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AUG 20 2019

WI DNR - GREEN BAY



Warren Hohn <whohntesting@gmail.com>

aniwa results, i hope. warren hohn

2 messages

Warren Hohn <whohntesting@gmail.com>
To: Tauren.Beggs@wisconsin.gov

Fri, Aug 2, 2019 at 8:29 PM



Reports and Invoice - Aniwa Arsenic Dump (40191381, - whohntesting@gmail.com - Gmail.html
2010K

Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
To: Warren Hohn <whohntesting@gmail.com>

Mon, Aug 5, 2019 at 10:31 AM

Hi Warren,

Please send me an electronic copy (PDF) and paper copy of the results along with a summary data table and figure of the locations. We now have a RR submittal portal that you should use to submit the electronic copy. Here is a link to the directions for submitting the electronic copy: <https://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>. The paper copy can be mailed to the Green Bay DNR office at the address below.

Thanks,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Hydrogeologist & Northeast Region Land Recycling Expert

Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
[2984 Shawano Ave](http://2984.Shawano.Ave)

[Green Bay, WI 54313](http://Green.Bay.WI.54313)
Phone: (920) 662-5178
Tauren.Beggs@wisconsin.gov

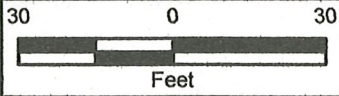
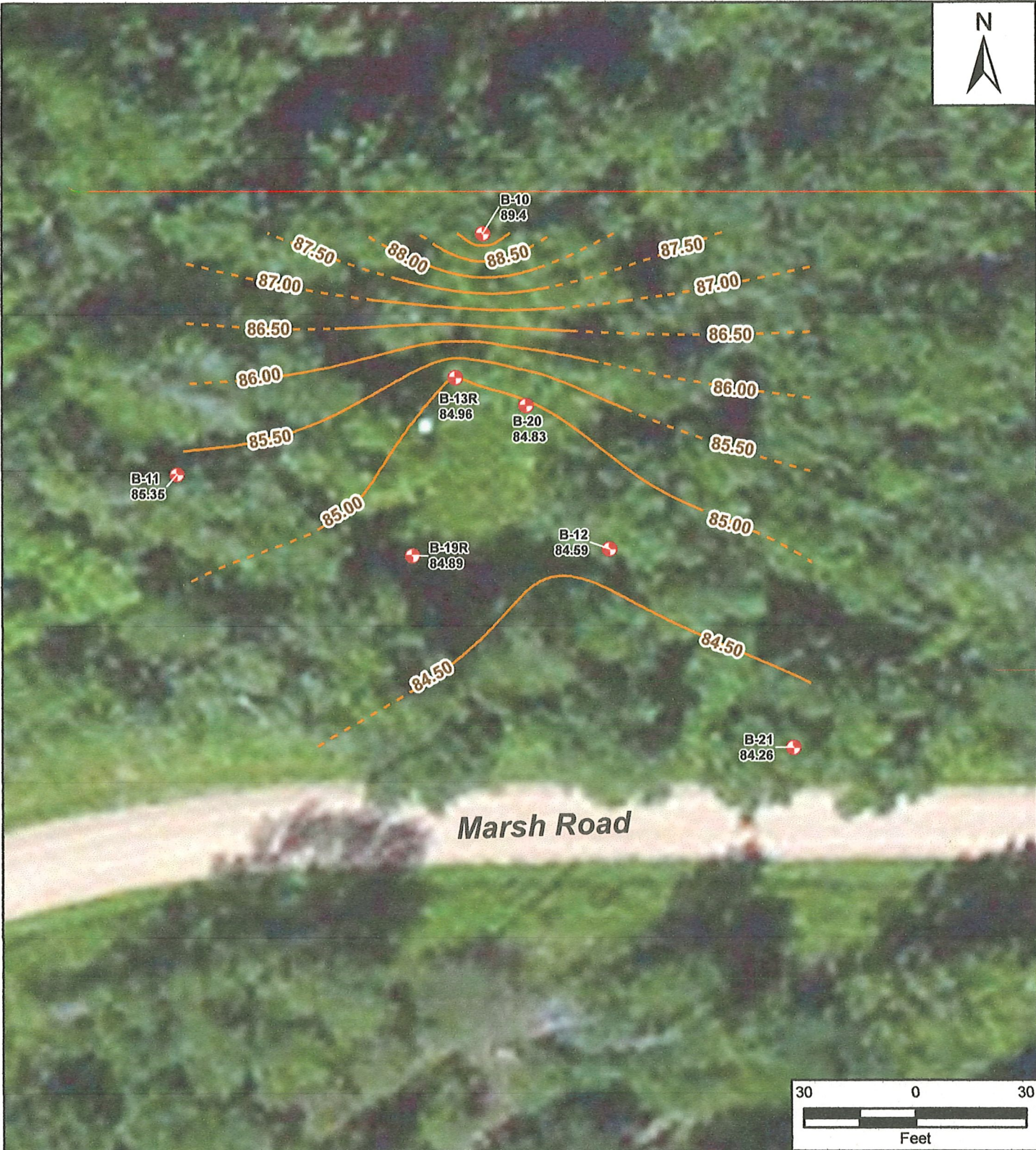


