October 19, 2022

Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711

Attention: Mr. Jeff Ackerman
Telephone: (608) 275-3323
E-mail: Jeffrey.Ackerman@wisconsin.gov

RE: **Remedial Design Data Transmittal**
Loeb-Lorman Scrapyard Former
600 Oak Street
Fort Atkinson, Wisconsin
WDNR BRRTS #02-28-590228
Terracon Project No. 58217147

Dear Mr. Ackerman:

On behalf of the City of Fort Atkinson (City), Terracon Consultants, Inc. (Terracon) has prepared this remedial design data transmittal for the 600 Oak Street parcel of the former Loeb-Lorman Scrapyard properties in Fort Atkinson, Wisconsin.

Terracon submitted a *Site Investigation and Remedial Action Options Report* (SI/RAOR), dated July 11, 2022, for the three parcels comprising the former Loeb-Lorman Scrapyard. The Wisconsin Department of Natural Resources (WDNR) provided comments regarding the 600 Oak Street parcel in an August 5, 2022 letter. The WDNR indicated a separate environmental repair program (ERP) case would be opened for the 600 Oak Street parcel (BRRTS #02-28-590228), and that the site investigation with respect to that parcel was complete. The WDNR also requested further evaluation of remedial action options.

Representatives of the WDNR, City, and former owner discussed the investigation results and remedial action options during an August 30, 2022 conference call. Based on the WDNR's letter and conference call, Terracon, on behalf of the City, collected additional soil samples from the 600 Oak Street parcel for remedial design purposes. The supplemental sampling included advancing 12 direct-push soil borings (SB-1 through SB-12). Boring locations are depicted on the attached figure. Boring locations were selected to further evaluate the subsurface conditions around borings P-8 and DP-8, where lead had been previously detected at the highest concentrations in soil at the 600 Oak Street parcel.

The analytical results are summarized in the attached table. A copy of the laboratory report and chain-of-custody form are attached. The analytical results were used to prepare an updated isoconcentration contour map for lead, which is attached.

The site investigation data and remedial design data were used to develop remedial action options. The stakeholders have discussed these options and have selected one to implement as an interim action. Based on the October 13, 2022 conversation between representatives of the City and the WDNR, we would like to discuss the proposed interim action with the WDNR.

If you have questions or require additional information, please do not hesitate to contact our office at (414) 423-0255 or me directly at (414) 209-7640.

Sincerely,

Terracon

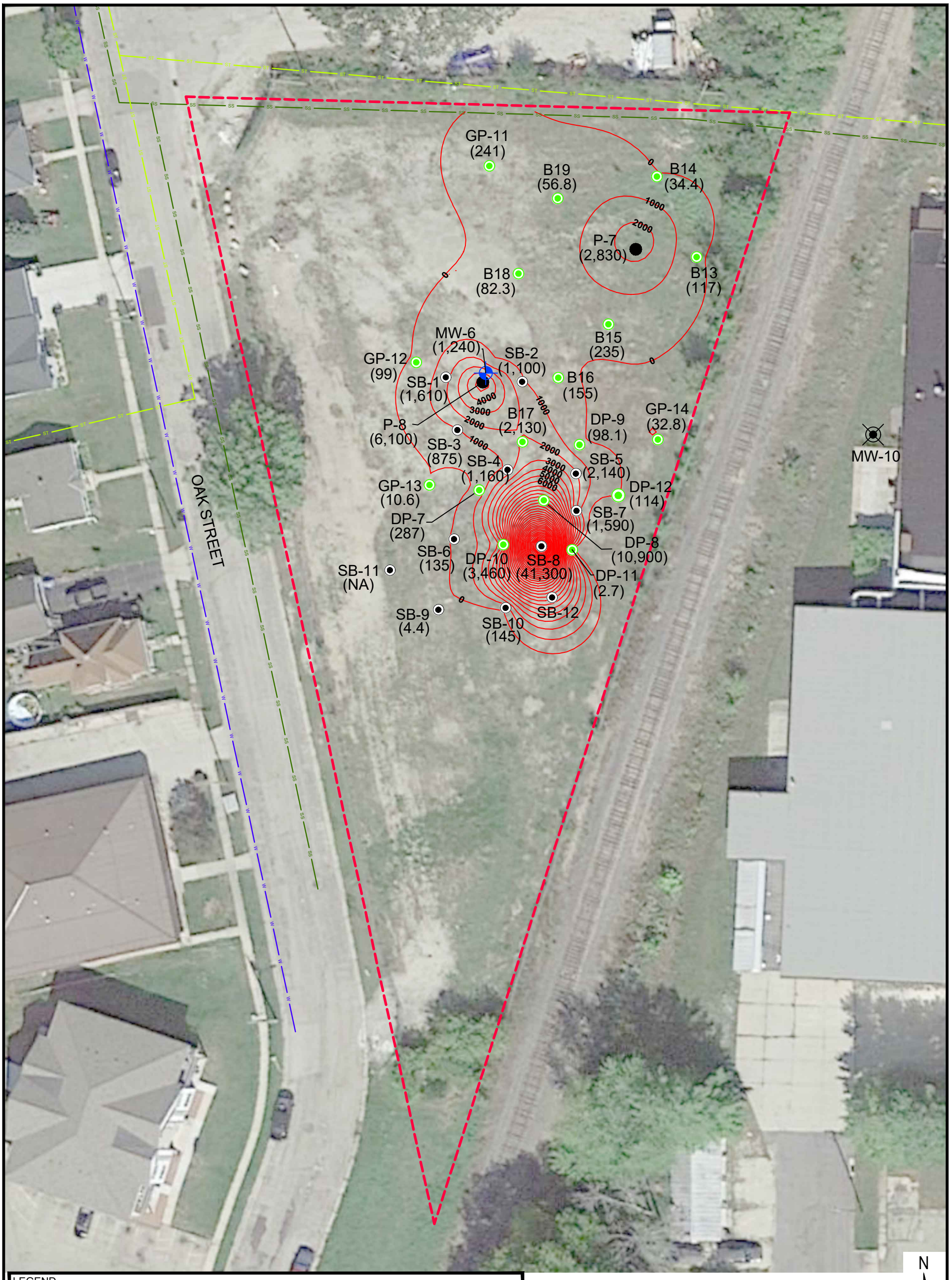
Lucas P. Chabela
Senior Staff Geologist

Edmund A. Buc, CHMM, P.E.
Department Manager

LPC/EAB:eab/N:\Projects\2021\58217147\PROJECT DOCUMENTS (Reports-Letters-Drafts to Clients)\10.22 Oak data trans\Oak data trans 10.2022.docx

