Haley Griffith (adpce.ad)

From: craig.cothron@pacelabs.com
Sent: Monday, July 15, 2024 10:51 AM
To: lefuerschbach@aep.com; gwreports@adeq.state.ar.us
Subject: Pace Analytical National Level II Report for Turk L1751436
Attachments: L1751436.pdf

Importance: High

"Privileged and Confidential"

Thank you for choosing Pace National!

Please find enclosed PDF report containing your laboratory analysis and chain of custody.

Pace Analytical® is the first commercial laboratory in the US to offer testing of wastewater for SARS-COV2 (the virus that causes COVID-19).
https://www.pacelabs.com/environmental-sciences/testing-services/specialty-services/covid-19-wastewater-testing.html

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Craig Cothron
Project Manager
615-773-9664
craig.cothron@pacelabs.com

Pace Analytical National
12065 Lebanon Rd
Mount Juliet, TN 37122
mydata.pacelabs.com

Recipients configured to receive report file: lefuerschbach@aep.com, gwreports@adeq.state.ar.us

 Please consider the environment before printing this email

ANALYTICAL REPORT

July 15, 2024

American Electric Power - AR

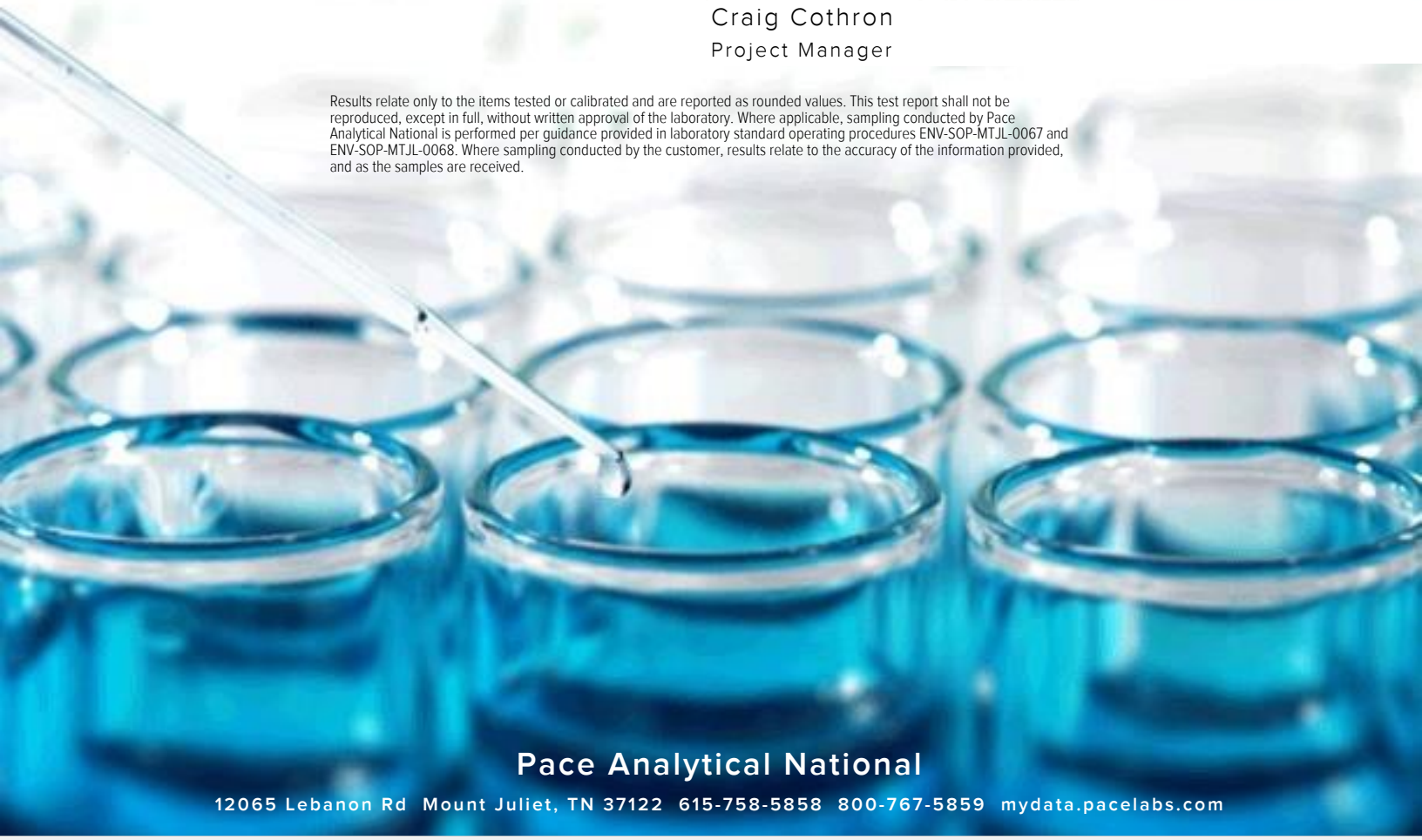
Sample Delivery Group:	L1751436
Samples Received:	06/27/2024
Project Number:	
Description:	Turk