dnr.wi.gov



From: Warren Hohn <whohntesting@gmail.com>

Sent: Friday, August 2, 2019 8:30 PM
To: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Subject: aniwa results, i hope. warren hohn



- Legend**
- Monitoring Well Location
 - Groundwater Elevation Contour
 - Inferred Groundwater Elevation Contour
 - 87.5 Groundwater Elevation

Aniwa Arsenic Site
Aniwa, Shawano County, Wisconsin

Figure 5
Groundwater Potentiometric Surface Map
September 2015



Prepared For: USEPA Region 5

Prepared By: Tetra Tech

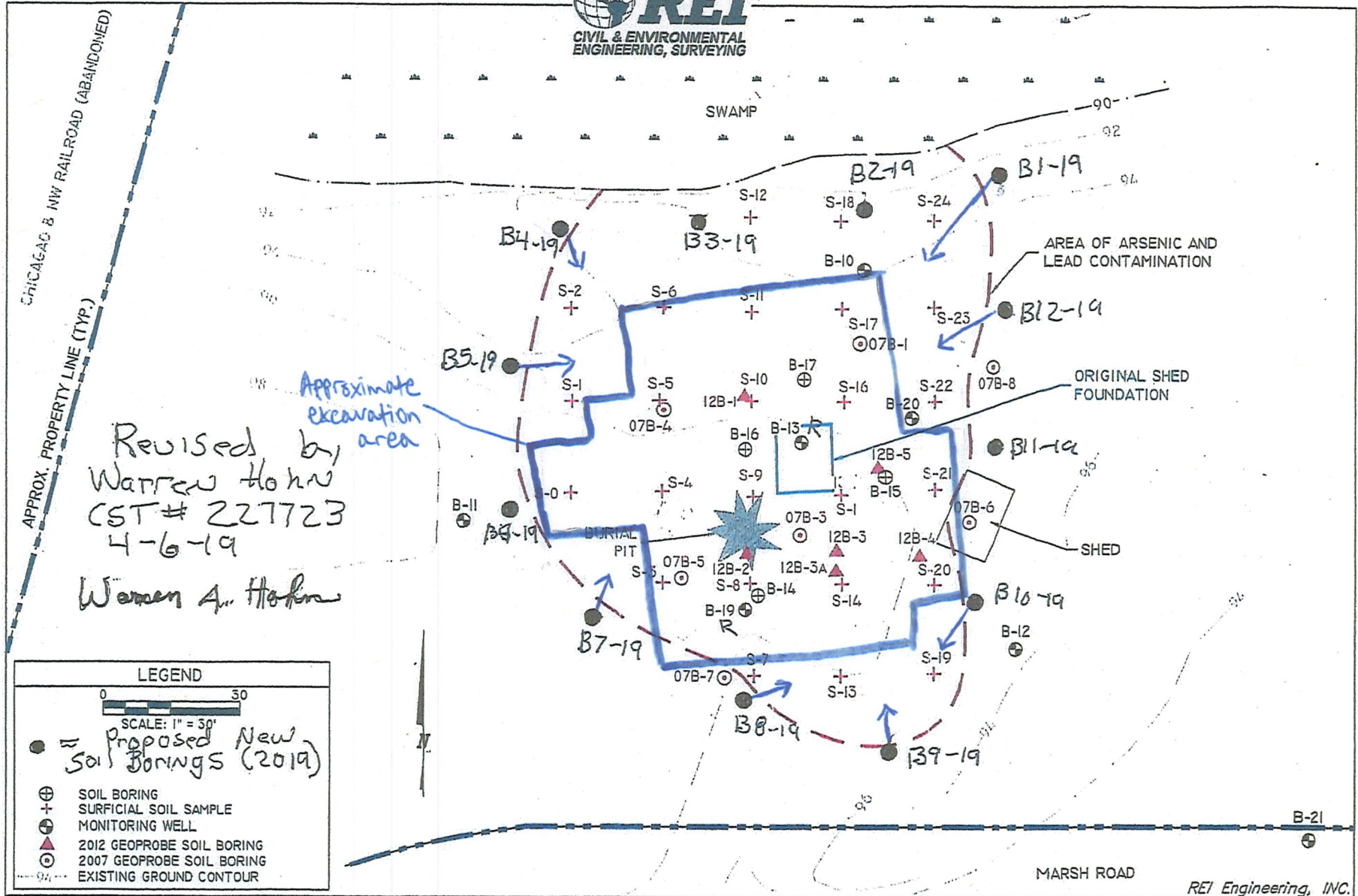
Source: Bing Maps Hybrid, 2012

EPA Contract No.: EP-S5-13-01 TDD No.: 0001/S05-0001-1502-003

Coordinate System: GCS WGS 1984
Datum: WGS 1984
Units: Degree

File Path: G:\GIS\0206-START\NW\Wisconsin\Aniwa Arsenic\mxd\Fig5-PotentiometricSurface_0915.mxd

Date Saved: 10/30/2015



Revised by
Warren Hohn
CST # 227723
4-6-19
Warren A. Hohn

Approximate
excavation
area

LEGEND

0 30
SCALE: 1" = 30'

- = Proposed New Soil Borings (2019)
- ⊕ SOIL BORING
- + SURFICIAL SOIL SAMPLE
- ⊗ MONITORING WELL
- ▲ 2012 GEOPROBE SOIL BORING
- ⊙ 2007 GEOPROBE SOIL BORING
- - - - - EXISTING GROUND CONTOUR

TOWN OF ANIWA DISPOSAL SITE
MARSH ROAD NEAR CHICAGO & NW RAILROAD
TOWN OF ANIWA, SHAWANO COUNTY, WI

FIGURE B.2.c :PRE/POST-REMEDIAL SOIL CONTAMINATION		
PROJECT NO.	DRAWN BY:	DATE:
6663	TAW	6/17/2014

July 30, 2019

Warren Hohn
Township of Aniwa
1205 Lake Street
Merrill, WI 54452

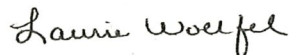
RE: Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Dear Warren Hohn:

Enclosed are the analytical results for sample(s) received by the laboratory on July 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #: E-10177
Kentucky UST Certification #: 80226
Kentucky WW Certification #: 98019
Michigan Department of Environmental Quality, Laboratory #9050

Ohio VAP Certification #: CL0065
Oklahoma Certification #: 2018-101
Texas Certification #: T104704355
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191380001	B-10-19	Water	06/10/19 08:30	07/17/19 09:18
40191380002	B-11-19	Water	06/10/19 09:20	07/17/19 09:18
40191380003	B-12-19	Water	06/10/19 09:50	07/17/19 09:18
40191380004	B-13R-19	Water	06/10/19 10:14	07/17/19 09:18
40191380005	B-19R-19	Water	06/10/19 09:00	07/17/19 09:18
40191380006	B-13R-DUP1-19	Water	06/10/19 10:20	07/17/19 09:18
40191380007	B-20-19	Water	06/10/19 08:40	07/17/19 09:18
40191380008	B-21-19	Water	06/10/19 09:35	07/17/19 09:18
40191380009	B-12-19 (2)	Water	07/08/19 09:30	07/17/19 09:18
40191380010	B-13R-19 (2)	Water	07/08/19 10:00	07/17/19 09:18
40191380011	B-21-19 (2)	Water	07/08/19 09:00	07/17/19 09:18
40191380012	BLANK	Water	06/10/19 11:00	07/17/19 09:18
40191380013	TIMM WELL	Water	06/10/19 11:45	07/17/19 09:18

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191380001	B-10-19	EPA 6020	DS1	2	PASI-G
40191380002	B-11-19	EPA 6020	DS1	2	PASI-G
40191380003	B-12-19	EPA 6020	DS1	2	PASI-G
40191380004	B-13R-19	EPA 6020	DS1	2	PASI-G
40191380005	B-19R-19	EPA 6020	DS1	2	PASI-G
40191380006	B-13R-DUP1-19	EPA 6020	DS1	2	PASI-G
40191380007	B-20-19	EPA 6020	DS1	2	PASI-G
40191380008	B-21-19	EPA 6020	DS1	2	PASI-G
40191380009	B-12-19 (2)	EPA 6020	DS1	1	PASI-G
40191380010	B-13R-19 (2)	EPA 6020	DS1	1	PASI-G
40191380011	B-21-19 (2)	EPA 6020	DS1	1	PASI-G
40191380012	BLANK	EPA 6020	DS1	2	PASI-G
40191380013	TIMM WELL	EPA 200.8	CAW	2	PASI-I

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Sample: B-10-19 Lab ID: 40191380001 Collected: 06/10/19 08:30 Received: 07/17/19 09:18 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	1.1	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 07:29	7440-38-2	
Lead, Dissolved	<0.24	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 07:29	7439-92-1	

Sample: B-11-19 Lab ID: 40191380002 Collected: 06/10/19 09:20 Received: 07/17/19 09:18 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	0.28J	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 07:50	7440-38-2	
Lead, Dissolved	1.4	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 07:50	7439-92-1	

Sample: B-12-19 Lab ID: 40191380003 Collected: 06/10/19 09:50 Received: 07/17/19 09:18 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	230	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 07:57	7440-38-2	
Lead, Dissolved	1.2	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 07:57	7439-92-1	

Sample: B-13R-19 Lab ID: 40191380004 Collected: 06/10/19 10:14 Received: 07/17/19 09:18 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	4970	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:03	7440-38-2	
Lead, Dissolved	0.27J	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 08:03	7439-92-1	

Sample: B-19R-19 Lab ID: 40191380005 Collected: 06/10/19 09:00 Received: 07/17/19 09:18 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	2.0	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:10	7440-38-2	
Lead, Dissolved	0.31J	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 08:10	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Sample: B-13R-DUP1-19 Lab ID: 40191380006 Collected: 06/10/19 10:20 Received: 07/17/19 09:18 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	4850	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:17	7440-38-2	
Lead, Dissolved	<0.24	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 08:17	7439-92-1	

Sample: B-20-19 Lab ID: 40191380007 Collected: 06/10/19 08:40 Received: 07/17/19 09:18 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	1.3	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:24	7440-38-2	
Lead, Dissolved	<0.24	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 08:24	7439-92-1	

Sample: B-21-19 Lab ID: 40191380008 Collected: 06/10/19 09:35 Received: 07/17/19 09:18 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	41.4	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:31	7440-38-2	
Lead, Dissolved	11.7	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 08:31	7439-92-1	

Sample: B-12-19 (2) Lab ID: 40191380009 Collected: 07/08/19 09:30 Received: 07/17/19 09:18 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	460	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:37	7440-38-2	

Sample: B-13R-19 (2) Lab ID: 40191380010 Collected: 07/08/19 10:00 Received: 07/17/19 09:18 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Arsenic, Dissolved	4230	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:44	7440-38-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Sample: B-21-19 (2)		Lab ID: 40191380011	Collected: 07/08/19 09:00	Received: 07/17/19 09:18	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual

6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Arsenic, Dissolved	5.0	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 08:51	7440-38-2	

Sample: BLANK		Lab ID: 40191380012	Collected: 06/10/19 11:00	Received: 07/17/19 09:18	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual

6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Arsenic, Dissolved	<0.28	ug/L	1.0	0.28	1	07/22/19 08:37	07/27/19 09:11	7440-38-2	
Lead, Dissolved	<0.24	ug/L	1.0	0.24	1	07/22/19 08:37	07/27/19 09:11	7439-92-1	

Sample: TIMM WELL		Lab ID: 40191380013	Collected: 06/10/19 11:45	Received: 07/17/19 09:18	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Arsenic	3.4	ug/L	0.52	0.16	1	07/24/19 09:07	07/25/19 00:38	7440-38-2	N2
Lead	1.3	ug/L	0.36	0.11	1	07/24/19 09:07	07/25/19 00:38	7439-92-1	N2

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

QC Batch: 512255 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
Associated Lab Samples: 40191380013

METHOD BLANK: 2363464 Matrix: Water
Associated Lab Samples: 40191380013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<0.16	0.52	07/24/19 22:46	N2
Lead	ug/L	<0.11	0.36	07/24/19 22:46	N2

LABORATORY CONTROL SAMPLE: 2363465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	40	39.7	99	85-115	N2
Lead	ug/L	40	39.4	99	85-115	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2363466 2363467

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40191449001 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	ug/L	1.2	40	40	42.4	42.6	103	104	70-130	1	20 N2
Lead	ug/L	0.16J	40	40	40.7	41.0	101	102	70-130	1	20 N2

MATRIX SPIKE SAMPLE: 2364369

Parameter	Units	40191529005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L		1.1	40	42.8	104	70-130 N2
Lead	ug/L		0.21J	40	40.8	102	70-130 N2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

QC Batch: 328195 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET Dissolved
Associated Lab Samples: 40191380001, 40191380002, 40191380003, 40191380004, 40191380005, 40191380006, 40191380007,
40191380008, 40191380009, 40191380010, 40191380011, 40191380012

METHOD BLANK: 1905829 Matrix: Water
Associated Lab Samples: 40191380001, 40191380002, 40191380003, 40191380004, 40191380005, 40191380006, 40191380007,
40191380008, 40191380009, 40191380010, 40191380011, 40191380012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<0.28	1.0	07/27/19 06:28	
Lead, Dissolved	ug/L	<0.24	1.0	07/27/19 06:28	

LABORATORY CONTROL SAMPLE: 1905830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	487	97	80-120	
Lead, Dissolved	ug/L	500	479	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1905831 1905832

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40191402001 Result	Spike Conc.	Spike Conc.	Conc.							
Arsenic, Dissolved	ug/L	<0.28	500	500	500	483	493	97	99	75-125	2	20
Lead, Dissolved	ug/L	<0.24	500	500	500	477	486	95	97	75-125	2	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.
LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay
PASI-I Pace Analytical Services - Indianapolis

SAMPLE QUALIFIERS

Sample: 40191380013
[1] 200.8 DW reported as Dissolved As/Pb 200.8. MED 7/23/19

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191380

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191380013	TIMM WELL	EPA 200.8	512255	EPA 200.8	512789
40191380001	B-10-19	EPA 3010	328195	EPA 6020	328309
40191380002	B-11-19	EPA 3010	328195	EPA 6020	328309
40191380003	B-12-19	EPA 3010	328195	EPA 6020	328309
40191380004	B-13R-19	EPA 3010	328195	EPA 6020	328309
40191380005	B-19R-19	EPA 3010	328195	EPA 6020	328309
40191380006	B-13R-DUP1-19	EPA 3010	328195	EPA 6020	328309
40191380007	B-20-19	EPA 3010	328195	EPA 6020	328309
40191380008	B-21-19	EPA 3010	328195	EPA 6020	328309
40191380009	B-12-19 (2)	EPA 3010	328195	EPA 6020	328309
40191380010	B-13R-19 (2)	EPA 3010	328195	EPA 6020	328309
40191380011	B-21-19 (2)	EPA 3010	328195	EPA 6020	328309
40191380012	BLANK	EPA 3010	328195	EPA 6020	328309

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Town of Anwa
 Branch/Location: 1201 Lake St, Merrill, WI
 Project Contact: Warren Hohn
 Phone: 715-551-9080
 Project Number: c/Lance Wessel Fel
 Project Name: Anwa Arsenic Dump
 Project State: Wisconsin
 Sampled By (Print): Warren Hohn
 Sampled By (Sign): *Warren Hohn*
 PO #:
 Regulatory Program: WDPDR

Matrix Codes
 On your sample (billable)
 EPA Level III
 EPA Level IV
 MS/MSD
 NOT needed on (billable)
 A = Air
 W = Water
 DW = Drinking Water
 C = Charcoal
 GW = Ground Water
 O = Oil
 S = Soil
 SI = Sludge
 WP = Waste Water
 WWP = Wipe

DATE TIME MATRIX

CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)
 Preservation (CODE)
 Lab #

Analysis Requested
 Diss. Arsenic
 Pb-Lead

FACE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Y/N	Pick	Received By:	Date/Time:
001	B-10-4	6-10-19	8:30	GW	✓	D	Warren Hohn	7-16-19
002	B-11-19	6-10-19	9:20	GW	✓	D	Warren Hohn	7-16-19
003	B-12-19	6-10-19	9:50	GW	✓	D	Warren Hohn	7-16-19
004	B-13-19	6-10-19	10:20	GW	✓	D	Warren Hohn	7-16-19
005	B-14-19	6-10-19	9:00	GW	✓	D	Warren Hohn	7-16-19
006	B-13n-dupl-19	6-10-19	10:20	GW	✓	D	Warren Hohn	7-16-19
007	B-20-19	6-10-19	8:40	GW	✓	D	Warren Hohn	7-16-19
008	B-21-19	6-10-19	9:35	GW	✓	D	Warren Hohn	7-16-19
009	B-12-19 (2)	7-8-19	9:30	GW	✓	D	Warren Hohn	7-16-19
010	B-13-19 (2)	7-8-19	16:00	GW	✓	D	Warren Hohn	7-16-19
011	B-21-19 (2)	7-8-19	7:00	GW	✓	D	Warren Hohn	7-16-19
012	B-21-19	6-10-19	11:00	GW	✓	D	Warren Hohn	7-16-19
013	Tim Well	6-10-19	11:45	DW	✓	D	Warren Hohn	7-16-19

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: 8-1-19

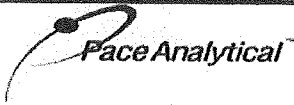
Transmit Prelim Rush Results by (complete what you want):
 Email #1: *warren.hohn@townofanwa.com*
 Email #2: *Tammy@reschinsource.com*
 Telephone: *715-551-9080*
 Fax: *715-551-1277*

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *Warren Hohn* Date/Time: *7-16-19*
 Relinquished By: *Warren Hohn* Date/Time: *7-16-19*
 Relinquished By: *Warren Hohn* Date/Time: *7-16-19*
 Relinquished By: *Warren Hohn* Date/Time: *7-16-19*
 Relinquished By: *Warren Hohn* Date/Time: *7-16-19*
 Relinquished By: *Warren Hohn* Date/Time: *7-16-19*

Received By: *Warren Hohn* Date/Time: *7-16-19*
 Received By: *Warren Hohn* Date/Time: *7-16-19*
 Received By: *Warren Hohn* Date/Time: *7-16-19*
 Received By: *Warren Hohn* Date/Time: *7-16-19*

FACE Project No. *40191380*
 Receipt Temp = *5* °C
 Sample Receipt pH *OK/adjusted*
 Cooler Custody Seal *Intact / No Present*



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Town of Aniwa

WO#: **40191380**

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: 110362861688

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-24

Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 5 / Corr: 5

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:

Date: 7/2/18

Initials: CS

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>page left</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>no time</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>CS</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8. <u>all bottles half full</u>
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		<u>CS 7/1/18</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <u>CS 7/1/18</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>009 to 011 no "(2)" matched by time</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>CS 7/1/18</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Uw

Date: 7/2/18

July 30, 2019

Warren Hohn
Township of Aniwa
1205 Lake Street
Merrill, WI 54452

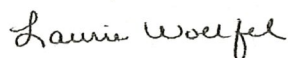
RE: Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Dear Warren Hohn:

Enclosed are the analytical results for sample(s) received by the laboratory on July 17, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40191381001	B-1-19	Solid	06/18/19 09:30	07/17/19 09:15
40191381002	B-2-19	Solid	06/18/19 09:05	07/17/19 09:15
40191381003	B-3-19	Solid	06/18/19 08:45	07/17/19 09:15
40191381004	B-4-19	Solid	06/18/19 09:50	07/17/19 09:15
40191381005	B-5-19	Solid	06/18/19 10:10	07/17/19 09:15
40191381006	B-6-19	Solid	06/18/19 10:05	07/17/19 09:15
40191381007	B-7-19	Solid	06/18/19 10:40	07/17/19 09:15
40191381008	B-8-19	Solid	06/18/19 11:05	07/17/19 09:15
40191381009	B-9-19	Solid	06/18/19 11:20	07/17/19 09:15
40191381010	B-10-19	Solid	06/18/19 12:04	07/17/19 09:15
40191381011	B-11-19	Solid	06/18/19 12:20	07/17/19 09:15
40191381012	B-12-19	Solid	06/18/19 12:45	07/17/19 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40191381001	B-1-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381002	B-2-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381003	B-3-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381004	B-4-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381005	B-5-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381006	B-6-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381007	B-7-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381008	B-8-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381009	B-9-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381010	B-10-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381011	B-11-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G
40191381012	B-12-19	EPA 6010	TXW	1	PASI-G
		ASTM D2974-87	JEV	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Sample: B-1-19 Lab ID: 40191381001 Collected: 06/18/19 09:30 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	12.2	mg/kg	6.3	1.3	1	07/22/19 09:12	07/25/19 17:33	7440-38-2	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	21.4	%	0.10	0.10	1		07/17/19 18:03		

Sample: B-2-19 Lab ID: 40191381002 Collected: 06/18/19 09:05 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	<1.4	mg/kg	6.7	1.4	1	07/22/19 09:12	07/25/19 17:40	7440-38-2	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	29.9	%	0.10	0.10	1		07/17/19 18:03		

Sample: B-3-19 Lab ID: 40191381003 Collected: 06/18/19 08:45 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.6J	mg/kg	6.5	1.4	1	07/22/19 09:12	07/25/19 17:43	7440-38-2	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	26.5	%	0.10	0.10	1		07/17/19 18:04		

Sample: B-4-19 Lab ID: 40191381004 Collected: 06/18/19 09:50 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	38.1	mg/kg	6.3	1.3	1	07/22/19 09:12	07/25/19 17:45	7440-38-2	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	21.0	%	0.10	0.10	1		07/17/19 18:04		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Sample: B-5-19 Lab ID: 40191381005 Collected: 06/18/19 10:10 Received: 07/17/19 09:15 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	1.2J	mg/kg	5.9	1.2	1	07/22/19 09:12	07/25/19 17:48	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	20.7	%	0.10	0.10	1		07/17/19 18:04		

Sample: B-6-19 Lab ID: 40191381006 Collected: 06/18/19 10:05 Received: 07/17/19 09:15 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	27.5	mg/kg	6.2	1.3	1	07/22/19 09:12	07/25/19 17:50	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	22.8	%	0.10	0.10	1		07/17/19 18:04		

Sample: B-7-19 Lab ID: 40191381007 Collected: 06/18/19 10:40 Received: 07/17/19 09:15 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	31.6	mg/kg	6.5	1.4	1	07/22/19 09:12	07/25/19 17:52	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	25.0	%	0.10	0.10	1		07/17/19 18:04		

Sample: B-8-19 Lab ID: 40191381008 Collected: 06/18/19 11:05 Received: 07/17/19 09:15 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<1.2	mg/kg	5.9	1.2	1	07/22/19 09:12	07/25/19 17:55	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	22.2	%	0.10	0.10	1		07/17/19 18:04		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Sample: B-9-19 Lab ID: 40191381009 Collected: 06/18/19 11:20 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	30.6	mg/kg	6.9	1.4	1	07/22/19 09:12	07/25/19 18:02	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	27.5	%	0.10	0.10	1		07/17/19 18:04		

Sample: B-10-19 Lab ID: 40191381010 Collected: 06/18/19 12:04 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.3J	mg/kg	5.7	1.2	1	07/22/19 09:12	07/25/19 18:05	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	17.6	%	0.10	0.10	1		07/17/19 18:05		

Sample: B-11-19 Lab ID: 40191381011 Collected: 06/18/19 12:20 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.5J	mg/kg	6.4	1.3	1	07/22/19 09:12	07/25/19 18:07	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	26.1	%	0.10	0.10	1		07/17/19 18:05		

Sample: B-12-19 Lab ID: 40191381012 Collected: 06/18/19 12:45 Received: 07/17/19 09:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	1.9J	mg/kg	6.3	1.3	1	07/22/19 09:12	07/25/19 18:10	7440-38-2	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	25.5	%	0.10	0.10	1		07/17/19 18:05		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

QC Batch: 327937 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40191381001, 40191381002, 40191381003, 40191381004, 40191381005, 40191381006, 40191381007, 40191381008, 40191381009, 40191381010, 40191381011, 40191381012

METHOD BLANK: 1903938 Matrix: Solid
Associated Lab Samples: 40191381001, 40191381002, 40191381003, 40191381004, 40191381005, 40191381006, 40191381007, 40191381008, 40191381009, 40191381010, 40191381011, 40191381012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	07/25/19 17:23	

LABORATORY CONTROL SAMPLE: 1903939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	47.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1903940 1903941

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40191381001 Result	Spike Conc.	Spike Conc.	Result						
Arsenic	mg/kg	12.2	63.5	63.2	70.5	92	86	75-125	6	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

QC Batch: 327867 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 40191381001, 40191381002, 40191381003, 40191381004, 40191381005, 40191381006, 40191381007,
 40191381008, 40191381009, 40191381010, 40191381011, 40191381012

SAMPLE DUPLICATE: 1903772

Parameter	Units	40191381005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.7	21.1	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ANIWA ARSENIC DUMP
Pace Project No.: 40191381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40191381001	B-1-19	EPA 3050	327937	EPA 6010	328517
40191381002	B-2-19	EPA 3050	327937	EPA 6010	328517
40191381003	B-3-19	EPA 3050	327937	EPA 6010	328517
40191381004	B-4-19	EPA 3050	327937	EPA 6010	328517
40191381005	B-5-19	EPA 3050	327937	EPA 6010	328517
40191381006	B-6-19	EPA 3050	327937	EPA 6010	328517
40191381007	B-7-19	EPA 3050	327937	EPA 6010	328517
40191381008	B-8-19	EPA 3050	327937	EPA 6010	328517
40191381009	B-9-19	EPA 3050	327937	EPA 6010	328517
40191381010	B-10-19	EPA 3050	327937	EPA 6010	328517
40191381011	B-11-19	EPA 3050	327937	EPA 6010	328517
40191381012	B-12-19	EPA 3050	327937	EPA 6010	328517
40191381001	B-1-19	ASTM D2974-87	327867		
40191381002	B-2-19	ASTM D2974-87	327867		
40191381003	B-3-19	ASTM D2974-87	327867		
40191381004	B-4-19	ASTM D2974-87	327867		
40191381005	B-5-19	ASTM D2974-87	327867		
40191381006	B-6-19	ASTM D2974-87	327867		
40191381007	B-7-19	ASTM D2974-87	327867		
40191381008	B-8-19	ASTM D2974-87	327867		
40191381009	B-9-19	ASTM D2974-87	327867		
40191381010	B-10-19	ASTM D2974-87	327867		
40191381011	B-11-19	ASTM D2974-87	327867		
40191381012	B-12-19	ASTM D2974-87	327867		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Client Name: Town of Aniwa

Project # 40190381

All containers needing preservation have been checked and noted below: Yes No N/A

Initial when completed:

Date/Time:

Lab Lot# of pH paper:


Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤	pH after adjusted	Volume (mL)			
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC								GN		
001																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
011																																			2.5 / 5 / 10
012																																			2.5 / 5 / 10
013																																			2.5 / 5 / 10
014																																			2.5 / 5 / 10
015																																			2.5 / 5 / 10
016																																			2.5 / 5 / 10
017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

ok noted


Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WIDRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Town of Aniwa
Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____

Project #: _____
WO#: 40191381

 40191381

Tracking #: 110362861688
Custody Seal on Cooler/Box Present: yes no **Seals intact:** yes no
Custody Seal on Samples Present: yes no **Seals intact:** yes no
Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer Used SR-24 **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 5 ICorr: 5

Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Person examining contents:
 Date: 7/17/18
 Initials: MS

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>page left</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>done</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: UW **Date:** 7/17/18