Attachments: Exhibit 5
Table 1
Laboratory Report and Chain-of-Custody Form

Copies to: Andy Selle, Fort Atkinson (electronic)
Bruce Loeb (electronic)



LEGEND

- GROUNDWATER MONITORING WELL LOCATIONS
- SOIL BORING/TEMPORARY WELL LOCATIONS
- SOIL BORING LOCATIONS
- SOIL BORING LOCATIONS
- OFFSITE MONITORING WELL LOCATIONS
- (8.5) LEAD CONCENTRATION (mg/kg)
- (NA) NOT ANALYZED
- 1000 LEAD CONCENTRATION (0-4') (CONTOUR INTERVAL: 1000 mg/kg)
- GAS
- WATER
- STORM SEWER
- SANITARY SEWER
- UNDERGROUND ELECTRIC
- APPROXIMATE SITE BOUNDARY

NOTE: CONCENTRATIONS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg)

40 0 40

APPROXIMATE SCALE: 1" = 40'

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

N

Project Mngr:	TPW
Drawn By:	OS
Checked By:	TPW
Approved By:	TPW
Project No.	58217147
Scale:	AS-SHOWN
File No.	58217147D2
Date:	9/22/2022

Terracon
Consulting Engineers and Scientists
9856 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566

LEAD ISOCONCENTRATION IN SOILS (0-4')

FORMER LOEB - LORMAN SCRAPYARD
600 OAK STREET
FORT ATKINSON, WISCONSIN

EXHIBIT
5

Table 1
Soil Analytical Test Results Summary for Metals

Former Loeb-Lorman Scrapyard
Oak Street Parcel
Fort Atkinson, Wisconsin
Terracon Project No. 58217147

Sample ID	Sample Depth (feet)	Sample Date	PID/XRF	Fill/Native	Metals (mg/kg)							
					Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Sliver	Mercury
Direct Contact Non-Industrial RCL[1]					**0.677**	**15,300**	**71.1**	**100,000**	**400**	**391**	**391**	**3.13**
Direct Contact Industrial RCL[2]					3	100,000	985	100,000	800	5,840	5,840	3.13
Soil to Groundwater Pathway RCL[3]					*0.584*	*164.8*	*0.752*	*360,000*	*27*	*0.52*	*0.8491*	*0.208*
Statewide Background Threshold Value[4]					**8.3**	**364**	**1**	**44**	**52**	--	--	--
P-7 (3')	3	7/16/2021	<1	Fill	8.2	**454**	*20.7*	18.3	2,830	<2.7	*1.4J*	**9.9**
P-7 (9')	9	7/16/2021	<1	Native	3.6	64.3	0.23J	24.3	14.3	<1.4	<0.33	0.039J
P-8 (4')	4	7/16/2021	1	Fill	27.6	106	*40.6*	42.1	6,100	<7.9	*19.7*	*1.0*
P-8 (7')	7	7/16/2021	<1	Native	2.0J	85.2	*4.5*	28.2	**502**	<1.6	<0.37	0.078
P-8A (1')	1	2/17/2022	<1	Fill	NA	NA	NA	NA	7.1J	NA	NA	NA
P-8A (2')	2	2/17/2022	<1	Fill	NA	NA	NA	NA	15.7	NA	NA	NA
P-8A (3')	3	2/17/2022	<1	Fill	NA	NA	NA	NA	1,230	NA	NA	NA
P-8A (4')	4	2/17/2022	<1	Fill	NA	NA	NA	NA	2,940	NA	NA	NA
P-8A (5')	5	2/17/2022	<1	Fill	NA	NA	NA	NA	14,900	NA	NA	NA
P-8A (6')	6	2/17/2022	<1	Native	NA	NA	NA	NA	*330*	NA	NA	NA
GP-11 (3')	3	11/10/2021	<1	Fill	8.0	NA	NA	NA	*241*	NA	NA	0.066
GP-11 (7')	7	11/10/2021	<1	Native	7.0	NA	NA	NA	17.5	NA	NA	0.038J
GP-12 (3.5')	3.5	11/10/2021	2	Fill	5.7	NA	NA	NA	*99.0*	NA	NA	0.041J
GP-12 (9')	9	11/10/2021	<1	Native	3.5	NA	NA	NA	6.0	NA	NA	0.021J
GP-13 (4')	4	11/10/2021	<1	Fill	1.7J	NA	NA	NA	10.6	NA	NA	<0.010
GP-13 (9')	9	11/10/2021	<1	Native	2.1J	NA	NA	NA	4.2	NA	NA	<0.0098
GP-14 (4')	4	11/10/2021	<1	Native	3.3J	NA	NA	NA	32.8	NA	NA	0.042J
GP-14 (8')	8	11/10/2021	<1	Native	<1.7	NA	NA	NA	10	NA	NA	0.031J
MW-6 (2')	2	11/10/2021	3	Fill	10.1	NA	NA	NA	*387*	NA	NA	*0.49*
MW-6 (4')	4	11/10/2021	3	Fill	5.5	NA	NA	NA	1,240	NA	NA	*0.22*
MW-6 (9')	9	11/10/2021	<1	Native	2.8	NA	NA	NA	8.4	NA	NA	<0.011
B-13 (3')	3	2/17/2022	<1	Fill	2.9	NA	NA	NA	*117*	NA	NA	0.025J
B-13 (9')	9	2/17/2022	<1	Native	2.7J	NA	NA	NA	10.8	NA	NA	0.016J
B-14 (4')	4	2/17/2022	<1	Fill	2.8J	NA	NA	NA	34.4	NA	NA	0.042
B-14 (8')	8	2/17/2022	<1	Native	8.1	NA	NA	NA	9.7	NA	NA	0.017J
B-15 (3')	3	2/17/2022	<1	Fill	5.3	NA	NA	NA	*235*	NA	NA	0.033J
B-15 (8')	8	2/17/2022	<1	Native	2.1J	NA	NA	NA	*92.1*	NA	NA	0.031J
B-16 (4')	4	2/17/2022	<1	Fill	9.4	NA	NA	NA	*155*	NA	NA	0.17
B-16 (8')	8	2/17/2022	<1	Native	<1.7	NA	NA	NA	41.9	NA	NA	0.068
B-17 (3')	3	2/17/2022	<1	Fill	16.9	NA	NA	NA	2,130	NA	NA	*0.89*
B-17 (8')	8	2/17/2022	<1	Native	<1.6	NA	NA	NA	9.5	NA	NA	0.015J
B-18 (4')	4	2/17/2022	<1	Fill	6.3	NA	NA	NA	*82.3*	NA	NA	0.033J
B-18 (9')	9	2/17/2022	<1	Native	<3.0	NA	NA	NA	6.9	NA	NA	<0.010
B-19 (2')	2	2/17/2022	<1	Fill	21.0	NA	NA	NA	*56.8*	NA	NA	0.038J
B-19 (9')	9	2/17/2022	<1	Native	4.8	NA	NA	NA	10.9	NA	NA	0.028J
DP-7(3)	3	4/28/2022	1	Fill	5.2	NA	NA	NA	*287*	NA	NA	0.17
DP-7(8)	8	4/28/2022	<1	Native	2.7J	NA	NA	NA	9.9	NA	NA	0.043
DP-8(3)	3	4/28/2022	<1	Fill	<36.7	NA	NA	NA	10,900	NA	NA	*1.8*
DP-8(8)	8	4/28/2022	<1	Native	<1.7	NA	NA	NA	13.0	NA	NA	0.018J
DP-9(3)	3	4/28/2022	<1	Fill	14.3	NA	NA	NA	*98.1*	NA	NA	0.063
DP-9(8)	8	4/28/2022	<1	Native	1.7J	NA	NA	NA	18.8	NA	NA	0.013J
DP-10(3)	3	4/28/2022	<1	Fill	33.4	NA	NA	NA	3,460	NA	NA	0.16
DP-10(7)	8	4/28/2022	<1	Native	2.4	NA	NA	NA	8.5	NA	NA	0.024J
DP-11(3)	3	4/28/2022	<1	Fill	<1.5	NA	NA	NA	2.7	NA	NA	<0.010
DP-11(8)	8	4/28/2022	<1	Native	<1.7	NA	NA	NA	8.8	NA	NA	0.016J
DP-12(3)	3	4/28/2022	<1	Fill	18.0	NA	NA	NA	*114*	NA	NA	0.097
DP-12(8)	8	4/28/2022	<1	Native	<1.7	NA	NA	NA	8.8	NA	NA	0.028J

