

PO&G Resources - Houston, TX

Sample Delivery Group: L1904119
Samples Received: 09/06/2025
Project Number:
Description: HRMU 7
Site: HRMU 7
Report To: Rick Eggleston
5487 San Felipe Ste 3200
Houston, TX 77057

Entire Report Reviewed By:



Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

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

TABLE OF CONTENTS

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	³ Ss
HRMU7BG2-24 L1904119-01	5	
HRMU7BG2-36 L1904119-02	6	⁴ Cn
Qc: Quality Control Summary	7	⁵ Sr
Metals (ICPMS) by Method 6020B	7	
Gl: Glossary of Terms	9	⁶ Qc
Al: Accreditations & Locations	10	⁷ Gl
Sc: Sample Chain of Custody	11	⁸ Al
		⁹ Sc

SAMPLE SUMMARY

HRMU7BG2-24 L1904119-01

Collected by: Rick Eggleston
 Collected date/time: 09/04/25 12:16
 Received date/time: 09/06/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2598015	1	09/10/25 17:07	09/24/25 21:54	JPD	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

HRMU7BG2-36 L1904119-02

Collected by: Rick Eggleston
 Collected date/time: 09/04/25 12:18
 Received date/time: 09/06/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG2598015	1.09	09/10/25 17:07	09/25/25 01:21	JPD	Mt. Juliet, TN

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.



Mark W. Beasley
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.45		0.100	1	09/24/2025 21:54	WG2598015
Barium	264		10.0	1	09/24/2025 21:54	WG2598015
Cadmium	0.191		0.100	1	09/24/2025 21:54	WG2598015
Copper	ND		10.0	1	09/24/2025 21:54	WG2598015
Lead	ND		10.0	1	09/24/2025 21:54	WG2598015
Nickel	11.0		10.0	1	09/24/2025 21:54	WG2598015
Selenium	0.354		0.100	1	09/24/2025 21:54	WG2598015
Silver	ND		0.500	1	09/24/2025 21:54	WG2598015
Zinc	ND		50.0	1	09/24/2025 21:54	WG2598015
Chromium	15.1		0.200	1	09/24/2025 21:54	WG2598015

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Metals (ICPMS) by Method 6020B

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.77		0.109	1.09	09/25/2025 01:21	WG2598015
Barium	262		10.9	1.09	09/25/2025 01:21	WG2598015
Cadmium	0.158		0.109	1.09	09/25/2025 01:21	WG2598015
Copper	ND		10.9	1.09	09/25/2025 01:21	WG2598015
Lead	ND		10.9	1.09	09/25/2025 01:21	WG2598015
Nickel	11.3		10.9	1.09	09/25/2025 01:21	WG2598015
Selenium	0.399		0.109	1.09	09/25/2025 01:21	WG2598015
Silver	ND		0.545	1.09	09/25/2025 01:21	WG2598015
Zinc	ND		54.5	1.09	09/25/2025 01:21	WG2598015
Chromium	15.8		0.218	1.09	09/25/2025 01:21	WG2598015

- 1 Cp
- 2 Tc
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Method Blank (MB)

(MB) R4278297-1 09/24/25 21:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.100	0.100
Barium	U		10.0	10.0
Cadmium	U		0.100	0.100
Copper	U		10.0	10.0
Lead	U		10.0	10.0
Nickel	U		10.0	10.0
Selenium	U		0.100	0.100
Silver	U		0.500	0.500
Zinc	U		50.0	50.0
Chromium	U		0.200	0.200

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

Laboratory Control Sample (LCS)

(LCS) R4278297-2 09/24/25 21:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	98.2	98.2	80.0-120	
Barium	100	99.2	99.2	80.0-120	
Cadmium	100	100	100	80.0-120	
Copper	100	95.7	95.7	80.0-120	
Lead	100	96.2	96.2	80.0-120	
Nickel	100	100	100	80.0-120	
Selenium	100	98.3	98.3	80.0-120	
Silver	20.0	21.9	109	80.0-120	
Zinc	100	96.3	96.3	80.0-120	
Chromium	100	97.0	97.0	80.0-120	

⁷Gl

⁸Al

⁹Sc

L1895754-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1895754-01 09/24/25 21:54 • (MS) R4278297-5 09/24/25 22:03 • (MSD) R4278297-6 09/24/25 22:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	4.45	106	98.0	102	93.6	1	75.0-125			8.12	20
Barium	100	264	346	388	82.6	124	1	75.0-125			11.3	20
Cadmium	100	0.191	103	95.1	103	94.9	1	75.0-125			8.39	20
Copper	100	ND	107	97.3	97.4	88.0	1	75.0-125			9.25	20
Lead	100	ND	107	97.0	98.6	88.4	1	75.0-125			9.94	20
Nickel	100	11.0	113	104	102	93.2	1	75.0-125			8.28	20
Selenium	100	0.354	102	98.3	102	97.9	1	75.0-125			3.92	20

L1895754-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1895754-01 09/24/25 21:54 • (MS) R4278297-5 09/24/25 22:03 • (MSD) R4278297-6 09/24/25 22:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver	20.0	ND	21.9	20.9	109	104	1	75.0-125			4.70	20
Zinc	100	ND	137	127	100	89.8	1	75.0-125	<u>J5</u>	<u>J5</u>	7.77	20

- 1 Cp
- 2 Tc
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- 4 Cn
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- 9 Sc

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.

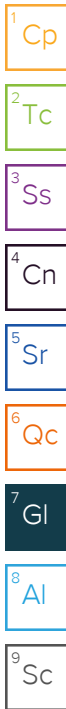
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
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

J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
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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	LA000356
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1904119

R0/R1

L1895754 *POGHTX* relog - CR6ICCO OOH tonight

Relog L1895754-01 and -02 for AGGCO, ASGCO, BAGCO, CDGCO, CUGCO, NIGCO, PBGCO, SEGCO, ZNGCO, & CR6ICCO. Place GCO metals into WG2598015.

Sarah/DJ/Shanon - These CR6ICCO go OOH tonight... please prep asap.

Metals - Recapture old GCO data.

Thanks

Mark Beasley

Manager – Client Operations / National

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mark.beasley@pacelabs.com <mailto:mark.beasley@pacelabs.com>

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Time estimate: oh

Time spent: oh

Members

MB Mark Beasley (responsible)