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

OMNNI ASSOCIATES

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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 Water Resources of Wisconsin, Fox-Wolf River Basin 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 six-foot 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.

Prepared By: _____

Christopher J. Rogers
Scientist / Hydrogeology

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. NR 712.03 (3), 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.

Christopher J. Rogers
(Project Scientist / Hydrogeology)

"I, Don Brittnacher, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, 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 Brittnacher , _____

(Professional Geologist) **(P.G. Number)**

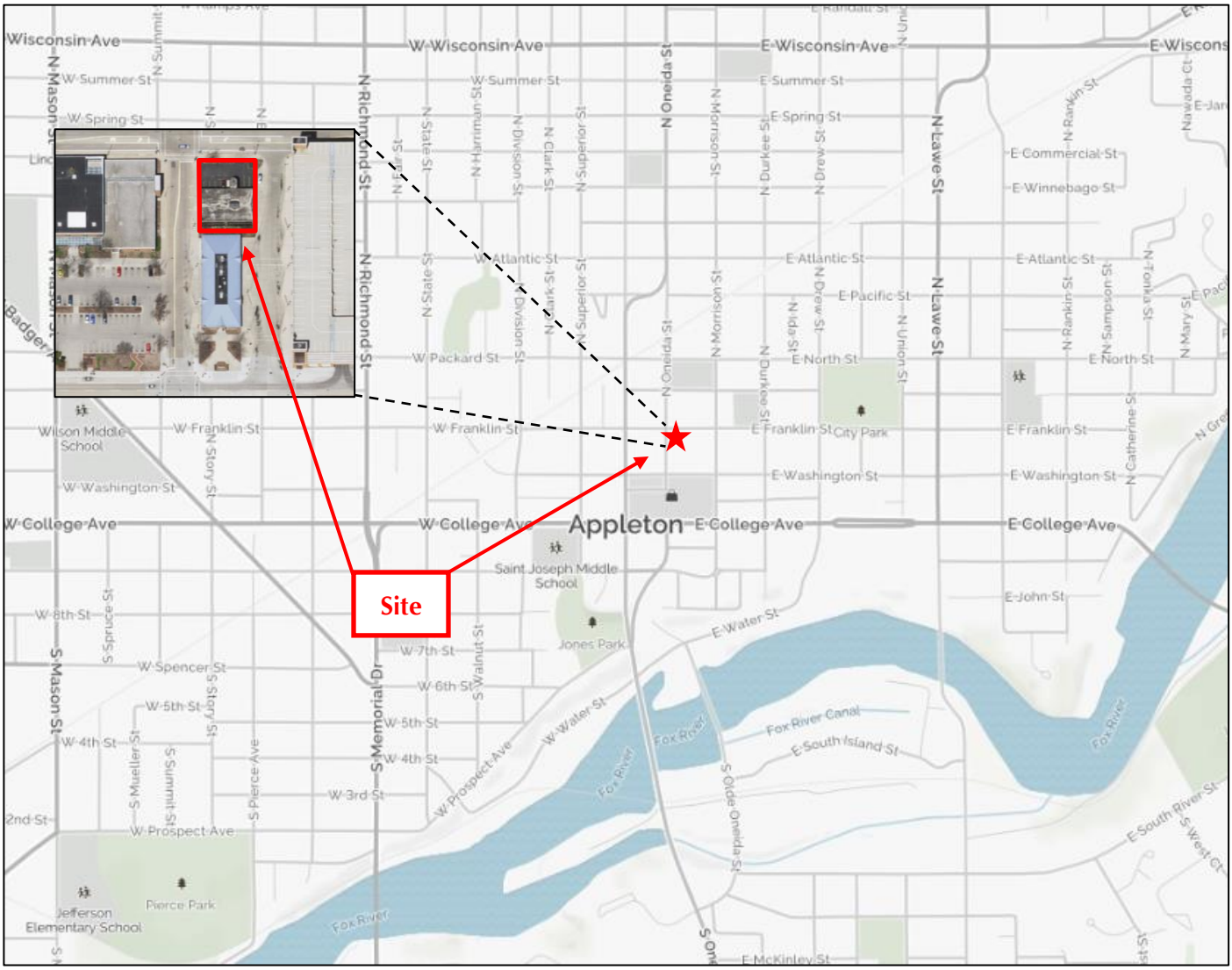
I, Don Brittnacher, certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, 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."

Don Brittnacher , _____

(Professional Engineer) **(P.E. Number)**

APPENDIX 1

FIGURES

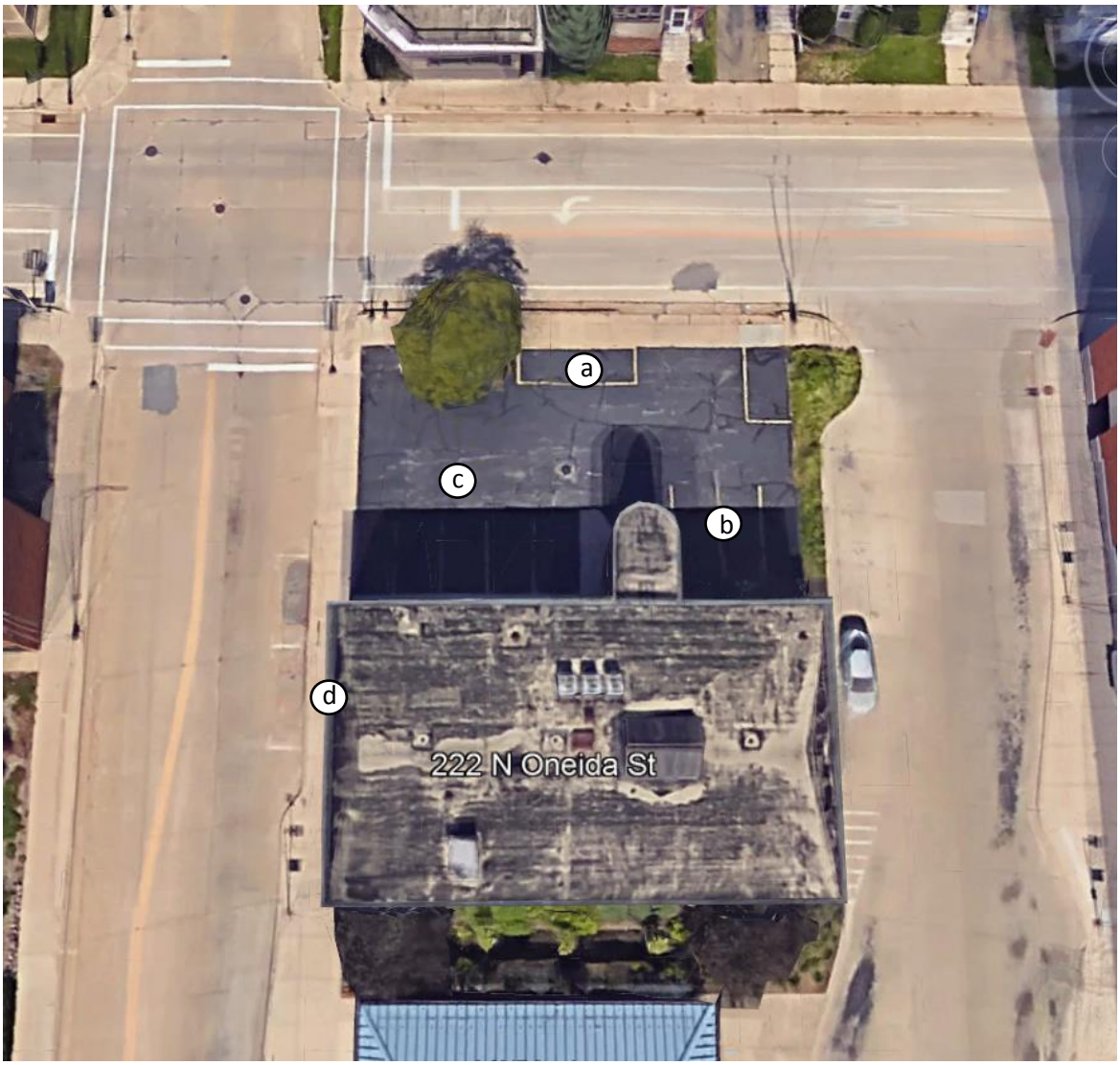


Source: Mapquest, reviewed 10/3/2017.

N

Site Location Map	
222 N. Oneida St. Appleton, WI	
OMNI ASSOCIATES	Project Number: N2214G17
	Date: November 21, 2017
One Systems Drive, Appleton, Wisconsin 54914-1654 Phone: (920) 735-6900 Fax: (920) 830-6100	

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

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W E
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222 N. ONEIDA STREET PHASE II

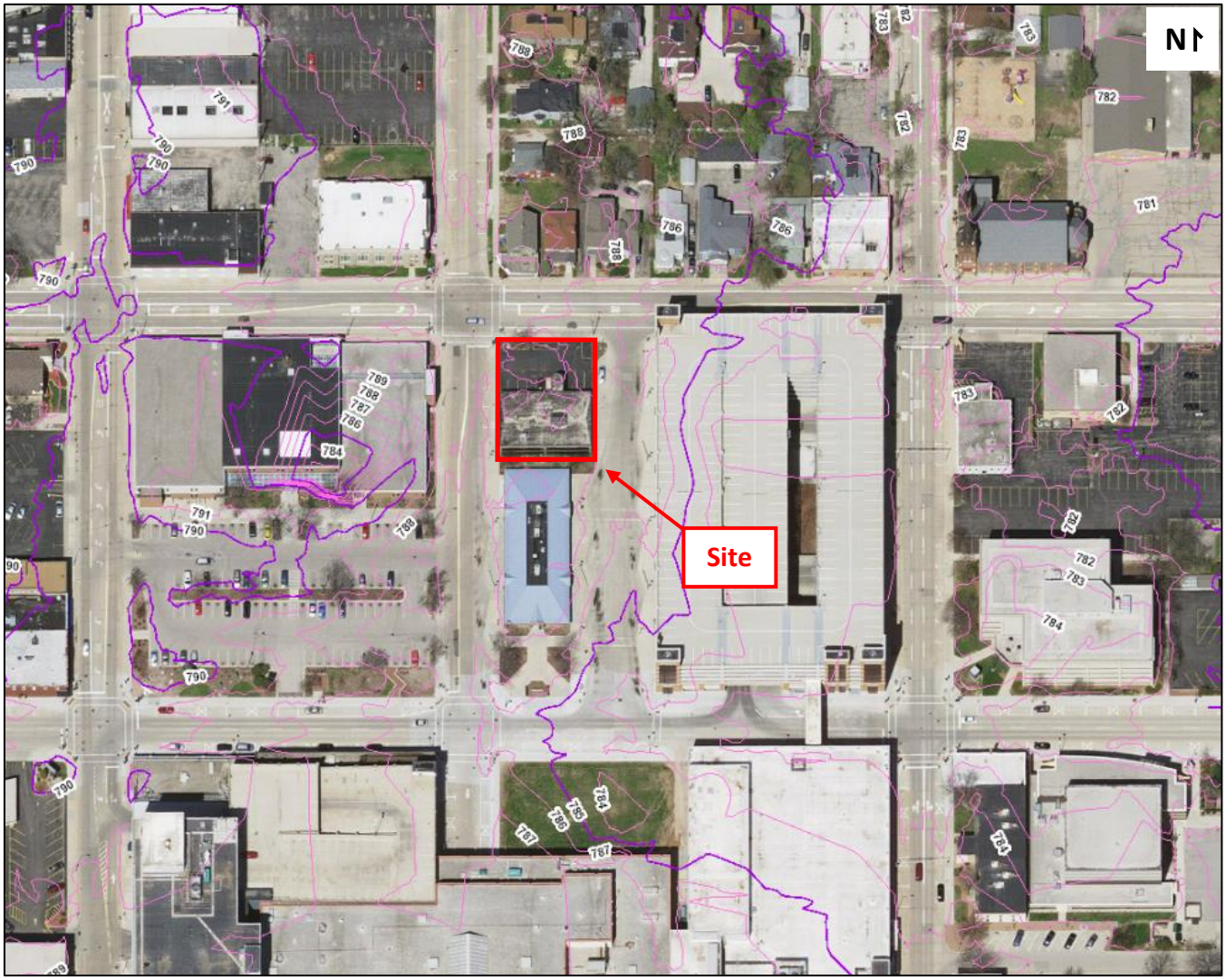
GEOPROBE LOCATIONS

222 N. ONEIDA STREET
CITY OF APPLETON, OUTAGAMIE COUNTY, WISCONSIN

Project Manager:	
Project Engineer:	
Drawn By:	JCW
Checked By:	
Date:	11/6/2017
SCALE:	1 " = 15 '
PROJECT NO.	**N2214G17**
FIGURE NO.	**A-1**

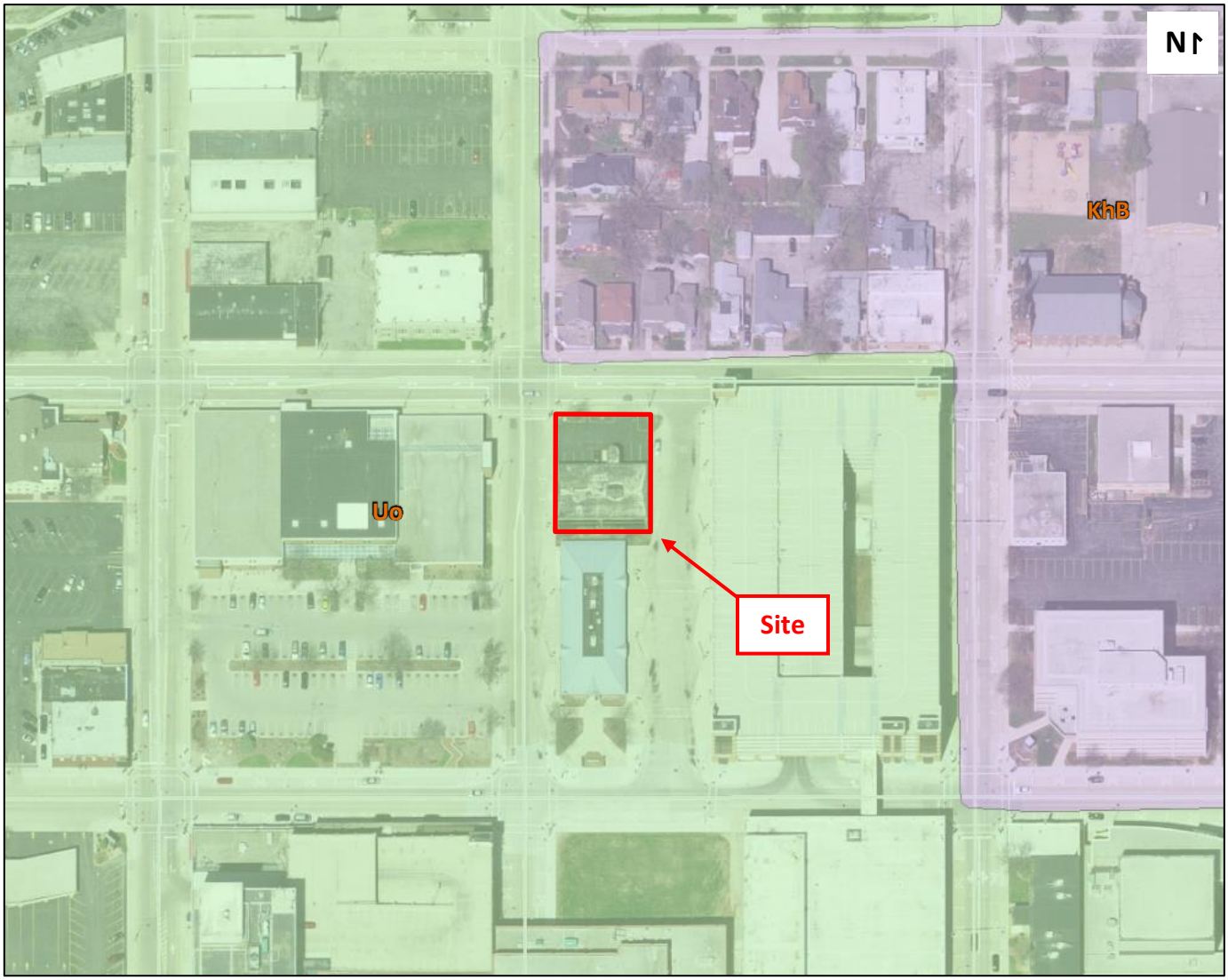
G17 (222 N. Oneida PhII)\GIS\BoringMap.mxd

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

Sample ID	Saturated/ Unsaturated	Sample Date	Depth (ft)	Lead (mg/kg)	Cadmium (mg/kg)	Detected Volatile Organic Compounds (VOCs) (mg/kg)						
						n-Butylbenzene	Ethylbenzene	Toluene	1,2,4-Trimethylbenzen	1,3,5-Trimethylbenzen	m&p-Xylene	o-Xylene
Background Threshold Value (mg/kg)				52	1	-	-	-	-	-	-	-
Groundwater Pathway RCL (mg/kg)				27	0.752	-	1.57	1.1072	1.3821 (combined)		3.96 (Combined)	
Industrial RCL (mg/kg)				800	985	108	35.4	818	219	182	260 (Combined)	
Non-Industrial RCL (mg/kg)				400	71.1	108	8.02	818	219	182	260 (Combined)	
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 = 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.

Sample ID	Saturated/ Unsaturated	Sample Date	Depth (ft)	Detected Polycyclic Aromatic Hydrocarbons (PAHs) (mg/kg)																
				Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Background Threshold Value (mg/kg)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Groundwater Pathway RCL (mg/kg)				-	196.949	-	0.47	0.4793	-	-	0.1446	-	88.8778	14.8299	-	-	-	0.6582	-	54.5455
Industrial 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-Industrial RCL (mg/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

Well	Sample Date	Detected Metals (ug/L)		Detected VOCs (ug/L)
		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	0.4*	
		LOQ	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

Well	Sample Date	Detected PAHs (ug/L)																
		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
					LOD	0.02	0.018			0.02								
					LOQ	0.065	0.058			0.065								

ES = enforcement standard
PAL = preventive action limit
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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-01

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 50.1" Long 88° 24' 20.5"

County Coordinates: X: 82770529 Feet Y: 56299850 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SB-01	36 36		0.5 1.0 1.5 2.0 2.5 3.0	**PAVEMENT** Asphalt SAND AND GRAVEL, Fill, brown, dry, (GP) SILTY CLAY, Fill, brown, dry Concrete Refusal at 3.0 feet. Bottom of borehole at 3.0 feet.				0						Sample from 2.0-2.8 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. 1 N Systems Drive Appleton, WI 54914	Tel: 920-735-6900 Fax: 920-830-6100

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-02

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 50.1" Long 88° 24' 20.5"

County Coordinates: X: 82770689 Feet Y: 56299866 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	12 12			**PAVEMENT** Asphalt SAND AND GRAVEL, fill, gray, dry										
			0.5											
			1.0	Large rock or concrete obstruction, no recovery Refusal at 1.0 feet. Bottom of borehole at 1.0 feet.										No water observed No sample taken

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-03

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 30.0" Long 88° 24' 20.5"

County Coordinates: X: 82770970 Feet Y: 56299610 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	12 11			**PAVEMENT** Asphalt										
			0.5	**BASE COURSE** SAND AND GRAVEL, fill, gray										
				Rock or concrete obstruction, no recovery										No sample taken
				Refusal at 0.9 feet. Bottom of borehole at 0.9 feet.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-04

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 50.0" Long 88° 24' 20.4"

County Coordinates: X: 82771030 Feet Y: 56299183 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	36 36		0.5	**PAVEMENT** Asphalt SAND AND GRAVEL, fill, grayish brown, dry										
			1.0	SILTY CLAY, fill, grayish brown, dry, stiff				0.2						No sample taken
			1.5											
			2.0											No water observed
			2.5											
			3.0	Refusal at 3.0 feet. Bottom of borehole at 3.0 feet.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-05

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 50.0" Long 88° 24' 20.6"

County Coordinates: X: 82769690 Feet Y: 56299125 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	10 10		0.5	**PAVEMENT** Asphalt SAND AND GRAVEL, brown, fill										
				Refusal at 0.8 feet. Bottom of borehole at 0.8 feet.										No sample taken

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-6/TW-06

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 49.8" Long 88° 24' 19.9"

County Coordinates: X: 82775272 Feet Y: 56296936 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48		0	**PAVEMENT** Asphalt				0						
SB-06	48		1	SAND WITH GRAVEL, Fill				0.2						Sample from 1-1.6'
			2	SILTY CLAY WITH SAND, Fill, dark gray				0						
			3	SILTY CLAY, Fill, reddish brown, moist										
	48		4											
	48		5											
			6											
			7											
	48		8	SILTY CLAY, Dark staining, reddish brown, moist				0						
	48		9	SILTY CLAY, reddish brown, moist										
			10					0						
			11	SAND WITH CLAY, brown, wet										Water observed at 11'
	36		12	SILTY SAND, brownish red, wet				0						
	36		13											
			14	SILTY CLAY, reddish brown, moist										
			15	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	Tel:
	OMNNI Associates, Inc. 1 N Systems Drive Appleton, WI 54914	920-735-6900 Fax: 920-830-6100

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 49.8" Long 88° 24' 20.5"

County Coordinates: X: 82770472 Feet Y: 56297202 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48		0	**PAVEMENT**										
	24		0.5	Asphalt										
				SAND AND GRAVEL, gray										
			1.0	SAND, and Clay, moderate hydrocarbon odor, moderate dark staining, fill, reddish brown to dark brown, moist										
			1.5											
			2.0											
			2.5					0						
			3.0											
			3.5											
	24		4.0											
	24		4.5											
			5.0					27						Sample from 5'-6'
SB-07			5.5											
			6.0	Refusal at 6.0 feet. Bottom of borehole at 6.0 feet.										No water observed

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-08/TW-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 49.8"
Long 88° 24' 20.4"

County Coordinates: X: 82771290 Feet Y: 56297254 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SB-08	48 48		0.5	**PAVEMENT** Asphalt SAND WITH GRAVEL, brown				0						
			1.0	GRAVEL, with Concrete, some Red brick										
			1.5											
			2.0											
			2.5					0						
			3.0											
			3.5					0						Sample from 3'-4'
	24 24		4.0											
			4.5											
			5.0											Water observed @ 5ft BGS
			5.5											
			6.0	Refusal at 6.0 feet. Bottom of borehole at 6.0 feet.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-09/TW-09

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 50.0" Long 88° 24' 2.2"

County Coordinates: X: 82772727 Feet Y: 56299638 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 48		1	**PAVEMENT** Asphalt SAND AND GRAVEL, with Clay				0						
SB-09			2 3	SILTY CLAY, hydrocarbon odor, dark reddish brown with, moist				1.5						Sample from 2'-2.5'
	48 48		4 5 6 7	SILTY CLAY, trace Gravel, reddish brown, dense to firm				0						No water observed
	48 48		8 9 10 11											
	36 36		12 13											
			14	SANDY SILT, with Clay, moist, soft										
			15	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	Tel:
	OMNNI Associates, Inc. 1 N Systems Drive Appleton, WI 54914	920-735-6900 Fax: 920-830-6100

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
222 N. Oneida		SB-10/TW-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil and Sample	11/3/2017	11/3/2017	Direct Push/Geoprobe

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	2.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R

Lat 44° 15' 50.1" Long 88° 24' 19.9"

County Coordinates: X: 82775050 Feet Y: 56299818 Feet

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Appleton

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength (tsf)	Moisture Content (%)	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 30		1	**PAVEMENT** - Asphalt Asphalt SAND AND GRAVEL, fill, gray "SILTY SAND WITH GRAVEL", some Clay, some Wood, fill, brown to reddish brown				0						
SB-10	48 48		4	SANDY SILT, reddish brown, soft				0						Sample from 3-4' Pushed Gravel/rock at 4.6-4.8
	48 48		8	SILTY CLAY, reddish brown, dry, dense to hard				0						
	36 36		12					0						
			13	SILTY CLAY, reddish brown, moist, soft										
			15	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	Tel / Fax
	OMNNI Associates, Inc. 1 N Systems Drive Appleton, WI 54914	Tel: 920-735-6900 Fax: 920-830-6100

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.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions) ____ N ____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 222 North Oneida Street

Well City, Village or Town	Well ZIP Code
City of Appleton	54911

Subdivision Name	Lot #

Reason for Removal from Service: Assessment Complete
WI Unique Well # of Replacement Well: ____ ____ ____ ____ ____

2. Facility / Owner Information

Facility Name: 222 North Oneida Street — SB-01
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Valley Premier Property, LLC
Present Well Owner: Valley Premier Property, LLC
Mailing Address of Present Owner: 3420 Nikodem Lane

City of Present Owner	State	ZIP Code
Abrams	WI	54101

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/03/2017

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
3.0'	2" Borehole

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2" Borehole	—

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.2	.1 Cubic Foot	
Bentonite Chips	0.2	3.0	.25 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil and Samples		11/03/2017

Street or Route	Telephone Number
W4490 Pope Road	(715) 539-3928

City	State	ZIP Code
Merrill	WI	54452

Signature of Person Doing Work: Christopher Rogers / OMNNI Associates
Date Signed: 11/03/2017

DNR Use Only

Date Received	Noted By

Comments:

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**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions) ____ N ____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 222 North Oneida Street
Well City, Village or Town: City of Appleton
Well ZIP Code: 54911
Subdivision Name:
Lot #:
Reason for Removal from Service: Assessment Complete
WI Unique Well # of Replacement Well: ____

2. Facility / Owner Information

Facility Name: 222 North Oneida Street SB-02
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Valley Premier Property, LLC
Present Well Owner: Valley Premier Property, LLC
Mailing Address of Present Owner: 3420 Nikodem Lane

City of Present Owner	State	ZIP Code
Abrams	WI	54101

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 11/03/2017
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
1.0'	2" Borehole
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2" Borehole	—

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
—	—

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☒ N/A — cp
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.2	.1 Cubic Foot	
Bentonite Chips	0.2	1.0'	.1 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil and Samples		11/03/2017

Street or Route	Telephone Number
W4490 Pope Road	(715) 539-3928

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Merrill	WI	54452	Christopher Rogers / OMNNI Associates	11/03/2017

DNR Use Only

Date Received	Noted By

Comments:

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**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions) ____ N ____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 222 North Oneida Street

Well City, Village or Town	Well ZIP Code
City of Appleton	54911

Subdivision Name	Lot #

Reason for Removal from Service: Assessment Complete

WI Unique Well # of Replacement Well: ____ ____ ____ ____ ____

2. Facility / Owner Information

Facility Name: 222 North Oneida Street — SB-03

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Valley Premier Property, LLC

Present Well Owner: Valley Premier Property, LLC

Mailing Address of Present Owner: 3420 Nikodem Lane

City of Present Owner	State	ZIP Code
Abrams	WI	54101

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/03/2017

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
0.9'	2" Borehole

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2" Borehole	0.9' N/A

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
—	—

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.2	.1 Cubic Foot	
Bentonite Chips	0.2	0.9'	.1 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil and Samples		11/03/2017

Street or Route	Telephone Number
W4490 Pope Road	(715) 539-3928

City	State	ZIP Code
Merrill	WI	54452

Signature of Person Doing Work: Christopher Rogers / OMNNI Associates

Date Signed: 11/03/2017

DNR Use Only

Date Received	Noted By

Comments:

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**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Outagamie
WI Unique Well # of Removed Well:
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ or Gov't Lot #:
¼:
Section:
Township: N
Range: ☐ E ☐ W
Well Street Address: 222 North Oneida Street
Well City, Village or Town: City of Appleton
Well ZIP Code: 54911
Subdivision Name:
Lot #:
Reason for Removal from Service: Assessment Complete
WI Unique Well # of Replacement Well: ___ ___ — ___ ___ — ___

2. Facility / Owner Information

Facility Name: 222 North Oneida Street SB-04
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Valley Premier Property, LLC
Present Well Owner: Valley Premier Property, LLC
Mailing Address of Present Owner: 3420 Nikodem Lane
City of Present Owner: Abrams
State: WI
ZIP Code: 54101

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole
Original Construction Date (mm/dd/yyyy): 11/03/2017
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): Geoprobe

Formation Type:
☐ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 3.0'
Casing Diameter (in.): 2" Borehole
Lower Drillhole Diameter (in.): 2" Borehole
Casing Depth (ft.): —
Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)? —
Depth to Water (feet): —

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☑ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.2	.1 Cubic Foot	
Bentonite Chips	0.2	3.0'	.25 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Geiss Soil and Samples
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 11/03/2017
Street or Route: W4490 Pope Road
Telephone Number: (715) 539-3928
City: Merrill
State: WI
ZIP Code: 54452
Signature of Person Doing Work: Christopher Rogers / OMNNI Associates
Date Signed: 11/03/2017

DNR Use Only
Date Received:
Noted By:
Comments:

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**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions) ____ N ____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 222 North Oneida Street
Well City, Village or Town: City of Appleton
Well ZIP Code: 54911
Subdivision Name:
Lot #:
Reason for Removal from Service: Assessment Complete
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: 222 North Oneida Street SB-05
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Valley Premier Property, LLC
Present Well Owner: Valley Premier Property, LLC
Mailing Address of Present Owner: 3420 Nikodem Lane

City of Present Owner	State	ZIP Code
Abrams	WI	54101

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/03/2017
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): Geoprobe

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
0.8	2" Borehole
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2" Borehole	—

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
—	—

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.2	.1 Cubic Foot	
Bentonite Chips	0.2	0.8	.1 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil and Samples		11/03/2017

Street or Route: W4490 Pope Road
Telephone Number: (715) 539-3928

City	State	ZIP Code
Merrill	WI	54452

Signature of Person Doing Work: Christopher Rogers / OMNNI Associates
Date Signed: 11/03/2017

DNR Use Only

Date Received	Noted By

Comments:

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**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions) ____ N ____ W | Format Code: ☐ DD ☐ DDM | Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 222 North Oneida Street

Well City, Village or Town	Well ZIP Code
City of Appleton	54911

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Assessment Complete	

2. Facility / Owner Information

Facility Name: 222 North Oneida Street — SB-7

Facility ID (FID or PWS):

License/Permit/Monitoring #:

Original Well Owner: Valley Premier Property, LLC

Present Well Owner: Valley Premier Property, LLC

Mailing Address of Present Owner: 3420 Nikodem Lane

City of Present Owner	State	ZIP Code
Abrams	WI	54101

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/03/2017

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): Geoprobe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
6.0'	2" Borehole

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2" Borehole	—

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
—	—

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☑ N/A
Liner(s) perforated?	☐ Yes	☐ No	☑ N/A
Screen removed?	☐ Yes	☐ No	☑ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☑ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☑ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☑ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☑ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.2	.1 Cubic Foot	
Bentonite Chips	0.2	6.0'	.25 Bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil and Samples		11/03/2017

Street or Route	Telephone Number
W4490 Pope Road	(715) 539-3928

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Merrill	WI	54452	Christopher Rogers / OMNNI Associates	11/03/2017

DNR Use Only

Date Received	Noted By

Comments:

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**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Outagamie		

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #			N	☐ E ☐ W

Well Street Address: 222 North Oneida Street
Well City, Village or Town: City of Appleton
Well ZIP Code: 54911
Subdivision Name:
Lot #:
Reason for Removal from Service: Assessment Complete
WI Unique Well # of Replacement Well: ___ ___ ___ ___ ___

2. Facility / Owner Information

Facility Name: 222 North Oneida Street SB-08/TW8
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Valley Premier Property, LLC
Present Well Owner: Valley Premier Property, LLC
Mailing Address of Present Owner: 3420 Nikodem Lane

City of Present Owner	State	ZIP Code
Abrams	WI	54101

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/03/2017
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): Geoprobe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
6.0'	2" Borehole
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2" Borehole	6'

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
—	5'

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☑ N/A
Liner(s) perforated?	☐ Yes	☐ No	☑ N/A
Screen removed?	☑ Yes	☐ No	☐ N/A
Casing left in place?	☐ Yes	☒ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☑ No	☐ N/A
Did sealing material rise to surface?	☑ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☑ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☑ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☑ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☑ Other (Explain): Gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☑ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.2	.1 Cubic Foot	
Bentonite Chips	0.2	6.0'	.25 bag	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Geiss Soil and Samples		11/03/2017

Street or Route	Telephone Number
W4490 Pope Road	(715) 539-3928

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Merrill	WI	54452	Christopher Rogers / OMNNI Associates	11/03/2017

DNR Use Only

Date Received	Noted By
Comments	

APPENDIX 4

HANDBOOK OF FIELD PROCEDURES

HANDBOOK OF FIELD PROCEDURES

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PERSONNEL QUALIFICATIONS

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

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, Soil Sampling Requirements for LUST Site Investigations and Excavations and chapter COMM 10, Flammable and Combustible Liquids, 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, Interim Guidance On Natural Attenuation For Petroleum Releases, 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. half-filled), 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:

Minimum Sample Headspace Equilibration Time

Ambient Outside Air Temperature at the Time of Sample Collection:	Minimum Amount of Time Sample Must 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

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, flush-thread 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 Groundwater

Sampling Field Manual, Publ. DG-038 96, September 1996 and WDNR's Groundwater Sampling Desk Reference, Publ. DG-037 96, September 1996.

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	4 oz. wide mouth glass jar (2 per sample)	4 oz.	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 HNO_3 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 222 N. ONEIDA
Project # N2214G17

Invoice # E33843

Lab Code 5033843A
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 10/31/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
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
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		11/9/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	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 Tetrachloride	< 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-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/9/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		11/9/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		11/9/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	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-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		11/9/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		11/9/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		11/9/2017	CJR	1
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

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

Lab Code 5033843A
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 10/31/2017

	Result	Unit	LOD	LOQ	Dil	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

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	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	0.17	0.58	1	6010B		11/10/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	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	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracene	0.0163 "J"	mg/kg	0.0116	0.037	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)fluoranthene	0.0297 "J"	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)perylene	0.0268 "J"	mg/kg	0.0114	0.036	1	M8270C	11/6/2017	11/13/2017	NJC	3
Benzo(k)fluoranthene	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)anthracene	< 0.0078	mg/kg	0.0078	0.0251	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	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0114	mg/kg	0.0114	0.0362	1	M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthalene	0.036 "J"	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthalene	0.052	mg/kg	0.0113	0.0358	1	M8270C	11/6/2017	11/13/2017	NJC	1
Naphthalene	0.0303 "J"	mg/kg	0.0153	0.0486	1	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
Bromodichloromethane	< 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 Tetrachloride	< 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-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/8/2017	CJR	1
Dichlorodifluoromethane	< 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 **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

Lab Code 5033843C
Sample ID SB-6
Sample Matrix 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
Inorganic										
Metals										
Cadmium, Total	< 0.08	mg/Kg	0.08	0.25	1	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	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracene	0.288	mg/kg	0.0116	0.037	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene	0.278	mg/kg	0.0113	0.0359	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranthene	0.42	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)perylene	0.247	mg/kg	0.0114	0.036	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(k)fluoranthene	0.159	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene	0.34	mg/kg	0.0121	0.0383	1	M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthracene	0.0125 "J"	mg/kg	0.0078	0.0251	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene	0.76	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluorene	0.0197 "J"	mg/kg	0.0179	0.057	1	M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.20	mg/kg	0.0114	0.0362	1	M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthalene	< 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
Bromodichloromethane	< 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 Tetrachloride	< 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-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/8/2017	CJR	1
Dichlorodifluoromethane	< 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 **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

Lab Code 5033843D
Sample ID SB-7
Sample Matrix Soil
Sample Date 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	0.17	0.58	1	6010B		11/10/2017	CWT	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	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)fluoranthene	0.216	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)perylene	0.139	mg/kg	0.0114	0.036	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(k)fluoranthene	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)anthracene	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)pyrene	0.111	mg/kg	0.0114	0.0362	1	M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthalene	0.0253 "J"	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthalene	< 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	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	1	8260B		11/8/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		11/8/2017	CJR	1
Bromodichloromethane	< 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 Tetrachloride	< 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-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/8/2017	CJR	1
Dichlorodifluoromethane	< 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 **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.6	%			1	5021		11/6/2017	NJC	1
Inorganic										
Metals										
Cadmium, Total	0.010 "J"	mg/Kg	0.08	0.25	1	6010B		11/10/2017	CWT	1
Lead, Total	114	mg/Kg	0.17	0.58	1	6010B		11/10/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	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	0.04	mg/kg	0.0109	0.0345	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracene	0.096	mg/kg	0.0116	0.037	1	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)fluoranthene	0.176	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)perylene	0.138	mg/kg	0.0114	0.036	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(k)fluoranthene	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	1	M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene	0.314	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.101	mg/kg	0.0114	0.0362	1	M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthalene	< 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	0.15	mg/kg	0.0111	0.0352	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	1	8260B		11/8/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		11/8/2017	CJR	1
Bromodichloromethane	< 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 Tetrachloride	< 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-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/8/2017	CJR	1
Dichlorodifluoromethane	< 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 **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

Lab Code 5033843F
Sample ID SB-09
Sample Matrix Soil
Sample Date 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	mg/Kg	0.08	0.25	1	6010B		11/10/2017	CWT	1
Lead, Total	397	mg/Kg	0.17	0.58	1	6010B		11/10/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	11/6/2017	11/13/2017	NJC	1
Acenaphthylene	0.0163 "J"	mg/kg	0.0159	0.0508	1	M8270C	11/6/2017	11/13/2017	NJC	1
Anthracene	0.032 "J"	mg/kg	0.0109	0.0345	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracene	0.062	mg/kg	0.0116	0.037	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene	0.056	mg/kg	0.0113	0.0359	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranthene	0.086	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)perylene	0.10	mg/kg	0.0114	0.036	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(k)fluoranthene	0.033 "J"	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Chrysene	0.162	mg/kg	0.0121	0.0383	1	M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthracene	0.0197 "J"	mg/kg	0.0078	0.0251	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene	0.197	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluorene	0.0277 "J"	mg/kg	0.0179	0.057	1	M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.047	mg/kg	0.0114	0.0362	1	M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthalene	0.0239 "J"	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthalene	0.0197 "J"	mg/kg	0.0113	0.0358	1	M8270C	11/6/2017	11/13/2017	NJC	1
Naphthalene	0.0239 "J"	mg/kg	0.0153	0.0486	1	M8270C	11/6/2017	11/13/2017	NJC	1
Phenanthrene	0.139	mg/kg	0.0111	0.0352	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	1	8260B		11/8/2017	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		11/8/2017	CJR	1
Bromodichloromethane	< 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	0.054 "J"	mg/kg	0.04	0.13	1	8260B		11/8/2017	CJR	1
Carbon Tetrachloride	< 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-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/8/2017	CJR	1
Dichlorodifluoromethane	< 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 **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.7	%			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	54	mg/Kg	0.17	0.58	1	6010B		11/10/2017	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	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	0.016 "J"	mg/kg	0.0109	0.0345	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)anthracene	0.039	mg/kg	0.0116	0.037	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(a)pyrene	0.037	mg/kg	0.0113	0.0359	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(b)fluoranthene	0.068	mg/kg	0.013	0.041	1	M8270C	11/6/2017	11/13/2017	NJC	1
Benzo(g,h,i)perylene	0.045	mg/kg	0.0114	0.036	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	NJC	1
Chrysene	0.058	mg/kg	0.0121	0.0383	1	M8270C	11/6/2017	11/13/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluoranthene	0.121	mg/kg	0.0147	0.0469	1	M8270C	11/6/2017	11/13/2017	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	11/6/2017	11/13/2017	NJC	1
Indeno(1,2,3-cd)pyrene	0.034 "J"	mg/kg	0.0114	0.0362	1	M8270C	11/6/2017	11/13/2017	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	11/6/2017	11/13/2017	NJC	1
2-Methyl naphthalene	< 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	0.062	mg/kg	0.0111	0.0352	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										
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
Bromodichloromethane	< 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 Tetrachloride	< 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-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/8/2017	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/8/2017	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/8/2017	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/8/2017	CJR	1
Dichlorodifluoromethane	< 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 **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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	119	Rec %			1	8260B		11/8/2017	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Dibromofluoromethane	100	Rec %			1	8260B		11/8/2017	CJR	1
SUR - Toluene-d8	93	Rec %			1	8260B		11/8/2017	CJR	1

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Cadmium, Dissolved	0.6 "J"	ug/L	0.4	1.3	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)anthracene	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)fluoranthene	0.0238 "J"	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)perylene	< 0.025	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluoranthene	< 0.016	ug/l	0.016	0.05	1	M8270C	11/7/2017	11/8/2017	NJC	1
Chrysene	< 0.02	ug/l	0.02	0.065	1	M8270C	11/7/2017	11/8/2017	NJC	1
Dibenzo(a,h)anthracene	< 0.025	ug/l	0.025	0.078	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluoranthene	0.094	ug/l	0.017	0.053	1	M8270C	11/7/2017	11/8/2017	NJC	1
Fluorene	0.0305 "J"	ug/l	0.021	0.066	1	M8270C	11/7/2017	11/8/2017	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.023	ug/l	0.023	0.074	1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphthalene	0.063 "J"	ug/l	0.024	0.076	1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphthalene	0.097	ug/l	0.024	0.075	1	M8270C	11/7/2017	11/8/2017	NJC	1
Naphthalene	0.098	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Phenanthrene	0.245	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Pyrene	0.059 "J"	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
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		11/9/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	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 Tetrachloride	< 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-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/9/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		11/9/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		11/9/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	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-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		11/9/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		11/9/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		11/9/2017	CJR	1

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

Lab Code 5033843I
Sample ID TW-06
Sample Matrix Water
Sample Date 11/3/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Cadmium, Dissolved	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	0.062	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(a)anthracene	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)fluoranthene	0.08	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)perylene	0.046 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluoranthene	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)anthracene	< 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)pyrene	0.037 "J"	ug/l	0.023	0.074	1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphthalene	< 0.024	ug/l	0.024	0.076	1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphthalene	< 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
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		11/9/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	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 Tetrachloride	< 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-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		11/9/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		11/9/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		11/9/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		11/9/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		11/9/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		11/9/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	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-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		11/9/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		11/9/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		11/9/2017	CJR	1

Project Name 222 N. ONEIDA **Invoice #** E33843
Project # N2214G17

Lab Code 5033843I
Sample ID TW-06
Sample Matrix Water
Sample Date 11/3/2017

	Result	Unit	LOD	LOQ	Dil	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 - 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
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		11/9/2017	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		11/9/2017	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.
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.

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

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 3300

Page 1 of 1

Sample Handling Request
_____ Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
_____ Normal Turn Around

Lab I.D. #

Account No. : **Quote No.:**

Project #: N2214G17

Sampler: (signature) [signature]

Project (Name / Location): 222. N. Oneida

Reports To: Chris Rogers	Invoice To:
Company OMNNI	Company
Address One N. Systems Dr.	Address
City State Zip Appleton WI	City State Zip
Phone 920-830-6331	Phone
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	Metals (Pb + Cd)	PID/ FID
5033843A	Trip Blank	10/31	0700			—			T R I P	B	C	A	N	K											
B	SB-01	11/03	0920		X	N	4	S	VOC-MeOH						X							X	X		
C	SB-6		1000		X	N	4	S	"						X							X	X		
D	SB-7		1050		X	N	4	S	"						X							X	X		
E	SB-08		1110		X	N	4	S	"						X							X	X		
F	SB-09		1120		X	N	4	S	"						X							X	X		
G	SB-10		1150		X	N	4	S	"						X							X	X		
H	TW-8	11/03	1240		X	Metals Only	5	GW	VOC HCl / Metals HNO3						X							X	X		
I	TW-06	11/03	1305		X		5	GW	" "						X							X	X		

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

GW samples - VOC preserved w/ HCl
- Metals preserved w/ HNO3

Soil - VOC preserved w MeOH.

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Client

Temp. of Temp. Blank ___ °C On Ice: ✓

Cooler seal intact upon receipt: ✓ Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
[signature]	3:29 PM	11/03			

Received in Laboratory By: [signature] Time: 3:29 Date: 11/3/17

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 222 N. ONEIDA
Project # N2214G17

Invoice # E33853

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
Inorganic										
Metals										
Cadmium, Dissolved	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)anthracene	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)fluoranthene	0.15	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)perylene	0.065 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluoranthene	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)anthracene	< 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)pyrene	0.063 "J"	ug/l	0.023	0.074	1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphthalene	0.144	ug/l	0.024	0.076	1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphthalene	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
Bromodichloromethane	< 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	< 0.39	ug/l	0.39	1.23	1	8260B		11/10/2017	CJR	1

Project Name 222 N. ONEIDA **Invoice #** E33853
Project # N2214G17

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
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 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	8260B		11/10/2017	CJR	1
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	102	REC %			1	8260B		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 222 N. ONEIDA **Invoice #** E33853
Project # N2214G17

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-Dichloroethane-d4	97	REC %			1	8260B		11/10/2017	CJR	1

Project Name 222 N. ONEIDA **Invoice #** E33853
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Cadmium, Dissolved	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)anthracene	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)fluoranthene	0.068	ug/l	0.018	0.058	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(g,h,i)perylene	0.032 "J"	ug/l	0.025	0.081	1	M8270C	11/7/2017	11/8/2017	NJC	1
Benzo(k)fluoranthene	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)anthracene	< 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)pyrene	0.0313 "J"	ug/l	0.023	0.074	1	M8270C	11/7/2017	11/8/2017	NJC	1
1-Methyl naphthalene	0.032 "J"	ug/l	0.024	0.076	1	M8270C	11/7/2017	11/8/2017	NJC	1
2-Methyl naphthalene	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	0.081	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	1.37	1	8260B		11/10/2017	CJR	1
Bromodichloromethane	< 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	< 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 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	4.3	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	8260B		11/10/2017	CJR	1

Project Name 222 N. ONEIDA **Invoice #** E33853
Project # N2214G17

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

	Result	Unit	LOD	LOQ	Dil	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

Project Name 222 N. ONEIDA **Invoice #** E33853
Project # N2214G17

Lab Code 5033853C
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 11/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
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
Bromodichloromethane	< 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	< 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 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	< 0.45	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	8260B		11/10/2017	CJR	1
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

Project Name 222 N. ONEIDA **Invoice #** E33853
Project # N2214G17

Lab Code 5033853C
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 11/6/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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 - Toluene-d8	102	REC %			1	8260B		11/10/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		11/10/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		11/10/2017	CJR	1
SUR - Dibromofluoromethane	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

CHAIN OF CUSTODY RECORD

Synergy
Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # № 32731

Page 1 of 1

Sample Handling Request
_____ Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
_____ Normal Turn Around

Lab I.D. #	
Account No. :	Quote No.:
Project #: N2214 G17	
Sampler: (signature)	
Project (Name / Location): 222 N. Oneida	
Reports To: Chris Rogers	Invoice To: SAME
Company OMNNI	Company
Address One N. Systems Dr	Address
City State Zip Appleton WI	City State Zip City of Appleton Project
Phone 920 830-6331	Phone
FAX	FAX

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	Metals (Pb + Cd)	PID/FID
503385 3A	TW-09	11/06	1015		✓	Metals	5	GW	VOC +						X							X		X	
B	TW-10	11/06	1030		✓	only	5	GW	Metals						X							X		X	
C	Trip Blank	11/06	1015			TRIP BLANK			preserved																

Analysis Requested — Other Analysis

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

Metals are preserved w/ HNO_3 and filtered

VOC's are preserved w/ HCl and unfiltered PAH's are unfiltered

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Client

Temp. of Temp. Blank ___ °C On Ice: ✓

Cooler seal intact upon receipt: ✓ Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1603	11/06/17			

Received in Laboratory By: [signature] Time: 4:03 Date: 11/6/17