Table 1
Soil Analytical Test Results Summary for Metals

Former Loeb-Lorman Scrapyard
Oak Street Parcel
Fort Atkinson, Wisconsin
Terracon Project No. 58217147

Sample ID	Sample Depth (feet)	Sample Date	PID/XRF	Fill/Native	Metals (mg/kg)							
					Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Sliver	Mercury
Direct Contact Non-Industrial RCL[1]					**0.677**	**15,300**	**71.1**	**100,000**	**400**	**391**	**391**	**3.13**
Direct Contact Industrial RCL[2]					3	100,000	985	100,000	800	5,840	5,840	3.13
Soil to Groundwater Pathway RCL[3]					*0.584*	*164.8*	*0.752*	*360,000*	*27*	*0.52*	*0.8491*	*0.208*
Statewide Background Threshold Value[4]					**8.3**	**364**	**1**	**44**	**52**	**--**	**--**	**--**
SB-1 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	*65*	NA	NA	NA
SB-1 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-1 (3)	3	9/6/2022	0.09	Fill	NA	NA	NA	NA	1,610	NA	NA	NA
SB-1 (8)	8	9/6/2022	0.01	Native	NA	NA	NA	NA	5.8	NA	NA	NA
SB-2 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	13.1	NA	NA	NA
SB-2 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-2 (4)	4	9/6/2022	0.48	Fill	NA	NA	NA	NA	1,100	NA	NA	NA
SB-2 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	9.9	NA	NA	NA
SB-3 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	15.5	NA	NA	NA
SB-3 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-3 (3)	3	9/6/2022	0.04	Fill	NA	NA	NA	NA	875	NA	NA	NA
SB-3 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	8.1	NA	NA	NA
SB-4 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	16.2	NA	NA	NA
SB-4 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-4 (4)	4	9/6/2022	0.11	Fill	NA	NA	NA	NA	1,160	NA	NA	NA
SB-4 (8)	8	9/6/2022	0.01	Native	NA	NA	NA	NA	10.4	NA	NA	NA
SB-5 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	10.9	NA	NA	NA
SB-5 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-5 (4)	4	9/6/2022	0.22	Fill	NA	NA	NA	NA	2,140	NA	NA	NA
SB-5 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	14.1	NA	NA	NA
SB-6 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	*332*	NA	NA	NA
SB-6 (2)	2	9/6/2022	0.03	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-6 (3)	3	9/6/2022	0.06	Fill	NA	NA	NA	NA	*135*	NA	NA	NA
SB-6 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	4.8	NA	NA	NA
SB-7 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	14.4	NA	NA	NA
SB-7 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-7 (4)	4	9/6/2022	0.08	Fill	NA	NA	NA	NA	1,590	NA	NA	NA
SB-7 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	*57.6*	NA	NA	NA
SB-8 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	30.7	NA	NA	NA
SB-8 (2)	2	9/6/2022	0.02	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-8 (4)	4	9/6/2022	0.12	Fill	NA	NA	NA	NA	41,300	NA	NA	NA
SB-8 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	13.4	NA	NA	NA
SB-9 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	*173*	NA	NA	NA
SB-9 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-9 (3)	3	9/6/2022	0.01	Fill	NA	NA	NA	NA	4.4	NA	NA	NA
SB-9 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	6.4	NA	NA	NA
SB-10 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	18.8	NA	NA	NA
SB-10 (2)	2	9/6/2022	0.02	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-10 (3)	3	9/6/2022	0.13	Fill	NA	NA	NA	NA	*145*	NA	NA	NA
SB-10 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	6.3	NA	NA	NA
SB-11 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-11 (2)	2	9/6/2022	0.01	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-11 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	NA	NA	NA	NA
SB-12 (1)	1	9/6/2022	0.01	Fill	NA	NA	NA	NA	17.0	NA	NA	NA
SB-12 (2)	2	9/6/2022	0.02	Fill	NA	NA	NA	NA	NA	NA	NA	NA
SB-12 (3)	3	9/6/2022	0.03	Fill	NA	NA	NA	NA	*120*	NA	NA	NA
SB-12 (7)	7	9/6/2022	0.01	Native	NA	NA	NA	NA	12.3	NA	NA	NA

Notes:
PID=Photoionization Detector Reading
XRF= X-Ray Flourescent Reading (9/6/2022 Only)
Results expressed in milligrams per kilogram (mg/kg)

[1] Non-Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December, 2018 (with WDNR spreadsheet input parameters updated December 2018).

[2] Industrial Residual Contaminant Levels (RCLs) for Direct Contact (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated December 2018(with WDNR spreadsheet input parameters updated December 2018).

[3] Protection of Groundwater RCLs (Dec 2018) per Soil Residual Contaminant Level Determinations Using the US EPA Regional Screening Level Web Calculator PUB-RR-890, dated January 2014 (with WDNR spreadsheet input parameters updated December 2018).

[4] Wisconsin Department of Natural Resources Statewide Background Threshold Value, July 2015

XX.XX	Bold and brown = Exceeds Non-Industrial Direct Contact RCL
XX.XX	Underlined and pink = Exceeds Industrial Direct Contact RCL
XX.XX	Italicized and blue = Exceeds Soil to Groundwater Pathway RCL
XX.XX	Bold only = Exceeds BTV

J = Estimated concentration at or above the limit of detection (LOD) and below the limit of quantitation (LOQ)
"NA" = Sample Not Analyzed for this Analyte
-- = No Established Standard

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 27, 2022

Tim Welch
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Dear Tim Welch:

Enclosed are the analytical results for sample(s) received by the laboratory on September 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Ryan Johnson, Terracon, Inc. - Franklin

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Pace Analytical Services Green Bay
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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40250983001	SB-1(1)	Solid	09/06/22 10:45	09/07/22 08:10
40250983002	SB-1(3)	Solid	09/06/22 10:50	09/07/22 08:10
40250983003	SB-1(8)	Solid	09/06/22 10:55	09/07/22 08:10
40250983004	SB-2(1)	Solid	09/06/22 11:05	09/07/22 08:10
40250983005	SB-2(4)	Solid	09/06/22 11:10	09/07/22 08:10
40250983006	SB-2(7)	Solid	09/06/22 11:15	09/07/22 08:10
40250983007	SB-3(1)	Solid	09/06/22 11:25	09/07/22 08:10
40250983008	SB-3(3)	Solid	09/06/22 11:30	09/07/22 08:10
40250983009	SB-3(7)	Solid	09/06/22 11:35	09/07/22 08:10
40250983010	SB-4(1)	Solid	09/06/22 11:45	09/07/22 08:10
40250983011	SB-4(4)	Solid	09/06/22 11:50	09/07/22 08:10
40250983012	SB-4(8)	Solid	09/06/22 11:55	09/07/22 08:10
40250983013	SB-5(1)	Solid	09/06/22 12:00	09/07/22 08:10
40250983014	SB-5(4)	Solid	09/06/22 12:05	09/07/22 08:10
40250983015	SB-5(7)	Solid	09/06/22 12:10	09/07/22 08:10
40250983016	SB-6(1)	Solid	09/06/22 14:00	09/07/22 08:10
40250983017	SB-6(3)	Solid	09/06/22 14:05	09/07/22 08:10
40250983018	SB-6(7)	Solid	09/06/22 14:10	09/07/22 08:10
40250983019	SB-7(1)	Solid	09/06/22 12:15	09/07/22 08:10
40250983020	SB-7(4)	Solid	09/06/22 12:20	09/07/22 08:10
40250983021	SB-7(7)	Solid	09/06/22 00:00	09/07/22 08:10
40250983022	SB-8(1)	Solid	09/06/22 00:00	09/07/22 08:10
40250983023	SB-8(4)	Solid	09/06/22 00:00	09/07/22 08:10
40250983024	SB-8(7)	Solid	09/06/22 00:00	09/07/22 08:10
40250983025	SB-9(1)	Solid	09/06/22 00:00	09/07/22 08:10
40250983026	SB-9(3)	Solid	09/06/22 00:00	09/07/22 08:10
40250983027	SB-9(7)	Solid	09/06/22 00:00	09/07/22 08:10
40250983028	SB-10(1)	Solid	09/06/22 00:00	09/07/22 08:10
40250983029	SB-10(3)	Solid	09/06/22 00:00	09/07/22 08:10
40250983030	SB-10(7)	Solid	09/06/22 00:00	09/07/22 08:10
40250983031	SB-11(1)	Solid	09/06/22 13:45	09/07/22 08:10
40250983032	SB-11(2)	Solid	09/06/22 13:50	09/07/22 08:10
40250983033	SB-11(7)	Solid	09/06/22 13:55	09/07/22 08:10
40250983034	SB-12(1)	Solid	09/06/22 13:00	09/07/22 08:10
40250983035	SB-12(3)	Solid	09/06/22 13:05	09/07/22 08:10
40250983036	SB-12(7)	Solid	09/06/22 13:10	09/07/22 08:10

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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SAMPLE ANALYTE COUNT

