11/62017         11/132017         NC         1           Benzokljøprene         0.028         mg kg         0.011         0.038         1         M8270C         11/62017         11/132017         NC         1           Dibenzokljøprene         0.028         mg kg         0.011         0.038         1         M8270C         11/62017         11/132017         NC         1           Dibenzokljøprene												
Lead, Total54mg/K0.170.381010811/10201CWT1OPTICALPATISMAccamphnylene<0.0151mg/K0.01510.0281MS270C11/6201711/132017NCC1Accamphnylene<0.0167mg/K0.01190.02841MS270C11/6201711/132017NCC1Banzo(a)minacene0.0367mg/K0.01180.0371MS270C11/6201711/132017NCC1Banzo(a)minacene0.037mg/K0.01180.0381MS270C11/6201711/132017NCC1Banzo(a)minacene0.037mg/K0.0110.0381MS270C11/6201711/132017NCC1Banzo(A)minacene0.0387mg/K0.0130.0140.031MS270C11/6201711/132017NCC1Banzo(A)minacene<0.0387mg/K0.0130.0281MS270C11/6201711/132017NCC1Banzo(A)minacene<0.0387mg/K0.0130.0381MS270C11/6201711/132017NCC1Banzo(A)minacene<0.013mg/K0.0130.0381MS270C11/6201711/132017NCC1Banzo(A)minacene<0.013mg/K0.0130.0381MS270C11/6201711/132017NCC1Banzo(A)minacene<0.013mg/K0.0130.0380	Cadmium, Total		< 0.08	mg/Kg	0.08	0.25	1	6010B		11/10/2017	CWT	1
PAH SIM           Accenaphthone         < 0.0151	Lead, Total		54		0.17	0.58	1	6010B		11/10/2017	CWT	1
PAH SIM           Accenaphthone         < 0.0151	Organic											
Acemaphtheme         < 0.0151         mg/kg         0.0151         0.0481         1         M8270C         11/6/2017         11/3/2017         NIC         1           Anthnacen         0.016         mg/kg         0.0190         0.035         1         M8270C         11/6/2017         11/13/2017         NIC         1           Benzo(s)anthracene         0.037         mg/kg         0.0116         0.037         1         M8270C         11/6/2017         11/13/2017         NIC         1           Benzo(s)Inforcanthene         0.068         mg/kg         0.013         0.037         1         M8270C         11/6/2017         11/13/2017         NIC         1           Benzo(S)Inforcanthene         0.0283         mg/kg         0.012         0.038         1         M8270C         11/6/2017         11/13/2017         NIC         1           Dibenzo(S)Informathene         0.0283         mg/kg         0.012         0.038         1         M8270C         11/6/2017         11/13/2017         NIC         1           Dibenzo(S)Infinitence         <0.0179	—											
Accumphthylene         <         0.015 ⁹ mg/kg         0.0159         0.0159         1         MS270C         11/6/2017         11/13/2017         NIC         1           Antnecene         0.016 ⁹ mg/kg         0.0116         0.037         1         MS270C         11/6/2017         11/3/2017         NIC         1           Benzoclajhoranthane         0.037         mg/kg         0.0113         0.037         1         MS270C         11/6/2017         11/3/2017         NIC         1           Benzoclajhoranthane         0.045         mg/kg         0.014         0.046         1         MS270C         11/6/2017         11/3/2017         NIC         1           Benzoclajhanthacene         0.028         mg/kg         0.0121         0.038         1         MS270C         11/6/2017         11/3/2017         NIC         1           Ruoranthane         0.0179         mg/kg         0.0179         0.0479         1         MS270C         11/6/2017         11/3/2017         NIC         1           Ruoranthace         0.0179         mg/kg         0.0110         0.035         1         MS270C         11/6/2017         11/3/2017         NIC         1         Nucle         1			< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	11/6/2017	11/13/2017	NJC	1
Anthracene         0.016 °T         mg/kg         0.019         0.035         1         MS270C         11/6/2017         11/12/2017         NIC         1           Benzo(a)unthracene         0.039         mg/kg         0.011         0.037         1         MS270C         11/6/2017         11/12/2017         NIC         1           Benzo(a)fubranthene         0.068         mg/kg         0.014         0.469         1         MS270C         11/6/2017         11/12/2017         NIC         1           Benzo(A)fubranthene         0.0283 °T         mg/kg         0.0147         0.0469         1         MS270C         11/6/2017         11/12/2017         NIC         1           Chrysene         0.0283 °T         mg/kg         0.0147         0.0469         1         MS270C         11/6/2017         11/12/2017         NIC         1           Fluoranthene         0.0217         mg/kg         0.0179         0.057         1         MS270C         11/6/2017         11/12/2017         NIC         1           Indenot(1,2,3-culyprene         0.034 'T         mg/kg         0.011         0.0352         1         MS270C         11/6/2017         11/12/2017         NIC         1           Indenot(1,3-sulyprene <td>1</td> <td></td>	1											
Benzochymene         0.037         mg/kg         0.013         0.043         1         M8270C         11/6/2017         11/13/2017         NIC         1           Benzock/filoranthene         0.068         mg/kg         0.013         0.044         1         M8270C         11/6/2017         11/13/2017         NIC         1           Benzock/filoranthene         0.0233 'T         mg/kg         0.0147         0.0469         1         M8270C         11/6/2017         11/13/2017         NIC         1           Chrysene         0.0078         mg/kg         0.0147         0.0469         1         M8270C         11/6/2017         11/13/2017         NIC         1           Fluorenthene         0.121         mg/kg         0.0147         0.0457         1         M8270C         11/6/2017         11/13/2017         NIC         1           Huorene         <0.0179			0.016 "J"			0.0345	1	M8270C	11/6/2017	11/13/2017	NJC	1
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Benzo(a)anthracen	e	0.039	mg/kg	0.0116	0.037	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h.i)perylene         0.045         mg/g         0.0114         0.036         1         M8270C         11/6/2017         11/13/2017         NC         1           Benzo(k)fhoranthene         0.0283         mg/g         0.017         0.0483         1         M8270C         11/6/2017         11/13/2017         NC         1           Dibenzo(a,b)anthracene         <0.0078	Benzo(a)pyrene		0.037	mg/kg	0.0113	0.0359	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(k)fluoranthene         0.0283 "J"         mg/kg         0.0147         0.0469         1         M8270C         11/6/2017         11/13/2017         NC         1           Dihen.ov(a)bunthracene         <0.0078	Benzo(b)fluoranth	ene	0.068	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene         0.058         mg/kg         0.0121         0.0383         1         M8270C         11/6/2017         11/13/2017         NIC         1           Dibenzo(a,h)anthracene         < 0.0078												-
Dibenzo(a,h)amhracene         < 0.0078         mg/kg         0.0078         0.0251         I         M8270C         11/6/2017         11/13/2017         NIC         I           Fluoranthene         0.121         mg/kg         0.0179         0.047         0.046         I         M8270C         11/6/2017         11/13/2017         NIC         I           Fluoranthene         < 0.0134		ene										-
Fluoranthene         0.121         mg/kg         0.047         0.0469         1         M8270C         11/6/2017         11/13/2017         NIC         1           Fluorene         < 0.0179	-											
Fluorene< 0.0179mg/kg0.01790.0571M8270C11/6201711/13/2017NJC1Indeno(1,2,3-cd)pyrne0.034 T''mg/kg0.01140.03621M8270C11/6/201711/13/2017NJC11-Methyl naphthalene< 0.0203		acene										
Indeno(1,2,3-acd)pyrene 0.034 'I' mg/kg 0.0114 0.0362 l M8270C 11/6/2017 11/13/2017 NJC 1 1/4/2017 NJC 1 1/4/2017 11/13/2017 NJC 1 1/4/2017 CJR 1 1/4												
1-Methyl naphthalene         <         0.0203         0.0645         1         M8270C         11/6/2017         11/13/2017         NJC         1           2-Methyl naphthalene         <		vrene										-
Naphthalene         < 0.0153         mg/kg         0.0153         0.0486         1         M8270C         11/6/2017         11/13/2017         NIC         1           Penennthrene         0.062         mg/kg         0.0113         0.0352         1         M8270C         11/6/2017         11/13/2017         NIC         1           Pyrene         0.095         mg/kg         0.0153         0.0487         1         M8270C         11/6/2017         11/13/2017         NIC         1           Pyrene         0.095         mg/kg         0.03         0.096         1         8260B         11/8/2017         CJR         1           Benzene         < 0.025												1
Phenanthrene         0.062         mg/kg         0.0111         0.0352         1         M8270C         11/6/2017         11/13/2017         NIC         1           Pyrene         0.095         mg/kg         0.0153         0.0487         1         M8270C         11/6/2017         11/13/2017         NIC         1           VOC's             NIC         1         8260B         11/8/2017         CJR         1           Bromobenzene          0.025         mg/kg         0.025         0.081         1         8260B         11/8/2017         CJR         1           Bromobenzene          0.020         mg/kg         0.024         1         8260B         11/8/2017         CJR         1           Bromoform          0.026         mg/kg         0.024         1         8260B         11/8/2017         CJR         1           tert-Butylbenzene          0.026         mg/kg         0.041         1         8260B         11/8/2017         CJR         1           n-Butylbenzene          0.041         mg/kg         0.044         1         8260B         11/8/2017         CJR         1	2-Methyl naphthal	ene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	11/6/2017	11/13/2017	NJC	1
Pyrene         0.095         mg/kg         0.0153         0.0487         1         M8270C         11/6/2017         11/13/2017         NJC         1           VOC's         Image: State St	Naphthalene		< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	11/6/2017	11/13/2017	NJC	1
VOC's           Benzene         < 0.03	Phenanthrene		0.062		0.0111	0.0352	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzene         < 0.03         mg/kg         0.03         0.096         1         8260B         11/8/2017         CJR         1           Bromobenzene         < 0.025	Pyrene		0.095	mg/kg	0.0153	0.0487	1	M8270C	11/6/2017	11/13/2017	NJC	1
Bromobenzene         < 0.025         mg/kg         0.025         0.081         1         8260B         11/8/2017         CJR         1           Bromodichloromethane         < 0.074	VOC's											
Bromodichloromethane         < 0.074         mg/kg         0.074         0.24         1         8260B         11/8/2017         CJR         1           Bromoform         < 0.029	Benzene		< 0.03	mg/kg	0.03	0.096	1	8260B		11/8/2017	CJR	1
Bromoform         < 0.029         mg/kg         0.029         0.092         1         8260B         11/8/2017         CJR         1           tert-Butylbenzene         < 0.026												
tert-Butylbenzene       < 0.026		thane										
sec-Butylbenzene         < 0.033         mg/kg         0.033         0.1         1         8260B         11/8/2017         CJR         1           n-Butylbenzene         < 0.04												-
n-Butylbenzene         < 0.04         mg/kg         0.04         0.13         1         8260B         11/8/2017         CJR         1           Carbon Tetrachloride         < 0.016	•											-
Carbon Tetrachloride< 0.016mg/kg0.0160.05318260B11/8/2017CJR1Chlorobenzene< 0.013												-
Chlorobenzene< 0.013mg/kg0.0130.0418260B11/8/2017CJR1Chloroethane< 0.091	-	ide										-
Chloroform< 0.035mg/kg0.0350.1118260B11/8/2017CJR1Chloromethane< 0.076												1
Chloromethane< 0.076mg/kg0.0760.2418260B11/8/2017CJR12-Chlorotoluene< 0.015	Chloroethane		< 0.091		0.091	0.29	1			11/8/2017	CJR	1
2-Chlorotoluene< 0.015mg/kg0.0150.04718260B11/8/2017CJR14-Chlorotoluene< 0.018	Chloroform		< 0.035	mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
4-Chlorotoluene< 0.018mg/kg0.0180.05718260B11/8/2017CJR11,2-Dibromo-3-chloropropane< 0.058	Chloromethane		< 0.076	mg/kg	0.076	0.24	1			11/8/2017	CJR	1
1,2-Dibromo-3-chloropropane       < 0.058												1
Dibromochloromethane< 0.025mg/kg0.0250.07918260B11/8/2017CJR11,4-Dichlorobenzene< 0.037												-
1,4-Dichlorobenzene< 0.037mg/kg0.0370.1218260B11/8/2017CJR11,3-Dichlorobenzene< 0.037												-
1,3-Dichlorobenzene       < 0.037												-
1,2-Dichlorobenzene< 0.028mg/kg0.0280.08818260B11/8/2017CJR1Dichlorodifluoromethane< 0.048												-
Dichlorodifluoromethane         < 0.048         mg/kg         0.048         0.15         1         8260B         11/8/2017         CJR         1           1,2-Dichloroethane         < 0.038												-
1,2-Dichloroethane       < 0.038       mg/kg       0.038       0.12       1       8260B       11/8/2017       CJR       1         1,1-Dichloroethane       < 0.034												1
	1,2-Dichloroethan	e	< 0.038		0.038					11/8/2017	CJR	1
1,1-Dichloroethene < 0.022 mg/kg 0.022 0.069 1 8260B 11/8/2017 CJR 1	1,1-Dichloroethand	e	< 0.034	mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
	1,1-Dichloroethen	e	< 0.022	mg/kg	0.022	0.069	1	8260B		11/8/2017	CJR	1

