October 27, 2020

Mr. Samuel Edwards
Luvata Appleton, LLC
553 Carter Street
Kimberly, WI 54136

Subject: Post-remedial Groundwater Sampling Results
BRRTS#: 02-45-000015

Dear Mr. Edwards:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, EnviroForensics, LLC (EnviroForensics) is providing the results of groundwater samples collected on the Luvata Appleton LLC property located at 908 North Lawe Street in Appleton, Wisconsin. The groundwater samples were collected on September 29, 2020 and analyzed for total dissolved chromium, iron, and manganese. Groundwater samples were collected from monitoring wells MW-5, MW-19R, MW-20R, MW-26R, MW-28R, and MW-30R, which are located as shown on attached **Figure 1**.

The sampling activities were conducted at the direction of the WDNR as part of the post-remedial monitoring that they require. The WDNR has assigned the following identification to the former cleaning facility: BRRTS# 02-45-000015. The chemical of concern (COC) is total dissolved chromium.

The Responsible Party is:

Albany International.
P.O. Box 1939
Appleton, WI 54913

Sampling Results

The sample analytical results are summarized and compared to public health criteria in the attached **Table 1**. Excerpts from the laboratory reports that relate to the groundwater samples

EnviroForensics, LLC
N16 W23390 Stone Ridge Dr, Suite G, Waukesha, WI 53188
Phone: 262-290-4001 • Fax 317-972-7875

are also attached.

As can be seen in the attached **Table 1**, total dissolved chromium was detected in the duplicate groundwater sample collected from MW-20R at a concentration of 22.8 micrograms per liter (µg/L). This concentration is above the preventative action limit of 10 µg/L, but below the enforcement standard of 100 µg/L set by the WDNR for protection of public health. The other wells sampled did not contain chromium at concentrations above the laboratory detection limits. Both iron and manganese were detected in various monitoring wells at concentrations exceeding public health or public welfare standards; however, these minerals are reactants that either drive or result from the chromium sequestering reaction and are expected to diminish over time.

If you have any questions or concerns, please contact me at 414-982-3988 or by email at wfassbender@enviroforensics.com. The WDNR project manager, Bruce Leroy, can be reached at 920-889-0151. We greatly appreciate your help and patience with this matter.