Report To:

Ms. Leslie Fuerschbach
502 N. Allen Ave.
Shreveport, LA 71101

Entire Report Reviewed By:

Craig Cothron
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

MW-1 L1751436-01 GW

Collected by: KM/MH | Collected date/time: 06/25/24 09:08 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-2 L1751436-02 GW

Collected by: KM/MH | Collected date/time: 06/25/24 10:28 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-3 L1751436-03 GW

Collected by: KM/MH | Collected date/time: 06/25/24 10:52 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-4 L1751436-04 GW

Collected by: KM/MH | Collected date/time: 06/25/24 10:10 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-5 L1751436-05 GW

Collected by: KM/MH | Collected date/time: 06/25/24 11:09 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-6 L1751436-06 GW

Collected by: KM/MH | Collected date/time: 06/25/24 11:26 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-7 L1751436-07 GW

Collected by: KM/MH | Collected date/time: 06/25/24 09:40 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-78 L1751436-08 GW

Collected by: KM/MH | Collected date/time: 06/25/24 09:08 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-9 L1751436-09 GW

Collected by: KM/MH | Collected date/time: 06/25/24 08:45 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-10 L1751436-10 GW

Collected by: KM/MH | Collected date/time: 06/25/24 10:45 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

MW-11 L1751436-11 GW

Collected by: KM/MH | Collected date/time: 06/25/24 11:20 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

LEACHATE POND L1751436-12 GW

Collected by: KM/MH | Collected date/time: 06/25/24 11:11 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

DUPLICATE L1751436-13 GW

Collected by: KM/MH | Collected date/time: 06/25/24 12:30 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

ACID BLANK L1751436-14 GW

Collected by: KM/MH | Collected date/time: 06/25/24 12:15 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

EQUIPMENT BLANK L1751436-15 GW

Collected by: KM/MH | Collected date/time: 06/25/24 09:40 | Received date/time: 06/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Subcontracted Analyses	WG2314166	1	07/11/24 00:00	07/11/24 00:00	-	St. Rose, LA 70087

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron
Project Manager

Project Narrative

L1751436 -01, -02, -03, -04, -05, -06, -07, -08, -09, -10, -11, -12, -13, -14, -15 contains subout data that is included after the chain of custody.

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

SDG	Sample Delivery Group.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
American Electric Power - AR

502 N. Allen Ave.
Shreveport, LA 71101

Billing Information:
Attn: AEP Accounts Payable
PO Box 24400
Canton, OH 44701-4400

Pres Chk

Report to:
Ms. Leslie Fuerschbach

Email To:
lefuerschbach@aep.com;gwreports@adeq.state

Project Description:
Turk

City/State Collected:

Please Circle: PT MT CT ET

Phone: **318-673-2721**

Client Project #

Lab Project #
AEPTURKAR-TURK

Collected by (print):
KENNY MCDONALD / MATT HAMILTON

Site/Facility ID #

P.O. #
2879700

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ACIDITY 250mlHDPE-NoPres	ALK 125mlHDPE-NoPres	CL/F/SO4 125mlHDPE-NoPres	Dissolved Metals 250mlHDPE-NoPres	Metals 250mlHDPE-HNO3	SUBW6020(Tungsten) 250mlHDPE-HNO3	TDS 250mlHDPE-NoPres	TSS 1L-HDPE NoPres			Remarks	Sample # (lab only)
MW-1	GRAB	GW		06/25/24	0908	8	X	X	X	X	X	X	X	X				-01
MW-2	GRAB	GW		06/25/24	1028	8	X	X	X	X	X	X	X	X				-02
MW-3	GRAB	GW		06/25/24	1052	8	X	X	X	X	X	X	X	X				-03
MW-4	GRAB	GW		06/25/24	1010	8	X	X	X	X	X	X	X	X				-04
MW-5	GRAB	GW		06/25/24	1109	8	X	X	X	X	X	X	X	X				-05
MW-6	GRAB	GW		06/25/24	1126	8	X	X	X	X	X	X	X	X				-06
MW-7	GRAB	GW		06/25/24	0940	8	X	X	X	X	X	X	X	X				-07
MW-8	GRAB	GW		06/25/24	0908	8	X	X	X	X	X	X	X	X				-08
MW-9	GRAB	GW		06/25/24	0845	8	X	X	X	X	X	X	X	X				-09
MW-10	GRAB	GW		06/25/24	1045	8	X	X	X	X	X	X	X	X				-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # Multi

Relinquished by : (Signature)
Date: 06/26/24 Time: 1400
Received by: (Signature)

Relinquished by : (Signature)
Date: Time:
Received by: (Signature)

Relinquished by : (Signature)
Date: Time:
Received for lab by: (Signature)
Date: 6/27/24 Time: 0900

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: Multi °C Bottles Received: 120

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1751430
Table H146

Acctnum: **AEPTURKAR**
Template: **T124567**
Prelogin: **P1081483**
PM: **034 - Craig Cothron**
PB: BF 6/8/24
Shipped Via: **FedEX Ground**

Chain of Custody Page 2 of 2

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MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # U751436

Table #

Acctnum: AEPTURKAR

Template: T124567

Prelogin: P1081483

PM: 034 - Craig Cothron

PB: BF 6/8/24

Shipped Via: FedEx Ground

Company Name/Address:
American Electric Power - AR

502 N. Allen Ave.
Shreveport, LA 71101

Billing Information:
Attn: AEP Accounts Payable
PO Box 24400
Canton, OH 44701-4400

Pres Chk

Report to:
Ms. Leslie Fuerschbach

Email To:
lefuerschbach@aep.com;gwreports@adeq.state

Project Description:
Turk

City/State Collected:

Please Circle: PT MT CT ET

Phone: 318-673-2721

Client Project #

Lab Project #
AEPTURKAR-TURK

Collected by (print):
KENNY MCDONALD / MATT HAMILTON

Site/Facility ID #

P.O. #
2879700

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	ACIDITY 250mlHDPE-NoPres	ALK 125mlHDPE-NoPres	CL/F/SO4 125mlHDPE-NoPres	Dissolved Metals 250mlHDPE-NoPres	Metals 250mlHDPE-HNO3	SUBW6020(Tungsten) 250mlHDPE-HNO3	TDS 250mlHDPE-NoPres	TSS 1L-HDPE NoPres			Remarks	Sample # (lab only)
MW-11	GRAB	GW		06/25/24	1120	8	X	X	X	X	X	X	X	X				-11
LEACHATE POND	GRAB	GW		06/25/24	1111	8	X	X	X	X	X	X	X	X				-12
DUPLICATE	GRAB	GW		06/25/24	1230	8	X	X	X	X	X	X	X	X				-13
ACID BLANK	GRAB	GW		06/25/24	1215	8	X	X	X	X	X	X	X	X				-14
EQUIPMENT BLANK	GRAB	GW		06/25/24	0940	8	X	X	X	X	X	X	X	X				-15

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # MULTI

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:			
Relinquished by : (Signature)	06/26/24	1400	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: MULTI °C Bottles Received: 120	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) Easton Organ	Date: 6/27/24 Time: 0910	Hold: Condition: NCF / OK

L75K436

Tracking Numbers	Temperature
~~7464~~ 7464 0895 4574	2.6 ±0.3 = 2.9 EDT
7464 0895 4574	1.8 ±0.3 = 2.1 EDT
7464 0895 4530	1.9 ±0.3 = 2.2 EDT
7464 0895 4552	2.8 ±0.3 = 3.1 EDT
7464 0895 4541	1.1 ±0.3 = 1.4 EDT

Easton Organ
Name

6/28/24
Date

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

July 12, 2024

Jimmy Huckaba
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122

RE: Project: WG2314166 / L1751436
Pace Project No.: 20322394

Dear Jimmy Huckaba:

Enclosed are the analytical results for sample(s) received by the laboratory on June 29, 2024. 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 - New Orleans

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

Sincerely,

Devin McDougal
devin.mcdougal@pacelabs.com
(225) 769-4900
Project Manager

Enclosures

cc: Jimmie Huckaba, Pace National
SuboutTeam, Pace National

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

CERTIFICATIONS

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

SAMPLE SUMMARY

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20322394001	**L1751436-01**	Water	06/25/24 09:08	06/29/24 08:35
20322394002	**L1751436-02**	Water	06/25/24 10:28	06/29/24 08:35
20322394003	**L1751436-03**	Water	06/25/24 10:52	06/29/24 08:35
20322394004	**L1751436-04**	Water	06/25/24 10:10	06/29/24 08:35
20322394005	**L1751436-05**	Water	06/25/24 11:09	06/29/24 08:35
20322394006	**L1751436-06**	Water	06/25/24 11:26	06/29/24 08:35
20322394007	**L1751436-07**	Water	06/25/24 09:40	06/29/24 08:35
20322394008	**L1751436-08**	Water	06/25/24 09:08	06/29/24 08:35
20322394009	**L1751436-09**	Water	06/25/24 08:45	06/29/24 08:35
20322394010	**L1751436-10**	Water	06/25/24 10:45	06/29/24 08:35
20322394011	**L1751436-11**	Water	06/25/24 11:20	06/29/24 08:35
20322394012	**L1751436-12**	Water	06/25/24 11:11	06/29/24 08:35
20322394013	**L1751436-13**	Water	06/25/24 12:30	06/29/24 08:35
20322394014	**L1751436-14**	Water	06/25/24 12:15	06/29/24 08:35
20322394015	**L1751436-15**	Water	06/25/24 09:40	06/29/24 08:35

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

SAMPLE ANALYTE COUNT

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20322394001	**L1751436-01**	EPA 6020A	AJS	1
20322394002	**L1751436-02**	EPA 6020A	AJS	1
20322394003	**L1751436-03**	EPA 6020A	AJS	1
20322394004	**L1751436-04**	EPA 6020A	AJS	1
20322394005	**L1751436-05**	EPA 6020A	AJS	1
20322394006	**L1751436-06**	EPA 6020A	AJS	1
20322394007	**L1751436-07**	EPA 6020A	AJS	1
20322394008	**L1751436-08**	EPA 6020A	AJS	1
20322394009	**L1751436-09**	EPA 6020A	AJS	1
20322394010	**L1751436-10**	EPA 6020A	AJS	1
20322394011	**L1751436-11**	EPA 6020A	AJS	1
20322394012	**L1751436-12**	EPA 6020A	AJS	1
20322394013	**L1751436-13**	EPA 6020A	AJS	1
20322394014	**L1751436-14**	EPA 6020A	AJS	1
20322394015	**L1751436-15**	EPA 6020A	AJS	1

PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

PROJECT NARRATIVE

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: PACE_ANALYTICAL NATIONAL CENTER FOR TESTING AND INNOVATION
Date: July 12, 2024

General Information:
15 samples were analyzed for EPA 6020A by Pace Analytical Services New Orleans. 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 3010 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.

Internal Standards:
All internal standards were within QC limits 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:

Analyte Comments:

QC Batch: 334364

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.

- BLANK (Lab ID: 1604268)
  - Tungsten
- L1751436-01 (Lab ID: 20322394001)
  - Tungsten
- L1751436-02 (Lab ID: 20322394002)
  - Tungsten
- L1751436-03 (Lab ID: 20322394003)
  - Tungsten

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: PACE_ANALYTICAL NATIONAL CENTER FOR TESTING AND INNOVATION
Date: July 12, 2024

Analyte Comments:

QC Batch: 334364

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.

- L1751436-04 (Lab ID: 20322394004)
  - Tungsten
- L1751436-05 (Lab ID: 20322394005)
  - Tungsten
- L1751436-06 (Lab ID: 20322394006)
  - Tungsten
- L1751436-07 (Lab ID: 20322394007)
  - Tungsten
- L1751436-08 (Lab ID: 20322394008)
  - Tungsten
- L1751436-09 (Lab ID: 20322394009)
  - Tungsten
- L1751436-10 (Lab ID: 20322394010)
  - Tungsten
- L1751436-11 (Lab ID: 20322394011)
  - Tungsten
- L1751436-12 (Lab ID: 20322394012)
  - Tungsten
- L1751436-13 (Lab ID: 20322394013)
  - Tungsten
- L1751436-14 (Lab ID: 20322394014)
  - Tungsten
- L1751436-15 (Lab ID: 20322394015)
  - Tungsten
- LCS (Lab ID: 1604269)
  - Tungsten
- MS (Lab ID: 1604270)
  - Tungsten
- MSD (Lab ID: 1604271)
  - Tungsten

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

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ANALYTICAL RESULTS

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Sample: L1751436-01 **Lab ID: 20322394001** Collected: 06/25/24 09:08 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 19:58	7440-33-7	N2

Sample: L1751436-02 **Lab ID: 20322394002** Collected: 06/25/24 10:28 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 17:02	7440-33-7	N2

Sample: L1751436-03 **Lab ID: 20322394003** Collected: 06/25/24 10:52 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 17:14	7440-33-7	N2

Sample: L1751436-04 **Lab ID: 20322394004** Collected: 06/25/24 10:10 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 17:26	7440-33-7	N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

ANALYTICAL RESULTS

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Sample: L1751436-05 **Lab ID: 20322394005** Collected: 06/25/24 11:09 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 17:38	7440-33-7	N2

Sample: L1751436-06 **Lab ID: 20322394006** Collected: 06/25/24 11:26 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 17:49	7440-33-7	N2

Sample: L1751436-07 **Lab ID: 20322394007** Collected: 06/25/24 09:40 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 18:01	7440-33-7	N2

Sample: L1751436-08 **Lab ID: 20322394008** Collected: 06/25/24 09:08 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 18:13	7440-33-7	N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

ANALYTICAL RESULTS

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Sample: L1751436-09 **Lab ID: 20322394009** Collected: 06/25/24 08:45 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 18:24	7440-33-7	N2

Sample: L1751436-10 **Lab ID: 20322394010** Collected: 06/25/24 10:45 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	**1.1**	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 18:36	7440-33-7	N2

Sample: L1751436-11 **Lab ID: 20322394011** Collected: 06/25/24 11:20 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 18:59	7440-33-7	N2

Sample: L1751436-12 **Lab ID: 20322394012** Collected: 06/25/24 11:11 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	**107**	ug/L	5.0	1.8	5	07/08/24 10:02	07/11/24 14:27	7440-33-7	N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Sample: L1751436-13 **Lab ID: 20322394013** Collected: 06/25/24 12:30 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	**0.39J**	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 19:23	7440-33-7	N2

Sample: L1751436-14 **Lab ID: 20322394014** Collected: 06/25/24 12:15 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 19:34	7440-33-7	N2

Sample: L1751436-15 **Lab ID: 20322394015** Collected: 06/25/24 09:40 Received: 06/29/24 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Initial Volume/Weight: 25 mL Final Volume/Weight: 25 mL Pace Analytical Services - New Orleans								
Tungsten	ND	ug/L	1.0	0.37	1	07/08/24 10:02	07/10/24 19:46	7440-33-7	N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7979 Innovation Park Drive
Baton Rouge, LA 70820
(225) 769-4900

QUALITY CONTROL DATA

Project: WG2314166 / L1751436
Pace Project No.: 20322394

QC Batch: 334364
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20322394001, 20322394002, 20322394003, 20322394004, 20322394005, 20322394006, 20322394007, 20322394008, 20322394009, 20322394010, 20322394011, 20322394012, 20322394013, 20322394014, 20322394015

METHOD BLANK: 1604268
Matrix: Water
Associated Lab Samples: 20322394001, 20322394002, 20322394003, 20322394004, 20322394005, 20322394006, 20322394007, 20322394008, 20322394009, 20322394010, 20322394011, 20322394012, 20322394013, 20322394014, 20322394015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tungsten	ug/L	ND	1.0	0.37	07/10/24 14:31	N2

LABORATORY CONTROL SAMPLE: 1604269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tungsten	ug/L	60	61.8	103	80-120	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1604270 1604271

Parameter	Units	20322394001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tungsten	ug/L	ND	60	60	64.0	63.5	107	106	75-125	1	20	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

Pace Analytical Services, LLC
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Baton Rouge, LA 70820
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QUALIFIERS

Project: WG2314166 / L1751436
Pace Project No.: 20322394

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The Nelac Institute

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.

Pace Analytical Services, LLC
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Baton Rouge, LA 70820
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WG2314166 / L1751436
Pace Project No.: 20322394

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20322394001	**L1751436-01**	EPA 3010	334364	EPA 6020A	334425
20322394002	**L1751436-02**	EPA 3010	334364	EPA 6020A	334425
20322394003	**L1751436-03**	EPA 3010	334364	EPA 6020A	334425
20322394004	**L1751436-04**	EPA 3010	334364	EPA 6020A	334425
20322394005	**L1751436-05**	EPA 3010	334364	EPA 6020A	334425
20322394006	**L1751436-06**	EPA 3010	334364	EPA 6020A	334425
20322394007	**L1751436-07**	EPA 3010	334364	EPA 6020A	334425
20322394008	**L1751436-08**	EPA 3010	334364	EPA 6020A	334425
20322394009	**L1751436-09**	EPA 3010	334364	EPA 6020A	334425
20322394010	**L1751436-10**	EPA 3010	334364	EPA 6020A	334425
20322394011	**L1751436-11**	EPA 3010	334364	EPA 6020A	334425
20322394012	**L1751436-12**	EPA 3010	334364	EPA 6020A	334425
20322394013	**L1751436-13**	EPA 3010	334364	EPA 6020A	334425
20322394014	**L1751436-14**	EPA 3010	334364	EPA 6020A	334425
20322394015	**L1751436-15**	EPA 3010	334364	EPA 6020A	334425

18541/29

Sub-Contract Chain of Custody

Batch Date/Time: 06/28/24 14:06
Sub-Contract Lab: PACESRLA
Address: 1000 Riverbend Blvd Suite F
City/State: St. Rose, LA 70087
Contact:
devin.mcdougal@pacelabs.com
Owner Lab: PACEMTJL
Address: 12065 Lebanon Rd.
City/State: Mt. Juliet, TN 37122
Phone: (615) 773-9756
Fax: (615) 758-5859

WO: WG2314166
Email: MTJLSuboutTeam@pacelabs.com
Results Due Date: 07/12/24
ESC Purchase Order #: L1751436
Send Reports to: Angela Ford

Pace Analytical®

12065 Lebanon Rd.
Mt. Juliet, TN 37122
Phone:(615) 773-9756
Fax:(615) 758-5859

Sample ID Container ID	Matrix	State	Collect Date	Description	Sample Number Lab Use Only	Sample Comments Lab Use Only
MW-1	GW	AR	06/25/24 09:08	Tungsten by 6020	1. L1751436-01	
MW-2	GW	AR	06/25/24 10:28	Tungsten by 6020	2. L1751436-02	
MW-3	GW	AR	06/25/24 10:52	Tungsten by 6020	3. L1751436-03	
MW-4	GW	AR	06/25/24 10:10	Tungsten by 6020	4. L1751436-04	
MW-5	GW	AR	06/25/24 11:09	Tungsten by 6020	5. L1751436-05	
MW-6	GW	AR	06/25/24 11:26	Tungsten by 6020	6. L1751436-06	
MW-7	GW	AR	06/25/24 09:40	Tungsten by 6020	7. L1751436-07	
MW-78	GW	AR	06/25/24 09:08	Tungsten by 6020	8. L1751436-08	
MW-9	GW	AR	06/25/24 08:45	Tungsten by 6020	9. L1751436-09	
MW-10	GW	AR	06/25/24 10:45	Tungsten by 6020	10. L1751436-10	
MW-11	GW	AR	06/25/24 11:20	Tungsten by 6020	11. L1751436-11	
LEACHATE POND	GW	AR	06/25/24 11:11	Tungsten by 6020	12. L1751436-12	
DUPLICATE	GW	AR	06/25/24 12:30	Tungsten by 6020	13. L1751436-13	
ACID BLANK	GW	AR	06/25/24 12:15	Tungsten by 6020	14. L1751436-14	
EQUIPMENT BLANK	GW	AR	06/25/24 09:40	Tungsten by 6020	15. L1751436-15	

*= Container used for multiple Samples and/or Analyses

Relinquished by: _____ Date 6-28-24
Recieved by: Fedex Date _____
Relinquished by: Fedex Date 06/28/24
Recieved by: [illegible] Date 06/28/24 835

33° AMB°

7315 3208 0575

WO# : 20322394

20322394

Pace

Sample Condition Upon

WO#: 20322394

PM: DRM Due Date: 07/16/24

CLIENT: BR-PACE PAN

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date: JMB / 7/2/2024

Means of receipt: ☐ Pace ☐ Client ☐ UPS ☑ FedEx ☐ Other:				
☑ Yes	☐ No	☐ NA	Were custody seals present on the cooler?	
☑ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?	

Method: ☐ Temperature Blank ☐ Against Bottles IR Gun ID: _____ IR Gun Correction Factor: _____ °C

Cooler #1	Cooler Temp °C: _____ (Actual/True)	Samples on ice ☐ Yes ☑ No	pH Strip Lot # 2010623
Cooler #2	Cooler Temp °C: _____ (Actual/True)		
Cooler #3	Cooler Temp °C: _____ (Actual/True)	Method of coolant: ☐ Wet ☐ Ice Packs ☐ Dry Ice ☑ None	
Cooler #4	Cooler Temp °C: _____ (Actual/True)		

Tracking #: 7315 3208 0575

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☐ Yes	☑ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes (JMB)	☐ No	☑ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☐ Yes	☑ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☐ Yes	☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☑ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☑ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO3_____ H2SO4 _____ NaOH_____ Date: _____ Time:_____

Comments: