

April 11, 2019

Mr. Tauren Beggs
Hydrogeologist
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727

Re: Allyn Property – Site Investigation Update – BRRTS ID #02-31-564071 – OMNNI Job No. N2162C15

Dear Mr. Beggs:

OMNNI Associates executed the work plan proposed on October 29, 2018. The following is an update of the work completed, and summary of results.

Background:

On September 10, 2018 a representative from OMNNI Associates met with Mr. Tauren Beggs and Mr. John Emery - Manager of the Allyn Property at the Department of Natural Resources office in Green Bay. Based on the meeting, it was decided the best course of action for the property would be to further delineate the groundwater contamination (both vertically and horizontally) and conduct a sub-slab vapor investigation at the properties which immediately border the subject property to the west and east.

Based on the meeting, OMNNI proposed the following work:

- Install two permanent monitoring wells to the east and northeast of the subject property in the right-of-way. These wells will be installed to a depth of 25' and are anticipated to be screened to 15' below ground surface.
- Install one permanent piezometer directly to the northeast of the subject property in the alley between the buildings. This piezometer will be installed to a depth of 40' and is anticipated to be screened at the bottom 5' of the piezometer. Additionally, it is anticipated this piezometer will be advanced 10' into bedrock.
- Conduct one round of groundwater sampling on the previously installed monitoring wells on the site.
- Obtain one soil sample from each of the newly installed monitoring wells and analyze for volatile organic compounds.
- Conduct a sub-slab vapor test in the basement of the buildings directly to the east and west of the subject property. The location of the vapor pins and number of vapor samples will be determined after a site visit. However, it is anticipated there will be one to two vapor probes installed per building.

Work Conducted:

On October 31, 2018, OMNNI Associates mobilized to the site to conduct drilling operations at 111 Steele Street in Algoma Wisconsin. OMNNI oversaw the installation of two permanent monitoring wells and one piezometer (MW5, MW6, and PZ1 respectively).

Soil Investigation:

At the request of the DNR, OMNNI obtained one soil sample for VOC's in each of the new monitoring wells/piezometer at the site (see Table 1). The samples were obtained from an unsaturated portion of

the soil which exhibited signs of contamination. The soil samples were sent to Synergy Environmental Lab, Inc. for analysis (See Laboratory Analytical). The soil cuttings were containerized in 55-gallon drums and held on site pending analysis. The drums of investigative waste were stored on-site on the west side of the building.

Groundwater Investigation:

The wells installed to the north and northeast of the site deviated slightly from the proposed locations due to underground and overhead utilities.

The installation of the wells occurred on October 31, 2018 (See Well Construction Reports). The wells were then developed on November 19, 2018 (See Well Development Record). All purged groundwater was containerized in 55-gallon drums pending disposal. The drums were stored on-site on the west side of the building.

After development of the wells and piezometer, OMNNI remobilized to the site on January 4, 2019 to conduct groundwater sampling of monitoring wells MW1 through MW6, and PZ1 (See Groundwater Sampling Sheet). The groundwater samples were sent to Synergy Environmental Lab, Inc for analysis (See Laboratory Analytical).

Vapor Investigation:

The vapor investigation portion of this phase of the investigation consisted of placing vapor pins in the adjacent buildings of the subject property.

OMNNI reached out to the Department of Health Services to request their assistance in securing access agreements for the adjacent buildings. As of November 30, 2018, both access agreements were in place and OMNNI was able to schedule the vapor sampling on January 4, 2019.

Vapor Pins VP101 and VP102 were placed in the basement of the building to the east of the subject property (See Site detail Map). Vapor Pin VP103 was placed in the basement of the building to the west of the subject property (See Site Detail Map). Both buildings were accessible on the date of sampling and neither building had a complete basement. The locations of the vapor pins were chosen in the field as there were limited spaces to sample in the basements of these two facilities. The room where VP103 was taken was small and there were no other access points. OMNNI believes the limited vapor points are still representative of the overall conditions.

Results & Discussion:

Soil:

Based on the soil data from the most recent round of sampling, the soil exhibits no signs of soil contamination outside of the soil-to-groundwater pathway exceedance in PZ1 which was most recently sampled (See Table 1). Based on these soil results, it appears the soil contamination above RCLs is limited to the subject property. However, the soil-to-groundwater pathway exceedance at PZ1 appears to be in the City of Algoma street right-of-way (ROW).

Groundwater:

Based on the results of the soil and groundwater sampling at the site, with one exception, all of the wells sampled exhibited enforcement standard exceedances for tetrachloroethene (PCE). The one exception was in MW6 which exhibited a preventive action level exceedance (See Figure 2 and Table 2). Piezometer PZ1, which was advanced into the bedrock, also shown an enforcement standard exceedance for PCE at a level of 10.7 ug/L (micrograms per liter).

To date, the extent of the contaminate plume has yet to be fully identified in the groundwater. However, an estimated extent of the contaminate plume is shown in Figure 3. with its associated flow direction in Figure 2. There are enforcement standard exceedances in all of the monitoring wells on site with the exception of MW6 (the easternmost well). Due to this, the site will need additional investigation.

Based on a review of the data from the site, it appears there is a northeasterly trajectory to the contaminant plume. Additionally, it appears there is a downward migration of the contaminant plume, which is to be expected based on the subsurface conditions. The contaminate plume extends beyond the property boundaries at the subject property above enforcement standard levels. The groundwater contamination extends into the City of Algoma's street right-of-way and is likely it extends to the properties adjacent to the northeast and east.

Vapor:

Although the vapor samples do illustrate detections of volatile organic compounds, they are all below the Wisconsin residential vapor risk screening levels in all locations (See Table 3). Based on the screening levels, there does not appear to be an off-site vapor concern at this time.

Conclusion & Recommendation:

The latest round of investigation and sampling provided OMNNI with pertinent data for the site. Based on the data at hand, there is a high likelihood the soil and vapor extents of contamination will be satisfied by the Department of Natural Resources. However, the groundwater contamination has not yet been fully delineated in either the horizontal or vertical directions. It is very likely another set of groundwater monitoring wells will need to be installed and sampled. Additionally, the data shows contamination in the City of Algoma right-of-way which is likely due to the release at the subject property. There is also a high probability the PCE contamination extends beyond the street right-of-way and into adjacent properties. At a minimum, OMNNI recommends quarterly groundwater sampling of the monitoring wells and piezometer to better determine the dispersion of the PCE contamination at the site. Furthermore, OMNNI recommends obtaining permission from adjacent property owners to install additional monitoring wells in an effort to define the extent of contamination.

Professional Certification:

"I, Christopher J. Rogers, 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."



Hydrogeologist / Project Manager

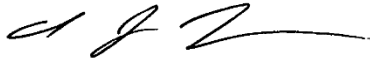
4/11/19

Signature and title



Date

Sincerely,
OMNNI Associates, Inc.

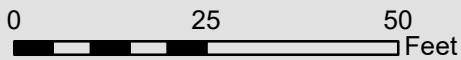
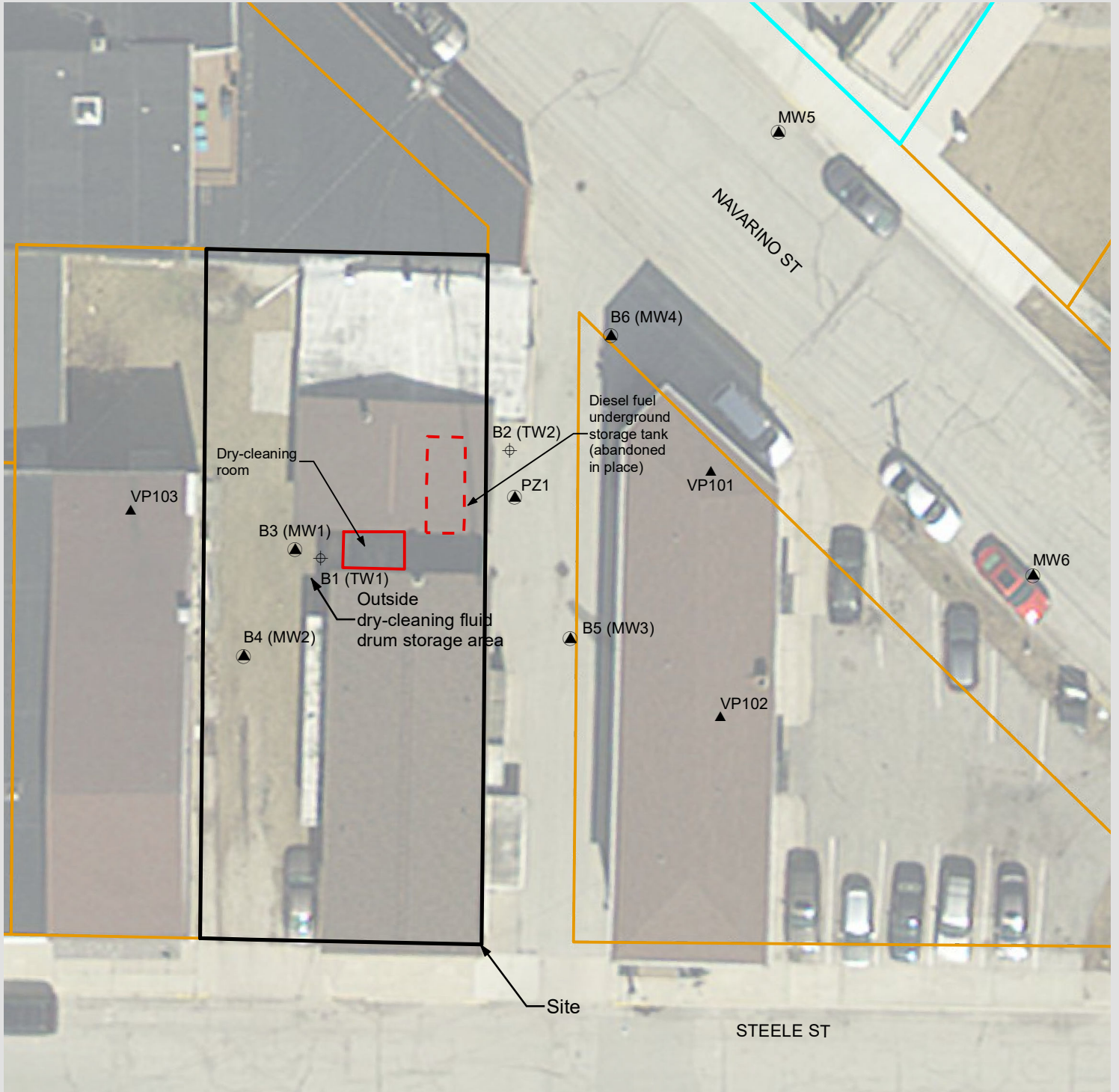


Christopher J. Rogers, P.G.
Hydrogeologist / Project Manager

Enclosure(s)

