



January 24, 2022

Mark Yokum, Chief Counsel
Appvion Operations, Inc.
825 E. Wisconsin Avenue
P.O. Box 359
Appleton, WI 54912-0359

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

Dear Mr. Yokum:

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 from monitoring wells located on Appvion property at 714 North Lawe Street in Appleton, Wisconsin. The groundwater samples were collected on December 28 and 29, 2021 to monitor progress of groundwater remedial actions taken by Albany International, Inc. in 2019. The chemical of concern (COC) for the remediation is dissolved chromium.

The location of all groundwater monitoring wells on Appvion property are 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 plating facility: BRRTS# 02-45-000015.

Sampling Results

The analytical results of the groundwater samples are summarized and compared to WDNR standards in the attached **Table 1**. An excerpt from the laboratory report is also attached. As can be seen in **Table 1**, the dissolved chromium concentrations in all monitoring well samples were less than the preventive action limit. Total dissolved iron and manganese concentrations exceeded applicable WDNR standards at MW-5 and MW-5A; however, these elements are integral reactants of the remedial injection process to treat chromium and are anticipated to decrease over time.

Document: 6486-2617



If you have any questions or concerns, please contact me at 262-290-4001 or by email at rhoverman@enviroforensics.com. The WDNR project manager, David Neste, can be reached at 920-362-2072 or david.neste@wisconsin.gov. We greatly appreciate your help and patience with this matter.

EnviroForensics, LLC

Rob Hoverman, PG
Regional Manager

Copy: David Neste, Wisconsin Department of Natural Resources














Attachments:

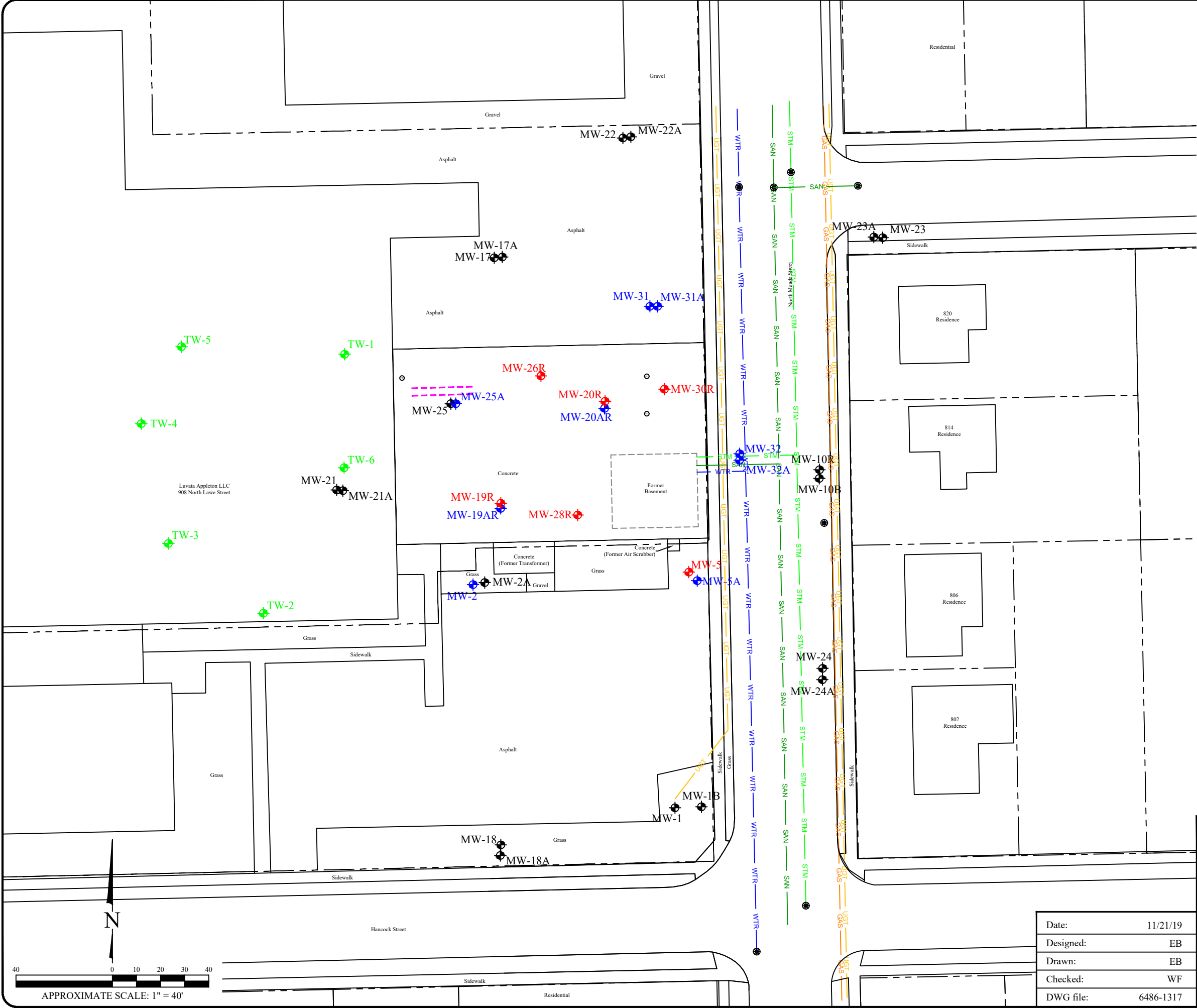
Figure 1: Monitoring Well Location Map

Table 1: Groundwater Remediation Performance Monitoring Data

Groundwater Laboratory Analytical Report Excerpt

Legend

-  Property boundary
-  GAS Underground gas utility line
-  WTR Underground water utility line
-  SAN Underground sanitary utility line
-  UGT Fiber optics line
-  STM Underground storm utility line
-  Pipe chase
-  Floor drain
-  Manhole
-  TW-1 1-inch diameter groundwater monitoring well for sampling of chlorinated compounds
-  Monitoring well designated for remediation performance monitoring
-  Monitoring well designated for plume distribution evaluation
-  Monitoring well designated to be sampled once pre-closure



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



Figure	1
Project	6486

TABLE 1
GROUNDWATER MONITORING RESULTS - APPVION PROPERTY

Former Appleton Wire
 908 N. Lawe St., Appleton, WI 54911

Monitoring Well Identification	Sample Date	Dissolved Chromium	Dissolved Manganese	Dissolved Iron
Enforcement Standard		100	300	300*
Preventive Action Limit		10	60	150*
MW-1	08/31/17	<2.5	NA	NA
	12/29/21	4.0 J	NA	NA
MW-1B	08/31/17	<2.5	NA	NA
	12/29/21	<1.7	NA	NA
MW-2	08/31/17	<2.5	NA	NA
	07/01/20	<3.9	14.8	100
	07/08/21	<3.9	<4.2	<30
	12/29/21	6.0 J	14 J	96
MW-2A	08/31/17	<2.5	NA	NA
	12/28/21	2.0 J	NA	NA
MW-5	08/31/17	256	NA	NA
	04/10/20	12.7 J	462	13,800
	07/01/20	<3.9	408	11,500
	09/29/20	<3.9	346	10,100
	12/29/20	<3.9	353	4,110
	03/17/21	<3.9	299	4,170
	07/08/21	<3.9	315	3,140
	09/23/21	2.99 J	313	3,690
12/28/21	3.0 J	293	1,400	
MW-5A	08/31/17	<2.5	NA	NA
	07/01/20	<3.9	1,050	13,500
	07/08/21	<3.9	431	3,410
	12/29/21	2.0 J	591	3,940
MW-18	08/31/17	<2.5	NA	NA
	12/28/21	<1.7	NA	NA
MW-18A	08/31/17	<2.5	NA	NA
	12/28/21	3.0 J	NA	NA

Notes:

All concentrations reported in units of micrograms per liter (µg/L)

Samples analyzed using EPA SW-846 Method 6010C

Bolded and Orange Shaded values indicates an exceedance of the Enforcement Standard

Bolded and Blue Shaded values indicates an exceedance the Preventive Action Limit

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

NA = Not Analyzed

* = Values based on Public Welfare Groundwater Quality Standards

Synergy Environmental Lab, LLC.

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

ROB HOVERMAN
ENVIROFORENSICS
N16 W 23390 STONERIDGE DR
WAUKESHA WI 53188

Report Date 20-Jan-22

Project Name FMR ALBANY INTL
Project # 6486 PO#2021-0791
Lab Code 5040398A
Sample ID 6486 MW-1
Sample Matrix Water
Sample Date 12/29/2021

Invoice # E40398

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	4.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398B
Sample ID 6486 MW-1B
Sample Matrix Water
Sample Date 12/29/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	< 1.7	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398C
Sample ID 6486 MW-2
Sample Matrix Water
Sample Date 12/29/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	6.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1
Iron, Dissolved	96	ug/l	5.5	25	1	6010B		1/14/2022	SL	1
Manganese, Dissolved	14 "J"	ug/l	0.6	50	1	6010B		1/14/2022	SL	1

Project Name FMR ALBANY INTL
Project # 6486 PO#2021-0791

Invoice # E40398

Lab Code 5040398D
Sample ID 6486 MW-2A
Sample Matrix Water
Sample Date 12/28/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	2.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398E
Sample ID 6486 MW-5
Sample Matrix Water
Sample Date 12/28/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	3.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1
Iron, Dissolved	1400	ug/l	5.5	25	1	6010B		1/14/2022	SL	1
Manganese, Dissolved	293	ug/l	0.6	50	1	6010B		1/14/2022	SL	1

Lab Code 5040398F
Sample ID 6486 MW-5A
Sample Matrix Water
Sample Date 12/29/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	2.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1
Iron, Dissolved	3940	ug/l	5.5	25	1	6010B		1/14/2022	SL	1
Manganese, Dissolved	591	ug/l	0.6	50	1	6010B		1/14/2022	SL	1

Lab Code 5040398G
Sample ID 6486 MW-10R
Sample Matrix Water
Sample Date 12/29/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	3.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398H
Sample ID 6486 MW-10B
Sample Matrix Water
Sample Date 12/29/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	2.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Project Name FMR ALBANY INTL
Project # 6486 PO#2021-0791

Invoice # E40398

Lab Code 5040398I
Sample ID 6486 MW-17
Sample Matrix Water
Sample Date 12/28/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	< 1.7	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398J
Sample ID 6486 MW-17A
Sample Matrix Water
Sample Date 12/28/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	< 1.7	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398K
Sample ID 6486 MW-18
Sample Matrix Water
Sample Date 12/28/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	< 1.7	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398L
Sample ID 6486 MW-18A
Sample Matrix Water
Sample Date 12/28/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	3.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1

Lab Code 5040398M
Sample ID 6486 MW-19R
Sample Matrix Water
Sample Date 12/28/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic Metals Chromium, Dissolved	4.0 "J"	ug/l	1.7	25	1	6010B		1/14/2022	SL	1
Iron, Dissolved	318	ug/l	5.5	25	1	6010B		1/14/2022	SL	1
Manganese, Dissolved	9.0 "J"	ug/l	0.6	50	1	6010B		1/14/2022	SL	1

Environmental Lab, Inc.

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

Sample Handling Request

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

Normal Turn Around

Lab I.D. #
 QUOTE #: 8242
 Project #: 6486
 Sampler: (signature) *B. J. Zyr*

Project (Name / Location): Former Albany Intl, Appleton, WI
 Reports To: R. Hoverman
 Invoice To: Accounts Payable
 Company: Enviroforensics LLC
 Address: rhoverman@enviroforensics.com
 City State Zip:
 Phone: 317-972-7870
 Email:

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection		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	Other Analysis			PID/FID							
		Date	Time																				Chromium	Iron	Manganese								
5040398A	6486-MW-1	12/29/21	740	Y	1	GW	HNO3																										
B	6486-MW-1B	12/29/21	750		1																												
C	6486-MW-2	12/29/21	945		1																												
D	6486-MW-2A	12/28/21	1440		1																												
E	6486-MW-5	12/28/21	1500		1																												
F	6486-MW-5A	12/29/21	730		1																												
G	6486-MW-10R	12/29/21	835		1																												
H	6486-MW-10B	12/29/21	845		1																												
I	6486-MW-17	12/28/21	1405		1																												
J	6486-MW-17A	12/28/21	1410		1																												
K	6486-MW-18	12/28/21	1445		1																												
L	6486-MW-18A	12/28/21	1450		1																												

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

PO# 2021-0791

Sample Integrity - To be completed by receiving lab.

Method of Shipment: *del*

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

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) <i>B. J. Zyr</i>	Time 1100	Date 12/29/21	Received By: (sign) <i>[Signature]</i>	Time	Date
Received in Laboratory By: <i>[Signature]</i>	Time: 11:00	Date: 12/29/21			