Project Name	222 N. ONEIDA
Proiect #	N2214G17

Invoice # E	33843
-------------	-------

Lab Code	5033843G
Sample ID	SB-10
Sample Matrix	Soil
Sample Date	11/3/2017

Sample Date	11/3/2017										
		Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
cis-1,2-Dichloroethen	ie	< 0.032	2 mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
trans-1,2-Dichloroeth	ene	< 0.028	3 mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
1,2-Dichloropropane		< 0.035	5 mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
1,3-Dichloropropane		< 0.025	5 mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
trans-1,3-Dichloropro	opene	< 0.022	2 mg/kg	0.022	0.068	1	8260B		11/8/2017	CJR	1
cis-1,3-Dichloroprope	ene	< 0.039	9 mg/kg	0.039	0.12	1	8260B		11/8/2017	CJR	1
Di-isopropyl ether		< 0.01	mg/kg	0.01	0.032	1	8260B		11/8/2017	CJR	1
EDB (1,2-Dibromoeth	hane)	< 0.023	3 mg/kg	0.023	0.072	1	8260B		11/8/2017	CJR	1
Ethylbenzene		< 0.035	5 mg/kg	0.035	0.11	1	8260B		11/8/2017	CJR	1
Hexachlorobutadiene		< 0.085	5 mg/kg	0.085	0.27	1	8260B		11/8/2017	CJR	1
Isopropylbenzene		< 0.034	4 mg/kg	0.034	0.11	1	8260B		11/8/2017	CJR	1
p-Isopropyltoluene		< 0.029	9 mg/kg	0.029	0.093	1	8260B		11/8/2017	CJR	1
Methylene chloride		< 0.15	mg/kg	0.15	0.46	1	8260B		11/8/2017	CJR	1
Methyl tert-butyl ethe	er (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/8/2017	CJR	1
Naphthalene		< 0.094	4 mg/kg	0.094	0.3	1	8260B		11/8/2017	CJR	1
n-Propylbenzene		< 0.033	3 mg/kg	0.033	0.1	1	8260B		11/8/2017	CJR	1
1,1,2,2-Tetrachloroeth	hane	< 0.028	3 mg/kg	0.028	0.88	1	8260B		11/8/2017	CJR	1
1,1,1,2-Tetrachloroeth	hane	< 0.028	3 mg/kg	0.028	0.09	1	8260B		11/8/2017	CJR	1
Tetrachloroethene		< 0.032	2 mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Toluene		< 0.032	2 mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
1,2,4-Trichlorobenzer	ne	< 0.064	4 mg/kg	0.064	0.2	1	8260B		11/8/2017	CJR	1
1,2,3-Trichlorobenzer	ne	< 0.066	6 mg/kg	0.066	0.21	1	8260B		11/8/2017	CJR	1
1,1,1-Trichloroethane		< 0.03	mg/kg	0.03	0.96	1	8260B		11/8/2017	CJR	1
1,1,2-Trichloroethane		< 0.033	3 mg/kg	0.033	0.11	1	8260B		11/8/2017	CJR	1
Trichloroethene (TCE	E)	< 0.041	l mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
Trichlorofluorometha	ne	< 0.041	l mg/kg	0.041	0.13	1	8260B		11/8/2017	CJR	1
1,2,4-Trimethylbenze	ne	< 0.025	5 mg/kg	0.025	0.08	1	8260B		11/8/2017	CJR	1
1,3,5-Trimethylbenze	ne	< 0.032	2 mg/kg	0.032	0.1	1	8260B		11/8/2017	CJR	1
Vinyl Chloride		< 0.019	9 mg/kg	0.019	0.062	1	8260B		11/8/2017	CJR	1
m&p-Xylene		< 0.072	2 mg/kg	0.072	0.23	1	8260B		11/8/2017	CJR	1
o-Xylene		< 0.044	4 mg/kg	0.044	0.14	1	8260B		11/8/2017	CJR	1
SUR - 1,2-Dichloroet	hane-d4	119	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 4-Bromofluoro	obenzene	97	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Dibromofluoro	omethane	100	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Toluene-d8		93	Rec %			1	8260B		11/8/2017	CJR	1

0	222 N. ONEI N2214G17	IDA	<b>Invoice</b> # E33843								
Lab Code Sample ID Sample Matrix Sample Date	5033843H TW-8 Water 11/3/2017	Result	Unit	IOD	LOQ D	:1	Method	Fut Data	Run Date	Analyst	Codo
<b>.</b> .		Kesuit	Unit	LOD	LUQ D	11	Method	Ext Date	Kun Date	Analyst	Code
Inorganic											
Metals											
Cadmium, Dissolv	ed	0.6 "J"	ug/L	0.4		1	200.7		11/8/2017	CWT	1
Lead, Dissolved		10.0	ug/L	0.9	3	1	7421		11/7/2017	CWT	1
Organic PAH SIM											
Acenaphthene		0.056	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Acenaphthylene		< 0.019	ug/l	0.019	0.061	1	M8270C	11/7/2017	11/8/2017	NJC	1
Anthracene		0.062 "J"	ug/l	0.019	0.062	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(a)anthracen	e	0.0268 "J"	ug/l	0.017	0.054	1	M8270C	11/7/2017	11/8/2017	NJC	5
Benzo(a)pyrene		< 0.02	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(b)fluoranthe	ene	0.0238 "J"	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)peryle		< 0.025	ug/l	0.025		1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluoranthe	ene	< 0.016	ug/l	0.016		1	M8270C	11/7/2017	11/8/2017	NJC	1
Chrysene		< 0.02	ug/l	0.02		1	M8270C	11/7/2017	11/8/2017	NJC	1
Dibenzo(a,h)anthra	acene	< 0.025	ug/l	0.025		1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluoranthene		0.094	ug/l	0.017		1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluorene		0.0305 "J"	ug/l	0.021		1	M8270C	11/7/2017	11/8/2017	NJC	1
Indeno(1,2,3-cd)py		< 0.023	ug/l	0.023		1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphthal		0.063 "J"	ug/l	0.024		1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphthal	ene	0.097	ug/l	0.024		1	M8270C	11/7/2017	11/8/2017	NJC	1
Naphthalene Phenanthrene		0.098 0.245	ug/l	0.025 0.025		1 1	M8270C M8270C	11/7/2017 11/7/2017	11/8/2017	NJC NJC	1 1
		0.243 0.059 "J"	ug/l	0.025		1	M8270C M8270C	11/7/2017	11/8/2017 11/8/2017	NJC	1
Pyrene		0.039 J	ug/l	0.02	0.003	1	M18270C	11/7/2017	11/0/2017	NJC	1
VOC's		0.17		0.17	0.55		02.00		11/0/2017	CID	
Benzene		< 0.17	ug/l	0.17		1	8260B		11/9/2017	CJR	1
Bromobenzene	hono	< 0.43	ug/l	0.43		1	8260B		11/9/2017	CJR	1
Bromodichloromet Bromoform	inane	< 0.31 < 0.49	ug/l	0.31	1	1	8260B		11/9/2017	CJR CJR	1
tert-Butylbenzene		< 0.49	ug/l ug/l	0.49 0.39		1 1	8260B 8260B		11/9/2017 11/9/2017	CJR	1
sec-Butylbenzene		< 0.39	ug/l	0.39		1	8260B		11/9/2017	CJR	1
n-Butylbenzene		< 0.24	ug/l	0.24		1	8260B		11/9/2017	CJR	1
Carbon Tetrachlori	ide	< 0.21	ug/l	0.21		1	8260B		11/9/2017	CJR	1
Chlorobenzene		< 0.27	ug/l	0.27		1	8260B		11/9/2017	CJR	1
Chloroethane		< 0.5	ug/l	0.5		1	8260B		11/9/2017	CJR	1
Chloroform		< 0.96	ug/l	0.96		1	8260B		11/9/2017	CJR	1
Chloromethane		< 1.3	ug/l	1.3		1	8260B		11/9/2017	CJR	1
2-Chlorotoluene		< 0.36	ug/l	0.36		1	8260B		11/9/2017	CJR	1
4-Chlorotoluene		< 0.35	ug/l	0.35		1	8260B		11/9/2017	CJR	1
1,2-Dibromo-3-chl	loropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/9/2017	CJR	1
Dibromochloromet	thane	< 0.45	ug/l	0.45	1.44	1	8260B		11/9/2017	CJR	1
1,4-Dichlorobenze	ne	< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,3-Dichlorobenze	ne	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,2-Dichlorobenze	ne	< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Dichlorodifluorom	ethane	< 0.38	ug/l	0.38	1.2	1	8260B		11/9/2017	CJR	1
1,2-Dichloroethane	e	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,1-Dichloroethane		< 0.42	ug/l	0.42		1	8260B		11/9/2017	CJR	1
1,1-Dichloroethene		< 0.46	ug/l	0.46	1.47	1	8260B		11/9/2017	CJR	1
cis-1,2-Dichloroeth		< 0.41	ug/l	0.41		1	8260B		11/9/2017	CJR	1
trans-1,2-Dichloro		< 0.35	ug/l	0.35		1	8260B		11/9/2017	CJR	1
1,2-Dichloropropa	ne	< 0.39	ug/l	0.39	1.24	1	8260B		11/9/2017	CJR	1

Project Name	222 N. ONEIDA
Project #	N2214G17

Lab Code	5033843H
Sample ID	TW-8
Sample Matrix	Water
Sample Date	11/3/2017

Sample Date 11/3/2017										
	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		11/9/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		11/9/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		11/9/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		11/9/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		11/9/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		11/9/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		11/9/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		11/9/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		11/9/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		11/9/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		11/9/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		11/9/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		11/9/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		11/9/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		11/9/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		11/9/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		11/9/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		11/9/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		11/9/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		11/9/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		11/9/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		11/9/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		11/9/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		11/9/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		11/9/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		11/9/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		11/9/2017	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/9/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/9/2017	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		11/9/2017	CJR	1

0	222 N. ONE N2214G17	IDA	<b>Invoice #</b> E33843								
Lab Code Sample ID Sample Matrix Sample Date	5033843I TW-06 Water 11/3/2017										
		Result	Unit	LOD	LOQ I	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Cadmium, Dissolv	red	0.6 "J"	ug/L	0.4	1.3	1	200.7		11/8/2017	CWT	1
Lead, Dissolved		< 0.9	ug/L	0.9	3	1	7421		11/7/2017	CWT	1
Organic											
PAH SIM											
Acenaphthene		0.05 "J"	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Acenaphthylene		< 0.019	ug/l	0.019	0.061	1	M8270C	11/7/2017	11/8/2017	NJC	1
Anthracene		0.072	ug/l	0.019		1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(a)anthracen	ie	0.054 "J"	ug/l	0.017	0.054	1	M8270C	11/7/2017	11/8/2017	NJC	5
Benzo(a)pyrene		0.048 "J"	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(b)fluoranth	ene	0.08	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)peryle	ne	0.046 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluoranth	ene	0.0293 "J"	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Chrysene		0.063 "J"	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Dibenzo(a,h)anthra	acene	< 0.025	ug/l	0.025	0.078	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluoranthene		0.184	ug/l	0.017	0.053	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluorene		0.049 "J"	ug/l	0.021	0.066	1	M8270C	11/7/2017	11/8/2017	NJC	1
Indeno(1,2,3-cd)py	yrene	0.037 "J"	ug/l	0.023	0.074	1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphthal	ene	< 0.024	ug/l	0.024	0.076	1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphthal	ene	< 0.024	ug/l	0.024	0.075	1	M8270C	11/7/2017	11/8/2017	NJC	1
Naphthalene		0.0302 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Phenanthrene		0.304	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Pyrene		0.132	ug/l	0.02	0.063	1	M8270C	11/7/2017	11/8/2017	NJC	1
VOC's											
Benzene		< 0.17	ug/l	0.17	0.55	1	8260B		11/9/2017	CJR	1
Bromobenzene		< 0.43	ug/l	0.43	1.37	1	8260B		11/9/2017	CJR	1
Bromodichloromet	thane	< 0.31	ug/l	0.31	1	1	8260B		11/9/2017	CJR	1
Bromoform		< 0.49	ug/l	0.49		1	8260B		11/9/2017	CJR	1
tert-Butylbenzene		< 0.39	ug/l	0.39	1.23	1	8260B		11/9/2017	CJR	1
sec-Butylbenzene		< 0.24	ug/l	0.24	0.76	1	8260B		11/9/2017	CJR	1
n-Butylbenzene		< 0.34	ug/l	0.34	1.08	1	8260B		11/9/2017	CJR	1
Carbon Tetrachlor	ide	< 0.21	ug/l	0.21	0.68	1	8260B		11/9/2017	CJR	1
Chlorobenzene		< 0.27	ug/l	0.27	0.86	1	8260B		11/9/2017	CJR	1
Chloroethane		< 0.5	ug/l	0.5	1.6	1	8260B		11/9/2017	CJR	1
Chloroform		< 0.96	ug/l	0.96	3.04	1	8260B		11/9/2017	CJR	1
Chloromethane		< 1.3	ug/l	1.3	4.15	1	8260B		11/9/2017	CJR	1
2-Chlorotoluene		< 0.36	ug/l	0.36	1.15	1	8260B		11/9/2017	CJR	1
4-Chlorotoluene		< 0.35	ug/l	0.35	1.11	1	8260B		11/9/2017	CJR	1
1,2-Dibromo-3-ch	loropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/9/2017	CJR	1
Dibromochlorome	thane	< 0.45	ug/l	0.45	1.44	1	8260B		11/9/2017	CJR	1
1,4-Dichlorobenze	ne	< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,3-Dichlorobenze	ne	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,2-Dichlorobenze	ne	< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Dichlorodifluorom	ethane	< 0.38	ug/l	0.38	1.2	1	8260B		11/9/2017	CJR	1
1,2-Dichloroethan	e	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,1-Dichloroethan	e	< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,1-Dichloroethene	e	< 0.46	ug/l	0.46	1.47	1	8260B		11/9/2017	CJR	1
cis-1,2-Dichloroet	hene	< 0.41	ug/l	0.41	1.29	1	8260B		11/9/2017	CJR	1
trans-1,2-Dichloro		< 0.35	ug/l	0.35		1	8260B		11/9/2017	CJR	1
1,2-Dichloropropa	ne	< 0.39	ug/l	0.39	1.24	1	8260B		11/9/2017	CJR	1

Project Name	222 N. ONEIDA
Proiect #	N2214G17
Lab Code	5033843I

Invoice # E	33843
-------------	-------

1

Sample Matrix Water         Sample Date         1/3/2017           Result         Unit         LOD         LOD         DO         Method         Ext Date         Run Date         Analyst         Cod           1.3-Dichloropropane         < 0.49         ug/l         0.42         1.33         1         8260B         11/9/2017         CJR         1           trans-1,3-Dichloropropene         < 0.21         ug/l         0.21         0.65         1         8260B         11/9/2017         CJR         1           Di-isopropyle ther         < 0.26         ug/l         0.24         0.83         1         8260B         11/9/2017         CJR         1           Ethylbenzene         < 0.22         ug/l         0.34         1.09         1         8260B         11/9/2017         CJR         1           Ethylbenzene         < 0.22         ug/l         0.28         1         8260B         11/9/2017         CJR         1           Bopropylbenzene         < 0.28         ug/l         0.28         1         8260B         11/9/2017         CJR         1           Naphthalene         < 0.42         ug/l         0.42         1         8260B         11/9/2017         CJR         1 </th <th>Sample ID</th> <th>TW-06</th> <th></th>	Sample ID	TW-06										
SampLe 11/3/2017         It/3/2017           Result         Unit         LOD         LOD         J.         Rehod         Ext Date         Run Date         Analys         Code           1.3-Dichloropropene         < 0.49         ug/1         0.49         1.35         1         82608         11/9/2017         CIR         1           cis-1,3-Dichloropropene         < 0.02         ug/1         0.25         0.83         1         82608         11/9/2017         CIR         1           Di-sopropt ether         < 0.26         ug/1         0.26         0.83         1         82608         11/9/2017         CIR         1           Ebb (1,2-Dirbomoethane)         < 0.34         ug/1         0.26         0.83         1         82608         11/9/2017         CIR         1           Hexachlorobutadiene         < 0.42         ug/1         0.42         0.46         1         82608         11/9/2017         CIR         1           Pi-sopropythenzne         < 0.02         ug/1         0.42         2.8         1         82608         11/9/2017         CIR         1           Methytene-chloride         < 0.49         ug/1         0.48         2.8         1         82608	-											
ResultUnitLODLODDIMethodExt DateRun DateAnalysCod1.3-Dichloropropene< 0.42ug/l0.491.5518260B11/9/2017CIR1trans-1,3-Dichloropropene< 0.42ug/l0.421.3318260B11/9/2017CIR1cis:1,3-Dichloropropene< 0.21ug/l0.220.6518260B11/9/2017CIR1Di-isopropyl ether< 0.26ug/l0.260.8318260B11/9/2017CIR1EDB (1,2-Dibromoethane)< 0.34ug/l0.341.0918260B11/9/2017CIR1Ethylbenzene< 0.29ug/l0.341.0918260B11/9/2017CIR1Hexachlorobutadiene< 1.47ug/l0.290.9318260B11/9/2017CIR1p-Isopropyllohenzene< 0.29ug/l0.942.9818260B11/9/2017CIR1Methyl ten-butyl ether (MTBE)< 0.82ug/l0.942.9818260B11/9/2017CIR1n-Propylbenzene< 0.69ug/l0.692.2118260B11/9/2017CIR1n-Propylbenzene< 0.69ug/l0.692.2118260B11/9/2017CIR1n-Propylbenzene< 0.69ug/l0.692.2118260B11/9/2017CIR1n-Propylbenzene<	-											
1.3-Dichloropropane       < 0.49       ug/l       0.49       1.55       1       8260B       11/9/2017       C/R       1         trans-1.3-Dichloropropene       < 0.21       ug/l       0.21       0.65       1       8260B       11/9/2017       C/R       1         cis-1.3-Dichloropropene       < 0.21       ug/l       0.21       0.65       1       8260B       11/9/2017       C/R       1         EDB (1,2-Dibromoethane)       < 0.34       ug/l       0.34       1.09       1       8260B       11/9/2017       C/R       1         Ethylbenzene       < 0.2       ug/l       0.2       0.63       1       8260B       11/9/2017       C/R       1         kopropylenzene       < 0.29       ug/l       0.29       0.93       1       8260B       11/9/2017       C/R       1         P-sopropylobuene       < 0.82       ug/l       0.28       0.91       1       8260B       11/9/2017       C/R       1         Methylene chloride       < 0.94       ug/l       0.94       2.86       1       8260B       11/9/2017       C/R       1         Naphthalene       < 2.17       ug/l       0.67       1.8       8260B       11/9/2017<	Sample Date	11/3/2017										
trans-1,3-Dichloropropene $< 0.42$ ug/l0.421.33l8 260B11/9/2017CIR1cis-1,3-Dichloropropene $< 0.21$ ug/l0.210.6518260B11/9/2017CIR1Di-isoproyl ether $< 0.26$ ug/l0.260.8318260B11/9/2017CIR1EDB (1, 2-Dibromoethane) $< 0.34$ ug/l0.240.6318260B11/9/2017CIR1Hexachlorobutadiene $< 1.47$ ug/l0.270.6318260B11/9/2017CIR1Isoproylenzene $< 0.29$ ug/l0.290.9318260B11/9/2017CIR1p-lsoproyloluene $< 0.29$ ug/l0.290.9318260B11/9/2017CIR1methylene chloride $< 0.29$ ug/l0.280.9118260B11/9/2017CIR1Methylene chloride $< 0.49$ ug/l0.942.9818260B11/9/2017CIR1Methylene-chloride $< 0.47$ ug/l0.492.9818260B11/9/2017CIR1n-Propylbenzene $< 0.19$ ug/l0.190.6218260B11/9/2017CIR11,1,2.2 Tetrachloroethane $< 0.67$ ug/l0.672.138260B11/9/2017CIR11,1,2.2 Tetrachloroethane $< 0.67$ ug/l0.672.1318260B11/9/2017CIR1			Result	Unit			il	Method	Ext Date	Run Date		Code
cis.1.3-Dichloropropene< 0.21ug/l0.210.6518260B11/9/2017CJR1Di-isopropyl ether< 0.26	1,3-Dichloropropan	ie	< 0.49	ug/l	0.49	1.55	1	8260B		11/9/2017	CJR	1
Di-isopropyl ether< 0.26ug/l0.260.8318260B11/9/2017CIR1EDB (1,2-Dibromoethane)< 0.34	trans-1,3-Dichlorop	propene	< 0.42	ug/l	0.42	1.33	1	8260B		11/9/2017	CJR	1
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	cis-1,3-Dichloropro	opene	< 0.21	ug/l	0.21	0.65	1	8260B		11/9/2017	CJR	1
Ethylhenzene $< 0.2$ $ug/l$ $0.2$ $0.63$ $1$ $8260B$ $11/9/2017$ $\Box R$ $I$ Hexachlorobutadiene $< 1.47$ $ug/l$ $1.47$ $4.68$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ Isopropylbenzene $< 0.29$ $ug/l$ $0.29$ $0.93$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ p-Isopropylbenzene $< 0.28$ $ug/l$ $0.94$ $0.94$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ Methylene chloride $< 0.94$ $ug/l$ $0.94$ $2.98$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ Methylene chloride $< 0.92$ $ug/l$ $0.94$ $2.98$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ Naphthalene $< 2.17$ $ug/l$ $0.82$ $2.6$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ $1, 1, 2, 2$ -Tetrachloroethane $< 0.67$ $ug/l$ $0.69$ $2.21$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ $1, 1, 1, 2$ -Tetrachloroethane $< 0.67$ $ug/l$ $0.47$ $1.48$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ $1, 2, 3$ -Trichloroethane $< 0.67$ $ug/l$ $0.67$ $2.13$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ $1, 1, 2$ -Tetrachloroethane $< 0.67$ $ug/l$ $0.67$ $2.13$ $1$ $8260B$ $11/9/2017$ $\Box R$ $1$ $1, 2, 3$ -Trichloroethane $< 0.65$ $ug/l$ $0.67$ $2.13$ $1$ $8260B$	Di-isopropyl ether		< 0.26	ug/l	0.26	0.83	1	8260B		11/9/2017	CJR	1
Hexachlorobutadiene<1.47ug/l1.474.68l $\$ 260B$ 11/9/2017CJR1Isopropylbenzene<0.29	EDB (1,2-Dibromo	ethane)	< 0.34	•	0.34	1.09	1	8260B		11/9/2017	CJR	1
Isopropylbenzene $< 0.29$ $ug/1$ $0.29$ $0.93$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ p-Isopropylbluene $< 0.28$ $ug/1$ $0.28$ $0.91$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Methylene chloride $< 0.94$ $ug/1$ $0.94$ $2.98$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Methyl tert-butyl ether (MTBE) $< 0.82$ $ug/1$ $0.82$ $2.6$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Naphthalene $< 2.17$ $ug/1$ $0.62$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1, 1, 2, 2$ -Tetrachloroethane $< 0.69$ $ug/1$ $0.69$ $2.21$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1, 1, 1, 2$ -Tetrachloroethane $< 0.67$ $ug/1$ $0.69$ $2.21$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1, 1, 2, 2$ -Tetrachloroethane $< 0.67$ $ug/1$ $0.69$ $2.21$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1, 1, 1, 2$ -Tetrachloroethane $< 0.67$ $ug/1$ $0.48$ $1.52$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1, 2, 4$ -Trichloroethane $< 0.67$ $ug/1$ $0.67$ $2.13$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1, 2, 4$ -Trichloroethane $< 0.65$ $ug/1$ $0.65$ $2.66$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1, 1, 1, 1$ -Trichloroethane $< 0.65$ $ug/1$ $0.65$ $2.66$	Ethylbenzene		< 0.2	ug/l	0.2	0.63	1	8260B		11/9/2017	CJR	1
p-Isotropyltoluene< 0.28 $ug/l$ 0.280.9118260B11/9/2017CJR1Methylene chloride< 0.94	Hexachlorobutadie	ne	< 1.47	ug/l	1.47	4.68	1	8260B		11/9/2017	CJR	1
Methylene chloride       < 0.94       ug/l       0.94       2.98       1       8260B       11/9/2017       CJR       1         Methyl tert-butyl ether (MTBE)       < 0.82	Isopropylbenzene		< 0.29	ug/l	0.29	0.93	1	8260B		11/9/2017	CJR	1
Methyl tert-butyl ether (MTBE) $< 0.82$ $ug/1$ $0.82$ $2.6$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Naphthalene $< 2.17$ $ug/1$ $0.19$ $0.62$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $n$ -Propylbenzene $< 0.19$ $ug/1$ $0.69$ $2.1$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,2,2$ -Tetrachloroethane $< 0.69$ $ug/1$ $0.69$ $2.21$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,1,2$ -Tetrachloroethane $< 0.47$ $ug/1$ $0.47$ $1.48$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Tetrachloroethane $< 0.448$ $ug/1$ $0.47$ $1.48$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Toluene $< 0.67$ $ug/1$ $0.67$ $2.13$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,4$ -Trichlorobenzene $< 0.67$ $ug/1$ $0.67$ $2.13$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,3$ -Trichlorobenzene $< 0.83$ $ug/1$ $0.83$ $2.63$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,1$ -Trichloroethane $< 0.65$ $ug/1$ $0.55$ $2.06$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,2$ -Trichloroethane $< 0.65$ $ug/1$ $0.55$ $2.06$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,2,4$ -Trimethylbenzene $< 0.64$ $ug/1$ $0.64$ $2.04$ $1$ <	p-Isopropyltoluene		< 0.28	ug/l	0.28	0.91	1	8260B		11/9/2017	CJR	1
Naphthalene $< 2.17$ ug/l $2.17$ $6.9$ 1 $8260B$ $11/9/2017$ $CJR$ 1n-Propylbenzene $< 0.19$ ug/l $0.19$ $0.62$ 1 $8260B$ $11/9/2017$ $CJR$ 11,1,2,2-Tetrachloroethane $< 0.69$ ug/l $0.69$ $2.21$ 1 $8260B$ $11/9/2017$ $CJR$ 11,1,1,2-Tetrachloroethane $< 0.47$ ug/l $0.47$ $1.48$ 1 $8260B$ $11/9/2017$ $CJR$ 1Tetrachloroethane $< 0.48$ ug/l $0.48$ $1.52$ 1 $8260B$ $11/9/2017$ $CJR$ 1Toluene $< 0.67$ ug/l $0.67$ $2.13$ 1 $8260B$ $11/9/2017$ $CJR$ 11,2,4-Trichlorobenzene $< 1.29$ ug/l $1.29$ $4.1$ 1 $8260B$ $11/9/2017$ $CJR$ 11,2,3-Trichlorobenzene $< 0.83$ ug/l $0.83$ $2.63$ 1 $8260B$ $11/9/2017$ $CJR$ 11,1,1-Trichloroethane $< 0.35$ ug/l $0.35$ $1.11$ 1 $8260B$ $11/9/2017$ $CJR$ 11,1,2-Trichloroethane $< 0.64$ ug/l $0.65$ $2.06$ 1 $8260B$ $11/9/2017$ $CJR$ 11,1,2-Trichloroethane $< 0.64$ ug/l $0.64$ $2.04$ 1 $8260B$ $11/9/2017$ $CJR$ 11,1,1-Trichloroethane $< 0.64$ ug/l $0.64$ $2.04$ 1 $8260B$ $11/9/2017$ $CJR$ 11,2,4-Trimethylbenzene	Methylene chloride		< 0.94	ug/l	0.94	2.98	1	8260B		11/9/2017	CJR	1
n- Propylbenzene $< 0.19$ $0.19$ $0.62$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,1,2,2$ -Tetrachloroethane $< 0.69$ $ug/1$ $0.69$ $2.21$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,1,1,2$ -Tetrachloroethane $< 0.47$ $ug/1$ $0.47$ $1.48$ 1 $8260B$ $11/9/2017$ $CJR$ 1Tetrachloroethane $< 0.48$ $ug/1$ $0.48$ $1.52$ 1 $8260B$ $11/9/2017$ $CJR$ 1Toluene $< 0.67$ $ug/1$ $0.67$ $2.13$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,2,4$ -Trichlorobenzene $< 1.29$ $ug/1$ $1.29$ $4.1$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,2,3$ -Trichlorobenzene $< 0.83$ $ug/1$ $0.83$ $2.63$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,1,1$ -Trichloroethane $< 0.65$ $ug/1$ $0.55$ $2.06$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,1,2$ -Trichloroethane $< 0.65$ $ug/1$ $0.65$ $2.06$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,1,2$ -Trichloroethane $< 0.65$ $ug/1$ $0.45$ $1.43$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,2,4$ -Trimethylbenzene $< 0.64$ $ug/1$ $0.44$ $2.04$ 1 $8260B$ $11/9/2017$ $CJR$ 1 $1,2,4$ -Trimethylbenzene $< 0.64$ $ug/1$ $0.44$ $2.04$ 1 $8260B$ $11/9/2017$ $CJR$ 1	Methyl tert-butyl et	her (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		11/9/2017	CJR	1
1,1,2,2-Tetrachloroethane $< 0.69$ $ug/l$ $0.69$ $2.21$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,1,2$ -Tetrachloroethane $< 0.47$ $ug/l$ $0.47$ $1.48$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Tetrachloroethene $< 0.48$ $ug/l$ $0.48$ $1.52$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Toluene $< 0.67$ $ug/l$ $0.67$ $2.13$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,4$ -Trichlorobenzene $< 1.29$ $ug/l$ $1.29$ $4.1$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,3$ -Trichlorobenzene $< 0.83$ $ug/l$ $0.83$ $2.63$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,1$ -Trichloroethane $< 0.65$ $ug/l$ $0.65$ $2.06$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,2$ -Trichloroethane $< 0.65$ $ug/l$ $0.65$ $2.06$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,2$ -Trichloroethane $< 0.64$ $ug/l$ $0.64$ $2.04$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,4$ -Trimethylbenzene $< 1.14$ $ug/l$ $0.64$ $2.04$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,3,5$ -Trimethylbenzene $< 0.91$ $ug/l$ $0.91$ $2.9$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $ug/l$ $0.91$ $0.91$ $2.9$ $1$ $8260B$ $11/9/2$	Naphthalene		< 2.17	ug/l	2.17	6.9	1	8260B		11/9/2017	CJR	1
1,1,1,2-Tetrachloroethane $< 0.47$ $1.48$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Tetrachloroethene $< 0.48$ $ug/1$ $0.48$ $1.52$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Toluene $< 0.67$ $ug/1$ $0.67$ $2.13$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,4$ -Trichlorobenzene $< 1.29$ $ug/1$ $1.29$ $4.1$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,3$ -Trichlorobenzene $< 0.83$ $ug/1$ $0.83$ $2.63$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,1$ -Trichloroethane $< 0.35$ $ug/1$ $0.35$ $1.11$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,1,2$ -Trichloroethane $< 0.65$ $ug/1$ $0.65$ $2.06$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Trichloroethane $< 0.64$ $ug/1$ $0.65$ $2.06$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ Trichlorofluoromethane $< 0.64$ $ug/1$ $0.64$ $2.04$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,2,4$ -Trimethylbenzene $< 1.14$ $ug/1$ $0.64$ $2.04$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $1,3,5$ -Trimethylbenzene $< 0.91$ $ug/1$ $0.91$ $2.9$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ $ug/2$ $ug/1$ $0.91$ $2.9$ $1$ $8260B$ $11/9/2017$ $CJR$ $1$ <	n-Propylbenzene		< 0.19	ug/l	0.19	0.62	1	8260B		11/9/2017	CJR	1
Tetrachloroethene       < 0.48       ug/l       0.48       1.52       1       8260B       11/9/2017       CJR       1         Toluene       < 0.67       ug/l       0.67       2.13       1       8260B       11/9/2017       CJR       1         1,2,4-Trichlorobenzene       < 1.29       ug/l       1.29       4.1       1       8260B       11/9/2017       CJR       1         1,2,3-Trichlorobenzene       < 0.83       ug/l       0.83       2.63       1       8260B       11/9/2017       CJR       1         1,1,1-Trichloroethane       < 0.35       ug/l       0.35       1.11       1       8260B       11/9/2017       CJR       1         1,1,2-Trichloroethane       < 0.65       ug/l       0.65       2.06       1       8260B       11/9/2017       CJR       1         1,1,2-Trichloroethane       < 0.65       ug/l       0.65       1.43       1       8260B       11/9/2017       CJR       1         1,2,4-Trimethylbenzene       < 0.64       ug/l       0.45       1.43       1       8260B       11/9/2017       CJR       1         1,3,5-Trimethylbenzene       < 0.64       ug/l       0.61       2.9       1 <th< td=""><td>1,1,2,2-Tetrachloro</td><td>ethane</td><td>&lt; 0.69</td><td>•</td><td>0.69</td><td>2.21</td><td>1</td><td>8260B</td><td></td><td>11/9/2017</td><td>CJR</td><td>1</td></th<>	1,1,2,2-Tetrachloro	ethane	< 0.69	•	0.69	2.21	1	8260B		11/9/2017	CJR	1
Toluene< 0.67ug/l0.672.1318260B11/9/2017CJR11,2,4-Trichlorobenzene< 1.29	1,1,1,2-Tetrachloro	ethane	< 0.47	ug/l	0.47	1.48	1	8260B		11/9/2017	CJR	1
1,2,4-Trichlorobenzene       < 1.29	Tetrachloroethene		< 0.48	ug/l	0.48	1.52	1	8260B		11/9/2017	CJR	1
1,2,3-Trichlorobenzene< 0.83ug/l0.832.6318260B11/9/2017CJR11,1,1-Trichloroethane< 0.35	Toluene		< 0.67	ug/l	0.67	2.13	1	8260B		11/9/2017	CJR	1
1,1.1-Trichloroethane       < 0.35	1,2,4-Trichlorobenz	zene	< 1.29	ug/l	1.29	4.1	1	8260B		11/9/2017	CJR	1
1,1,2-Trichloroethane       < 0.65	1,2,3-Trichlorobenz	zene	< 0.83	ug/l	0.83	2.63	1	8260B		11/9/2017	CJR	1
Trichloroethene (TCE)       < 0.45       ug/l       0.45       1.43       1       8260B       11/9/2017       CJR       1         Trichlorofluoromethane       < 0.64       ug/l       0.64       2.04       1       8260B       11/9/2017       CJR       1         1,2,4-Trimethylbenzene       < 1.14       ug/l       1.14       3.63       1       8260B       11/9/2017       CJR       1         1,3,5-Trimethylbenzene       < 0.91       ug/l       0.91       2.9       1       8260B       11/9/2017       CJR       1         Vinyl Chloride       < 0.91       ug/l       0.91       2.9       1       8260B       11/9/2017       CJR       1         m&p-Xylene       < 0.19       ug/l       0.91       2.9       1       8260B       11/9/2017       CJR       1         o-Xylene       < 0.19       ug/l       0.91       0.62       1       8260B       11/9/2017       CJR       1         SUR - Toluene-d8       98       REC %       1       8260B       11/9/2017       CJR       1         SUR - 1,2-Dichloroethane-d4       104       REC %       1       8260B       11/9/2017       CJR       1 <td>1,1,1-Trichloroetha</td> <td>ne</td> <td>&lt; 0.35</td> <td>ug/l</td> <td>0.35</td> <td>1.11</td> <td>1</td> <td>8260B</td> <td></td> <td>11/9/2017</td> <td>CJR</td> <td>1</td>	1,1,1-Trichloroetha	ne	< 0.35	ug/l	0.35	1.11	1	8260B		11/9/2017	CJR	1
Trichlorofluoromethane       < 0.64       ug/l       0.64       2.04       1       8260B       11/9/2017       CJR       1         1,2,4-Trimethylbenzene       < 1.14	1,1,2-Trichloroetha	ne	< 0.65	ug/l	0.65	2.06	1	8260B		11/9/2017	CJR	1
1,2,4-Trimethylbenzene       < 1.14	Trichloroethene (TO	CE)	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,3,5-Trimethylbenzene       < 0.91	Trichlorofluoromet	hane	< 0.64	ug/l	0.64	2.04	1	8260B		11/9/2017	CJR	1
Vinyl Chloride       < 0.19       ug/l       0.19       0.62       1       8260B       11/9/2017       CJR       1         m&p-Xylene       < 1.56	1,2,4-Trimethylben	zene	< 1.14	ug/l	1.14	3.63	1	8260B		11/9/2017	CJR	1
m&p-Xylene       < 1.56       ug/l       1.56       4.95       1       8260B       11/9/2017       CJR       1         o-Xylene       < 0.39	1,3,5-Trimethylben	zene	< 0.91	ug/l	0.91	2.9	1	8260B		11/9/2017	CJR	1
o-Xylene       < 0.39       ug/l       0.39       1.25       1       8260B       11/9/2017       CJR       1         SUR - Toluene-d8       98       REC %       1       8260B       11/9/2017       CJR       1         SUR - 1,2-Dichloroethane-d4       104       REC %       1       8260B       11/9/2017       CJR       1	Vinyl Chloride		< 0.19	•	0.19	0.62	1	8260B		11/9/2017	CJR	1
SUR - Toluene-d8         98         REC %         1         8260B         11/9/2017         CJR         1           SUR - 1,2-Dichloroethane-d4         104         REC %         1         8260B         11/9/2017         CJR         1	m&p-Xylene		< 1.56	ug/l	1.56	4.95	1	8260B		11/9/2017	CJR	1
SUR - 1,2-Dichloroethane-d4         104         REC %         1         8260B         11/9/2017         CJR         1	o-Xylene		< 0.39	ug/l	0.39	1.25	1	8260B		11/9/2017	CJR	1
	SUR - Toluene-d8		98	REC %			1	8260B		11/9/2017	CJR	1
	SUR - 1,2-Dichloro	ethane-d4	104	REC %			1	8260B		11/9/2017	CJR	1
SUR - 4-Bromoriuorobenzene 96 REC % I 8260B II/9/2017 CJR I	SUR - 4-Bromofluc	orobenzene	96	REC %			1	8260B		11/9/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

SUR - Dibromofluoromethane

LOD Limit of Detection

1

8260B

LOQ Limit of Quantitation

11/9/2017

CJR

Code **Comment** 

98

1	Laboratory QC within limits.
2	Relative percent difference failed for laboratory spiked samples.
3	The matrix spike not within established limits.
5	The QC blank not within established limits.

REC %

CWT denotes sub contract lab - Certification #445126660

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** 

Ucherel Cul

	אח				いう	Sunerav	10				U	Chain #	×No		33 0		
Lab I.D. #			1000				2	02			۳[	Page_	1 of	1			
Account No. : 0	Quote No.:			Envin	muno.	Environmental	Lab.		Inc.			<i>i</i>	ample	Hand	Sample Handling Request	lest	
Project #: N2214617			1	100	D Proceed	1990 Prospect Ct - Amelator Mill First	1111				a)	Bus	sh Ana	Iysis D	Rush Analysis Date Required	lired	1
Sampler: (signature) Ce 972	(		-		320-830-24	920-830-2455 • FAX 920-733-0631	-733-06	31 4914					N	ormal	Normal Turn Around	und	(iii)
Project (Name / Location): ZZZ.	N. ONCIOL	200						Analy	Analycie Documental	tooling	],		4				
Reports TO: Chais Rogers		Invoice To:								Isanb		E	E	E	Other	Other Analysis	
Company Ourur,	Cor	Company					1	_						(			
Address One N. Systems	Dr. Add	Address					Т		-			San		60			
City State Zip Appleton ULI	City	City State Zip	đ							1	ENE		1-	4			
Phone 920-830-6331	Phone	ne								(15			((	90			
FAX	FAX								<b>ISAE</b>	08 A			8260	-			PID/
Lab I.D. Sample I.D. Date	Collection Comp	Grab	Filtered Y/N	No. of Containers	Sample Type	Preservation	DOM) OR	DA3	ччз) ни Кера	VOC (Eb SB	N + OO	US JATO ) WO DO	A93) OC MARDF	5/242)			E
ip Black	10/61 0900		1		K	d I		VE	0 8	-	\d	DT	AC	-			
10-	026060/11	×	2	5	S	Voc-Mod	3	-	×				×	>			
C 28-6	1000	×	4	4	S	11 1	5		×	-				<×			
	200/	×	2	5.	5	9 N			×			-	×	×			
100	1110	×	2	2	5				×				×	×			
1 2/2 - 04	0211	×	2:	2	5				×				×	×			-
	0611	×	2	2	2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			X				X	X			
T T/11 0 0/0	12-10	2)	Methels Ouly	5	30	Het Hus			×				×	×			
0	Sol	<		s	33	4 4			×				×	×			
Comments/Special Instructions ("Specify groundwater "GW", Drinking Water Eu squples - Voc present w/ Hcl	r groundwater "G	Mo	rinking W		Waste Water	"DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.) Seil- UOC preserved .	VoC	, OII, S	2 Indge	g; ,	X	NeOH.				_	
D	receiving lab.		Relinquished By: (sign)	(sign)	(	3/29 pm	Dai	12	Received By: (sign)	By: (sig	(1			l i	Time	Date	1 1
Temp. of Temp. Blank0 Cooler seal intact upon receipt: 1 Yes	°C On Ice:	College and												İ			18
		Recei	ved in Lab	Received in Laboratory By: 4	nord	Cherl	11 2	)			Time:	3:29	6		Date: 11/2/1-	211-	1
															1 1 7	111	T

### Synergy Environmental Lab, INC.

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

CHRIS ROGERS OMNNI ASSOCIATES INC ONE SYSTEMS DRIVE APPLETON WI 54914-1654

#### Report Date 16-Nov-17

Project Name Project #		22 N. ONEI 12214G17	DA					Invo	<b>bice</b> # E3385	53		
Lab Code		5033853A TW-09										
Sample ID												
Sample Matrix	X	Water										
Sample Date		11/6/2017	<b>D</b>	<b>TT 1</b> /	LOD					<b>D D</b> (		<b>a</b> 1
			Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic												
Metals												
Cadmium, Dissol	lved	1	0.7 "J"	ug/L	0.4	1.3	1	200.7		11/8/2017	CWT	1
Lead, Dissolved			1.0 "J"	ug/L	0.9	3	1	7421		11/7/2017	CWT	1
Organic												
PAH SIM												
Acenaphthene			0.063	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Acenaphthylene			< 0.019	ug/l	0.019	0.061	1	M8270C	11/7/2017	11/8/2017	NJC	1
Anthracene			0.065	ug/l	0.019	0.062	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(a)anthrace	ene		0.063	ug/l	0.017	0.054	1	M8270C	11/7/2017	11/8/2017	NJC	5
Benzo(a)pyrene			0.089	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(b)fluorant	her	ie	0.15	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)peryl	lene	e	0.065 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluorant	her	ie	0.046 "J"	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Chrysene			0.118	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Dibenzo(a,h)anth	irac	ene	< 0.025	ug/l	0.025	0.078	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluoranthene			0.292	ug/l	0.017	0.053	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluorene			0.056 "J"	ug/l	0.021	0.066	1	M8270C	11/7/2017	11/8/2017	NJC	1
Indeno(1,2,3-cd)	pyr	ene	0.063 "J"	ug/l	0.023	0.074	1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphtha	aler	ne	0.144	ug/l	0.024	0.076	1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphtha	aler	ne	0.081	ug/l	0.024	0.075	1	M8270C	11/7/2017	11/8/2017	NJC	1
Naphthalene			0.213	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Phenanthrene			0.33	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Pyrene			0.211	ug/l	0.02	0.063	1	M8270C	11/7/2017	11/8/2017	NJC	1
VOC's												
Benzene			< 0.17	ug/l	0.17	0.55	1	8260B		11/10/2017	CJR	1
Bromobenzene			< 0.43	ug/l	0.43	1.37	1	8260B		11/10/2017	CJR	1
Bromodichlorom	eth	ane	< 0.31	ug/l	0.31	1	1	8260B		11/10/2017	CJR	1
Bromoform			< 0.49	ug/l	0.49	1.56	1	8260B		11/10/2017	CJR	1
tert-Butylbenzene	e		< 0.39	ug/l	0.39	1.23	1	8260B		11/10/2017	CJR	1

Project Name	222 N. ONEIDA
Project #	N2214G17

Lab Code	5033853A
Sample ID	TW-09
Sample Matrix	Water
Sample Date	11/6/2017

Sample Date 11/6/2017									
	Result	Unit		LOQ Dil	Method	Ext Date	Run Date	-	Code
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76 1			11/10/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08 1	8260B		11/10/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68 1	8260B		11/10/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86 1	8260B		11/10/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6 1	8260B		11/10/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04 1	8260B		11/10/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15 1	8260B		11/10/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15 1	8260B		11/10/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11 1	8260B		11/10/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98 1	8260B		11/10/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44 1	8260B		11/10/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34 1	8260B		11/10/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43 1	8260B		11/10/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09 1	8260B		11/10/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2 1	8260B		11/10/2017	CJR	1
1,2-Dichloroethane	31.4	ug/l	0.45	1.43 1	8260B		11/10/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34 1	8260B		11/10/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47 1	8260B		11/10/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29 1	8260B		11/10/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12 1	8260B		11/10/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24 1			11/10/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55 1			11/10/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33 1			11/10/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65 1			11/10/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83 1			11/10/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09 1			11/10/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63 1			11/10/2017	CJR	1
Hexachlorobutadiene	< 0.2	ug/l	1.47	4.68 1			11/10/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93 1			11/10/2017	CJR	1
p-Isopropyltoluene	< 0.29	•	0.29	0.93 1			11/10/2017	CJR	1
Methylene chloride	< 0.28	ug/l	0.28	2.98 1			11/10/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.94	ug/l	0.94	2.98 1				CJR	1
	< 0.82	ug/l		6.9 1			11/10/2017	CJR	1
Naphthalene		ug/l	2.17				11/10/2017		
n-Propylbenzene	< 0.19	ug/l	0.19	0.62 1			11/10/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21 1			11/10/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48 1			11/10/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52 1			11/10/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13 1			11/10/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1 1			11/10/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63 1			11/10/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11 1			11/10/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06 1			11/10/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43 1			11/10/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04 1			11/10/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63 1			11/10/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9 1			11/10/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62 1			11/10/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95 1			11/10/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25 1			11/10/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %		1			11/10/2017	CJR	1
SUR - Dibromofluoromethane	97	REC %		1	8260B		11/10/2017	CJR	1
SUR - Toluene-d8	98	REC %		1	8260B		11/10/2017	CJR	1

Project Name Proiect #	222 N. ONEI N2214G17	IDA					Invoice	# E3385	53		
Lab Code	5033853A										
Sample ID	TW-09										
Sample Matrix	Water										
Sample Date	11/6/2017										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 1,2-Dichlor	roethane-d4	97	REC %			1	8260B		11/10/2017	CJR	1

0	222 N. ONE N2214G17	IDA					Invo	bice # E338:	53		
Lab Code Sample ID Sample Matrix Sample Date	5033853B TW-10 Water 11/6/2017										
		Result	Unit	LOD	LOQ Di	il	Method	Ext Date	Run Date	Analyst	Code
Inorganic											
Metals											
Cadmium, Dissolv	ed	0.5 "J"	ug/L	0.4	1.3	1	200.7		11/8/2017	CWT	1
Lead, Dissolved		< 0.9	ug/L	0.9	3	1	7421		11/7/2017	CWT	1
Organic											
PAH SIM											
Acenaphthene		0.077	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Acenaphthylene		< 0.019	ug/l	0.019	0.061	1	M8270C	11/7/2017	11/8/2017	NJC	1
Anthracene		0.038 "J"	ug/l	0.019	0.062	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(a)anthracen	e	0.0314 "J"	ug/l	0.017	0.054	1	M8270C	11/7/2017	11/8/2017	NJC	5
Benzo(a)pyrene		0.037 "J"	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(b)fluoranthe	ene	0.068	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)peryle	ne	0.032 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluoranthe	ene	0.0275 "J"	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Chrysene		0.056 "J"	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Dibenzo(a,h)anthra	acene	< 0.025	ug/l	0.025	0.078	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluoranthene		0.176	ug/l	0.017	0.053	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluorene		0.044 "J"	ug/l	0.021	0.066	1	M8270C	11/7/2017	11/8/2017	NJC	1
Indeno(1,2,3-cd)py		0.0313 "J"	ug/l	0.023		1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphthal		0.032 "J"	ug/l	0.024	0.076	1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphthal	ene	0.047 "J"	ug/l	0.024	0.075	1	M8270C	11/7/2017	11/8/2017	NJC	1
Naphthalene		0.052 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Phenanthrene		0.255	ug/l	0.025		1	M8270C	11/7/2017	11/8/2017	NJC	1
Pyrene		0.117	ug/l	0.02	0.063	1	M8270C	11/7/2017	11/8/2017	NJC	1
VOC's											
Benzene		< 0.17	ug/l	0.17	0.55	1	8260B		11/10/2017	CJR	1
Bromobenzene		< 0.43	ug/l	0.43		1	8260B		11/10/2017	CJR	1
Bromodichloromet	hane	< 0.31	ug/l	0.31	1	1	8260B		11/10/2017	CJR	1
Bromoform		< 0.49	ug/l	0.49		1	8260B		11/10/2017	CJR	1
tert-Butylbenzene		< 0.39	ug/l	0.39		1	8260B		11/10/2017	CJR	1
sec-Butylbenzene		< 0.24	ug/l	0.24		1	8260B		11/10/2017 11/10/2017	CJR	1
n-Butylbenzene Carbon Tetrachlori	da	< 0.34	ug/l	0.34		1	8260B		11/10/2017	CJR	1
Chlorobenzene	ide	< 0.21 < 0.27	ug/l	0.21 0.27		1 1	8260B 8260B		11/10/2017	CJR CJR	1 1
Chloroethane		< 0.27	ug/l	0.27		1	8260B		11/10/2017	CJR	1
Chloroform		< 0.96	ug/l ug/l	0.96		1	8260B		11/10/2017	CJR	1
Chloromethane		< 1.3	ug/l	1.3		1	8260B		11/10/2017	CJR	1
2-Chlorotoluene		< 0.36	ug/l	0.36		1	8260B		11/10/2017	CJR	1
4-Chlorotoluene		< 0.35	ug/l	0.35		1	8260B		11/10/2017	CJR	1
1,2-Dibromo-3-chl	oropropane	< 1.88	ug/l	1.88		1	8260B		11/10/2017	CJR	1
Dibromochloromet		< 0.45	ug/l	0.45		1	8260B		11/10/2017	CJR	1
1,4-Dichlorobenze	ne	< 0.42	ug/l	0.42		1	8260B		11/10/2017	CJR	1
1,3-Dichlorobenze		< 0.45	ug/l	0.45		1	8260B		11/10/2017	CJR	1
1,2-Dichlorobenze	ne	< 0.34	ug/l	0.34	1.09	1	8260B		11/10/2017	CJR	1
Dichlorodifluorom	ethane	< 0.38	ug/l	0.38		1	8260B		11/10/2017	CJR	1
1,2-Dichloroethane	e	4.3	ug/l	0.45	1.43	1	8260B		11/10/2017	CJR	1
1,1-Dichloroethane	e	< 0.42	ug/l	0.42	1.34	1	8260B		11/10/2017	CJR	1
1,1-Dichloroethene	e	< 0.46	ug/l	0.46	1.47	1	8260B		11/10/2017	CJR	1
cis-1,2-Dichloroeth	nene	< 0.41	ug/l	0.41	1.29	1	8260B		11/10/2017	CJR	1
trans-1,2-Dichloro	ethene	< 0.35	ug/l	0.35	1.12	1	8260B		11/10/2017	CJR	1
1,2-Dichloropropa	ne	< 0.39	ug/l	0.39	1.24	1	8260B		11/10/2017	CJR	1

Project Name	222 N. ONEIDA
Project #	N2214G17

Lab Code	5033853B
Sample ID	TW-10
Sample Matrix	Water
Sample Date	11/6/2017

	Result	Unit	LOD L	OQ Di	l	Method	Ext Date	Run Date	Analyst	Code
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		11/10/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		11/10/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		11/10/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		11/10/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		11/10/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		11/10/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		11/10/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		11/10/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		11/10/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		11/10/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		11/10/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		11/10/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		11/10/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		11/10/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		11/10/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		11/10/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		11/10/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		11/10/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		11/10/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		11/10/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		11/10/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		11/10/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		11/10/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		11/10/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		11/10/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		11/10/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		11/10/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		11/10/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		11/10/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/10/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		11/10/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		11/10/2017	CJR	1

J	222 N. ONE N2214G17	IDA					Invo	<b>bice #</b> E338:	53		
Lab Code	5033853C										
Sample ID	TRIP BLA	NK									
Sample Matrix Sample Date	Water 11/6/2017										
L.		Result	Unit	LOD	LOQ Dil	l	Method	Ext Date	Run Date	Analyst	Code
Organic				-	- 2						
VOC's											
Benzene		< 0.17	ug/l	0.17	0.55	1	8260B		11/10/2017	CJR	1
Bromobenzene		< 0.43	ug/l	0.17		1	8260B		11/10/2017	CJR	1
Bromodichloromet	thane	< 0.31	ug/l	0.13		1	8260B		11/10/2017	CJR	1
Bromoform		< 0.49	ug/l	0.49		1	8260B		11/10/2017	CJR	1
tert-Butylbenzene		< 0.39	ug/l	0.39	1.23	1	8260B		11/10/2017	CJR	1
sec-Butylbenzene		< 0.24	ug/l	0.24	0.76	1	8260B		11/10/2017	CJR	1
n-Butylbenzene		< 0.34	ug/l	0.34	1.08	1	8260B		11/10/2017	CJR	1
Carbon Tetrachlori	ide	< 0.21	ug/l	0.21	0.68	1	8260B		11/10/2017	CJR	1
Chlorobenzene		< 0.27	ug/l	0.27	0.86	1	8260B		11/10/2017	CJR	1
Chloroethane		< 0.5	ug/l	0.5	1.6	1	8260B		11/10/2017	CJR	1
Chloroform		< 0.96	ug/l	0.96	3.04	1	8260B		11/10/2017	CJR	1
Chloromethane		< 1.3	ug/l	1.3	4.15	1	8260B		11/10/2017	CJR	1
2-Chlorotoluene		< 0.36	ug/l	0.36		1	8260B		11/10/2017	CJR	1
4-Chlorotoluene		< 0.35	ug/l	0.35		1	8260B		11/10/2017	CJR	1
1,2-Dibromo-3-chl		< 1.88	ug/l	1.88		1	8260B		11/10/2017	CJR	1
Dibromochlorome		< 0.45	ug/l	0.45		1	8260B		11/10/2017	CJR	1
1,4-Dichlorobenze		< 0.42	ug/l	0.42		1	8260B		11/10/2017	CJR	1
1,3-Dichlorobenze		< 0.45	ug/l	0.45		1	8260B		11/10/2017	CJR	1
1,2-Dichlorobenze		< 0.34	ug/l	0.34		1	8260B		11/10/2017	CJR	1
Dichlorodifluorom		< 0.38	ug/l	0.38		1	8260B		11/10/2017	CJR	1
1,2-Dichloroethand		< 0.45 < 0.42	ug/l	0.45 0.42		1	8260B 8260B		11/10/2017	CJR CJR	1
1,1-Dichloroethene		< 0.42 < 0.46	ug/l	0.42		1 1	8260B 8260B		11/10/2017 11/10/2017	CJR CJR	1 1
cis-1,2-Dichloroetl	-	< 0.48	ug/l ug/l	0.40		1	8260B 8260B		11/10/2017	CJR CJR	1
trans-1,2-Dichloro		< 0.41	ug/l	0.41		1	8260B		11/10/2017	CJR	1
1,2-Dichloropropa		< 0.39	ug/l	0.35		1	8260B		11/10/2017	CJR	1
1,3-Dichloropropa		< 0.49	ug/l	0.39		1	8260B		11/10/2017	CJR	1
trans-1,3-Dichloro		< 0.42	ug/l	0.42		1	8260B		11/10/2017	CJR	1
cis-1,3-Dichloropr		< 0.21	ug/l	0.21		1	8260B		11/10/2017	CJR	1
Di-isopropyl ether	-	< 0.26	ug/l	0.26		1	8260B		11/10/2017	CJR	1
EDB (1,2-Dibromo		< 0.34	ug/l	0.34	1.09	1	8260B		11/10/2017	CJR	1
Ethylbenzene		< 0.2	ug/l	0.2	0.63	1	8260B		11/10/2017	CJR	1
Hexachlorobutadie	ene	< 1.47	ug/l	1.47	4.68	1	8260B		11/10/2017	CJR	1
Isopropylbenzene		< 0.29	ug/l	0.29	0.93	1	8260B		11/10/2017	CJR	1
p-Isopropyltoluene	•	< 0.28	ug/l	0.28	0.91	1	8260B		11/10/2017	CJR	1
Methylene chloride	e	< 0.94	ug/l	0.94	2.98	1	8260B		11/10/2017	CJR	1
Methyl tert-butyl e	ther (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		11/10/2017	CJR	1
Naphthalene		< 2.17	ug/l	2.17	6.9	1	8260B		11/10/2017	CJR	1
n-Propylbenzene		< 0.19	ug/l	0.19		1	8260B		11/10/2017	CJR	1
1,1,2,2-Tetrachloro		< 0.69	ug/l	0.69		1	8260B		11/10/2017	CJR	1
1,1,1,2-Tetrachloro	oethane	< 0.47	ug/l	0.47		1	8260B		11/10/2017	CJR	1
Tetrachloroethene		< 0.48	ug/l	0.48		1	8260B		11/10/2017	CJR	1
Toluene		< 0.67	ug/l	0.67		1	8260B		11/10/2017	CJR	1
1,2,4-Trichloroben		< 1.29	ug/l	1.29		1	8260B		11/10/2017	CJR	1
1,2,3-Trichloroben		< 0.83	ug/l	0.83		1	8260B		11/10/2017	CJR	1
1,1,1-Trichloroetha 1,1,2-Trichloroetha		< 0.35 < 0.65	ug/l	0.35 0.65		1 1	8260B 8260B		11/10/2017 11/10/2017	CJR CJR	1 1
Trichloroethene (T		< 0.65 < 0.45	ug/l ug/l	0.65		1	8260B 8260B		11/10/2017 11/10/2017	CJR CJR	1
Trichlorofluorome		< 0.45 < 0.64	ug/l ug/l	0.45		1	8260B 8260B		11/10/2017	CJR CJR	1
1,2,4-Trimethylber		< 1.14	ug/l	1.14		1	8260B 8260B		11/10/2017	CJR	1
1,2,1 IIIIICuty1001		× 1.17	~£/ 1	1.14	5.05	-	02000		11,10,2017	2710	-

Project Name Proiect #	222 N. ONE N2214G17	IDA					Invo	<b>bice</b> # E3385	53		
Lab Code Sample ID Sample Matrix Sample Date	5033853C TRIP BLA w Water 11/6/2017										
Sumpre 2 are	11, 0, 201,	Result	Unit	LOD	LOQ D	il	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbe	enzene	< 0.91	ug/l	0.91	-	1	8260B		11/10/2017	CJR	1
Vinyl Chloride		< 0.19	ug/l	0.19	0.62	1	8260B		11/10/2017	CJR	1
m&p-Xylene		< 1.56	ug/l	1.56	4.95	1	8260B		11/10/2017	CJR	1
o-Xylene		< 0.39	ug/l	0.39	1.25	1	8260B		11/10/2017	CJR	1
SUR - Toluene-da	8	102	REC %			1	8260B		11/10/2017	CJR	1
SUR - 1,2-Dichlo	proethane-d4	96	REC %			1	8260B		11/10/2017	CJR	1
SUR - 4-Bromofl	uorobenzene	100	REC %			1	8260B		11/10/2017	CJR	1
SUR - Dibromofl	uoromethane	97	REC %			1	8260B		11/10/2017	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.

5 The QC blank not within established limits.

CWT denotes sub contract lab - Certification #445126660

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

Michaelphul

CHAIN C	CHAIN COUSTODY RECORD	CORD	-					S	nerg						0 1	Chain #	#	°N	33	3		
Lab I.D. #						_	1	•		5		1		1000	⁻	Page.	-					
Account No. :		Quote No.:	: No.:				Envir	vironmental		Lab	à	And a	nc.				sh A	le Hai	Sample Handling Request Bush Analysis Data Bequired	Requ	est	
Project #: 12214 617	214 617						196	1990 Prospect Ct.	Ct. • Appleton, WI 54914	1, WI 5	491	-			(Rut	shes	accep	ted on	(Rushes accepted only with prior authorization)	prior au	thoriz	ation)
Sampler: (signature)	-hr	N						320-830-245	920-830-2455 • FAX 920-733-0631	733-0	631					1		Norm	Normal Turn Around	n Arou	pu	
Project (Name / Location):	ocation): ZZZ		5	30	Overda	2					Ans	lysis	Requ	Analysis Requested	-					Other Analysis	Inalys	sis
Reports To: CG-,'s	1	Ropers		Invoice To:	e To:		SAM	6			_	-			-		-	(	1			_
Company Ours				Company	any											S		יכי				
Address Ouc	~	ystens	5 10-	Address	SS						,				Э	опо		- 7			_	
City State Zip	odeta	as		City S	City State Zip	Cet	t7 01	C Apple	they Proje		ce da				TEN		(S.I	0			_	
Phone 720		12		Phone	6						0.01			(120	∀НТН							
FAX				FAX						_	0.00	_		8 A9		SUSP						PID/
Lab I.D.	Sample I.D.	Collection Date Time		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	GRO (M		OIL & GF	PAH (EP	PVOC (E PCB	PVOC +	S JATOT	VOC (EP VOC DW	ARCRA	012			2
5035855A	740-09	24	5101		x	Mebl	5	See	4 200				X		-		X	X				
8	7-4-10		1030			1 mo	5	600	Nehls				X				X	X				
2	Trip Black		1015		5	0	P 121	AUK	preserved									+				
																		1				
Comments/Special	Comments/Special Instructions ("Specify groundwater "GW", Drinking Water Mc to B are preserved w/ HC	specify groun	y groundwater "G) o-es e-u-o eservar u	ater "C	in i	rinking 12		"DW", Waste Water "WW" CD3 0407		Soil "S", Air "A"	N.S.	, Slu	, Oil, Sludge etc.)	(c.)	15	v	ć		5	1/4	1	
Sample Integri Met	Sample Integrity - To be completed by receiving lab. Method of Shipment: Temp. of Temp. Blank *C On Ice: 2	ed by rec	receiving lab. だんト		Relin	Inished	Relinquished By: (sign)		Time 1603	Date	8 B	Be	eived E	Received By: (sign)	Û					Time		Date
Cooler seal int	Cooler seal intact upon receipt: _	X	N N		Recei	ved in Le	Received in Laboratory By: 2000	Some	Obiter	Jula					Time:	5	Eo;h		Da	Date: 11/6/1.7	0/1:	N