Figure 1. Site Detail Map
Figure 2. Groundwater Flow Direction Map
Figure 3. Isoconcentration Map
Table 1. Soil Data
Table 2. Groundwater Data
Table 3. Vapor Data
Table 4. Well Elevation Data
Soil Boring Logs
Well Construction Forms
Well Development Forms
Groundwater Sampling Record
Soil Analytical Data
Groundwater Analytical Data
Vapor Analytical Data

cc: John Emery (via email)



ONE SYSTEMS DRIVE PHONE (920) 735-6900
 APPLETON, WI 54914 FAX (920) 830-6100



**ALLYN PROPERTY INVESTIGATION
 SITE DETAIL MAP**

111 STEELE STREET
 CITY OF ALGOMA, KEWAUNEE COUNTY, WISCONSIN

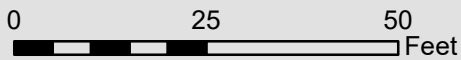
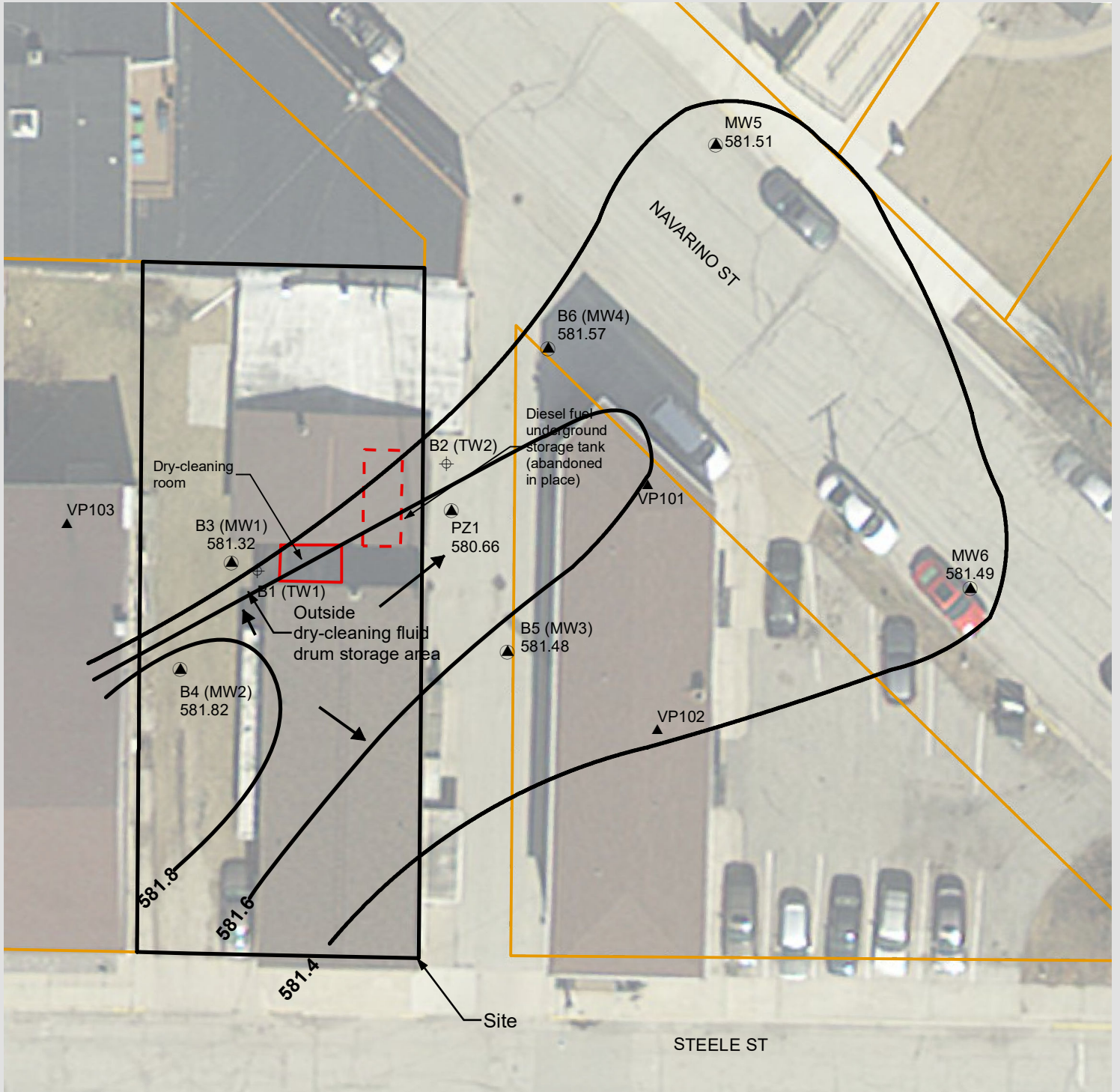
Project Manager: CJR
 Project Engineer: CJR
 Drawn By: JCW
 Checked By: CJR

Date: 1/18/2019

SCALE:
 1" = 25'

PROJECT NO.
N2162C15

FIGURE NO.
1



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ALLYN PROPERTY INVESTIGATION
GROUNDWATER FLOW
DIRECTION MAP (1/4/19)

111 STEELE STREET
 CITY OF ALGOMA, KEWAUNEE COUNTY, WISCONSIN

Project Manager: CJR
 Project Engineer: CJR
 Drawn By: JCW
 Checked By: CJR

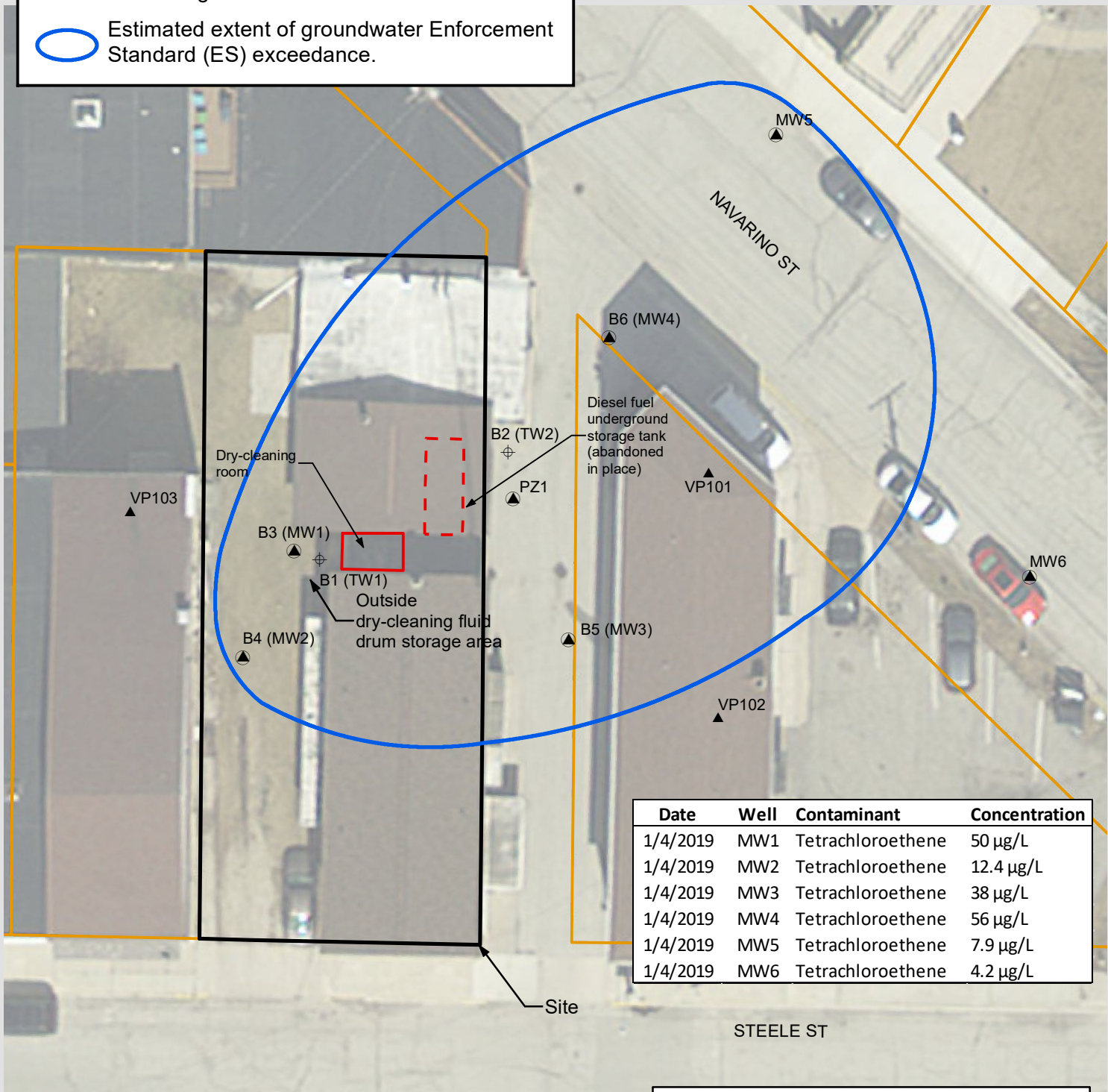
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SCALE:
 1" = 25'

PROJECT NO.
N2162C15

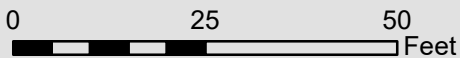
FIGURE NO.
2

Parcels
 Vapor Samples
 Monitoring Wells
 Estimated extent of groundwater Enforcement Standard (ES) exceedance.