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40250983001	**SB-1(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	GNS	1	PASI-G
40250983002	**SB-1(3)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983003	**SB-1(8)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983004	**SB-2(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	GNS	1	PASI-G
40250983005	**SB-2(4)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983006	**SB-2(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983007	**SB-3(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983008	**SB-3(3)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983009	**SB-3(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983010	**SB-4(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983011	**SB-4(4)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983012	**SB-4(8)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983013	**SB-5(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983014	**SB-5(4)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983015	**SB-5(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983016	**SB-6(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983017	**SB-6(3)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983018	**SB-6(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983019	**SB-7(1)**	EPA 6010D	SIS	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	MRP	1	PASI-G
40250983020	**SB-7(4)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983021	**SB-7(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983022	**SB-8(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983023	**SB-8(4)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983024	**SB-8(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983025	**SB-9(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983026	**SB-9(3)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983027	**SB-9(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983028	**SB-10(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983029	**SB-10(3)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983030	**SB-10(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MYH	1	PASI-G
40250983034	**SB-12(1)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983035	**SB-12(3)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	MRP	1	PASI-G
40250983036	**SB-12(7)**	EPA 6010D	SIS	1	PASI-G
		ASTM D2974-87	GNS	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40250983001	**SB-1(1)**					
EPA 6010D	Lead	65.0	mg/kg	4.1	09/23/22 12:36	
ASTM D2974-87	Percent Moisture	4.1	%	0.10	09/22/22 13:29	
40250983002	**SB-1(3)**					
EPA 6010D	Lead	1610	mg/kg	121	09/09/22 12:40	P6
ASTM D2974-87	Percent Moisture	18.1	%	0.10	09/12/22 11:23	
40250983003	**SB-1(8)**					
EPA 6010D	Lead	5.8	mg/kg	2.2	09/08/22 17:06	
ASTM D2974-87	Percent Moisture	10.4	%	0.10	09/12/22 11:23	
40250983004	**SB-2(1)**					
EPA 6010D	Lead	13.1	mg/kg	4.1	09/23/22 12:39	
ASTM D2974-87	Percent Moisture	3.7	%	0.10	09/22/22 13:29	
40250983005	**SB-2(4)**					
EPA 6010D	Lead	1100	mg/kg	12.5	09/09/22 12:50	
ASTM D2974-87	Percent Moisture	20.9	%	0.10	09/12/22 11:23	
40250983006	**SB-2(7)**					
EPA 6010D	Lead	9.9	mg/kg	2.4	09/08/22 17:14	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	09/12/22 11:23	
40250983007	**SB-3(1)**					
EPA 6010D	Lead	15.5	mg/kg	3.8	09/23/22 12:41	
ASTM D2974-87	Percent Moisture	2.7	%	0.10	09/20/22 16:38	
40250983008	**SB-3(3)**					
EPA 6010D	Lead	875	mg/kg	4.6	09/09/22 12:53	
ASTM D2974-87	Percent Moisture	17.3	%	0.10	09/12/22 11:23	
40250983009	**SB-3(7)**					
EPA 6010D	Lead	8.1	mg/kg	2.3	09/08/22 17:18	
ASTM D2974-87	Percent Moisture	15.8	%	0.10	09/12/22 11:23	
40250983010	**SB-4(1)**					
EPA 6010D	Lead	16.2	mg/kg	4.1	09/23/22 12:44	
ASTM D2974-87	Percent Moisture	3.3	%	0.10	09/20/22 16:38	
40250983011	**SB-4(4)**					
EPA 6010D	Lead	1160	mg/kg	2.2	09/08/22 17:26	
ASTM D2974-87	Percent Moisture	16.5	%	0.10	09/12/22 11:23	
40250983012	**SB-4(8)**					
EPA 6010D	Lead	10.4	mg/kg	2.3	09/08/22 17:28	
ASTM D2974-87	Percent Moisture	15.4	%	0.10	09/12/22 11:23	
40250983013	**SB-5(1)**					
EPA 6010D	Lead	10.9	mg/kg	4.0	09/23/22 12:47	
ASTM D2974-87	Percent Moisture	3.1	%	0.10	09/20/22 16:38	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40250983014	**SB-5(4)**					
EPA 6010D	Lead	2140	mg/kg	12.7	09/09/22 12:55	
ASTM D2974-87	Percent Moisture	23.5	%	0.10	09/12/22 11:23	
40250983015	**SB-5(7)**					
EPA 6010D	Lead	14.1	mg/kg	2.4	09/08/22 17:33	
ASTM D2974-87	Percent Moisture	18.1	%	0.10	09/12/22 11:23	
40250983016	**SB-6(1)**					
EPA 6010D	Lead	332	mg/kg	9.4	09/26/22 15:46	
ASTM D2974-87	Percent Moisture	1.5	%	0.10	09/20/22 16:38	
40250983017	**SB-6(3)**					
EPA 6010D	Lead	135	mg/kg	2.3	09/08/22 17:35	
ASTM D2974-87	Percent Moisture	11.9	%	0.10	09/12/22 11:23	
40250983018	**SB-6(7)**					
EPA 6010D	Lead	4.8	mg/kg	2.2	09/13/22 14:28	
ASTM D2974-87	Percent Moisture	9.1	%	0.10	09/12/22 11:23	
40250983019	**SB-7(1)**					
EPA 6010D	Lead	14.4	mg/kg	3.8	09/23/22 12:52	
ASTM D2974-87	Percent Moisture	1.9	%	0.10	09/20/22 16:39	
40250983020	**SB-7(4)**					
EPA 6010D	Lead	1590	mg/kg	2.2	09/08/22 17:40	
ASTM D2974-87	Percent Moisture	9.9	%	0.10	09/12/22 11:23	
40250983021	**SB-7(7)**					
EPA 6010D	Lead	57.6	mg/kg	2.3	09/08/22 17:43	
ASTM D2974-87	Percent Moisture	16.1	%	0.10	09/12/22 11:23	
40250983022	**SB-8(1)**					
EPA 6010D	Lead	30.7	mg/kg	4.0	09/23/22 12:54	
ASTM D2974-87	Percent Moisture	1.2	%	0.10	09/20/22 16:39	
40250983023	**SB-8(4)**					
EPA 6010D	Lead	41300	mg/kg	25.4	09/09/22 12:57	
ASTM D2974-87	Percent Moisture	26.0	%	0.10	09/12/22 11:23	
40250983024	**SB-8(7)**					
EPA 6010D	Lead	13.4	mg/kg	2.3	09/08/22 17:48	
ASTM D2974-87	Percent Moisture	18.7	%	0.10	09/12/22 11:23	
40250983025	**SB-9(1)**					
EPA 6010D	Lead	173	mg/kg	2.0	09/23/22 09:07	
ASTM D2974-87	Percent Moisture	3.9	%	0.10	09/20/22 16:39	
40250983026	**SB-9(3)**					
EPA 6010D	Lead	4.4	mg/kg	2.3	09/08/22 17:55	
ASTM D2974-87	Percent Moisture	15.5	%	0.10	09/12/22 11:23	

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SUMMARY OF DETECTION

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40250983027	**SB-9(7)**					
EPA 6010D	Lead	6.4	mg/kg	2.2	09/08/22 17:58	
ASTM D2974-87	Percent Moisture	14.6	%	0.10	09/12/22 11:23	
40250983028	**SB-10(1)**					
EPA 6010D	Lead	18.8	mg/kg	4.1	09/23/22 13:02	
ASTM D2974-87	Percent Moisture	2.3	%	0.10	09/20/22 16:39	
40250983029	**SB-10(3)**					
EPA 6010D	Lead	145	mg/kg	2.3	09/08/22 18:00	
ASTM D2974-87	Percent Moisture	15.9	%	0.10	09/12/22 11:23	
40250983030	**SB-10(7)**					
EPA 6010D	Lead	6.3	mg/kg	2.2	09/08/22 18:03	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	09/12/22 11:23	
40250983034	**SB-12(1)**					
EPA 6010D	Lead	17.0	mg/kg	4.0	09/23/22 13:04	
ASTM D2974-87	Percent Moisture	2.4	%	0.10	09/20/22 16:39	
40250983035	**SB-12(3)**					
EPA 6010D	Lead	120	mg/kg	2.4	09/23/22 09:15	
ASTM D2974-87	Percent Moisture	20.1	%	0.10	09/20/22 16:39	
40250983036	**SB-12(7)**					
EPA 6010D	Lead	12.3	mg/kg	2.3	09/23/22 09:17	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	09/22/22 12:01	

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PROJECT NARRATIVE

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Method: **EPA 6010D**
Description: 6010D MET ICP
Client: Terracon, Inc. - Franklin
Date: September 27, 2022