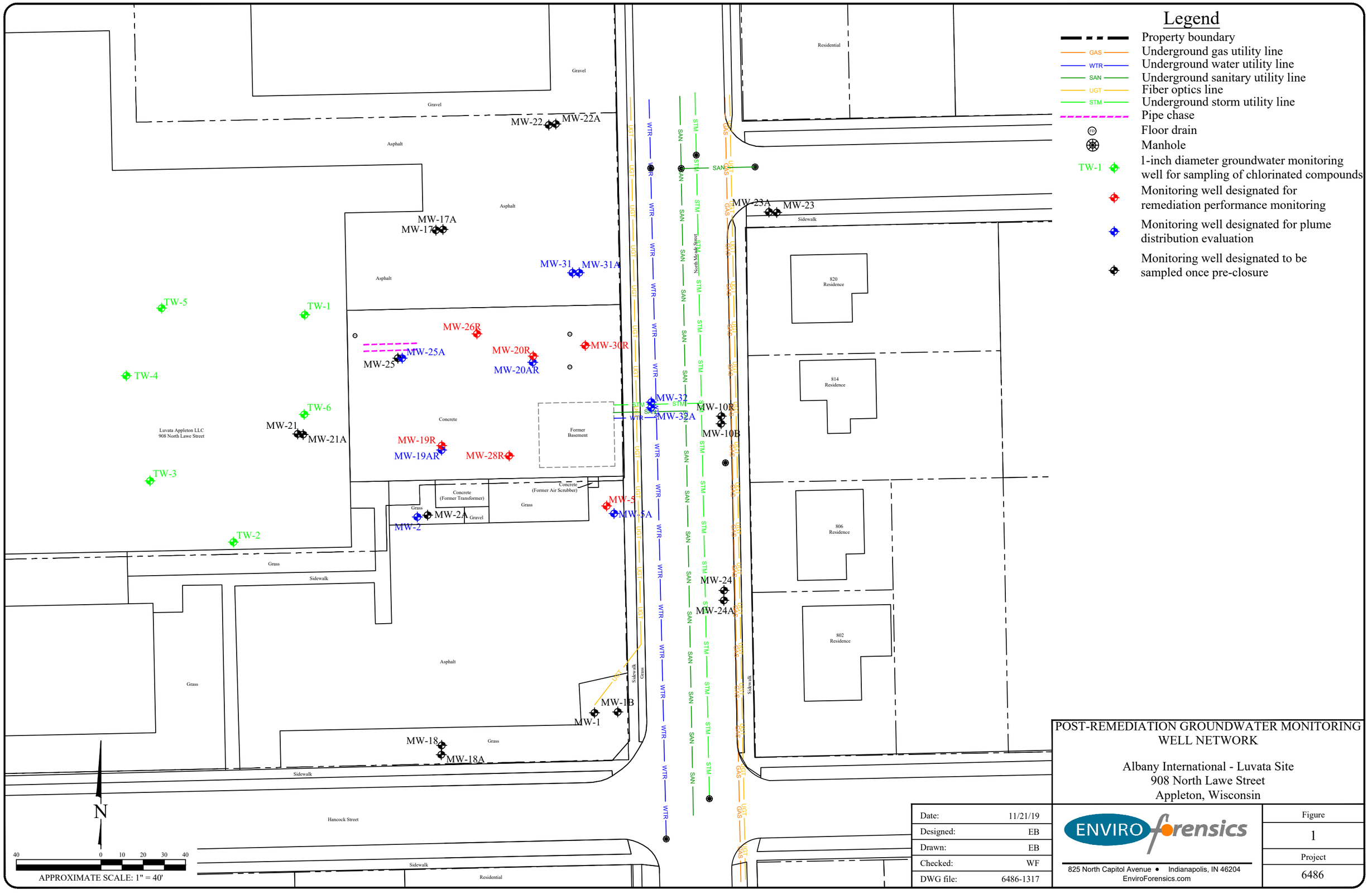
Sincerely,
EnviroForensiscs, LLC

Wayne Fassbender, PG, PMP
Senior Project Manager

Copy: BJ Leroy, Wisconsin Department of Natural Resources

Attachments:

Figure 1: Post-remediation Groundwater Monitoring Well Network
Table 1: Post-remedial Groundwater Analytical Results
Groundwater Laboratory Analytical Report Excerpts



POST-REMEDIATION GROUNDWATER MONITORING WELL NETWORK

Albany International - Luvata Site
908 North Lawe Street
Appleton, Wisconsin

Date:	11/21/19
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6486-1317

ENVIRO forensics
825 North Capitol Avenue • Indianapolis, IN 46204
EnviroForensics.com

Figure 1

Project 6486

TABLE 1
GROUNDWATER REMEDIATION PERFORMANCE MONITORING DATA
Former Appleton Wire Facility
908 North Lawe Street, Appleton, Wisconsin

Monitoring Well Identification	Screen Interval	Remediaion Status	Sample Date	Dissolved Metals		
				Chromium	Manganese	Iron
Reporting Units				**µg/L**	**µg/L**	**µg/L**
NR-140 Preventative Action Limit (PAL)				**10**	**60**	**150***
NR-140 Enforcement Standard (ES)				**100**	**300**	**300***
MW-5	10.4 - 20.4	MW-5+9:23	8/31/2017	**256**	NA	NA
		Post Full Scale	4/10/2020	**12.7 J**	**462**	**13,800**
			7/1/2020	<3.9	**408**	**11,500**
			9/29/2020	<3.9	**346**	**10,100**
MW-19/19R	4.8 - 14.8	Pre	4/23/18	**18,900**	<11.3	<155
		Post Pilot Test	7/16/18	**172**	**948**	**22,400**
		Post Pilot Test	8/20/18	**97.6**	**1640**	**88,200**
		Post Pilot Test	1/21/2019*	**16.1**	**608**	**12,200**
		Post Full Scale	4/10/2020	<3.9	**59.4**	**6,870**
			6/30/2020	<3.9	**111.0**	**8,880**
			9/29/2020	<3.9	**40.6**	**2,930**
MW-20/20R	5.1 - 15.1	Pre	6/28/2017	**265,000**	NA	NA
			8/31/2017	**331,000**	NA	NA
			04/23/18	**296,000**	<11.3	<155
		Post Pilot Test	07/16/18	**161,000**	**99.1**	**929 J**
		Post Pilot Test	08/20/18	**174,000**	**73.1**	**156**
		Post Pilot Test	1/21/2019	**179,000**	**37.1**	<35.4
		Post Full Scale	4/10/2020	**7.0**	**114**	**9,250**
			6/30/2020	**10.9**	**166**	**23,000**
			9/29/2020	**16.7**	**178**	**17,800**
DUP-1			9/29/2020	**22.8**	**179**	**17,200**
MW-26/26R	4.0 - 14.0	Post Pilot Test	07/16/18	**21,600**	**115**	**3,550**
		Post Pilot Test	08/20/18	**17,100**	**15.6**	<15.5
		Post Pilot Test	1/21/2019	**26,700**	**1.5 J**	<35.4
		Post Full Scale	4/10/2020	<3.9	**17.9**	**220**
			7/1/2020	<3.9	**39.3**	**110**
			9/29/2020	<3.9	**98.3**	**910**
MW-28/28R	4.0 - 14.0	Pre	06/28/17	**3,890**	**43.2**	**53.6 J**
		Pre	8/31/2017	**390**	NA	NA
		Post Full Scale	4/10/2020*	<3.9	**67.8**	**680 J**
			6/30/2020	<3.9	**206**	**20,800**
			9/29/2020	<3.9	<4.2	**90 J**
MW-30/30R	4.8 - 14.8	Pre	8/31/2017	**3,540**	NA	NA
		Post Full Scale	4/10/2020	<3.9	**20.1**	**900**
			7/1/2020	<3.9	<4.2	**80 J**
			9/29/2020	<3.9	**52.2**	**2,240**

Notes:

* = Values based on Public Welfare Groundwater Quality Standards

Bolded values are above laboratory detection limits

Bolded and blue colored values are above the groundwater preventative action limit (PAL)

Bolded and orange colored values are above the groundwater enforcement standard (ES)

J = Analyte concentration detected between the laboratory Reporting Limit and Method Detection Limit

µg/L = micrograms per liter

Synergy Environmental Lab, INC

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

WAYNR FASSBENDER
ENVIROFORENSICS
N16 W 23390 STONERIDGE DR
WAUKESHA WI 53188

Report Date *07-Oct-20*

Project Name APPLETON, WI **Invoice #** E38551
Project # 6486 ALBANY INTL.

Lab Code 5038551A
Sample ID 6486-MW-19R
Sample Matrix Water
Sample Date 9/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		10/1/2020	CWT	1
Iron, Dissolved	2.93	mg/l	0.03	0.1	1	200.7		10/1/2020	CWT	1
Manganese, Dissolved	40.6	ug/L	4.2	13.8	1	200.7		10/1/2020	CWT	1

Lab Code 5038551B
Sample ID 6486-MW-28R
Sample Matrix Water
Sample Date 9/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		10/1/2020	CWT	1
Iron, Dissolved	0.09 "J"	mg/l	0.03	0.1	1	200.7		10/1/2020	CWT	1
Manganese, Dissolved	< 4.2	ug/L	4.2	13.8	1	200.7		10/1/2020	CWT	1

Lab Code 5038551C
Sample ID 6486-MW-30R
Sample Matrix Water
Sample Date 9/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		10/1/2020	CWT	1
Iron, Dissolved	2.24	mg/l	0.03	0.1	1	200.7		10/1/2020	CWT	1
Manganese, Dissolved	52.2	ug/L	4.2	13.8	1	200.7		10/1/2020	CWT	1

Project Name APPLETON, WI **Invoice #** E38551
Project # 6486 ALBANY INTL.

Lab Code 5038551D
Sample ID 6486-MW-20R
Sample Matrix Water
Sample Date 9/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	16.7	ug/L	3.9	12.8	1	200.7		10/1/2020	CWT	1
Iron, Dissolved	17.8	mg/l	0.03	0.1	1	200.7		10/1/2020	CWT	1
Manganese, Dissolved	178	ug/L	4.2	13.8	1	200.7		10/1/2020	CWT	1

Lab Code 5038551E
Sample ID 6486-MW-26R
Sample Matrix Water
Sample Date 9/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		10/1/2020	CWT	1
Iron, Dissolved	0.91	mg/l	0.03	0.1	1	200.7		10/1/2020	CWT	1
Manganese, Dissolved	98.3	ug/L	4.2	13.8	1	200.7		10/1/2020	CWT	1

Lab Code 5038551F
Sample ID 6486-MW-5
Sample Matrix Water
Sample Date 9/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		10/1/2020	CWT	1
Iron, Dissolved	10.1	mg/l	0.03	0.1	1	200.7		10/1/2020	CWT	1
Manganese, Dissolved	346	ug/L	4.2	13.8	1	200.7		10/1/2020	CWT	1

Lab Code 5038551G
Sample ID 6486-DUP-1
Sample Matrix Water
Sample Date 9/29/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	22.8	ug/L	3.9	12.8	1	200.7		10/1/2020	CWT	1
Iron, Dissolved	17.2	mg/l	0.03	0.1	1	200.7		10/1/2020	CWT	1
Manganese, Dissolved	179	ug/L	4.2	13.8	1	200.7		10/1/2020	CWT	1

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

Code	*Comment*
1	Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 38948

Page 1 of 1

Sample Handling Request

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

Lab I.D. #

QUOTE # : 8242

Project #: 6486 Albany Int'l

Sampler: (signature) B J Kop

Project (Name / Location): Appleton, WI

Reports To: W. Fassbender	Invoice To: Accounts Payable
Company EnviroForensics	Company EnviroForensics
Address	Address
City State Zip	City State Zip
Phone	Phone 317-972-7870
Email wfassbender@enviroforensics.com	Email accountspayable@enviro-forensics.com

Analysis Requested / **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	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)	VOC AIR (TO - 15)	8-RCRA METALS	Chromium, Iron, Manganese	PID/ FID
538551 A	6486-MW-19R	9/29/20	915	Y	1	GW	HNO_3															X	X	
B	6486-MW-28R		935	Y	1	GW	HNO_3															X	X	
C	6486-MW-30R		950	Y	1	GW	HNO_3															X	X	
D	6486-MW-20R		1030	Y	1	GW	HNO_3															X	X	
E	6486-MW-26R		1050	Y	1	GW	HNO_3															X	X	
F	6486-MW-5		1130	Y	1	GW	HNO_3															X	X	
G	6486-DUP-1	↓	1200	Y	1	GW	HNO_3															X	X	

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

PO# 2020-1948

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Client

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

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
B J Kop	1630	9/29/20			

Received in Laboratory By: MS Time: 16:30 Date: 9-29-20