Date	Well	Contaminant	Concentration
1/4/2019	MW1	Tetrachloroethene	50 µg/L
1/4/2019	MW2	Tetrachloroethene	12.4 µg/L
1/4/2019	MW3	Tetrachloroethene	38 µg/L
1/4/2019	MW4	Tetrachloroethene	56 µg/L
1/4/2019	MW5	Tetrachloroethene	7.9 µg/L
1/4/2019	MW6	Tetrachloroethene	4.2 µg/L

NOTE: MW4 also has ES exceedances for 1,2-DCE and Vinyl Chloride



Omni
 ASSOCIATES
 ONE SYSTEMS DRIVE PHONE (920) 735-6900
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ALLYN PROPERTY INVESTIGATION
GROUNDWATER
ISOCONCENTRATION MAP (PCE)
 111 STEELE STREET
 CITY OF ALGOMA, KEWAUNEE COUNTY, WISCONSIN

Project Manager: CJR
 Project Engineer: CJR
 Drawn By: JCW
 Checked By: CJR

Date: 3/12/2019

SCALE:
 1" = 25'
 PROJECT NO.
N2162C15
 FIGURE NO.
3

Table 1 - Summary of Laboratory Analysis - Soil Samples

Boring & Sample	Sample Date	Depth (feet)	Detected VOCs (mg/kg)									Lead (mg/kg)	DRO (mg/kg)	GRO (mg/kg)
			tert-Burylbenzene	sec-Butylbenzene	n-Butylbenzene	p-isopropyltoluene	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene			
Groundwater Pathway RCLs			-	-	-	-	0.0045	1.1072	0.0036	1.3787		27	-	-
Direct Contact Non-Industrial RCLs			183	145	108	162	33	818	1.3	219	182	400	-	-
Direct Contact Industrial RCLs			183	145	108	162	145	818	8.41	219	182	800	-	-
B1-10	02/12/15	22.5 - 25	0.36 "J"	1.72	8.0	7.0	106	0.33 "J"	0.46 "J"	6.0	4.5	5.92	5,040	2,980
B2-9	02/12/15	20 - 22.5	< 0.035	< 0.036	< 0.086	< 0.056	< 0.054	< 0.031	< 0.042	< 0.078	< 0.089	1.44	129	22.8
B3-1	11/23/15	1 - 3	< 0.035	< 0.036	< 0.086	< 0.056	0.087 "J"	< 0.031	< 0.042	< 0.078	< 0.089	6.13	NA	NA
B3-10	11/23/15	21 - 23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-9	11/23/15	20 - 22.5	< 0.035	< 0.036	< 0.086	< 0.056	0.108 "J"	< 0.031	< 0.042	< 0.078	< 0.089	2.46	NA	NA
B5-4	11/23/15	7.5 - 10	< 0.035	< 0.036	< 0.086	< 0.056	0.182	< 0.031	< 0.042	< 0.078	< 0.089	1.64 "J"	NA	NA
B6-9	11/23/15	20 - 22.5	< 0.035	< 0.036	< 0.086	< 0.056	< 0.054	< 0.031	< 0.042	< 0.078	< 0.089	2.16	NA	NA
MW5	10/31/18	14 - 15	< 0.026	< 0.033	< 0.04	< 0.034	< 0.032	< 0.032	< 0.041	< 0.025	< 0.032	NA	NA	NA
MW6	10/31/18	14 - 15	< 0.026	< 0.033	< 0.04	< 0.034	< 0.032	< 0.032	< 0.041	< 0.025	< 0.032	NA	NA	NA
PZ1	10/31/18	15 - 17.5	< 0.026	< 0.033	< 0.04	< 0.034	0.209	< 0.032	< 0.041	< 0.025	< 0.032	NA	NA	NA

RCL = residual contaminant level

"J" = Analyte detected between the limit of detection and the limit of quantification

6.0 = detected above the groundwater pathway RCL.

106 = detected above the direct contact non-industrial RCL.

RCLs are based on the DNR December 2018 Update

TABLE 2 SUMMARY OF LABORATORY ANALYSIS - GROUNDWATER SAMPLES

PARAMETER (µg/L)	ES	PAL	TW1	TW2	MW1	MW2	MW3	MW4	MW1	MW2	MW3	MW4	MW5	MW6	PZ-1
SAMPLE DATE			2/12/15		2/24/16				1/4/2019						
DETECTED VOCs (ug/l)															
CIS-1,2-DICHLOROETHENE	70	7	142	32	9.6 "J"	< 0.45	< 0.45	24.8	1.69	< 0.37	< 0.37	38	< 0.37	< 0.37	2.92
TRANS-1,2-DICHLOROETHENE	100	20	< 27	< 5.4	< 5.4	< 0.54	< 0.54	< 0.54	< 0.34	< 0.34	< 0.34	0.59 "J"	< 0.34	< 0.34	< 0.34
TETRACHLOROETHENE	5	0.5	1,280	35	310	39	54	44	50	12.4	38	56	7.9	4.2	10.7
TRICHLOROETHENE	5	0.5	41 "J"	6.4 "J"	< 4.7	< 0.47	1.55	6.5	0.51 "J"	< 0.3	< 0.3	3.05	0.56 "J"	< 0.3	< 0.3
1,2,4-TRIMETHYLBENZENE	480	96	< 80	24 "J"	< 16	< 1.6	< 1.6	< 1.6	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
1,3,5-TRIMETHYLBENZENE			< 75	< 15	< 15	< 1.5	< 1.5	< 1.5	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
VINYL CHLORIDE	0.2	0.02	< 8.5	30.5	< 1.7	< 0.17	< 0.17	23.2	< 0.2	< 0.2	< 0.2	7.5	< 0.2	< 0.2	0.71
P-ISOPROPYLTOLUNE	-	-	< 55	< 11	< 11	< 1.1	< 1.1	< 1.1	0.34 "J"	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
CHLOROETHANE	400	80	< 32.5	< 6.5	< 6.5	< 0.65	< 0.65	< 0.65	< 0.61	< 0.61	< 0.61	1.97	< 0.61	< 0.61	< 0.61
CHLOROFORM	6	0.6	< 21.5	< 4.3	< 4.3	< 0.43	< 0.43	< 0.43	< 0.26	< 0.26	< 0.26	0.53	1.93	< 0.26	< 0.26
1,1-DICHLOROETHENE	7	0.7	< 32.5	< 6.5	< 6.5	< 0.65	< 0.65	0.76 "J"	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
CHLOROMETHANE	30	3	< 95	< 19	< 19	< 1.9	< 1.9	< 1.9	8.1	15.6	7.2	3.5	4.0	5.4	3.8
DETECTED PAHs (ug/l)															
ACENAPHTHENE	-	-	< 0.2	0.059 "J"	0.037 "J"	< 0.016	< 0.016	< 0.016	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ACENAPHTHLYNE	-	-	< 0.21	0.08	< 0.019	< 0.019	< 0.019	< 0.019	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BENZO(A)ANTHRACENE	-	-	< 0.19	0.019 "J"	< 0.017	< 0.017	< 0.017	< 0.017	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FLUORENE	400	80	0.249 "J"	0.033 "J"	0.038 "J"	< 0.021	< 0.021	< 0.021	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-METHYLNAPHTHALENE	-	-	2.44	0.4	0.094	< 0.024	< 0.024	< 0.024	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-METHYLNAPHTHALENE	-	-	4.3	0.078	0.033 "J"	< 0.024	< 0.024	0.027 "J"	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAPHTHALENE	100	10	4.2	0.098	0.11	< 0.019	< 0.019	< 0.019	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PHENANTHRENE	-	-	0.43 "J"	< 0.017	0.073	< 0.017	< 0.017	< 0.017	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEAD (ug/l)	15	1.5	6.8	3.6	< 0.7*	< 0.7*	< 0.7*	< 0.7*	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Groundwater Quality Standards are from the February 2017 update.

142 = sample concentration detected above the enforcement standard

6.8 = sample concentration detected above the preventive action limit

Note: Trichloroethene concentrations in TW1 and TW2 and cis-1,2-dichloroethene concentration in MW1 are not exceedances due to NR 140.14(b).

ES = enforcement standard

PAL = preventive action limit

* filtered sample

"J" = Analyte detected between the limit of detection and the limit of quantification

Table 7. Sub-Slab Vapor Investigation Results Summary

Table 3 Sub-Slab Vapor Results

Parameter	CAS	U.S. EPA RSL Carcino-genic Basis	U.S. EPA Vapor Risk Screening Levels - Resident Air - TR=1E-06, THQ 0.1	U.S. EPA Vapor Risk Screening Levels - Composite Worker TR=1E-06, THQ 0.1	WI Residential	WI Small	WI Industrial	V2- Sub-Slab Sample 11/21/16 (ug/m3)*	V3 - Outdoor Sample 11/21/16 (ug/m3)*	VP101 Sub-Slab (ug/m3) (1/4/19)	VP102 Sub-Slab (ug/m3) (1/4/19)	VP103 Sub-Slab (ug/m3) (1/4/19)
					VRSL ¹ based on U.S.EPA RSL (ug/m3) AF=0.03	Commercial ² VRSL based on U.S.EPA RSL (ug/m3) AF=0.03	VRSL ³ based on U.S.EPA RSL (ug/m3) AF=0.01					
cis-1,2-Dichloroethene	156-59-2	--	--	--	--	--	--	62.6	<0.38	2.93	0.83	1.31
trans-1,2-Dichloroethene	156-60-5	--	--	--	--	--	--	1.8	<0.60	<0.231	<0.231	2.46
Tetrachloroethene (PCE)	127-18-4	N	4.2E+00	1.80E+01	1390	6000	18000	2850000	<0.60J	18.3	31.5	12.1
Trichloroethene (TCE)	79-01-6	N	2.1E-01	8.80E-01	70	293	880	260	<0.43	0.75 "J"	0.91	0.54 "J"
Vinyl chloride	75-01-4	C	1.7E-01	2.80E+00	56	933	2800	<0.28	<0.30	<0.148	<0.148	<0.148

Notes:

* Values from the initial sub-slab investigation at the subject property have been included for reference.

"J" = Analyte detected between the limit of detection and the limit of quantification.

-- = No EPA RSL/VAL or Wisconsin VRSL for indicated analyzed parameter.

U.S. EPA RSL=Regional Screening Level

Values Based on EPA RSL data generated on 1/18/19

AF=Attenuation Factor

VRSL=Vapor Risk Screening Level

CAS: Chemical Abstracts Service

n=carcinogenic

c=carcinogenic

Footnotes:

1. WI Residential VRSL Formula Used: [US EPA RSL (Resident Air) / Attenuation Factor (0.03)] * 10 (Wisconsin Conversion Factor) = WI residential VRSL

2. WI Small Commercial VRSL Formula Used: [US EPA RSL (Composite Worker) / Attenuation Factor (0.03)] * 10 (Wisconsin Conversion Factor) = WI Small Commercial VRSL

3. WI Large Commercial/Industrial VRSL Formula Used: [US EPA RSL (Composite Worker) / Attenuation Factor (0.01)] * 10 (Wisconsin Conversion Factor) = WI Small Commercial VRSL

Table 4 - Summary of Well Elevations

Facility Name: Allyn's LLC
 Date: January 4, 2019
 Weather Conditions: 40° F
 Person(s) Sampling: Chris Rogers/Quin Lenz

Well Name	MW1	MW2	MW3	MW4	MW5	MW6	PZ1
WI Unique Well No.	PM373	PM374	PM378	PM379	VS190	VS191	VS192
Top of PVC Casing Elevation (MSL)	602.05	602.08	599.07	599.18	598.32	598.77	599.34
Ground Surface Elevation (MSL)	600.34	600.28	599.76	599.55	598.6	599.29	599.76
Depth to Bottom of Well (ft)	25.00	25.00	25.00	25.00	23.00	25.00	35.00
Screen Top (MSL)	587.05	587.08	584.07	584.18	585.32	583.77	569.34
Screen Bottom (MSL)	577.05	577.08	574.07	574.18	575.32	573.77	564.34
Screen Length (ft)	10	10	10	10	10	10	5
Water Elevation (MSL)	581.32	581.82	581.48	581.57	581.51	581.49	580.66
Water Elevation (ft from ground surface)	19.02	18.45	18.27	17.98	17.09	17.80	19.10
Measured Depth to Water (ft)	20.73	20.26	17.59	17.61	16.81	17.28	18.68

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

Facility/Project Name Allyn's Property		License/Permit/Monitoring Number N/A		Boring Number MW5	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction & Exploration		Date Drilling Started 10/31/2018		Date Drilling Completed 10/31/2018	
WI Unique Well No. VS190		DNR Well ID No.		Common Well Name MW5	
Final Static Water Level 582.2 Feet MSL		Surface Elevation 598.6 Feet MSL		Borehole Diameter 8.3 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input checked="" type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 489,439 N, 291,791 E S/C/N		Lat 44° 36' 33.2"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 26, T 25 N, R 25 E		Long 87° 26' 8.2"		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID		County Kewaunee		County Code 31	
				Civil Town/City/ or Village Algoma	

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					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
MW5	60 30		0-2	ASPHALT				0.1							
			2-6	SILTY SAND, with gravel, trace silt, brown, no odor, moist, loose, FILL				0.6							
	60 48		6-10	SAND, trace gravel and silt, tan, no odor, moist, loose				0.2							
	60 48		10-14					0.1							
	60 48		14-16					0.1							
	60 48		16-20					0.1							
			20-22	Note: Hollow stem auger from 20-23'; refusal at 23'				0.0							
			22-23	End of Boring at 23 feet											

Sample collected from 14-15 feet at 9:30AM

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
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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 used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.


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

Facility/Project Name Allyn's Property		License/Permit/Monitoring Number N/A		Boring Number MW6	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction & Exploration		Date Drilling Started 10/31/2018		Date Drilling Completed 10/31/2018	
WI Unique Well No. VS191		DNR Well ID No.		Common Well Name MW6	
Final Static Water Level 582.4 Feet MSL		Surface Elevation 599.3 Feet MSL		Borehole Diameter 8.3 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input checked="" type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/> State Plane 489,362 N, 291,835 E S/C/N		Lat 44° 36' 32.4"		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section 26, T 25 N, R 25 E		Long 87° 26' 7.6"		Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Kewaunee		County Code 31	
				Civil Town/City/ or Village Algoma	

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					RQD/Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
	60 36		0	ASPHALT				0.2								
			2	SILTY SAND, with gravel, tan, no odor, moist, loose, basecourse, FILL				0.2								
			4	SILTY SAND, trace gravel, brown, no odor, moist, loose, black staining, FILL				0.3								
	60 30		6	SAND, trace gravel, trace silt, tan, no odor, moist, loose				0.2								
			8					0.1								
	60 48		10					0.2								
			12					0.0								
			14					0.0								
MW6	60 48		16					1.3								
			18					0.1								
			20	Note: Hollow stem auger from 20-25'												
			22													
			24													
				End of Boring at 25 feet												

Sample collected from 14-15 feet at 11:17AM

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

Facility/Project Name Allyn's Property		License/Permit/Monitoring Number N/A		Boring Number PZ1	
Boring Drilled By: Name of crew chief (first, last) and Firm Adam Sweet Horizon Construction & Exploration		Date Drilling Started 10/31/2018		Date Drilling Completed 10/31/2018	
Drilling Method rotary (air or mud)		WI Unique Well No. VS192		DNR Well ID No.	
Common Well Name PZ1		Final Static Water Level 583.8 Feet MSL		Surface Elevation 599.8 Feet MSL	
Borehole Diameter 10.3 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input checked="" type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane 489,375 N, 291,745 E S/C/N		Lat 44° 36' 32.5"		<input type="checkbox"/> N <input type="checkbox"/> E	
NW 1/4 of SW 1/4 of Section 26, T 25 N, R 25 E		Long 87° 26' 8.8"		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Kewaunee		County Code 31	
				Civil Town/City/ or Village Algoma	

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					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
			3	ASPHALT												
			6	BLIND DRILL, soil cuttings appear to consist of brown silty sand with trace gravel to tan sand with trace gravel and silt												
			9													
	30		12	SAND, with gravel, trace silt, tan, no odor, moist, loose				1.0								
	15		15					0.7								
PZ1	30		18					1.2								
	30		21	Note: Hollow steam auger from 20-35'				2.1								
	18		24													
			27	Weathered limestone bedrock												
			30	Competent limestone bedrock												
			33													
				End of Boring at 35 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
--	--	--

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

Facility/Project Name <u>Allyn's Property</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name MW5
Facility License, Permit or Monitoring No. <u>N/A</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input checked="" type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>44° 36' 33.2"</u> Long. <u>87° 26' 8.2"</u> or	Wis. Unique Well No. <u>VS190</u> DNR Well Number _____
Facility ID	St. Plane <u>489,439</u> ft. N, <u>291,791</u> ft. E. S/C/N <input checked="" type="checkbox"/>	Date Well Installed <u>10/31/2018</u>
Type of Well <u>Well Code 11/mw</u>	Section Location of Waste/Source <u>NW 1/4 of SW 1/4 of Sec. 26, T. 25 N, R. 25</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Adam Sweet</u>
Distance from Waste/Source ft. <u>_____</u>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____
Enf. Stds. Apply <input checked="" type="checkbox"/>		Horizon Construction & Exploration

A. Protective pipe, top elevation <u>598.60</u> ft. MSL		1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>598.32</u> ft. MSL		2. Protective cover pipe: a. Inside diameter: <u>8.6</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> _____ d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
C. Land surface elevation <u>598.6</u> ft. MSL		3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/> _____
D. Surface seal, bottom <u>597.6</u> ft. MSL or <u>1.0</u> ft.		4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/> _____
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/> _____		
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Describe _____		
17. Source of water (attach analysis, if required): _____		
E. Bentonite seal, top <u>597.6</u> ft. MSL or <u>1.0</u> ft.		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>1.91</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
F. Fine sand, top <u>588.6</u> ft. MSL or <u>10.0</u> ft.		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Black Hills Bentonite Other <input type="checkbox"/> _____
G. Filter pack, top <u>587.6</u> ft. MSL or <u>11.0</u> ft.		7. Fine sand material: Manufacturer, product name & mesh size a. _____ Onsite Sand _____ b. Volume added <u>0.21</u> ft ³
H. Screen joint, top <u>585.6</u> ft. MSL or <u>13.0</u> ft.		8. Filter pack material: Manufacturer, product name & mesh size a. _____ RW Sidley #5 _____ b. Volume added <u>2.55</u> ft ³
I. Well bottom <u>575.6</u> ft. MSL or <u>23.0</u> ft.		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/> _____
J. Filter pack, bottom <u>575.6</u> ft. MSL or <u>23.0</u> ft.		10. Screen material: a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> _____ b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.
K. Borehole, bottom <u>575.6</u> ft. MSL or <u>23.0</u> ft.		11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/> _____
L. Borehole, diameter <u>8.3</u> in.		
M. O.D. well casing <u>2.00</u> in.		
N. I.D. well casing <u>2.00</u> in.		

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

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

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

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

Facility/Project Name <u>Allyn's Property</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name MW6
Facility License, Permit or Monitoring No. <u>N/A</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input checked="" type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>44° 36' 32.4"</u> Long. <u>87° 26' 7.6"</u> or	Wis. Unique Well No. <u>VS191</u> DNR Well Number _____
Facility ID	St. Plane <u>489,362</u> ft. N, <u>291,835</u> ft. E. S/C/N	Date Well Installed <u>10/31/2018</u>
Type of Well <u>Well Code 11/mw</u>	Section Location of Waste/Source <u>NW 1/4 of SW 1/4 of Sec. 26, T. 25 N, R. 25</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Adam Sweet</u>
Distance from Waste/Source ft. <u>_____</u>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____
Enf. Stds. Apply <input checked="" type="checkbox"/>		<u>Horizon Construction & Exploration</u>

A. Protective pipe, top elevation <u>599.29</u> ft. MSL		1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>598.77</u> ft. MSL		2. Protective cover pipe: a. Inside diameter: <u>8.6</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
C. Land surface elevation <u>599.3</u> ft. MSL		3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
D. Surface seal, bottom <u>598.3</u> ft. MSL or <u>1.0</u> ft.		4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>2.34</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. <u>Black Hills Bentonite</u> Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>		7. Fine sand material: Manufacturer, product name & mesh size a. <u>Onsite Sand</u> b. Volume added <u>0.21</u> ft ³
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99		8. Filter pack material: Manufacturer, product name & mesh size a. <u>RW Sidley #5</u> b. Volume added <u>2.55</u> ft ³
16. Drilling additives used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
Describe <u>Fredonia Water Department</u>		10. Screen material: a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft.
E. Bentonite seal, top <u>598.3</u> ft. MSL or <u>1.0</u> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>	
F. Fine sand, top <u>587.3</u> ft. MSL or <u>12.0</u> ft.		
G. Filter pack, top <u>586.3</u> ft. MSL or <u>13.0</u> ft.		
H. Screen joint, top <u>584.3</u> ft. MSL or <u>15.0</u> ft.		
I. Well bottom <u>574.3</u> ft. MSL or <u>25.0</u> ft.		
J. Filter pack, bottom <u>574.3</u> ft. MSL or <u>25.0</u> ft.		
K. Borehole, bottom <u>574.3</u> ft. MSL or <u>25.0</u> ft.		
L. Borehole, diameter <u>8.3</u> in.		
M. O.D. well casing <u>2.00</u> in.		
N. I.D. well casing <u>2.00</u> in.		

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

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

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

Facility/Project Name <u>Allyn's Property</u>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name PZ1
Facility License, Permit or Monitoring No. <u>N/A</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input checked="" type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. <u>44° 36' 32.5"</u> Long. <u>87° 26' 8.8"</u> or	Wis. Unique Well No. <u>VS192</u> DNR Well Number _____
Facility ID	St. Plane <u>489,375</u> ft. N, <u>291,745</u> ft. E. S/C/N	Date Well Installed <u>10/31/2018</u>
Type of Well <u>Well Code 12/pz</u>	Section Location of Waste/Source <u>NW 1/4 of SW 1/4 of Sec. 26, T. 25 N, R. 25</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Adam Sweet</u>
Distance from Waste/Source ft. <u>_____</u>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input checked="" type="checkbox"/> Not Known	Gov. Lot Number _____
Enf. Stds. Apply <input checked="" type="checkbox"/>		<u>Horizon Construction & Exploration</u>

A. Protective pipe, top elevation <u>599.76</u> ft. MSL		1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>599.34</u> ft. MSL		2. Protective cover pipe: a. Inside diameter: <u>8.6</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
C. Land surface elevation <u>599.8</u> ft. MSL		3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
D. Surface seal, bottom <u>598.8</u> ft. MSL or <u>1.0</u> ft.		4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/>		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. <u>5.73</u> Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. <u>Black Hills Bentonite</u> Other <input type="checkbox"/>
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input type="checkbox"/>		7. Fine sand material: Manufacturer, product name & mesh size a. <u>None</u> b. Volume added _____ ft ³
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99		8. Filter pack material: Manufacturer, product name & mesh size a. <u>RW Sidley #5</u> b. Volume added <u>1.49</u> ft ³
16. Drilling additives used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
Describe <u>Fredonia Water Department</u>		10. Screen material: a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>5.0</u> ft.
17. Source of water (attach analysis, if required): <u>Fredonia Water Department</u>	11. Backfill material (below filter pack): None <input type="checkbox"/> 14 Other <input checked="" type="checkbox"/>	
E. Bentonite seal, top <u>598.8</u> ft. MSL or <u>1.0</u> ft.		
F. Fine sand, top _____ ft. MSL or _____ ft.		
G. Filter pack, top <u>571.8</u> ft. MSL or <u>28.0</u> ft.		
H. Screen joint, top <u>569.8</u> ft. MSL or <u>30.0</u> ft.		
I. Well bottom <u>564.8</u> ft. MSL or <u>35.0</u> ft.		
J. Filter pack, bottom <u>564.8</u> ft. MSL or <u>35.0</u> ft.		
K. Borehole, bottom <u>564.8</u> ft. MSL or <u>35.0</u> ft.		
L. Borehole, diameter <u>10.3</u> in.		
M. O.D. well casing <u>2.00</u> in.		
N. I.D. well casing <u>2.00</u> in.		

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

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

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

Facility/Project Name <u>Allyn's Property</u>	County <u>Kewaunee</u>	Well Name <u>MW5</u>	
Facility License, Permit or Monitoring Number <u>N/A</u>	County Code <u>31</u>	Wis. Unique Well Number <u>VS190</u>	DNR Well Number

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other
3. Time spent developing well 126 min.
4. Depth of well (from top of well casing) 23.0 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 64.1 gal.
7. Volume of water removed from well 80.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added None
10. Analysis performed on water added? Yes No
(If yes, attach results)

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	16.57 ft.	16.59 ft.
Date	b.	11/19/2018	11/19/2018
Time	c.	09:26 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	11:20 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom		0.7 inches	0.8 inches
13. Water clarity (Describe)	Clear	<input type="checkbox"/> 1 0	Clear <input type="checkbox"/> 2 0
	Turbid	<input checked="" type="checkbox"/> 1 5	Turbid <input checked="" type="checkbox"/> 2 5
		<u>Tan with fine sand</u>	<u>Less turbid than initial start</u>
Fill in if drilling fluids were used and well is at solid waste facility:			
14. Total suspended solids		mg/l	mg/l
15. COD		mg/l	mg/l
16. Well developed by: Person's Name and Firm			
		<u>Quin Lenz</u>	
		<u>OMNNI Associates</u>	

17. Additional comments on development:
 Depth to bottom of well before development 22.25 feet.
 Depth to bottom of well after development 22.21 feet.
 Well was surged and purge with the pump during development around every 5 to 10 gallons of water purged.

Facility Address or Owner/Responsible Party Address	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Harmon Allyn</u>	
Firm: <u>Owner</u>	
Street: <u>2448 Robin Lane</u>	
City/State/Zip: <u>Green Bay, WI 54303</u>	
	Signature:
	Print Name: <u>Quin Lenz</u>
	Firm: <u>OMNNI Associates, Inc.</u>

NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name <u>Allyn's Property</u>	County <u>Kewaunee</u>	Well Name <u>MW6</u>	
Facility License, Permit or Monitoring Number <u>N/A</u>	County Code <u>31</u>	Wis. Unique Well Number <u>VS191</u>	DNR Well Number

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other
3. Time spent developing well 126 min.
4. Depth of well (from top of well casing) 25.0 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 79.2 gal.
7. Volume of water removed from well 84.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added None
10. Analysis performed on water added? Yes No
(If yes, attach results)

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	17.05 ft.	17.10 ft.
Date	b.	11/19/2018	11/19/2018
Time	c.	11:52 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	01:58 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom		1.4 inches	1.1 inches
13. Water clarity (Describe)	Clear	<input type="checkbox"/> 1 0	Clear <input type="checkbox"/> 2 0
	Turbid	<input checked="" type="checkbox"/> 1 5	Turbid <input checked="" type="checkbox"/> 2 5
		<u>Tan with fine sand</u>	<u>Less turbid than initial start</u>
Fill in if drilling fluids were used and well is at solid waste facility:			
14. Total suspended solids		mg/l	mg/l
15. COD		mg/l	mg/l
16. Well developed by: Person's Name and Firm			
		<u>Quin Lenz</u>	
		<u>OMNNI Associates</u>	

17. Additional comments on development:
 Depth to bottom of well before development 23.54 feet.
 Depth to bottom of well after development 23.88 feet.
 Surged and purged with the pump every 5 to 10 gallons.

Facility Address or Owner/Responsible Party Address Name: <u>Harmon Allyn</u> Firm: <u>Owner</u> Street: <u>2448 Robin Lane</u> City/State/Zip: <u>Green Bay, WI 54303</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: Print Name: <u>Quin Lenz</u> Firm: <u>OMNNI Associates, Inc.</u>
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NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility/Project Name Allyn's Property	County Kewaunee	Well Name PZ1	
Facility License, Permit or Monitoring Number N/A	County Code 31	Wis. Unique Well Number VS192	DNR Well Number

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other
3. Time spent developing well **99 min.**
4. Depth of well (from top of well casing) **35.0 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **49.8 gal.**
7. Volume of water removed from well **58.0 gal.**
8. Volume of water added (if any) **0.0 gal.**
9. Source of water added **None**
10. Analysis performed on water added? Yes No
(If yes, attach results)

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	18.00 ft.	18.35 ft.
Date	b.	11/19/2018	11/19/2018
Time	c.	02:40 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	04:19 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom		1.2 inches	1.7 inches
13. Water clarity (Describe)	Clear	<input type="checkbox"/> 1 0	Clear <input checked="" type="checkbox"/> 2 0
	Turbid	<input checked="" type="checkbox"/> 1 5	Turbid <input type="checkbox"/> 2 5
		<u>Tan with fine sand</u>	
Fill in if drilling fluids were used and well is at solid waste facility:			
14. Total suspended solids		mg/l	mg/l
15. COD		mg/l	mg/l
16. Well developed by: Person's Name and Firm			
		Quin Lenz	
		OMNNI Associates	

17. Additional comments on development:
 Depth to bottom of well before development 33.73 feet.
 Depth to bottom of well after development 33.27 feet.
 Surged and purged with pump every 5 to 10 gallons.
 Well filter pack volume was calculated using only the 5 foot screened interval.

Facility Address or Owner/Responsible Party Address	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Harmon Allyn</u>	Signature:
Firm: <u>Owner</u>	Print Name: <u>Quin Lenz</u>
Street: <u>2448 Robin Lane</u>	Firm: <u>OMNNI Associates, Inc.</u>
City/State/Zip: <u>Green Bay, WI 54303</u>	

NOTE: See instructions for more information including a list of county codes and well type codes.

Groundwater Sampling Log

Project information:

Project Name: Allyns - Algoma

Well ID: MW1

Date: 1/4/2019

OMNNI Project Number: N2162C15

Project Address: 111 Steele Street, Algoma WI

OMNNI Representative: Quin Lenz/Chris Rogers

Water Quality Meter (Make, Model, S/N): Horiba U-52, HGS NO. YYK5E939

Water Level Information:

Total Well Length: 25.0

Length of Water Column: 4.27

Depth of Water (ft. bgs): 20.73

Well Volume (c*0.165[for 2" dia. Pipe]): 0.70

Well Purging Data:

Purge Method:

Minimum required purge volume (4 well volumes):

2.8

Water Quality Parameters:

Time	Gallons	Temp (°C)	pH	ORP (mV)	DO (ppm)	COND (uS/cm)	TDS (ppm)	TURB (NTU)	Notes
3:55	initial								slight turbidity
4:15	1.0	10.72	7.60	146	5.54	1370	0.310	3.5	clear
4:26	2.0	11.08	7.37	16	11.72	481	0.313	3.4	clear
4:32	3.0	11.20	7.39	7	6.66	492	0.320	5.3	clear
4:39	3.5	11.20	7.34	-10	5.23	504	0.323	4.2	

Temp = Degrees Celsius

COND = Electrical conductivity

ORP = Oxidation Reduction Potential

TDS = Total Dissolved Solids [expressed as electrical conductivity]

DO = Dissolved Oxygen

TURB = Turbidity [LED transmission/front 30° scattering method]

Method of sampling: low flow

Sample ID: MW1

Analysis: VOL

Sample Time: 4:39

Have groundwater parameters been met?

Yes

No

Explanation:

Additional Comments:

OMNNI Representative Signature

Date



Groundwater Sampling Log

Project information:

Project Name: Allyns - Algoma Well ID: MW2 Date: 1/4/2019

OMNNI Project Number: N2162C15

Project Address: 111 Steele Street, Algoma WI

OMNNI Representative: Quin Lenz/Chris Rogers

Water Quality Meter (Make, Model, S/N): Horiba U-52, HGS NO. YYK5E939

Water Level Information:

Total Well Length: 25.0 Length of Water Column: 4.74

Depth of Water (ft. bgs): 20.26 Well Volume (c*0.165[for 2" dia. Pipe]): 0.78

Well Purging Data:

Purge Method:

Minimum required purge volume (4 well volumes): 3.12

Water Quality Parameters:

Time	Gallons	Temp (°C)	pH	ORP (mV)	DO (ppm)	COND (uS/cm)	TDS (ppm)	TURB (NTU)	Notes
3:10	initial								clear
3:22	1.0	11.03	7.55	142	7.91	1160	0.744	7.0	clear
3:35	2.0	11.15	7.62	158	8.67	1170	0.749	3.6	clear
3:57	4.0	11.19	7.59	184	8.97	1170	0.746	3.5	

Temp = Degrees Celsius COND = Electrical conductivity
 ORP = Oxidation Reduction Potential TDS = Total Dissolved Solids [expressed as electrical conductivity]
 DO = Dissolved Oxygen TURB = Turbidity [LED transmission/front 30° scattering method]

Method of sampling: low flow

Sample ID: MW2

Analysis: VOL

Sample Time: 3:57

Have groundwater parameters been met?

Yes No

Explanation:

Additional Comments:

OMNNI Representative Signature Date

Groundwater Sampling Log

Project information:

Project Name: Allyns - Algoma

Well ID: MW3

Date: 1/4/2019

OMNNI Project Number: N2162C15

Project Address: 111 Steele Street, Algoma WI

OMNNI Representative: Quin Lenz/Chris Rogers

Water Quality Meter (Make, Model, S/N): Horiba U-52, HGS NO. YYK5E939

Water Level Information:

Total Well Length: 25.0

Length of Water Column: 7.41

Depth of Water (ft. bgs): 17.59

Well Volume (c*0.165[for 2" dia. Pipe]): 1.22

Well Purging Data:

Purge Method:

Minimum required purge volume (4 well volumes): 4.88

Water Quality Parameters:

Time	Gallons	Temp (°C)	pH	ORP (mV)	DO (ppm)	COND (uS/cm)	TDS (ppm)	TURB (NTU)	Notes
303	2	11.38	7.5	121	8.02	1700	1.09	0.6	Clear
317	3	11.26	7.57	145	8.01	1690	1.09	0.7	Clear
326	4	11.27	7.60	153	7.96	1670	1.07	1.1	- Dry

Temp = Degrees Celsius

COND = Electrical conductivity

ORP = Oxidation Reduction Potential

TDS = Total Dissolved Solids [expressed as electrical conductivity]

DO = Dissolved Oxygen

TURB = Turbidity [LED transmission/front 30° scattering method]

Method of sampling: low flow

Have groundwater parameters been met?

Sample ID: MW3

 Yes No

Analysis: 1/06

Explanation:

Sample Time: 3:40

Additional Comments: next dry let recharge 10 minutes purged ~ 1 cap + sampled initially turbid after recharge

OMNNI Representative Signature

Date



Groundwater Sampling Log

Project information:

Project Name: Allys - Algoma

Well ID: MW4

Date: 1/4/2019

OMNNI Project Number: N2162C15

Project Address: 111 Steele Street, Algoma WI

OMNNI Representative: Quin Lenz/Chris Rogers

Water Quality Meter (Make, Model, S/N): Horiba U-52, HGS NO. YYK5E939

Water Level Information:

Total Well Length: 25.0

Length of Water Column: 9.39

Depth of Water (ft. bgs): 17.61

Well Volume (c*0.165[for 2" dia. Pipe]): 1.22

Well Purging Data:

Purge Method:

Minimum required purge volume (4 well volumes): 4.88

Water Quality Parameters:

Time	Gallons	Temp (°C)	pH	ORP (mV)	DO (ppm)	COND (uS/cm)	TDS (ppm)	TURB (NTU)	Notes
125	-								
146	1.25	10.47	7.11	-31	4.68	1640	1.05	7.3	
203	2.5	10.42	7.24	-48	4.15	1660	1.06	2.4	
234	3.75	10.50	7.19	-35	4.22	1650	1.06	1.3	

Temp = Degrees Celsius

COND = Electrical conductivity

ORP = Oxidation Reduction Potential

TDS = Total Dissolved Solids [expressed as electrical conductivity]

DO = Dissolved Oxygen

TURB = Turbidity [LED transmission/front 30° scattering method]

Method of sampling: low flow

Sample ID: MW4

Analysis: VOC

Sample Time: 2:37

Have groundwater parameters been met?

Yes No

Explanation:

Additional Comments:

OMNNI Representative Signature

Date



Groundwater Sampling Log

Project information:

Project Name: Allyns - Algoma

Well ID: MW5

Date: 1/4/2019

OMNNI Project Number: N2162C15

Project Address: 111 Steele Street, Algoma WI

OMNNI Representative: Quin Lenz/Chris Rogers

Water Quality Meter (Make, Model, S/N): Horiba U-52, HGS NO. YYK5E939

Water Level Information:

Total Well Length: 23.0

Length of Water Column: 6.19

Depth of Water (ft. bgs): 16.81

Well Volume (c*0.165[for 2" dia. Pipe]): 1.02

Well Purging Data:

Purge Method:

Minimum required purge volume (4 well volumes): 4.08

Water Quality Parameters:

Time	Gallons	Temp (°C)	pH	ORP (mV)	DO (ppm)	COND (uS/cm)	TDS (ppm)	TURB (NTU)	Notes
1231	1.0	9.93	6.81	200	6.35	5450	3.43	28.2	Ch
1242	2.0	10.07	7.06	173	6.20	4730	3.03	18.7	
1255	3.0	10.36	7.17	168	6.19	3400	2.18	11	
1312	4.0	10.28	7.19	152	6.17	2990	1.86	9.2	

Temp = Degrees Celsius

COND = Electrical conductivity

ORP = Oxidation Reduction Potential

TDS = Total Dissolved Solids [expressed as electrical conductivity]

DO = Dissolved Oxygen

TURB = Turbidity [LED transmission/front 30° scattering method]

Method of sampling: low flow

Sample ID: MW5

Analysis: VDL

Sample Time: 1:12

Have groundwater parameters been met?

Yes

No

Explanation:

Additional Comments: Build-up of water around flush mount - Removed to below well prior to purging

OMNNI Representative Signature

Date



Groundwater Sampling Log

Project information:

Project Name: Allyns - Algoma Well ID: MW6 Date: 1/4/2019

OMNNI Project Number: N2162C15

Project Address: 111 Steele Street, Algoma WI

OMNNI Representative: Quin Lenz/Chris Rogers

Water Quality Meter (Make, Model, S/N): Horiba U-52, HGS NO. YYK5E939

Water Level Information:

Total Well Length: 25.0 Length of Water Column: 7.72

Depth of Water (ft. bgs): 17.28 Well Volume (c*0.165[for 2" dia. Pipe]): 1.27

Well Purging Data:

Purge Method:

Minimum required purge volume (4 well volumes): 5.08

Water Quality Parameters:

Time	Gallons	Temp (°C)	pH	ORP (mV)	DO (ppm)	COND (uS/cm)	TDS (ppm)	TURB (NTU)	Notes
12:06	initial								clear
12:27	1.5	10.46	6.05	248	8.74	1240	0.795	5.0	clear
12:46	2.5	10.93	7.09	167	8.44	1350	0.865	3.0	clear
1:02	3.5	10.81	7.20	159	8.81	1260	0.808	5.4	clear - dry
1:06	3.75	10.83	7.23	160	8.83	1350	0.862	12.3	clear
1:21	4.5	9.86	7.34	147	8.85	1470	0.944	5.7	clear

Temp = Degrees Celsius COND = Electrical conductivity
 ORP = Oxidation Reduction Potential TDS = Total Dissolved Solids [expressed as electrical conductivity]
 DO = Dissolved Oxygen TURB = Turbidity [LED transmission/front 30° scattering method]

Method of sampling: low flow

Sample ID: MW6

Analysis: VOL

Sample Time: 1:26 pm

Have groundwater parameters been met?

Yes No

Explanation: _____

Additional Comments: _____

OMNNI Representative Signature _____ Date _____



Groundwater Sampling Log

Project information:

Project Name: Allyns - Algoma

Well ID: PZ1

Date: 1/4/2019

OMNNI Project Number: N2162C15

Project Address: 111 Steele Street, Algoma WI

OMNNI Representative: Quin Lenz/Chris Rogers

Water Quality Meter (Make, Model, S/N): Horiba U-52, HGS NO. YYK5E939

Water Level Information:

Total Well Length: 35.0

Length of Water Column: 16.32

Depth of Water (ft. bgs): 18.64

Well Volume (c*0.165[for 2" dia. Pipe]): 2.69

Well Purging Data:

Purge Method:

Minimum required purge volume (4 well volumes): 10.76

Water Quality Parameters:

Time	Gallons	Temp (°C)	pH	ORP (mV)	DO (ppm)	COND (uS/cm)	TDS (ppm)	TURB (NTU)	Notes
1:38	initial								clear
1:49	1.0	11.18	7.33	3	4.39	1770	1.14	9.5	clear
1:56	2.0	11.21	7.37	79	4.63	1890	1.21	7.5	clear
2:09	3.0	11.12	7.29	2	4.06	1670	1.07	1.8	clear
2:17	4.0	11.08	7.36	82	4.70	1620	1.04	0.5	clear
2:43	6.0	11.22	7.30	3	4.36	1573	1.01	1.3	clear
2:53	7.0	11-18	7.29	101	4.64	1570	1.0	2.0	

Temp = Degrees Celsius

COND = Electrical conductivity

ORP = Oxidation Reduction Potential

TDS = Total Dissolved Solids [expressed as electrical conductivity]

DO = Dissolved Oxygen

TURB = Turbidity [LED transmission/front 30° scattering method]

Method of sampling: low flow

Sample ID: PZ1

Analysis: VOL

Sample Time: 2:53

Have groundwater parameters been met?

Yes No

Explanation: _____

Additional Comments: _____

OMNNI Representative Signature

Date

Synergy Environmental Lab, INC

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

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

Report Date 27-Nov-18

Project Name ALLYNS-ALGOMA
Project # N2162C15

Invoice # E35441

Lab Code 5035441A
Sample ID MW5
Sample Matrix Soil
Sample Date 10/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/19/2018	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		11/19/2018	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		11/19/2018	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		11/19/2018	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		11/19/2018	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/19/2018	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		11/19/2018	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		11/19/2018	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		11/19/2018	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		11/19/2018	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		11/19/2018	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		11/19/2018	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		11/19/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/19/2018	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/19/2018	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/19/2018	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/19/2018	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/19/2018	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		11/19/2018	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		11/19/2018	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		11/19/2018	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		11/19/2018	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/19/2018	CJR	1

Project Name ALLYNS-ALGOMA
Project # N2162C15

Invoice # E35441

Lab Code 5035441A
Sample ID MW5
Sample Matrix Soil
Sample Date 10/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/19/2018	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/19/2018	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/19/2018	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/19/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/19/2018	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/19/2018	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/19/2018	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/19/2018	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/19/2018	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/19/2018	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/19/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/19/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/19/2018	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/19/2018	CJR	1
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/19/2018	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/19/2018	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/19/2018	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/19/2018	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		11/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/19/2018	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		11/19/2018	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		11/19/2018	CJR	1
SUR - Toluene-d8	97	Rec %			1	8260B		11/19/2018	CJR	1
SUR - Dibromofluoromethane	108	Rec %			1	8260B		11/19/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	120	Rec %			1	8260B		11/19/2018	CJR	1
SUR - 4-Bromofluorobenzene	101	Rec %			1	8260B		11/19/2018	CJR	1

Project Name ALLYNS-ALGOMA
 Project # N2162C15

Invoice # E35441

Lab Code 5035441B
 Sample ID MW6
 Sample Matrix Soil
 Sample Date 10/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/19/2018	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		11/19/2018	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		11/19/2018	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		11/19/2018	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		11/19/2018	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/19/2018	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		11/19/2018	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		11/19/2018	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		11/19/2018	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		11/19/2018	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		11/19/2018	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		11/19/2018	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		11/19/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/19/2018	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/19/2018	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/19/2018	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/19/2018	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/19/2018	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		11/19/2018	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		11/19/2018	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		11/19/2018	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		11/19/2018	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/19/2018	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/19/2018	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/19/2018	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/19/2018	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/19/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/19/2018	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/19/2018	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/19/2018	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/19/2018	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/19/2018	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/19/2018	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/19/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/19/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/19/2018	CJR	1
Tetrachloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/19/2018	CJR	1

Project Name ALLYNS-ALGOMA
Project # N2162C15

Invoice # E35441

Lab Code 5035441B
Sample ID MW6
Sample Matrix Soil
Sample Date 10/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/19/2018	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/19/2018	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/19/2018	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/19/2018	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		11/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/19/2018	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		11/19/2018	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		11/19/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	108	Rec %			1	8260B		11/19/2018	CJR	1
SUR - 4-Bromofluorobenzene	102	Rec %			1	8260B		11/19/2018	CJR	1
SUR - Dibromofluoromethane	99	Rec %			1	8260B		11/19/2018	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		11/19/2018	CJR	1

Project Name ALLYNS-ALGOMA
 Project # N2162C15

Invoice # E35441

Lab Code 5035441C
 Sample ID PZ1
 Sample Matrix Soil
 Sample Date 10/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.03	mg/kg	0.03	0.096	1	8260B		11/19/2018	CJR	1
Bromobenzene	< 0.025	mg/kg	0.025	0.081	1	8260B		11/19/2018	CJR	1
Bromodichloromethane	< 0.074	mg/kg	0.074	0.24	1	8260B		11/19/2018	CJR	1
Bromoform	< 0.029	mg/kg	0.029	0.092	1	8260B		11/19/2018	CJR	1
tert-Butylbenzene	< 0.026	mg/kg	0.026	0.084	1	8260B		11/19/2018	CJR	1
sec-Butylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/19/2018	CJR	1
n-Butylbenzene	< 0.04	mg/kg	0.04	0.13	1	8260B		11/19/2018	CJR	1
Carbon Tetrachloride	< 0.016	mg/kg	0.016	0.053	1	8260B		11/19/2018	CJR	1
Chlorobenzene	< 0.013	mg/kg	0.013	0.04	1	8260B		11/19/2018	CJR	1
Chloroethane	< 0.091	mg/kg	0.091	0.29	1	8260B		11/19/2018	CJR	1
Chloroform	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
Chloromethane	< 0.076	mg/kg	0.076	0.24	1	8260B		11/19/2018	CJR	1
2-Chlorotoluene	< 0.015	mg/kg	0.015	0.047	1	8260B		11/19/2018	CJR	1
4-Chlorotoluene	< 0.018	mg/kg	0.018	0.057	1	8260B		11/19/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 0.058	mg/kg	0.058	0.18	1	8260B		11/19/2018	CJR	1
Dibromochloromethane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/19/2018	CJR	1
1,4-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/19/2018	CJR	1
1,3-Dichlorobenzene	< 0.037	mg/kg	0.037	0.12	1	8260B		11/19/2018	CJR	1
1,2-Dichlorobenzene	< 0.028	mg/kg	0.028	0.088	1	8260B		11/19/2018	CJR	1
Dichlorodifluoromethane	< 0.048	mg/kg	0.048	0.15	1	8260B		11/19/2018	CJR	1
1,2-Dichloroethane	< 0.038	mg/kg	0.038	0.12	1	8260B		11/19/2018	CJR	1
1,1-Dichloroethane	< 0.034	mg/kg	0.034	0.11	1	8260B		11/19/2018	CJR	1
1,1-Dichloroethene	< 0.022	mg/kg	0.022	0.069	1	8260B		11/19/2018	CJR	1
cis-1,2-Dichloroethene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
trans-1,2-Dichloroethene	< 0.028	mg/kg	0.028	0.09	1	8260B		11/19/2018	CJR	1
1,2-Dichloropropane	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
1,3-Dichloropropane	< 0.025	mg/kg	0.025	0.079	1	8260B		11/19/2018	CJR	1
trans-1,3-Dichloropropene	< 0.022	mg/kg	0.022	0.068	1	8260B		11/19/2018	CJR	1
cis-1,3-Dichloropropene	< 0.039	mg/kg	0.039	0.12	1	8260B		11/19/2018	CJR	1
Di-isopropyl ether	< 0.01	mg/kg	0.01	0.032	1	8260B		11/19/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.023	mg/kg	0.023	0.072	1	8260B		11/19/2018	CJR	1
Ethylbenzene	< 0.035	mg/kg	0.035	0.11	1	8260B		11/19/2018	CJR	1
Hexachlorobutadiene	< 0.085	mg/kg	0.085	0.27	1	8260B		11/19/2018	CJR	1
Isopropylbenzene	< 0.034	mg/kg	0.034	0.11	1	8260B		11/19/2018	CJR	1
p-Isopropyltoluene	< 0.029	mg/kg	0.029	0.093	1	8260B		11/19/2018	CJR	1
Methylene chloride	< 0.15	mg/kg	0.15	0.46	1	8260B		11/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.05	mg/kg	0.05	0.16	1	8260B		11/19/2018	CJR	1
Naphthalene	< 0.094	mg/kg	0.094	0.3	1	8260B		11/19/2018	CJR	1
n-Propylbenzene	< 0.033	mg/kg	0.033	0.1	1	8260B		11/19/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.88	1	8260B		11/19/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.028	mg/kg	0.028	0.09	1	8260B		11/19/2018	CJR	1
Tetrachloroethene	0.209	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1 50
Toluene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
1,2,4-Trichlorobenzene	< 0.064	mg/kg	0.064	0.2	1	8260B		11/19/2018	CJR	1

Project Name ALLYNS-ALGOMA
Project # N2162C15

Invoice # E35441

Lab Code 5035441C
Sample ID PZ1
Sample Matrix Soil
Sample Date 10/31/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.066	mg/kg	0.066	0.21	1	8260B		11/19/2018	CJR	1
1,1,1-Trichloroethane	< 0.03	mg/kg	0.03	0.96	1	8260B		11/19/2018	CJR	1
1,1,2-Trichloroethane	< 0.033	mg/kg	0.033	0.11	1	8260B		11/19/2018	CJR	1
Trichloroethene (TCE)	< 0.041	mg/kg	0.041	0.13	1	8260B		11/19/2018	CJR	1
Trichlorofluoromethane	< 0.041	mg/kg	0.041	0.13	1	8260B		11/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.025	0.08	1	8260B		11/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.032	mg/kg	0.032	0.1	1	8260B		11/19/2018	CJR	1
Vinyl Chloride	< 0.019	mg/kg	0.019	0.062	1	8260B		11/19/2018	CJR	1
m&p-Xylene	< 0.072	mg/kg	0.072	0.23	1	8260B		11/19/2018	CJR	1
o-Xylene	< 0.044	mg/kg	0.044	0.14	1	8260B		11/19/2018	CJR	1
SUR - Toluene-d8	101	Rec %			1	8260B		11/19/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	115	Rec %			1	8260B		11/19/2018	CJR	1
SUR - 4-Bromofluorobenzene	102	Rec %			1	8260B		11/19/2018	CJR	1
SUR - Dibromofluoromethane	111	Rec %			1	8260B		11/19/2018	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.
50 Results not corrected for percent solids.

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

Environmental Lab, Inc.

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

Sample Handling Request

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

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **N2162C15**
Sampler: (signature) *[Signature]*

Project (Name / Location): **Allyns - Algoma**
Reports To: **Chris Rogers** Invoice To: **Chris Rogers**
Company: **OMNI Associates** Company: **OMNI Associates**
Address: **1 N. Systems Drive** Address: **1 N. Systems Drive**
City State Zip: **Appleton WI 54914** City State Zip: **Appleton WI 54914**
Phone: **(920) 735-6900** Phone: **(920) 735-6900**
FAX: _____ FAX: _____

Analysis Requested **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date 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)	B-PCRA METALS	PID/FID	
S03541A	MWS	10/31/18 9:30		X	N	2	S	MEDH																0
B	MW6	10/31 11:17		X	N	2	S	MEDH																0
C	PZ1	10/31 1:55		X	N	2	S	MEDH																1.2

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

Soil samples collected during Well installation
Vocs preserved with Methonal

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Out
Temp. of Temp. Blank _____ °C On Ice:
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *[Signature]* Time 4:23pm Date 11/1/18
Received By: (sign) *[Signature]* Time 4:23 Date 11/1/18
Received in Laboratory By: *[Signature]* Time _____ Date _____

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 14-Jan-19

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674A
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/9/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/9/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/9/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/9/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/9/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/9/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/9/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/9/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/9/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		1/9/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		1/9/2019	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		1/9/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/9/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/9/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/9/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/9/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/9/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/9/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/9/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/9/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/9/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/9/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/9/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		1/9/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		1/9/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674A
Sample ID TRIP BLANK
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/9/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/9/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/9/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/9/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/9/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/9/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/9/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/9/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/9/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		1/9/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/9/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/9/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/9/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/9/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/9/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/9/2019	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		1/9/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/9/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/9/2019	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/9/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/9/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/9/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		1/9/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/9/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/9/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/9/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		1/9/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/9/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/9/2019	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		1/9/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	113	REC %			1	8260B		1/9/2019	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		1/9/2019	CJR	1
SUR - Dibromofluoromethane	116	REC %			1	8260B		1/9/2019	CJR	1

Project Name ALLYN'S ALGOMA
 Project # N2162C15

Invoice # E35674

Lab Code 5035674B
 Sample ID MW1
 Sample Matrix Water
 Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/10/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/10/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/10/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/10/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/10/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/10/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/10/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		1/10/2019	CJR	1
Chloromethane	8.1	ug/l	0.54	1.72	1	8260B		1/10/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/10/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/10/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/10/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/10/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/10/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/10/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/10/2019	CJR	1
cis-1,2-Dichloroethene	1.69	ug/l	0.37	1.16	1	8260B		1/10/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		1/10/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/10/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/10/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/10/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/10/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/10/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/10/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/10/2019	CJR	1
p-Isopropyltoluene	0.34 "J"	ug/l	0.24	0.76	1	8260B		1/10/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/10/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/10/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/10/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/10/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/10/2019	CJR	1
Tetrachloroethene	50	ug/l	0.38	1.21	1	8260B		1/10/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/10/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674B
Sample ID MW1
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/10/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/10/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/10/2019	CJR	1
Trichloroethene (TCE)	0.51 "J"	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/10/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/10/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/10/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		1/10/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/10/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/10/2019	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		1/10/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		1/10/2019	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		1/10/2019	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
 Project # N2162C15

Invoice # E35674

Lab Code 5035674C
 Sample ID MW2
 Sample Matrix Water
 Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/9/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/9/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/9/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/9/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/9/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/9/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/9/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/9/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/9/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		1/9/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		1/9/2019	CJR	1
Chloromethane	15.6	ug/l	0.54	1.72	1	8260B		1/9/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/9/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/9/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/9/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/9/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/9/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/9/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/9/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/9/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/9/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/9/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/9/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		1/9/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		1/9/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/9/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/9/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/9/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/9/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/9/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/9/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/9/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/9/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/9/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		1/9/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/9/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/9/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/9/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/9/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/9/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/9/2019	CJR	1
Tetrachloroethene	12.4	ug/l	0.38	1.21	1	8260B		1/9/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/9/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/9/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674C
Sample ID MW2
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/9/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/9/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/9/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		1/9/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/9/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/9/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/9/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		1/9/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/9/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/9/2019	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		1/9/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	109	REC %			1	8260B		1/9/2019	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		1/9/2019	CJR	1
SUR - Dibromofluoromethane	111	REC %			1	8260B		1/9/2019	CJR	1

Project Name ALLYN'S ALGOMA
 Project # N2162C15

Invoice # E35674

Lab Code 5035674D
 Sample ID MW3
 Sample Matrix Water
 Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/10/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/10/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/10/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/10/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/10/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/10/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/10/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		1/10/2019	CJR	1
Chloromethane	7.2	ug/l	0.54	1.72	1	8260B		1/10/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/10/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/10/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/10/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/10/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/10/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/10/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/10/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		1/10/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		1/10/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/10/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/10/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/10/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/10/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/10/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/10/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/10/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		1/10/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/10/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/10/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/10/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/10/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/10/2019	CJR	1
Tetrachloroethene	38	ug/l	0.38	1.21	1	8260B		1/10/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/10/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674D
Sample ID MW3
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/10/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/10/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/10/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/10/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/10/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/10/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		1/10/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/10/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/10/2019	CJR	1
SUR - Dibromofluoromethane	117	REC %			1	8260B		1/10/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	113	REC %			1	8260B		1/10/2019	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			1	8260B		1/10/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
 Project # N2162C15

Invoice # E35674

Lab Code 5035674E
 Sample ID MW4
 Sample Matrix Water
 Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/10/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/10/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/10/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/10/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/10/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/10/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/10/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Chloroethane	1.97	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
Chloroform	0.53 "J"	ug/l	0.26	0.82	1	8260B		1/10/2019	CJR	1
Chloromethane	3.5	ug/l	0.54	1.72	1	8260B		1/10/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/10/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/10/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/10/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/10/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/10/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/10/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/10/2019	CJR	1
cis-1,2-Dichloroethene	38	ug/l	0.37	1.16	1	8260B		1/10/2019	CJR	1
trans-1,2-Dichloroethene	0.59 "J"	ug/l	0.34	1.07	1	8260B		1/10/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/10/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/10/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/10/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/10/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/10/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/10/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/10/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		1/10/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/10/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/10/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/10/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/10/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/10/2019	CJR	1
Tetrachloroethene	56	ug/l	0.38	1.21	1	8260B		1/10/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/10/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674E
Sample ID MW4
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/10/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/10/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/10/2019	CJR	1
Trichloroethene (TCE)	3.05	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/10/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/10/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/10/2019	CJR	1
Vinyl Chloride	7.5	ug/l	0.2	0.65	1	8260B		1/10/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/10/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/10/2019	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		1/10/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		1/10/2019	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			1	8260B		1/10/2019	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
 Project # N2162C15

Invoice # E35674

Lab Code 5035674F
 Sample ID MW5
 Sample Matrix Water
 Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/10/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/10/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/10/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/10/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/10/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/10/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/10/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
Chloroform	1.93	ug/l	0.26	0.82	1	8260B		1/10/2019	CJR	1
Chloromethane	4.0	ug/l	0.54	1.72	1	8260B		1/10/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/10/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/10/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/10/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/10/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/10/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/10/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/10/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		1/10/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		1/10/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/10/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/10/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/10/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/10/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/10/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/10/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/10/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		1/10/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/10/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/10/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/10/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/10/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/10/2019	CJR	1
Tetrachloroethene	7.9	ug/l	0.38	1.21	1	8260B		1/10/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/10/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674F
Sample ID MW5
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/10/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/10/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/10/2019	CJR	1
Trichloroethene (TCE)	0.56 "J"	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/10/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/10/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/10/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		1/10/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/10/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/10/2019	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		1/10/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	113	REC %			1	8260B		1/10/2019	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		1/10/2019	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
 Project # N2162C15

Invoice # E35674

Lab Code 5035674G
 Sample ID MW6
 Sample Matrix Water
 Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/10/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/10/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/10/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/10/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/10/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/10/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/10/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		1/10/2019	CJR	1
Chloromethane	5.4	ug/l	0.54	1.72	1	8260B		1/10/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/10/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/10/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/10/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/10/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/10/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/10/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/10/2019	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		1/10/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		1/10/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/10/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/10/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/10/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/10/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/10/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/10/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/10/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		1/10/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/10/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/10/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/10/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/10/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/10/2019	CJR	1
Tetrachloroethene	4.2	ug/l	0.38	1.21	1	8260B		1/10/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/10/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674G
Sample ID MW6
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/10/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/10/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/10/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/10/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/10/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/10/2019	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		1/10/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/10/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/10/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		1/10/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	110	REC %			1	8260B		1/10/2019	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		1/10/2019	CJR	1
SUR - Dibromofluoromethane	115	REC %			1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
 Project # N2162C15

Invoice # E35674

Lab Code 5035674H
 Sample ID PZ1
 Sample Matrix Water
 Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		1/10/2019	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		1/10/2019	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		1/10/2019	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		1/10/2019	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		1/10/2019	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		1/10/2019	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		1/10/2019	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		1/10/2019	CJR	1
Chloromethane	3.8	ug/l	0.54	1.72	1	8260B		1/10/2019	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		1/10/2019	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		1/10/2019	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		1/10/2019	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		1/10/2019	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		1/10/2019	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		1/10/2019	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		1/10/2019	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		1/10/2019	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		1/10/2019	CJR	1
cis-1,2-Dichloroethene	2.92	ug/l	0.37	1.16	1	8260B		1/10/2019	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		1/10/2019	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		1/10/2019	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		1/10/2019	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		1/10/2019	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		1/10/2019	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/10/2019	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		1/10/2019	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		1/10/2019	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		1/10/2019	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		1/10/2019	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		1/10/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		1/10/2019	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		1/10/2019	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		1/10/2019	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		1/10/2019	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		1/10/2019	CJR	1
Tetrachloroethene	10.7	ug/l	0.38	1.21	1	8260B		1/10/2019	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		1/10/2019	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		1/10/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35674

Lab Code 5035674H
Sample ID PZ1
Sample Matrix Water
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		1/10/2019	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		1/10/2019	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		1/10/2019	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		1/10/2019	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		1/10/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		1/10/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		1/10/2019	CJR	1
Vinyl Chloride	0.71	ug/l	0.2	0.65	1	8260B		1/10/2019	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		1/10/2019	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		1/10/2019	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		1/10/2019	CJR	1
SUR - 1,2-Dichloroethane-d4	108	REC %			1	8260B		1/10/2019	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		1/10/2019	CJR	1
SUR - Dibromofluoromethane	111	REC %			1	8260B		1/10/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

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

Authorized Signature

Environmental Lab, Inc.

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

Sample Handling Request

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

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: **N2162C15**
Sampler: (signature) **[Signature]**

Project (Name / Location): **Allyn's Algoma**
Reports To: **Chris Rogers** Invoice To: **Chris Rogers**
Company: **OMNNI Associates** Company: **OMNNI Associates**
Address: **2 N. Systems Dr** Address: **1 N. Systems Dr**
City State Zip: **Appleton WI 54914** City State Zip: **Appleton WI 54914**
Phone: **(920)735-6900** Phone: **(920)735-6900**
FAX: _____ FAX: _____

Analysis Requested		Other Analysis												
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5035674A	Trip Blank	7/19	6:00am		X	N	1		HCL
B	MW1		4:39				3	GW	
C	MW2		3:57				3		
D	MW3		3:40				3		
E	MW4		2:37				3		
F	MW5		1:12				3		
G	MW6		1:26				3		
H	PZ1		2:53				3		

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

Sample Integrity - To be completed by receiving lab.

Method of Shipment: **dry**

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

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) **[Signature]** Time: **3:57** Date: **7/19**

Received By: (sign) _____ Time: _____ Date: _____

Received in Laboratory By: **[Signature]** Time: **3:57** Date: **7/19**

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-Jan-19

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35673

Lab Code 5035673A
Sample ID VP101
Sample Matrix Air
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
cis-1,2-Dichloroethene	2.93	ug/m3	0.197	0.626	1	TO-15		1/8/2019	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		1/8/2019	CJR	1
Tetrachloroethene	18.3	ug/m3	0.278	0.884	1	TO-15		1/8/2019	CJR	1
Trichloroethene (TCE)	0.75 "J"	ug/m3	0.237	0.754	1	TO-15		1/8/2019	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		1/8/2019	CJR	1

Lab Code 5035673B
Sample ID VP102
Sample Matrix Air
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
cis-1,2-Dichloroethene	0.83	ug/m3	0.197	0.626	1	TO-15		1/8/2019	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		1/8/2019	CJR	1
Tetrachloroethene	31.5	ug/m3	0.278	0.884	1	TO-15		1/8/2019	CJR	1
Trichloroethene (TCE)	0.91	ug/m3	0.237	0.754	1	TO-15		1/8/2019	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		1/8/2019	CJR	1

Project Name ALLYN'S ALGOMA
Project # N2162C15

Invoice # E35673

Lab Code 5035673C
Sample ID VP103
Sample Matrix Air
Sample Date 1/4/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
cis-1,2-Dichloroethene	1.31	ug/m3	0.197	0.626	1	TO-15		1/8/2019	CJR	1
trans-1,2-Dichloroethene	2.46	ug/m3	0.231	0.734	1	TO-15		1/8/2019	CJR	1
Tetrachloroethene	12.1	ug/m3	0.278	0.884	1	TO-15		1/8/2019	CJR	1
Trichloroethene (TCE)	0.54 "J"	ug/m3	0.237	0.754	1	TO-15		1/8/2019	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		1/8/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

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

Authorized Signature

Environmental Lab, Inc.

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

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____

Account No. : _____ Quote No.: _____

Project #: **N2162C15**

Sampler: (signature) **[Signature]**

Project (Name / Location): **Allyn's Algoma**

Reports To: **Chris Rogers** Invoice To: _____

Company: **OMNNI** Company: _____

Address: **1 W. System Dr** Address: _____

City State Zip: **Appleton WI 54911** City State Zip: **SAME**

Phone: **920 735 6900** Phone: _____

FAX: _____ FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		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-PCRA METALS	PID/FID	
		Date	Time																						
5035673A	VP101	1/4	10:02		X	N	1	A	None																
B	VP102	1	10:30		X	N	1	A	None																
C	VP103	1	11:15		X	N	1	A	None																

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

TO15 Cis-Trans 1,2 DCE PCE + TCE + Vinyl chloride

Sample Integrity - To be completed by receiving lab.

Method of Shipment: **[Signature]**

Temp. of Temp. Blank _____ °C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) **[Signature]**

Time **3:57** Date **1/7/19**

Received By: (sign) _____

Time _____ Date _____

Received in Laboratory By: **[Signature]**

Time **3:57**

Date **1/7/19**