General Information:
33 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-1(1) **Lab ID: 40250983001** Collected: 09/06/22 10:45 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**65.0**	mg/kg	4.1	1.2	2	09/21/22 07:15	09/23/22 12:36	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**4.1**	%	0.10	0.10	1		09/22/22 13:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-1(3) **Lab ID: 40250983002** Collected: 09/06/22 10:50 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**1610**	mg/kg	121	36.3	50	09/08/22 06:53	09/09/22 12:40	7439-92-1	P6
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.1**	%	0.10	0.10	1		09/12/22 11:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-1(8) **Lab ID: 40250983003** Collected: 09/06/22 10:55 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**5.8**	mg/kg	2.2	0.65	1	09/08/22 06:53	09/08/22 17:06	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**10.4**	%	0.10	0.10	1		09/12/22 11:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-2(1) **Lab ID: 40250983004** Collected: 09/06/22 11:05 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**13.1**	mg/kg	4.1	1.2	2	09/21/22 07:15	09/23/22 12:39	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.7**	%	0.10	0.10	1		09/22/22 13:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-2(4) **Lab ID: 40250983005** Collected: 09/06/22 11:10 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**1100**	mg/kg	12.5	3.7	5	09/08/22 06:53	09/09/22 12:50	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**20.9**	%	0.10	0.10	1		09/12/22 11:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-2(7) **Lab ID: 40250983006** Collected: 09/06/22 11:15 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**9.9**	mg/kg	2.4	0.72	1	09/08/22 06:53	09/08/22 17:14	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.0**	%	0.10	0.10	1		09/12/22 11:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-3(1) **Lab ID: 40250983007** Collected: 09/06/22 11:25 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**15.5**	mg/kg	3.8	1.2	2	09/21/22 07:15	09/23/22 12:41	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**2.7**	%	0.10	0.10	1		09/20/22 16:38		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-3(3) **Lab ID: 40250983008** Collected: 09/06/22 11:30 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**875**	mg/kg	4.6	1.4	2	09/08/22 06:53	09/09/22 12:53	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**17.3**	%	0.10	0.10	1		09/12/22 11:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-3(7) **Lab ID: 40250983009** Collected: 09/06/22 11:35 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**8.1**	mg/kg	2.3	0.69	1	09/08/22 06:53	09/08/22 17:18	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.8**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-4(1) **Lab ID: 40250983010** Collected: 09/06/22 11:45 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**16.2**	mg/kg	4.1	1.2	2	09/21/22 07:15	09/23/22 12:44	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.3**	%	0.10	0.10	1		09/20/22 16:38		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-4(4) **Lab ID: 40250983011** Collected: 09/06/22 11:50 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**1160**	mg/kg	2.2	0.66	1	09/08/22 06:53	09/08/22 17:26	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.5**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-4(8) **Lab ID: 40250983012** Collected: 09/06/22 11:55 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**10.4**	mg/kg	2.3	0.70	1	09/08/22 06:53	09/08/22 17:28	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.4**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-5(1) **Lab ID: 40250983013** Collected: 09/06/22 12:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**10.9**	mg/kg	4.0	1.2	2	09/21/22 07:15	09/23/22 12:47	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.1**	%	0.10	0.10	1		09/20/22 16:38		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-5(4) **Lab ID: 40250983014** Collected: 09/06/22 12:05 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**2140**	mg/kg	12.7	3.8	5	09/08/22 06:53	09/09/22 12:55	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**23.5**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-5(7) **Lab ID: 40250983015** Collected: 09/06/22 12:10 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**14.1**	mg/kg	2.4	0.71	1	09/08/22 06:53	09/08/22 17:33	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.1**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-6(1) **Lab ID: 40250983016** Collected: 09/06/22 14:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**332**	mg/kg	9.4	2.8	5	09/21/22 07:15	09/26/22 15:46	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**1.5**	%	0.10	0.10	1		09/20/22 16:38		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-6(3) **Lab ID: 40250983017** Collected: 09/06/22 14:05 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**135**	mg/kg	2.3	0.67	1	09/08/22 06:53	09/08/22 17:35	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**11.9**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-6(7) **Lab ID: 40250983018** Collected: 09/06/22 14:10 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**4.8**	mg/kg	2.2	0.65	1	09/08/22 06:53	09/13/22 14:28	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**9.1**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-7(1) **Lab ID: 40250983019** Collected: 09/06/22 12:15 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**14.4**	mg/kg	3.8	1.1	2	09/21/22 07:15	09/23/22 12:52	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**1.9**	%	0.10	0.10	1		09/20/22 16:39		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-7(4) **Lab ID: 40250983020** Collected: 09/06/22 12:20 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**1590**	mg/kg	2.2	0.65	1	09/08/22 06:53	09/08/22 17:40	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**9.9**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-7(7) **Lab ID: 40250983021** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**57.6**	mg/kg	2.3	0.69	1	09/08/22 06:53	09/08/22 17:43	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**16.1**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-8(1) **Lab ID: 40250983022** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**30.7**	mg/kg	4.0	1.2	2	09/21/22 07:15	09/23/22 12:54	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**1.2**	%	0.10	0.10	1		09/20/22 16:39		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-8(4) **Lab ID: 40250983023** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**41300**	mg/kg	25.4	7.6	10	09/08/22 06:53	09/09/22 12:57	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**26.0**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-8(7) **Lab ID: 40250983024** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**13.4**	mg/kg	2.3	0.68	1	09/08/22 06:53	09/08/22 17:48	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**18.7**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-9(1) **Lab ID: 40250983025** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**173**	mg/kg	2.0	0.59	1	09/21/22 07:15	09/23/22 09:07	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**3.9**	%	0.10	0.10	1		09/20/22 16:39		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-9(3) **Lab ID: 40250983026** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**4.4**	mg/kg	2.3	0.70	1	09/08/22 06:53	09/08/22 17:55	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.5**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-9(7) **Lab ID: 40250983027** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**6.4**	mg/kg	2.2	0.65	1	09/08/22 06:53	09/08/22 17:58	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.6**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-10(1) **Lab ID: 40250983028** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**18.8**	mg/kg	4.1	1.2	2	09/21/22 07:15	09/23/22 13:02	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**2.3**	%	0.10	0.10	1		09/20/22 16:39		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-10(3) **Lab ID: 40250983029** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**145**	mg/kg	2.3	0.70	1	09/08/22 06:53	09/08/22 18:00	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**15.9**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-10(7) **Lab ID: 40250983030** Collected: 09/06/22 00:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**6.3**	mg/kg	2.2	0.66	1	09/08/22 06:53	09/08/22 18:03	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**12.0**	%	0.10	0.10	1		09/12/22 11:23		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-12(1) **Lab ID: 40250983034** Collected: 09/06/22 13:00 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**17.0**	mg/kg	4.0	1.2	2	09/21/22 07:15	09/23/22 13:04	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**2.4**	%	0.10	0.10	1		09/20/22 16:39		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-12(3) **Lab ID: 40250983035** Collected: 09/06/22 13:05 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**120**	mg/kg	2.4	0.73	1	09/21/22 07:15	09/23/22 09:15	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**20.1**	%	0.10	0.10	1		09/20/22 16:39		

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ANALYTICAL RESULTS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Sample: SB-12(7) **Lab ID: 40250983036** Collected: 09/06/22 13:10 Received: 09/07/22 08:10 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
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay								
Lead	**12.3**	mg/kg	2.3	0.68	1	09/21/22 07:15	09/23/22 09:17	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay								
Percent Moisture	**14.2**	%	0.10	0.10	1		09/22/22 12:01		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

QC Batch: 425390
QC Batch Method: EPA 3050B
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40250983002, 40250983003, 40250983005, 40250983006, 40250983008, 40250983009, 40250983011, 40250983012, 40250983014, 40250983015, 40250983017, 40250983018, 40250983020, 40250983021, 40250983023, 40250983024, 40250983026, 40250983027, 40250983029, 40250983030

METHOD BLANK: 2449555
Matrix: Solid
Associated Lab Samples: 40250983002, 40250983003, 40250983005, 40250983006, 40250983008, 40250983009, 40250983011, 40250983012, 40250983014, 40250983015, 40250983017, 40250983018, 40250983020, 40250983021, 40250983023, 40250983024, 40250983026, 40250983027, 40250983029, 40250983030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	09/08/22 16:47	

LABORATORY CONTROL SAMPLE: 2449556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	25	26.9	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2449557 2449558

Parameter	Units	40250983002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	1610	30.4	30.4	836	827	-2530	-2560	75-125	1	20	P6

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

QC Batch: 426533 — Analysis Method: EPA 6010D
QC Batch Method: EPA 3050B — Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40250983001, 40250983004, 40250983007, 40250983010, 40250983013, 40250983016, 40250983019, 40250983022, 40250983025, 40250983028, 40250983034, 40250983035, 40250983036

METHOD BLANK: 2455795 — Matrix: Solid
Associated Lab Samples: 40250983001, 40250983004, 40250983007, 40250983010, 40250983013, 40250983016, 40250983019, 40250983022, 40250983025, 40250983028, 40250983034, 40250983035, 40250983036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	09/23/22 08:17	

LABORATORY CONTROL SAMPLE: 2455796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	25	26.3	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2455797 2455798

Parameter	Units	40251265001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	3.7	25.9	26	29.8	30.2	101	102	75-125	1	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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

QC Batch: 425681
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250983002, 40250983003, 40250983005, 40250983006, 40250983008, 40250983009, 40250983011, 40250983012, 40250983014, 40250983015, 40250983017, 40250983018, 40250983020, 40250983021, 40250983023, 40250983024, 40250983026, 40250983027, 40250983029, 40250983030

SAMPLE DUPLICATE: 2451548

Parameter	Units	40250983018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.1	9.3	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

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

QC Batch: 426496
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40250983007, 40250983010, 40250983013, 40250983016, 40250983019, 40250983022, 40250983025, 40250983028, 40250983034, 40250983035

SAMPLE DUPLICATE: 2455707

Parameter	Units	40251659001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.8	6.8	0	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

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

QC Batch: 426689
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40250983036

SAMPLE DUPLICATE: 2457007

Parameter	Units	40251727001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.6	3.7	5	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

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

QC Batch: 426706
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40250983001, 40250983004

SAMPLE DUPLICATE: 2457079

Parameter	Units	40251830001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.1	4.1	0	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

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

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.

ANALYTE QUALIFIERS

P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

Pace Analytical Services, LLC
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Green Bay, WI 54302
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250983001	**SB-1(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983002	**SB-1(3)**	EPA 3050B	425390	EPA 6010D	425477
40250983003	**SB-1(8)**	EPA 3050B	425390	EPA 6010D	425477
40250983004	**SB-2(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983005	**SB-2(4)**	EPA 3050B	425390	EPA 6010D	425477
40250983006	**SB-2(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983007	**SB-3(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983008	**SB-3(3)**	EPA 3050B	425390	EPA 6010D	425477
40250983009	**SB-3(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983010	**SB-4(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983011	**SB-4(4)**	EPA 3050B	425390	EPA 6010D	425477
40250983012	**SB-4(8)**	EPA 3050B	425390	EPA 6010D	425477
40250983013	**SB-5(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983014	**SB-5(4)**	EPA 3050B	425390	EPA 6010D	425477
40250983015	**SB-5(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983016	**SB-6(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983017	**SB-6(3)**	EPA 3050B	425390	EPA 6010D	425477
40250983018	**SB-6(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983019	**SB-7(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983020	**SB-7(4)**	EPA 3050B	425390	EPA 6010D	425477
40250983021	**SB-7(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983022	**SB-8(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983023	**SB-8(4)**	EPA 3050B	425390	EPA 6010D	425477
40250983024	**SB-8(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983025	**SB-9(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983026	**SB-9(3)**	EPA 3050B	425390	EPA 6010D	425477
40250983027	**SB-9(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983028	**SB-10(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983029	**SB-10(3)**	EPA 3050B	425390	EPA 6010D	425477
40250983030	**SB-10(7)**	EPA 3050B	425390	EPA 6010D	425477
40250983034	**SB-12(1)**	EPA 3050B	426533	EPA 6010D	426611
40250983035	**SB-12(3)**	EPA 3050B	426533	EPA 6010D	426611
40250983036	**SB-12(7)**	EPA 3050B	426533	EPA 6010D	426611
40250983001	**SB-1(1)**	ASTM D2974-87	426706		
40250983002	**SB-1(3)**	ASTM D2974-87	425681		
40250983003	**SB-1(8)**	ASTM D2974-87	425681		
40250983004	**SB-2(1)**	ASTM D2974-87	426706		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58217147/LOEB-LORMAN SCRAPYARD
Pace Project No.: 40250983

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40250983005	**SB-2(4)**	ASTM D2974-87	425681		
40250983006	**SB-2(7)**	ASTM D2974-87	425681		
40250983007	**SB-3(1)**	ASTM D2974-87	426496		
40250983008	**SB-3(3)**	ASTM D2974-87	425681		
40250983009	**SB-3(7)**	ASTM D2974-87	425681		
40250983010	**SB-4(1)**	ASTM D2974-87	426496		
40250983011	**SB-4(4)**	ASTM D2974-87	425681		
40250983012	**SB-4(8)**	ASTM D2974-87	425681		
40250983013	**SB-5(1)**	ASTM D2974-87	426496		
40250983014	**SB-5(4)**	ASTM D2974-87	425681		
40250983015	**SB-5(7)**	ASTM D2974-87	425681		
40250983016	**SB-6(1)**	ASTM D2974-87	426496		
40250983017	**SB-6(3)**	ASTM D2974-87	425681		
40250983018	**SB-6(7)**	ASTM D2974-87	425681		
40250983019	**SB-7(1)**	ASTM D2974-87	426496		
40250983020	**SB-7(4)**	ASTM D2974-87	425681		
40250983021	**SB-7(7)**	ASTM D2974-87	425681		
40250983022	**SB-8(1)**	ASTM D2974-87	426496		
40250983023	**SB-8(4)**	ASTM D2974-87	425681		
40250983024	**SB-8(7)**	ASTM D2974-87	425681		
40250983025	**SB-9(1)**	ASTM D2974-87	426496		
40250983026	**SB-9(3)**	ASTM D2974-87	425681		
40250983027	**SB-9(7)**	ASTM D2974-87	425681		
40250983028	**SB-10(1)**	ASTM D2974-87	426496		
40250983029	**SB-10(3)**	ASTM D2974-87	425681		
40250983030	**SB-10(7)**	ASTM D2974-87	425681		
40250983034	**SB-12(1)**	ASTM D2974-87	426496		
40250983035	**SB-12(3)**	ASTM D2974-87	426496		
40250983036	**SB-12(7)**	ASTM D2974-87	426689		

CHAIN-OF-CUSTODY Analytical Request Document

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Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 42509983

ALL SHADED AREAS are for LAB USE ONLY

Company: Terracon	Billing Information:
Address: 9856 S 57th St	
Report To: Tim Welch	Email To: Tim Welch
Copy To: Ryan Johnson	Site Collection Info/Address:
Customer Project Name/Number: S8217147 / Lodi-Loman Scrapyard	State: WI / County/City: Fort Atkinson / Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: / Email:	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Ryan Johnson	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: STD - 5 day / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis: _____

Container Preservative Type **: U, ★

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Lead	Analyses: Hold ★	Lab Profile/Line
SB-1(1)	SL	G	9/6/22	1045	---				X	X	001
SB-1(3)				1050					X		002
SB-1(8)				1055					X		~~002~~ mlt 9/7/22 003
SB-2(1)				1105					X	X	004
SB-2(4)				1110					X		005
SB-2(7)				1115					X		006
SB-3(1)				1125					X	X	007
SB-3(3)				1130					X		008
SB-3(7)				1135					X		009
SB-4(1)				1145					X	X	010

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:
See Hold Samples
Wet lab analyses

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 1

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2825196

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 1

	Date/Time		Date/Time
Relinquished by/Company: (Signature)	1600 9/6/22	Received by/Company: (Signature)	
Relinquished by/Company: (Signature) CS Logistics	9/7/22 0810	Received by/Company: (Signature)	9/7/22 0810
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40250983

ALL SHADED AREAS are for LAB USE ONLY

Company: Terracon	Billing Information:
Address:	
Report To: SAME AS	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Page 1	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: 4 A

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: Lead; Hold

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lead	Hold	Lab Sample # / Comments
SB-4 (4)	SL	G	9/6/22	1150					X		011
SB-4 (8)				1155					X		012
SB-5 (1)				1200					X	X	013
SB-5 (4)				1205					X		014
SB-5 (7)				1210					X		015
SB-6 (1)				1400					X	X	016
SB-6 (3)				1405					X		017
SB-6 (7)				1410					X		018
SB-7 (1)				1215					X	X	019
SB-7 (4)				1220					X		020

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 1

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2828753

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments: 1

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9/6/22 1600		
CS Logistics	9/7/22 0810		9/7/22 0810

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

CHAIN-OF-CUSTODY Analytical Request Document

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ALL SHADED AREAS are for LAB USE ONLY

Company:	Billing Information:
Address: SAME	
Report To:	Email To: GS
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Page	State: NJ County/City: / Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: U, A

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses: Lead; Hold ☆

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
SB-7(7)	SL	G	9/6/22						021
SB-8(1)									022
SB-8(4)									023
SB-8(7)									024
SB-9(1)									025
SB-9(3)									026
SB-9(7)									027
SB-10(1)									028
SB-10(3)									029
SB-10(7)									030

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2828754

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: ____oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 9/6/22 1600	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) CJ Logistics	Date/Time: 9/7/22 0800	Received by/Company: (Signature)	Date/Time: 9/7/22 0800
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 3 of: 4

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40250983

ALL SHADED AREAS are for LAB USE ONLY

Company:	Billing Information:
Address: SAME	
Report To:	Email To:
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: Page	State: County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email:	Site/Facility ID#: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print):	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **: H A

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Lead	Analyses: H	Lab Profile/Line
SB-11 (1)	SL	G	9/6/22	1345					X	X	031
SB-11 (2)	"	"	"	1350					X	X	032
SB-11 (7)	"	"	"	1355					X	X	033
SB-12 (1)	"	"	"	1300					X	X	034
SB-12 (3)	"	"	"	1305					X	X	035
SB-12 (7)	"	"	"	1310					X	X	036

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2828755

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: _____oC
Cooler 1 Therm Corr. Factor: _____oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9/6/22 1600		
CS Logistics	9/7/22 0810		9/7/22 0810

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 4 of: 4

Sample Preservation Receipt Form

Client Name: Terracon Project # 40250983

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 ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																																		2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, 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	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Preservation Receipt Form

Client Name: Terracon Project #: 40250983

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
021																																		2.5 / 5
022																																		2.5 / 5
023																																		2.5 / 5
024																																		2.5 / 5
025																																		2.5 / 5
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039																																		2.5 / 5
040																																		2.5 / 5
041																																		2.5 / 5
042																																		2.5 / 5
043					mH 9/7/22																													2.5 / 5
044																																		2.5 / 5
045																																		2.5 / 5
046																																		2.5 / 5
047																																		2.5 / 5
048																																		2.5 / 5

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40250983

40250983

Client Name: Terracon

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☐ Client ☐ Pace Other: _____

Tracking #: _____

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 - 120 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0 /Corr: 0

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 if shipped on Dry Ice.

Person examining contents:
Date: 9/1/22 /Initials: mlt

Labeled By Initials: TP

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
- DI VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☐No ☑N/A				8.
Correct Containers Used:	☑Yes	☐No		9.
Correct Type: (Pace Green Bay), Pace IR, Non-Pace				
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☐Yes	☑No	☐N/A	12. NO date or time mlt 9/7/22
-Includes date/time/ID/Analysis Matrix: S				
Trip Blank Present:	☐Yes	☐No	☑N/A	13.
Trip Blank Custody Seals Present	☐Yes	☐No	☑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: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi