

4/22/2022

Cherokee Concerned Citizens
Ms. Jennifer Crosslin
1502 Cherokee Dr.
Pascagoula, MS, 39581

Ref: Analytical Testing
Lab Report Number: 22-102-0027
Client Project Description: Metals Analysis

Dear Ms. Jennifer Crosslin:
Waypoint Analytical Mississippi, Inc. received sample(s) on 4/12/2022 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Brian Herrington
Technical Director

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.



Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2023
Arkansas	State Program	88-0650	02/07/2023
California	State Program	2904	06/30/2022
Florida	State Program - NELAP	E871157	06/30/2022
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2022
Illinois	State Program - NELAP	200078	10/10/2022
Kentucky	State Program	80215	06/30/2022
Kentucky	State Program	KY90047	12/31/2022
Louisiana	State Program - NELAP	LA037	12/31/2022
Louisiana	State Program - NELAP	04015	06/30/2022
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2022
Pennsylvania	State Program - NELAP	68-03195	05/31/2022
South Carolina	State Program	84002	06/30/2022
South Carolina	State Program	84002	06/30/2022
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2022
Virginia	State Program - NELAP	460181	09/14/2022

Laboratory ID: WP RMS: Waypoint Analytical Mississippi, Inc., Ridgeland, MS

State	Program	Lab ID	Expiration Date
Arkansas	State Program	88-1409	02/01/2023
Kentucky	State Program	KY98013	12/31/2021
Louisiana	State Program - NELAP	04023	06/30/2022
North Carolina	State Program	694	12/31/2021

Sample Summary Table

Report Number: 22-102-0027
Client Project Description: Metals Analysis

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
77841	#1 11303 Pawnee Dr.	Wipes	04/09/2022 13:41	04/12/2022	6010D	WP MTN
77842	#2 4802 Mohawk	Wipes	04/09/2022 13:54	04/12/2022	6010D	WP MTN
77843	#3 4810 Seminole	Wipes	04/09/2022 14:05	04/12/2022	6010D	WP MTN
77844	#4 1502 Cherokee	Wipes	04/09/2022 14:12	04/12/2022	6010D	WP MTN
77845	#5 1007 Cherokee	Wipes	04/09/2022 16:33	04/12/2022	6010D	WP MTN

Summary of Detected Analytes

Project: Metals Analysis

Report Number: 22-102-0027

Client Sample ID	Lab Sample ID				
Method	Parameters	Result	Units	Report Limit	Analyzed
#1 11303 Pawnee Dr.	G 77841				
6010D	Aluminum	1370	µg/Wipe	5.00	04/19/2022 08:04
6010D	Antimony	4.72	µg/Wipe	0.500	04/19/2022 08:04
6010D	Arsenic	3.28	µg/Wipe	0.500	04/19/2022 08:04
6010D	Barium	65.5	µg/Wipe	0.500	04/19/2022 08:04
6010D	Beryllium	0.0700	µg/Wipe	0.0500	04/19/2022 08:04
6010D	Calcium	4510	µg/Wipe	50.0	04/19/2022 08:04
6010D	Cadmium	0.135	µg/Wipe	0.100	04/19/2022 08:04
6010D	Chromium	7.75	µg/Wipe	0.250	04/19/2022 08:04
6010D	Cobalt	0.885	µg/Wipe	0.500	04/19/2022 08:04
6010D	Copper	51.8	µg/Wipe	0.500	04/19/2022 08:04
6010D	Iron	3340	µg/Wipe	10.0	04/19/2022 08:04
6010D	Lead	7.05	µg/Wipe	0.300	04/19/2022 08:04
6010D	Magnesium	472	µg/Wipe	5.00	04/19/2022 08:04
6010D	Manganese	27.3	µg/Wipe	0.500	04/19/2022 08:04
6010D	Molybdenum	6.68	µg/Wipe	0.250	04/19/2022 08:04
6010D	Nickel	6.75	µg/Wipe	0.250	04/19/2022 08:04
6010D	Potassium	691	µg/Wipe	10.0	04/19/2022 08:04
6010D	Sodium	1190	µg/Wipe	25.0	04/19/2022 08:04
6010D	Tin	4.86	µg/Wipe	2.50	04/19/2022 08:04
6010D	Titanium	75.3	µg/Wipe	0.500	04/19/2022 08:04
6010D	Vanadium	7.23	µg/Wipe	0.500	04/19/2022 08:04
6010D	Zinc	192	µg/Wipe	1.25	04/19/2022 08:04
#2 4802 Mohawk	G 77842				
6010D	Aluminum	1830	µg/Wipe	5.00	04/19/2022 08:09
6010D	Antimony	1.01	µg/Wipe	0.500	04/19/2022 08:09
6010D	Arsenic	1.88	µg/Wipe	0.500	04/19/2022 08:09
6010D	Barium	48.9	µg/Wipe	0.500	04/19/2022 08:09
6010D	Calcium	6620	µg/Wipe	50.0	04/19/2022 08:09
6010D	Cadmium	0.225	µg/Wipe	0.100	04/19/2022 08:09
6010D	Chromium	5.35	µg/Wipe	0.250	04/19/2022 08:09
6010D	Copper	35.1	µg/Wipe	0.500	04/19/2022 08:09
6010D	Iron	1850	µg/Wipe	10.0	04/19/2022 08:09
6010D	Lead	12.2	µg/Wipe	0.300	04/19/2022 08:09
6010D	Magnesium	465	µg/Wipe	5.00	04/19/2022 08:09
6010D	Manganese	27.5	µg/Wipe	0.500	04/19/2022 08:09
6010D	Molybdenum	2.73	µg/Wipe	0.250	04/19/2022 08:09

Summary of Detected Analytes

Project: Metals Analysis

Report Number: 22-102-0027

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
#2 4802 Mohawk	G 77842							
6010D	Nickel			3.28	µg/Wipe	0.250	04/19/2022 08:09	
6010D	Potassium			696	µg/Wipe	10.0	04/19/2022 08:09	
6010D	Sodium			739	µg/Wipe	25.0	04/19/2022 08:09	
6010D	Tin			28.1	µg/Wipe	2.50	04/19/2022 08:09	
6010D	Titanium			40.7	µg/Wipe	0.500	04/19/2022 08:09	
6010D	Vanadium			3.30	µg/Wipe	0.500	04/19/2022 08:09	
6010D	Zinc			202	µg/Wipe	1.25	04/19/2022 08:09	
#3 4810 Seminole	G 77843							
6010D	Aluminum			1600	µg/Wipe	5.00	04/19/2022 08:14	
6010D	Antimony			2.71	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Arsenic			5.43	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Barium			124	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Beryllium			0.0750	µg/Wipe	0.0500	04/19/2022 08:14	
6010D	Calcium			11000	µg/Wipe	250	04/20/2022 16:30	
6010D	Cadmium			0.225	µg/Wipe	0.100	04/19/2022 08:14	
6010D	Chromium			15.7	µg/Wipe	0.250	04/19/2022 08:14	
6010D	Cobalt			10.9	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Copper			122	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Iron			7660	µg/Wipe	10.0	04/19/2022 08:14	
6010D	Lead			15.3	µg/Wipe	0.300	04/19/2022 08:14	
6010D	Magnesium			1060	µg/Wipe	5.00	04/19/2022 08:14	
6010D	Manganese			83.0	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Molybdenum			12.6	µg/Wipe	0.250	04/19/2022 08:14	
6010D	Nickel			15.0	µg/Wipe	0.250	04/19/2022 08:14	
6010D	Potassium			677	µg/Wipe	10.0	04/19/2022 08:14	
6010D	Silver			0.385	µg/Wipe	0.250	04/19/2022 08:14	
6010D	Sodium			2740	µg/Wipe	25.0	04/19/2022 08:14	
6010D	Tin			8.73	µg/Wipe	2.50	04/19/2022 08:14	
6010D	Titanium			76.9	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Vanadium			6.60	µg/Wipe	0.500	04/19/2022 08:14	
6010D	Zinc			480	µg/Wipe	1.25	04/19/2022 08:14	
#4 1502 Cherokee	G 77844							
6010D	Aluminum			294	µg/Wipe	5.00	04/19/2022 08:19	
6010D	Antimony			0.690	µg/Wipe	0.500	04/19/2022 08:19	
6010D	Arsenic			0.795	µg/Wipe	0.500	04/19/2022 08:19	
6010D	Barium			17.0	µg/Wipe	0.500	04/19/2022 08:19	

Summary of Detected Analytes

Project: Metals Analysis

Report Number: 22-102-0027

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
#4 1502 Cherokee	G 77844							
6010D	Calcium			897	µg/Wipe	50.0	04/19/2022 08:19	
6010D	Chromium			2.11	µg/Wipe	0.250	04/19/2022 08:19	
6010D	Copper			17.0	µg/Wipe	0.500	04/19/2022 08:19	
6010D	Iron			1070	µg/Wipe	10.0	04/19/2022 08:19	
6010D	Lead			1.56	µg/Wipe	0.300	04/19/2022 08:19	
6010D	Magnesium			174	µg/Wipe	5.00	04/19/2022 08:19	
6010D	Manganese			11.8	µg/Wipe	0.500	04/19/2022 08:19	
6010D	Molybdenum			0.705	µg/Wipe	0.250	04/19/2022 08:19	
6010D	Nickel			1.92	µg/Wipe	0.250	04/19/2022 08:19	
6010D	Potassium			340	µg/Wipe	10.0	04/19/2022 08:19	
6010D	Sodium			474	µg/Wipe	25.0	04/19/2022 08:19	
6010D	Titanium			10.4	µg/Wipe	0.500	04/19/2022 08:19	
6010D	Vanadium			0.780	µg/Wipe	0.500	04/19/2022 08:19	
6010D	Zinc			109	µg/Wipe	1.25	04/19/2022 08:19	
#5 1007 Cherokee	G 77845							
6010D	Aluminum			1060	µg/Wipe	5.00	04/19/2022 08:24	
6010D	Antimony			2.58	µg/Wipe	0.500	04/19/2022 08:24	
6010D	Arsenic			4.29	µg/Wipe	0.500	04/19/2022 08:24	
6010D	Barium			53.0	µg/Wipe	0.500	04/19/2022 08:24	
6010D	Beryllium			0.0500	µg/Wipe	0.0500	04/19/2022 08:24	
6010D	Calcium			7740	µg/Wipe	50.0	04/19/2022 08:24	
6010D	Cadmium			0.285	µg/Wipe	0.100	04/19/2022 08:24	
6010D	Chromium			7.47	µg/Wipe	0.250	04/19/2022 08:24	
6010D	Cobalt			3.56	µg/Wipe	0.500	04/19/2022 08:24	
6010D	Copper			101	µg/Wipe	0.500	04/19/2022 08:24	
6010D	Iron			3860	µg/Wipe	10.0	04/19/2022 08:24	
6010D	Lead			15.7	µg/Wipe	0.300	04/19/2022 08:24	
6010D	Magnesium			626	µg/Wipe	5.00	04/19/2022 08:24	
6010D	Manganese			46.6	µg/Wipe	0.500	04/19/2022 08:24	
6010D	Molybdenum			9.63	µg/Wipe	0.250	04/19/2022 08:24	
6010D	Nickel			8.50	µg/Wipe	0.250	04/19/2022 08:24	
6010D	Potassium			1260	µg/Wipe	50.0	04/20/2022 16:35	
6010D	Silver			0.475	µg/Wipe	0.250	04/19/2022 08:24	
6010D	Sodium			2010	µg/Wipe	25.0	04/19/2022 08:24	
6010D	Tin			8.09	µg/Wipe	2.50	04/19/2022 08:24	
6010D	Titanium			43.2	µg/Wipe	0.500	04/19/2022 08:24	

Summary of Detected Analytes

Project: Metals Analysis

Report Number: 22-102-0027

Client Sample ID	Lab Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
#5 1007 Cherokee	G 77845					
6010D	Vanadium	4.61	µg/Wipe	0.500	04/19/2022 08:24	
6010D	Zinc	511	µg/Wipe	1.25	04/19/2022 08:24	

01516

Cherokee Concerned Citizens
Ms. Jennifer Crosslin
1502 Cherokee Dr.
Pascagoula , MS 39581

Project Metals Analysis

Information :

Report Date : 04/22/2022
Received : 04/12/2022



Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
Technical Director

Lab No : **77841**

Matrix: **Wipes**

Sample ID : **#1 11303 Pawnee Dr.**

Sampled: **4/9/2022 13:41**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Aluminum	1370	µg/Wipe	5.00	1	04/19/22 08:04	JTR	6010D
Antimony	4.72	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Arsenic	3.28	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Barium	65.5	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Beryllium	0.0700	µg/Wipe	0.0500	1	04/19/22 08:04	JTR	6010D
Calcium	4510	µg/Wipe	50.0	1	04/19/22 08:04	JTR	6010D
Cadmium	0.135	µg/Wipe	0.100	1	04/19/22 08:04	JTR	6010D
Chromium	7.75	µg/Wipe	0.250	1	04/19/22 08:04	JTR	6010D
Cobalt	0.885	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Copper	51.8	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Iron	3340	µg/Wipe	10.0	1	04/19/22 08:04	JTR	6010D
Lead	7.05	µg/Wipe	0.300	1	04/19/22 08:04	JTR	6010D
Magnesium	472	µg/Wipe	5.00	1	04/19/22 08:04	JTR	6010D
Manganese	27.3	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Molybdenum	6.68	µg/Wipe	0.250	1	04/19/22 08:04	JTR	6010D
Nickel	6.75	µg/Wipe	0.250	1	04/19/22 08:04	JTR	6010D
Potassium	691	µg/Wipe	10.0	1	04/19/22 08:04	JTR	6010D
Selenium	<0.500	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Silver	<0.250	µg/Wipe	0.250	1	04/19/22 08:04	JTR	6010D
Sodium	1190	µg/Wipe	25.0	1	04/19/22 08:04	JTR	6010D
Tin	4.86	µg/Wipe	2.50	1	04/19/22 08:04	JTR	6010D
Titanium	75.3	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Thallium	<1.00	µg/Wipe	1.00	1	04/19/22 08:04	JTR	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01516

Cherokee Concerned Citizens
Ms. Jennifer Crosslin
1502 Cherokee Dr.
Pascagoula , MS 39581

Project Metals Analysis
Information :

Report Date : 04/22/2022
Received : 04/12/2022



Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
Technical Director

Lab No : **77841**

Matrix: **Wipes**

Sample ID : **#1 11303 Pawnee Dr.**

Sampled: **4/9/2022 13:41**

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Method
Vanadium	7.23	µg/Wipe	0.500	1	04/19/22 08:04	JTR	6010D
Zinc	192	µg/Wipe	1.25	1	04/19/22 08:04	JTR	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit

01516

Cherokee Concerned Citizens
Ms. Jennifer Crosslin
1502 Cherokee Dr.
Pascagoula , MS 39581

Project Metals Analysis

Information :

Report Date : 04/22/2022
Received : 04/12/2022



Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
Technical Director

Lab No : **77842**

Matrix: **Wipes**

Sample ID : **#2 4802 Mohawk**

Sampled: **4/9/2022 13:54**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Aluminum	1830	µg/Wipe	5.00	1	04/19/22 08:09	JTR	6010D
Antimony	1.01	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Arsenic	1.88	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Barium	48.9	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Beryllium	<0.0500	µg/Wipe	0.0500	1	04/19/22 08:09	JTR	6010D
Calcium	6620	µg/Wipe	50.0	1	04/19/22 08:09	JTR	6010D
Cadmium	0.225	µg/Wipe	0.100	1	04/19/22 08:09	JTR	6010D
Chromium	5.35	µg/Wipe	0.250	1	04/19/22 08:09	JTR	6010D
Cobalt	<0.500	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Copper	35.1	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Iron	1850	µg/Wipe	10.0	1	04/19/22 08:09	JTR	6010D
Lead	12.2	µg/Wipe	0.300	1	04/19/22 08:09	JTR	6010D
Magnesium	465	µg/Wipe	5.00	1	04/19/22 08:09	JTR	6010D
Manganese	27.5	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Molybdenum	2.73	µg/Wipe	0.250	1	04/19/22 08:09	JTR	6010D
Nickel	3.28	µg/Wipe	0.250	1	04/19/22 08:09	JTR	6010D
Potassium	696	µg/Wipe	10.0	1	04/19/22 08:09	JTR	6010D
Selenium	<0.500	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Silver	<0.250	µg/Wipe	0.250	1	04/19/22 08:09	JTR	6010D
Sodium	739	µg/Wipe	25.0	1	04/19/22 08:09	JTR	6010D
Tin	28.1	µg/Wipe	2.50	1	04/19/22 08:09	JTR	6010D
Titanium	40.7	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Thallium	<1.00	µg/Wipe	1.00	1	04/19/22 08:09	JTR	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



235 Highpoint Drive, Ridgeland, MS 39157
 Main 601-957-2676 ° Fax 601-957-1887
 www.waypointanalytical.com

01516

Cherokee Concerned Citizens
 Ms. Jennifer Crosslin
 1502 Cherokee Dr.
 Pascagoula , MS 39581

Project Metals Analysis
 Information :

Report Date : 04/22/2022
 Received : 04/12/2022

Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
 Technical Director

Lab No : **77842**

Matrix: **Wipes**

Sample ID : **#2 4802 Mohawk**

Sampled: **4/9/2022 13:54**

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Method
Vanadium	3.30	µg/Wipe	0.500	1	04/19/22 08:09	JTR	6010D
Zinc	202	µg/Wipe	1.25	1	04/19/22 08:09	JTR	6010D

**Qualifiers/
 Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit

01516

Cherokee Concerned Citizens
 Ms. Jennifer Crosslin
 1502 Cherokee Dr.
 Pascagoula , MS 39581

Project Metals Analysis

Information :

Report Date : 04/22/2022
 Received : 04/12/2022



Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
 Technical Director

Lab No : **77843**

Matrix: **Wipes**

Sample ID : **#3 4810 Seminole**

Sampled: **4/9/2022 14:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Aluminum	1600	µg/Wipe	5.00	1	04/19/22 08:14	JTR	6010D
Antimony	2.71	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Arsenic	5.43	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Barium	124	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Beryllium	0.0750	µg/Wipe	0.0500	1	04/19/22 08:14	JTR	6010D
Calcium	11000	µg/Wipe	250	5	04/20/22 16:30	TJS	6010D
Cadmium	0.225	µg/Wipe	0.100	1	04/19/22 08:14	JTR	6010D
Chromium	15.7	µg/Wipe	0.250	1	04/19/22 08:14	JTR	6010D
Cobalt	10.9	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Copper	122	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Iron	7660	µg/Wipe	10.0	1	04/19/22 08:14	JTR	6010D
Lead	15.3	µg/Wipe	0.300	1	04/19/22 08:14	JTR	6010D
Magnesium	1060	µg/Wipe	5.00	1	04/19/22 08:14	JTR	6010D
Manganese	83.0	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Molybdenum	12.6	µg/Wipe	0.250	1	04/19/22 08:14	JTR	6010D
Nickel	15.0	µg/Wipe	0.250	1	04/19/22 08:14	JTR	6010D
Potassium	677	µg/Wipe	10.0	1	04/19/22 08:14	JTR	6010D
Selenium	<0.500	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Silver	0.385	µg/Wipe	0.250	1	04/19/22 08:14	JTR	6010D
Sodium	2740	µg/Wipe	25.0	1	04/19/22 08:14	JTR	6010D
Tin	8.73	µg/Wipe	2.50	1	04/19/22 08:14	JTR	6010D
Titanium	76.9	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Thallium	<1.00	µg/Wipe	1.00	1	04/19/22 08:14	JTR	6010D

**Qualifiers/
 Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01516

Cherokee Concerned Citizens
Ms. Jennifer Crosslin
1502 Cherokee Dr.
Pascagoula , MS 39581

Project Metals Analysis
Information :

Report Date : 04/22/2022
Received : 04/12/2022



Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
Technical Director

Lab No : **77843**

Matrix: **Wipes**

Sample ID : **#3 4810 Seminole**

Sampled: **4/9/2022 14:05**

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Method
Vanadium	6.60	µg/Wipe	0.500	1	04/19/22 08:14	JTR	6010D
Zinc	480	µg/Wipe	1.25	1	04/19/22 08:14	JTR	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit

01516

Cherokee Concerned Citizens
 Ms. Jennifer Crosslin
 1502 Cherokee Dr.
 Pascagoula , MS 39581

Project Metals Analysis

Information :

Report Date : 04/22/2022
 Received : 04/12/2022



Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
 Technical Director

Lab No : **77844**

Matrix: **Wipes**

Sample ID : **#4 1502 Cherokee**

Sampled: **4/9/2022 14:12**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Aluminum	294	µg/Wipe	5.00	1	04/19/22 08:19	JTR	6010D
Antimony	0.690	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Arsenic	0.795	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Barium	17.0	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Beryllium	<0.0500	µg/Wipe	0.0500	1	04/19/22 08:19	JTR	6010D
Calcium	897	µg/Wipe	50.0	1	04/19/22 08:19	JTR	6010D
Cadmium	<0.100	µg/Wipe	0.100	1	04/19/22 08:19	JTR	6010D
Chromium	2.11	µg/Wipe	0.250	1	04/19/22 08:19	JTR	6010D
Cobalt	<0.500	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Copper	17.0	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Iron	1070	µg/Wipe	10.0	1	04/19/22 08:19	JTR	6010D
Lead	1.56	µg/Wipe	0.300	1	04/19/22 08:19	JTR	6010D
Magnesium	174	µg/Wipe	5.00	1	04/19/22 08:19	JTR	6010D
Manganese	11.8	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Molybdenum	0.705	µg/Wipe	0.250	1	04/19/22 08:19	JTR	6010D
Nickel	1.92	µg/Wipe	0.250	1	04/19/22 08:19	JTR	6010D
Potassium	340	µg/Wipe	10.0	1	04/19/22 08:19	JTR	6010D
Selenium	<0.500	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Silver	<0.250	µg/Wipe	0.250	1	04/19/22 08:19	JTR	6010D
Sodium	474	µg/Wipe	25.0	1	04/19/22 08:19	JTR	6010D
Tin	<2.50	µg/Wipe	2.50	1	04/19/22 08:19	JTR	6010D
Titanium	10.4	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Thallium	<1.00	µg/Wipe	1.00	1	04/19/22 08:19	JTR	6010D

**Qualifiers/
 Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



235 Highpoint Drive, Ridgeland, MS 39157
 Main 601-957-2676 ° Fax 601-957-1887
 www.waypointanalytical.com

01516

Cherokee Concerned Citizens
 Ms. Jennifer Crosslin
 1502 Cherokee Dr.
 Pascagoula , MS 39581

Project Metals Analysis
 Information :

Report Date : 04/22/2022
 Received : 04/12/2022

Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
 Technical Director

Lab No : **77844**

Matrix: **Wipes**

Sample ID : **#4 1502 Cherokee**

Sampled: **4/9/2022 14:12**

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Method
Vanadium	0.780	µg/Wipe	0.500	1	04/19/22 08:19	JTR	6010D
Zinc	109	µg/Wipe	1.25	1	04/19/22 08:19	JTR	6010D

**Qualifiers/
 Definitions**

DF Dilution Factor

ML Method Quantitation Limit

01516

Cherokee Concerned Citizens
 Ms. Jennifer Crosslin
 1502 Cherokee Dr.
 Pascagoula , MS 39581

Project Metals Analysis

Information :

Report Date : 04/22/2022
 Received : 04/12/2022



Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
 Technical Director

Lab No : **77845**

Matrix: **Wipes**

Sample ID : **#5 1007 Cherokee**

Sampled: **4/9/2022 16:33**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Aluminum	1060	µg/Wipe	5.00	1	04/19/22 08:24	JTR	6010D
Antimony	2.58	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Arsenic	4.29	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Barium	53.0	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Beryllium	0.0500	µg/Wipe	0.0500	1	04/19/22 08:24	JTR	6010D
Calcium	7740	µg/Wipe	50.0	1	04/19/22 08:24	JTR	6010D
Cadmium	0.285	µg/Wipe	0.100	1	04/19/22 08:24	JTR	6010D
Chromium	7.47	µg/Wipe	0.250	1	04/19/22 08:24	JTR	6010D
Cobalt	3.56	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Copper	101	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Iron	3860	µg/Wipe	10.0	1	04/19/22 08:24	JTR	6010D
Lead	15.7	µg/Wipe	0.300	1	04/19/22 08:24	JTR	6010D
Magnesium	626	µg/Wipe	5.00	1	04/19/22 08:24	JTR	6010D
Manganese	46.6	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Molybdenum	9.63	µg/Wipe	0.250	1	04/19/22 08:24	JTR	6010D
Nickel	8.50	µg/Wipe	0.250	1	04/19/22 08:24	JTR	6010D
Potassium	1260	µg/Wipe	50.0	5	04/20/22 16:35	TJS	6010D
Selenium	<0.500	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Silver	0.475	µg/Wipe	0.250	1	04/19/22 08:24	JTR	6010D
Sodium	2010	µg/Wipe	25.0	1	04/19/22 08:24	JTR	6010D
Tin	8.09	µg/Wipe	2.50	1	04/19/22 08:24	JTR	6010D
Titanium	43.2	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Thallium	<1.00	µg/Wipe	1.00	1	04/19/22 08:24	JTR	6010D

**Qualifiers/
 Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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01516

Cherokee Concerned Citizens
 Ms. Jennifer Crosslin
 1502 Cherokee Dr.
 Pascagoula , MS 39581

Project Metals Analysis
 Information :

Report Date : 04/22/2022
 Received : 04/12/2022

Report Number : **22-102-0027**

REPORT OF ANALYSIS

Brian Herrington
 Technical Director

Lab No : **77845**

Matrix: **Wipes**

Sample ID : **#5 1007 Cherokee**

Sampled: **4/9/2022 16:33**

Test	Results	Units	ML	DF	Date / Time Analyzed	By	Analytical Method
Vanadium	4.61	µg/Wipe	0.500	1	04/19/22 08:24	JTR	6010D
Zinc	511	µg/Wipe	1.25	1	04/19/22 08:24	JTR	6010D

**Qualifiers/
 Definitions**

DF

Dilution Factor

ML

Method Quantitation Limit

Quality Control Data

Client ID: Cherokee Concerned Citizens
Project Description: Metals Analysis
Report No: 22-102-0027

QC Prep: L611025 **QC Analytical Batch(es):** L611566
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L611025 Matrix: WIP
Associated Lab Samples: 77841, 77842, 77843, 77844, 77845

Parameter	Units	Blank Result	MQL	Analyzed
Aluminum	µg/Wipe	< 5.00	5.00	04/19/22 07:58
Antimony	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Arsenic	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Barium	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Beryllium	µg/Wipe	< 0.0500	0.0500	04/19/22 07:58
Calcium	µg/Wipe	< 50.0	50.0	04/19/22 07:58
Cadmium	µg/Wipe	< 0.100	0.100	04/19/22 07:58
Chromium	µg/Wipe	< 0.250	0.250	04/19/22 07:58
Cobalt	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Copper	µg/Wipe	0.575	0.500	04/19/22 07:58
Iron	µg/Wipe	< 10.0	10.0	04/19/22 07:58
Lead	µg/Wipe	< 0.300	0.300	04/19/22 07:58
Magnesium	µg/Wipe	< 5.00	5.00	04/19/22 07:58
Manganese	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Molybdenum	µg/Wipe	< 0.250	0.250	04/19/22 07:58
Nickel	µg/Wipe	< 0.250	0.250	04/19/22 07:58
Potassium	µg/Wipe	< 10.0	10.0	04/19/22 07:58
Selenium	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Silver	µg/Wipe	< 0.250	0.250	04/19/22 07:58
Sodium	µg/Wipe	< 25.0	25.0	04/19/22 07:58
Tin	µg/Wipe	< 2.50	2.50	04/19/22 07:58
Titanium	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Thallium	µg/Wipe	< 1.00	1.00	04/19/22 07:58
Vanadium	µg/Wipe	< 0.500	0.500	04/19/22 07:58
Zinc	µg/Wipe	< 1.25	1.25	04/19/22 07:58

Quality Control Data

Client ID: Cherokee Concerned Citizens
Project Description: Metals Analysis
Report No: 22-102-0027

QC Prep: L611025 **QC Analytical Batch(es):** L611566
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Laboratory Control Sample & LCSD LCS-L611025 LCSD-L611025

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Aluminum	µg/Wipe	500	510	525	102	105	80-120	2.8	20.0
Antimony	µg/Wipe	5.00	5.23	5.24	105	105	80-120	0.1	20.0
Arsenic	µg/Wipe	5.00	5.52	5.65	110	113	80-120	2.3	20.0
Barium	µg/Wipe	50.0	52.6	54.6	105	109	80-120	3.7	20.0
Beryllium	µg/Wipe	5.00	5.11	5.30	102	106	80-120	3.6	20.0
Calcium	µg/Wipe	500	537	557	107	111	80-120	3.6	20.0
Cadmium	µg/Wipe	5.00	5.25	5.44	105	109	80-120	3.5	20.0
Chromium	µg/Wipe	50.0	52.1	54.3	104	109	80-120	4.1	20.0
Cobalt	µg/Wipe	50.0	52.4	54.4	105	109	80-120	3.7	20.0
Copper	µg/Wipe	50.0	54.6	54.8	109	110	80-120	0.3	20.0
Iron	µg/Wipe	500	527	547	105	109	80-120	3.7	20.0
Lead	µg/Wipe	5.00	5.28	5.55	106	111	80-120	4.9	20.0
Magnesium	µg/Wipe	500	505	523	101	105	80-120	3.5	20.0
Manganese	µg/Wipe	50.0	52.5	54.7	105	109	80-120	4.1	20.0
Molybdenum	µg/Wipe	50.0	51.4	53.4	103	107	80-120	3.8	20.0
Nickel	µg/Wipe	50.0	53.6	55.7	107	111	80-120	3.8	20.0
Potassium	µg/Wipe	50.0	54.5	57.2	109	114	80-120	4.8	20.0
Selenium	µg/Wipe	5.00	5.03	5.10	101	102	80-120	1.3	20.0
Silver	µg/Wipe	5.00	5.08	5.33	102	107	80-120	4.8	20.0
Sodium	µg/Wipe	500	476	492	95.0	98.0	80-120	3.3	20.0
Tin	µg/Wipe	50.0	52.6	54.9	105	110	80-120	4.2	20.0
Titanium	µg/Wipe	50.0	50.8	52.6	102	105	80-120	3.4	20.0
Thallium	µg/Wipe	5.00	5.14	5.44	103	109	80-120	5.6	20.0
Vanadium	µg/Wipe	50.0	51.0	52.9	102	106	80-120	3.6	20.0
Zinc	µg/Wipe	50.0	54.0	56.1	108	112	80-120	3.8	20.0

Shipment Receipt Form

Customer Number: **01516**

Customer Name: **Cherokee Concerned Citizens**

Report Number: **22-102-0027**

Shipping Method

Fed Ex US Postal Lab Other :
 UPS Client Courier Thermometer ID:

Shipping container/cooler uncompromised?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Number of coolers/boxes received	<input type="text" value="1"/>		
Custody seals intact on shipping container/cooler?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Present
Custody seals intact on sample bottles?	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Not Present
Chain of Custody (COC) present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC properly completed	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper containers?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample containers intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample volume for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within holding time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler temperature in compliance?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	<input type="radio"/> Yes	<input checked="" type="radio"/> No	
Water - Sample containers properly preserved	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Water - VOA vials free of headspace	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Trip Blanks received with VOAs	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
Soil VOA method 5035 – compliance criteria met	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> N/A
<input type="checkbox"/> High concentration container (48 hr)		<input type="checkbox"/> Low concentration EnCore samplers (48 hr)	
<input type="checkbox"/> High concentration pre-weighed (methanol -14 d)		<input type="checkbox"/> Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

Comments:

Signature:

Date & Time:

22-102-0027
01516
04-12-2022
13:53:46

Cherokee Concerned Citizens
Metals Analysis

Billing Information
1502 Cherokee Dr.
Pascagoula, MS 39581

Client Project Manager/Contact
Jennifer Crosslin
228 365 1447

Client Name/Address
Cherokee Concerned Citizens
1502 Cherokee Dr Pascagoula

RUSH - Additional charges apply
Special Detection Limit(s)
Date Results Needed

Project/Site Location (City/State)
Cherokee Subdivision
Pascagoula, MS

Project Description
Wipe samples
5 different locations
in Cherokee Subdivision

Project Manager Email
citizenspugout@gmail.com

Project Manager Phone #
228 365 1447

Project Number

Site/Facility ID #

DW - Drinking Water S - Soil / Solid O - Oil
P - Product M - Misc

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

Required Analysis / Preservative

A Cool < 10C Na2S2O3 (Micro Only)
B Cool <= 6C
C H2SO4 pH<2
D None Required
E NaOH pH>10
F HNO3 pH<2
G HCL pH<2
H H3PO4 pH<2
I Cool <= 6C NA2S2O3

Comments/Notes

Wipe front of house
Pop Shutter
front of house
window
wiped front back
door at house
Driver side back
window of car
Front door

Number of Containers

1
1
1
1
1

Matrix (Refer to Key)

(g)rab or (c)omposite

Sample Identification

Unless noted, all containers per Table II of 40 CFR Part 136.

Date Time
4/19 1:41pm #1 11303 Rawneedr
4/19 1:54pm #2 4802 Mohawk
4/19 2:05pm #3 4810 Seminole
4/19 2:12pm #4 1502 Cherokee
4/19 4:33pm #5 1007 Cherokee

Client Remarks/Comments

UPS: 1Z56W2A94290303019
4/11/22 11:00 AM
4/12/22 11:00 AM

Sampled by (Name - Print)
Jennifer Crosslin

Relinquished by: (SIGNATURE)
Jennifer Crosslin

For Laboratory Use Only

Lab Comments

Ice Custody Seals
v/N

Blank/Cooler Temp
Ambient