

Sampling Date: October 27, 2020
Submission Date: November 10, 2020

Water Sampling Report
Children's Book of Knowledge
150 1st Street, St. Rose, LA 70087
(MMG Job # 3921 LDH-28)



Prepared for:

Caryn Benjamin
LDH-OPH, Engineering Services
628 N. Fourth Street
P.O. Box 4489
Baton Rouge, LA 70821



By:

Materials Management Group, Inc.
2401 Westbend Parkway, Suite 3010
New Orleans, LA 70114



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1.0 Introduction

Materials Management Group, Inc. (MMG) was retained by the Louisiana Department of Health – Office of Public Health (LDH-OPH) to conduct water sampling for the potential presence and concentration of lead in drinking water at primary schools and childcare facilities throughout Louisiana. MMG’s scope of work includes testing sources of water used for consumption in a given school or childcare facility as determined by representatives of LDH-OPH. This report summarizes water testing performed Children’s Book of Knowledge, 4450 Jefferson Highway, Jefferson, LA 70121 (School).

MMG personnel Erin LeCompte, Jeff Camus, and Justin Crochet performed the initial facility assessment at the School on October 9, 2020. A water sampling plan was submitted to LDH-OPH on October 15, 2020 and approved on October 22, 2020. Water sampling was performed at the School on October 27, 2020 by MMG staff.

2.0 Summary of Activities

2.1 MMG Personnel

Multiple MMG personnel participated in this water sampling assessment and investigation. All MMG personnel that conducted water sampling on October 27, 2020 are LDEQ-accredited Lead Inspectors and Lead Risk Assessors. Table 2.1 below summarizes MMG personnel who conducted water sampling at the School and includes their certification information.

Table 2.1 MMG Personnel Accreditation Information Summary

MMG Personnel	Accreditation Type	Certification Number	Date of Expiration
Erin LeCompte	Lead Inspector	OI217986	10/13/2021
	Lead Risk Assessor	OR217986	10/14/2021
Jeff Camus	Lead Inspector	MI182306	03/05/2021
	Lead Risk Assessor	MR182306	03/06/2021
Justin Crochet	Lead Inspector	MI184257	03/05/2021
	Lead Risk Assessor	MR184257	03/06/2021

2.2 Methodology

The MMG team utilized the water sampling methodology described in the guidance document, “3 T’s for Reducing Lead in Drinking Water in Schools and Child Care Facilities: A Training, Testing, and Taking Action Approach”, authored by the Environmental Protection Agency (EPA), Office of Ground Water and Drinking Water.

The EPA recommends schools and childcare facilities use a 2-step sampling procedure which specifies the collection of two (2) water samples per fixture. The

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"1st Draw" sample is taken from the fixture once water has been sitting stagnant in the fixture for no less than 8 hours and no more than 18 hours. The "2nd Draw" sample is then collected from the same fixture after the fixture has been "flushed" for a pre-determined length of time. "Flushing" a fixture is accomplished by running water through the fixture at a moderate flow rate for 30 seconds (in the case of faucets and bubblers) or 15 minutes (in the case of water coolers or other fixtures which include a holding tank or similar water storage/refrigeration component). Using the "2-draw" method of water sampling described in the "3 T's" document is meant to ensure that the water samples collected at a given facility are representative of water quality and usage under "normal" conditions.

All water samples were collected in individual 250 mL plastic bottles, with preservatives, provided by the testing laboratory.

2.3 Field Activities

MMG performed all water sampling activities at the School on October 27, 2020 beginning at approximately 6:55 AM. Samples were collected from all fixtures pre-approved by LDH. See Appendix A: Sampling Maps for illustrated locations of each sample.

After collection, water samples were transported via courier to Waypoint Analytical located at 5041 Taravella Road, Marrero, LA 70072. All samples were analyzed for lead concentration using the EPA 200.8 Method with ICP-MS. The laboratory certification issued for Waypoint Analytical by the Louisiana Department of Health (LDH) is included in Appendix C.

3.0 Analytical Results

Table 3.1 summarizes the analytical results for the water samples taken by MMG at Children's Book of Knowledge, located at 150 1st Street, St. Rose, LA 70087 on October 27, 2020. The table also compares the results to the LDH-OPH lead action level of 15 parts per billion, which is equivalent to 15 µg/L. The complete analytical reports for all water samples taken over the course of the investigation, including chain-of-custody documentation, can be found in Appendix B.

Table 3.1 Water Sampling Results for Children's Book of Knowledge

Sample ID	Sample Location	Description	Result (µg/L)	LDH-OPH Lead Action Level (µg/L)	Exceedance? (Yes/No)
CBK1-Rm2-WC1-D1	<i>Sample unable to be collected - Omitted</i>	First Draw	OMIT	15	N/A
CBK1-Rm2-WC1-D2	Room 2 Water Cooler	Second Draw	4.71	15	No
CBK1-Rm2Ba1-F1-D1	Room 2 Girl's Bathroom	First Draw	2.72	15	No

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CBK1-Rm2Ba1-F1-D2	Room 2 Girl's Bathroom	Second Draw	0.689	15	No
CBK1-Rm2Ba2-F1-D1	Room 2 Boy's Bathroom	First Draw	0.937	15	No
CBK1-Rm2Ba2-F1-D2	Room 2 Boy's Bathroom	Second Draw	ND	15	No
CBK1-Rm3Ba1-F1-D1	Room 3 Bathroom	First Draw	7.89	15	No
CBK1-Rm3Ba1-F1-D2	Room 3 Bathroom	Second Draw	1.16	15	No
CBK1-Rm4Ba1-F1-D1	Room 4 Bathroom	First Draw	3.58	15	No
CBK1-Rm4Ba1-F1-D2	Room 4 Bathroom	Second Draw	1.58	15	No
CBK1-Rm5-F1-D1	Room 5	First Draw	17.2	15	Yes
CBK1-Rm5-F1-D2	Room 5	Second Draw	2.86	15	No
CBK2-Rm2KT-F1-D1	Room 2 Kitchen, Sink closest to A-side	First Draw	6.39	15	No
CBK2-RM2KT-F1-D2	Room 2 Kitchen, Sink closest to A-side	Second Draw	2.36	15	No
CBK2-Rm2KT-F2-D1	Room 2 Kitchen Sink	First Draw	5.66	15	No
CBK2-RM2KT-F2-D2	Room 2 Kitchen Sink	Second Draw	1.93	15	No
CBK2-Rm2KT-F3-D1	Room 2 Kitchen, closest to D-side with no attachment	First Draw	21.9	15	Yes
CBK2-RM2KT-F3-D2	Room 2 Kitchen, closest to D-side with no attachment	Second Draw	1.07	15	No
CBK2-Rm2KT-F4-D1	Room 2 Kitchen, closest to D-side with attachment	First Draw	16.0	15	Yes
CBK2-RM2KT-F4-D2	Room 2 Kitchen, closest to D-side with attachment	Second Draw	0.968	15	No

4.0 Recommendation(s) from LDH-OPH

At the request of LDH-OPH, MMG has included the following recommendation(s) in this report:

Based on the flush sample results, the lead level was reduced after the fixture was flushed (30 seconds for sinks or 15 minutes for the water cooler). Therefore, the Louisiana Department of Health recommends to perform a daily flushing practice at all fixtures before the fixture is used for drinking and/or food preparation. See EPA's 3T Flushing Best Practices at <https://www.epa.gov/ground-water-and-drinking-water/3ts-module-6>. The Louisiana Department of Health also recommends that Facilities should not use

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water from hose bibbs for potable purposes such as consumption, food/drink preparation, and cooking.

5.0 Signature of Principal



C. Paul Lo, ScD

Principal Environmental Health Scientist & LDEQ Lead Project Designer

Appendices

- Appendix A: Sampling Maps**
- Appendix B: Laboratory Report and Chain of Custody Documentation**
- Appendix C: Laboratory Accreditations and Certifications**

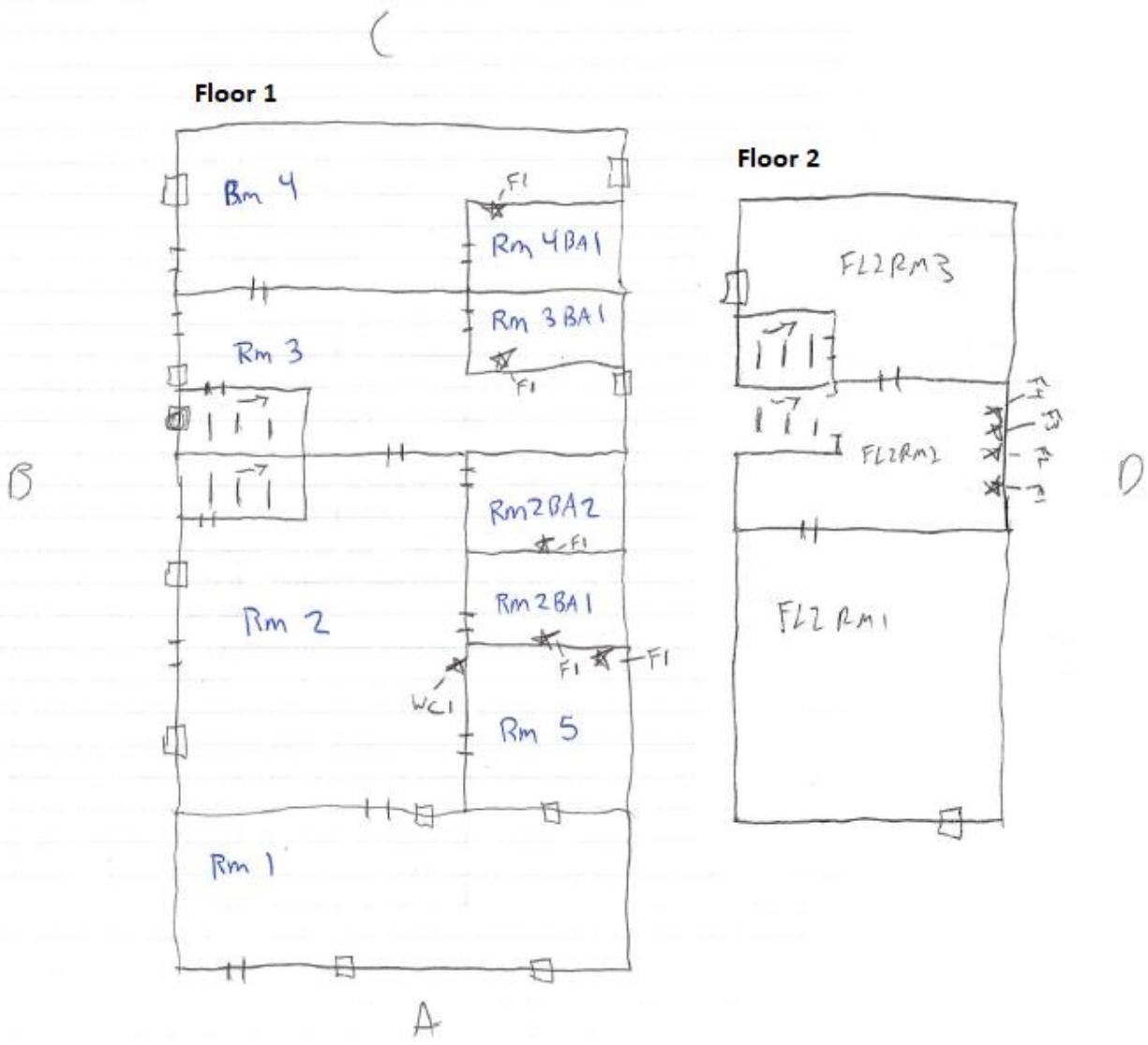
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Appendix A: Sampling Maps

Children's Book of Knowledge
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A-side = Adjacent to 1st Street

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**Appendix B: Laboratory Report and Chain of Custody
Documentation**



11/4/2020

Materials Management Group, Inc.
Ms. Braelin Carter
2401 Westbend Parkway
Suite 3010
New Orleans, LA, 701141

Ref: Report Number: 20-301-0016
Project Description: Lead in H2O at Children's Book of Knowle
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Dear Ms. Braelin Carter:

Waypoint Analytical Louisiana, Inc. received sample(s) on 10/27/2020 for the analyses presented in the following report. The above referenced project has been analyzed per your instructions. Unless otherwise noted, the analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

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. Analyses reported which indicate "Field" for these parameters were analyzed by the client in the field. Results for solid samples are reported on an as received or "wet weight" basis unless otherwise specified.

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 2012) 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.

All quality control measures undertaken in accordance with Waypoint Analytical Louisiana, Inc. CompQAP990807A and revisions under the terms of the Louisiana Environmental Laboratory Accreditation Program (Certificate #02041) are within acceptance ranges established in that document with the exception of the items indicated and/or discussed in a Case Narrative.

The results are shown on the attached analysis sheet(s). Be aware that the time analyzed for certain samples (e.g. - BOD, CBOD, etc.) refer to the time the sample batch was begun and not necessarily to the time an individual sample was begun. Thank you for allowing Waypoint Analytical Louisiana, Inc. to serve you. Should I be of further assistance, if you have any questions or need additional information please contact me or client services.

Sincerely,

Anthony J. Albert
Laboratory 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. This report may be reproduced in full only with the written permission of the laboratory and/or the entity to which it is addressed. Results contained herein relate only to the sample(s) submitted to the laboratory.



Certification Summary

Laboratory ID: WP MLA: Waypoint Analytical Louisiana, Inc., Marrero, LA

State	Program	Lab ID	Expiration Date
Georgia	State Program	02041	06/30/2021
Louisiana	State Program - NELAP	02041	06/30/2021

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

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2021
Arkansas	State Program	88-0650	02/07/2021
California	State Program	2904	06/30/2021
Florida	State Program - NELAP	E871157	06/30/2021
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2021
Illinois	State Program - NELAP	200078	10/10/2021
Kentucky	State Program	80215	06/30/2021
Kentucky	State Program	KY90047	12/31/2020
Louisiana	State Program - NELAP	LA037	12/31/2020
Louisiana	State Program - NELAP	04015	06/30/2021
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	415	12/31/2020
Oklahoma	State Program	9311	08/31/2021
Pennsylvania	State Program - NELAP	68-03195	05/31/2021
South Carolina	State Program	84002	06/30/2021
South Carolina	State Program	84002	06/30/2021
Tennessee	State Program	02027	02/11/2023
Tennessee	A2LA ISO 17025:2017	4313.01	10/31/2021
Texas	State Program - NELAP	T104704180	09/30/2021
Virginia	State Program	00106	06/30/2021
Virginia	State Program - NELAP	460181	09/14/2021

Sample Summary Table

Report Number: 20-301-0016
Client Project Description: Lead in H2O at Children's Book of Knowledge
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Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
81542	CBK1-Rm2-WC1-D2	Aqueous	10/27/2020 07:13	10/27/2020	EPA-200.8 (DW)	WP MTN
81543	CBK1-Rm2Ba1-F1-D1	Aqueous	10/27/2020 07:00	10/27/2020	EPA-200.8 (DW)	WP MTN
81544	CBK1-Rm2Ba1-F1-D2	Aqueous	10/27/2020 07:07	10/27/2020	EPA-200.8 (DW)	WP MTN
81545	CBK1-Rm2Ba2-F1-D1	Aqueous	10/27/2020 07:00	10/27/2020	EPA-200.8 (DW)	WP MTN
81546	CBK1-Rm2Ba2-F1-D2	Aqueous	10/27/2020 07:08	10/27/2020	EPA-200.8 (DW)	WP MTN
81547	CBK1-Rm5-F1-D1	Aqueous	10/27/2020 07:00	10/27/2020	EPA-200.8 (DW)	WP MTN
81548	CBK1-Rm5-F1-D2	Aqueous	10/27/2020 07:06	10/27/2020	EPA-200.8 (DW)	WP MTN
81549	CBK2-Rm2KT-F1-D1	Aqueous	10/27/2020 06:55	10/27/2020	EPA-200.8 (DW)	WP MTN
81550	CBK2-Rm2KT-F1-D2	Aqueous	10/27/2020 07:05	10/27/2020	EPA-200.8 (DW)	WP MTN
81551	CBK2-Rm2KT-F2-D1	Aqueous	10/27/2020 06:56	10/27/2020	EPA-200.8 (DW)	WP MTN
81552	CBK2-Rm2KT-F2-D2	Aqueous	10/27/2020 07:05	10/27/2020	EPA-200.8 (DW)	WP MTN
81553	CBK2-Rm2KT-F3-D1	Aqueous	10/27/2020 06:56	10/27/2020	EPA-200.8 (DW)	WP MTN
81554	CBK2-Rm2KT-F3-D2	Aqueous	10/27/2020 07:06	10/27/2020	EPA-200.8 (DW)	WP MTN
81555	CBK2-Rm2KT-F4-D1	Aqueous	10/27/2020 06:56	10/27/2020	EPA-200.8 (DW)	WP MTN
81556	CBK2-Rm2KT-F4-D2	Aqueous	10/27/2020 07:05	10/27/2020	EPA-200.8 (DW)	WP MTN
81557	CBK1-Rm3BA1-F1-D1	Aqueous	10/27/2020 07:01	10/27/2020	EPA-200.8 (DW)	WP MTN
81558	CBK1-Rm3BA1-F1-D2	Aqueous	10/27/2020 07:09	10/27/2020	EPA-200.8 (DW)	WP MTN
81559	CBK1-Rm4BA1-F1-D1	Aqueous	10/27/2020 07:02	10/27/2020	EPA-200.8 (DW)	WP MTN
81560	CBK1-Rm4BA1-F1-D2	Aqueous	10/27/2020 07:08	10/27/2020	EPA-200.8 (DW)	WP MTN

Summary of Detected Analytes

Project: Lead in H2O at Children's Book of Knowle

Report Number: 20-301-0016

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
CBK1-Rm2-WC1-D2	A 81542	EPA-200.8 (DW)	Lead	4.71	µg/L	0.500	10/30/2020 12:48	
CBK1-Rm2Ba1-F1-C	A 81543	EPA-200.8 (DW)	Lead	2.72	µg/L	0.500	10/30/2020 12:50	
CBK1-Rm2Ba1-F1-C	A 81544	EPA-200.8 (DW)	Lead	0.689	µg/L	0.500	10/30/2020 12:51	
CBK1-Rm2Ba2-F1-C	A 81545	EPA-200.8 (DW)	Lead	0.937	µg/L	0.500	10/30/2020 12:53	
CBK1-Rm5-F1-D1	A 81547	EPA-200.8 (DW)	Lead	17.2	µg/L	0.500	10/30/2020 12:56	
CBK1-Rm5-F1-D2	A 81548	EPA-200.8 (DW)	Lead	2.86	µg/L	0.500	10/30/2020 12:58	
CBK2-Rm2KT-F1-D1	A 81549	EPA-200.8 (DW)	Lead	6.39	µg/L	0.500	10/30/2020 13:04	
CBK2-Rm2KT-F1-D2	A 81550	EPA-200.8 (DW)	Lead	2.36	µg/L	0.500	10/30/2020 13:05	
CBK2-Rm2KT-F2-D1	A 81551	EPA-200.8 (DW)	Lead	5.66	µg/L	0.500	10/30/2020 13:07	
CBK2-Rm2KT-F2-D2	A 81552	EPA-200.8 (DW)	Lead	1.93	µg/L	0.500	10/30/2020 13:09	
CBK2-Rm2KT-F3-D1	A 81553	EPA-200.8 (DW)	Lead	21.9	µg/L	0.500	10/30/2020 13:10	
CBK2-Rm2KT-F3-D2	A 81554	EPA-200.8 (DW)	Lead	1.07	µg/L	0.500	10/30/2020 13:12	
CBK2-Rm2KT-F4-D1	A 81555	EPA-200.8 (DW)	Lead	16.0	µg/L	0.500	11/03/2020 15:02	
CBK2-Rm2KT-F4-D2	A 81556	EPA-200.8 (DW)	Lead	0.968	µg/L	0.500	11/03/2020 15:04	

Summary of Detected Analytes

Project: Lead in H2O at Children's Book of Knowle

Report Number: 20-301-0016

Client Sample ID	Lab Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
CBK1-Rm3BA1-F1-I	A 81557					
EPA-200.8 (DW)	Lead	7.89	µg/L	0.500	11/03/2020 15:05	
CBK1-Rm3BA1-F1-I	A 81558					
EPA-200.8 (DW)	Lead	1.16	µg/L	0.500	11/03/2020 15:07	
CBK1-Rm4BA1-F1-I	A 81559					
EPA-200.8 (DW)	Lead	3.58	µg/L	0.500	11/03/2020 15:08	
CBK1-Rm4BA1-F1-I	A 81560					
EPA-200.8 (DW)	Lead	1.58	µg/L	0.500	11/03/2020 15:10	

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Sample Results

CBK1-Rm2-WC1-D2

Date Collected 10/27/2020 07:13 **WPA Lab No** 81542
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 12:48:35	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	4.71	0.500	µg/L

CBK1-Rm2Ba1-F1-D1

Date Collected 10/27/2020 07:00 **WPA Lab No** 81543
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 12:50:12	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	2.72	0.500	µg/L

CBK1-Rm2Ba1-F1-D2

Date Collected 10/27/2020 07:07 **WPA Lab No** 81544
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 12:51:49	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	0.689	0.500	µg/L

Qualifiers/Definitions MQL Method Quantitation Limit

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Sample Results

CBK1-Rm2Ba2-F1-D1

Date Collected 10/27/2020 07:00 **WPA Lab No** 81545
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 12:53:26	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	0.937	0.500	µg/L

CBK1-Rm2Ba2-F1-D2

Date Collected 10/27/2020 07:08 **WPA Lab No** 81546
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 12:55:03	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	ND	0.500	µg/L

CBK1-Rm5-F1-D1

Date Collected 10/27/2020 07:00 **WPA Lab No** 81547
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 12:56:40	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	17.2	0.500	µg/L

Qualifiers/Definitions MQL Method Quantitation Limit

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CBK1-Rm5-F1-D2

Date Collected 10/27/2020 07:06 **WPA Lab No** 81548
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 12:58:17	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	2.86	0.500	µg/L

CBK2-Rm2KT-F1-D1

Date Collected 10/27/2020 06:55 **WPA Lab No** 81549
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 13:04:11	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	6.39	0.500	µg/L

CBK2-Rm2KT-F1-D2

Date Collected 10/27/2020 07:05 **WPA Lab No** 81550
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 13:05:48	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	2.36	0.500	µg/L

Qualifiers/Definitions MQL Method Quantitation Limit

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CBK2-Rm2KT-F2-D1

Date Collected 10/27/2020 06:56 **WPA Lab No** 81551
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 13:07:25	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	5.66	0.500	µg/L

CBK2-Rm2KT-F2-D2

Date Collected 10/27/2020 07:05 **WPA Lab No** 81552
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 13:09:02	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	1.93	0.500	µg/L

CBK2-Rm2KT-F3-D1

Date Collected 10/27/2020 06:56 **WPA Lab No** 81553
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 13:10:40	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	21.9	0.500	µg/L

Qualifiers/Definitions MQL Method Quantitation Limit

Project Lead in H2O at Children's Book of Know
Information: 3921 LDH-28

Report Number: 20-301-0016
Report Date: 11/4/2020

Sample Results

CBK2-Rm2KT-F3-D2

Date Collected 10/27/2020 07:06 **WPA Lab No** 81554
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
10/29/2020 15:15	L519308	EPA-200.8	50 mL	1	10/30/2020 13:12:17	JTR	L519787

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	1.07	0.500	µg/L

CBK2-Rm2KT-F4-D1

Date Collected 10/27/2020 06:56 **WPA Lab No** 81555
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
11/03/2020 12:00	L520086	EPA-200.8	50 mL	1	11/3/2020 15:02:37	BKN	L520273

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	16.0	0.500	µg/L

CBK2-Rm2KT-F4-D2

Date Collected 10/27/2020 07:05 **WPA Lab No** 81556
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
11/03/2020 12:00	L520086	EPA-200.8	50 mL	1	11/3/2020 15:04:12	BKN	L520273

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	0.968	0.500	µg/L

Qualifiers/Definitions MQL Method Quantitation Limit

Project Lead in H2O at Children's Book of Know
Information: 3921 LDH-28

Report Number: 20-301-0016
Report Date: 11/4/2020

Sample Results

CBK1-Rm3BA1-F1-D1

Date Collected 10/27/2020 07:01 **WPA Lab No** 81557
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
11/03/2020 12:00	L520086	EPA-200.8	50 mL	1	11/3/2020 15:05:47	BKN	L520273

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	7.89	0.500	µg/L

CBK1-Rm3BA1-F1-D2

Date Collected 10/27/2020 07:09 **WPA Lab No** 81558
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
11/03/2020 12:00	L520086	EPA-200.8	50 mL	1	11/3/2020 15:07:22	BKN	L520273

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	1.16	0.500	µg/L

CBK1-Rm4BA1-F1-D1

Date Collected 10/27/2020 07:02 **WPA Lab No** 81559
Date Received 10/27/2020 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
11/03/2020 12:00	L520086	EPA-200.8	50 mL	1	11/3/2020 15:08:57	BKN	L520273

CAS#	Parameter	Result	ML	Units
7439-92-1	Lead	3.58	0.500	µg/L

Qualifiers/Definitions MQL Method Quantitation Limit

Project Lead in H2O at Children's Book of Know
Information: 3921 LDH-28

Report Number: 20-301-0016
Report Date: 11/4/2020

Sample Results

CBK1-Rm4BA1-F1-D2	Date Collected 10/27/2020 07:08	WPA Lab No 81560
	Date Received 10/27/2020	Matrix Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	By	Analytical Batch
11/03/2020 12:00	L520086	EPA-200.8	50 mL	1	11/3/2020 15:10:33	BKN	L520273

CAS#	Parameter	Result	MQL	Units
7439-92-1	Lead	1.58	0.500	µg/L

Qualifiers/Definitions MQL Method Quantitation Limit

Quality Control Data

Client ID: Materials Management Group, Inc.
Project Description: Lead in H2O at Children's Book of Knowledge
Report No: 20-301-0016

QC Prep: L519308 **QC Analytical Batch(es):** L519787
QC Prep Batch Method: EPA-200.8 **Analysis Method:** EPA-200.8 (DW)
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L519308 Matrix: AQU
Associated Lab Samples: 81542, 81543, 81544, 81545, 81546, 81547, 81548, 81549, 81550, 81551, 81552, 81553, 81554

Parameter	Units	Blank Result	MQL	Analyzed
Lead	µg/L	< 0.500	0.500	10/30/20 12:29

Laboratory Control Sample LCS-L519308

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Lead	µg/L	50.0	48.2	96.0	85-115

Matrix Spike & Matrix Spike Duplicate A 81554-MS-L519308 A 81554-MSD-L519308

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	µg/L	1.07	50.3	50.3	49.4	50.9	96.0	99.0	70-130	2.9	20.0

Quality Control Data

Client ID: Materials Management Group, Inc.
Project Description: Lead in H2O at Children's Book of Knowledge
Report No: 20-301-0016

QC Prep: L520086 **QC Analytical Batch(es):** L520273
QC Prep Batch Method: EPA-200.8 **Analysis Method:** EPA-200.8 (DW)
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L520086 Matrix: AQU
Associated Lab Samples: 81555, 81556, 81557, 81558, 81559, 81560

Parameter	Units	Blank Result	MQL	Analyzed
Lead	µg/L	< 0.500	0.500	11/03/20 14:56

Laboratory Control Sample LCS-L520086

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Lead	µg/L	50.0	47.3	95.0	85-115

Matrix Spike & Matrix Spike Duplicate Q 96032-MS-L520086 Q 96032-MSD-L520086

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	µg/L	< 0.503	50.3	50.3	47.5	46.4	95.0	92.0	70-130	2.3	20.0

Shipment Receipt Form

Customer Number: **01266**
 Customer Name: **Materials Management Group, Inc.**
 Report Number: **20-301-0016**

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 checked="" type="radio"/> Yes	<input type="radio"/> No	<input 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:



Materials Management Group, Inc.
Lead in H2O at Children's Book of Knowledge

20-301-0016
01266
10-27-2020
15:01:15


Client Name/Address Materials Management Group, Inc. 2401 Westbend Parkway, #3010 New Orleans, LA 70114		Client Project Manager/Contact Erin LeCompte		Billing Information miab@mmgnola.com	
Project Description Lead in H2O at Children's Book of Knowledge		Project/Site Location (City/State) 150 1st Street, St. Rose, LA 70087		<input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed	
Project Number 3921 LDH-28		Project Manager Phone # 504-368-0568		Project Manager Email erinL@mmgnola.com	
Purchase Order Number 3921 LDH-28		Site/Facility ID #		Method of shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	
Matrix Key WW - Wastewater GW - Groundwater DW - Drinking Water S - Soil/Solid O - Oil P - Product M - Misc		Waypoint ANALYTICAL 5041 Taravella Road Marrero, LA 70072 (504) 371-8560		Unless noted, all containers per Table II of 40 CFR Part 136.	

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	Required Analysis / Preservative	Comments/Notes
10/27/20		CBK1-Rm2-WG1-D1 omit	1	DW	G		omit
10/27/20	7:13	CBK1-Rm2-WC1-D2					81542
10/27/20	7:00	CBK1-Rm2Ba1-F1-D1					81543
10/27/20	7:07	CBK1-Rm2Ba1-F1-D2					81544
10/27/20	7:00	CBK1-Rm2Ba2-F1-D1					81545
10/27/20	7:08	CBK1-Rm2Ba2-F1-D2					81546
10/27/20	7:00	CBK1-Rm5-F1-D1					81547
10/27/20	7:06	CBK1-Rm5-F1-D2					81548
10/27/20	6:05	CBK2-Rm2KT-F1-D1					81549
10/27/20	7:05	CBK2-Rm2KT-F1-D2					81550

For Laboratory Use Only		Sampled by (Name - Print) Erin LeCompte		Client Remarks/Comments Page 1 of 2	
Ice Y/N	Custody Seals Y/N	Lab Comments	Relinquished by: (SIGNATURE) <i>[Signature]</i>	Date Time 10-27-20 12:47	Received by: (SIGNATURE) <i>[Signature]</i>
Blank/Cooler Temp			Relinquished by: (SIGNATURE) <i>[Signature]</i>	Date Time	Received by: (SIGNATURE) <i>[Signature]</i>
			Relinquished by: (SIGNATURE) <i>[Signature]</i>	Date Time	Received by: (SIGNATURE) <i>[Signature]</i>

10/27/20
1247

Client Name/Address Materials Management Group, Inc. 2401 Westbend Parkway, #3010 New Orleans, LA 70114	Client Project Manager/Contact Erin LeCompte	Billing Information miab@mmgnola.com	For Laboratory Use Only	
Project Description Lead in H2O at Children's Book of Knowledge	Project/Site Location (City/State) 150 1st Street, St. Rose, LA 70087	<input type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed	Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	Matrix Key WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil/Solid O – Oil P – Product M – Misc
Project Number 3921 LDH-28	Project Manager Phone # 504-368-0568	Project Manager Email erinL@mmgnola.com	Purchase Order Number 3921 LDH-28	Site/Facility ID #



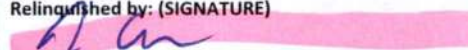


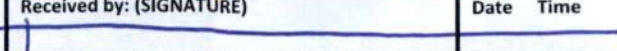
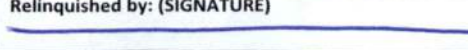

5041 Taravella Road
Marrero, LA 70072
(504) 371-8560

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

Number of Containers: 1
Matrix (Refer to Key): DW
(G)rab or (C)omposite: G
EPA 200.8 lead

Matrix Key
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

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	Required Analysis / Preservative										Comments/Notes				
10/27/20	6:56	CBK2-Rm2KT-F2-D1	1	DW	G															81551
10/27/20	7:05	CBK2-Rm2KT-F2-D2																		81552
10/27/20	6:56	CBK2-Rm2KT-F3-D1																		81553
10/27/20	7:06	CBK2-Rm2KT-F3-D2																		81554
10/27/20	6:56	CBK2-Rm2KT-F4-D1																		81555
10/27/20	7:05	CBK2-Rm2KT-F4-D2																		81556
	7:01	CBK1-Rm3BA1-F1-D1																		81557
	7:09	CBK1-Rm3BA1-F1-D2																		81558
	7:02	CBK1-Rm4BA1-F1-D1																		81559
	7:08	CBK1-Rm4BA1-F1-D2																		81566

For Laboratory Use Only		Sampled by (Name – Print) Erin LeCompte		Client Remarks/Comments Page 2 of 2			
Ice Y/N	Custody Seals Y/N	Lab Comments		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
					10/27/20 12:47		
Blank/Cooler Temp				Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
							
				Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
							10/27/20

1247

Appendix C: Laboratory Accreditations and Certifications

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Erin LeCompte

Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of

Lead Risk Assessor

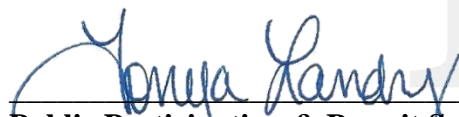
Accreditation No. OR217986

AI No. 217986

Date of Issuance October 23, 2020

Expiration October 14, 2021

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.



Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Erin LeCompte

Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of

Lead Inspector

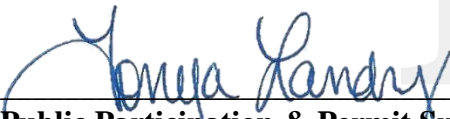
Accreditation No. OI217986

AI No. 217986

Date of Issuance October 23, 2020

Expiration October 13, 2021

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.



Public Participation & Permit Support Division
Office of Environmental Services

Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Jeffrey P Camus

**Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of**

Lead Risk Assessor

Accreditation No. MR182306

AI No. 182306

Date of Issuance March 11, 2020

Expiration March 6, 2021

**Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.**



**Public Participation & Permit Support Division
Office of Environmental Services**

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Jeffrey P Camus

**Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of**

Lead Inspector

Accreditation No. MI182306

AI No. 182306

Date of Issuance March 11, 2020

Expiration March 5, 2021

**Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.**


**Public Participation & Permit Support Division
Office of Environmental Services**

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Justin H Crochet

**Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of**

Lead Risk Assessor

Accreditation No. MR184257

AI No. 184257

Date of Issuance March 11, 2020

Expiration March 6, 2021

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.



**Public Participation & Permit Support Division
Office of Environmental Services**

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Justin H Crochet

**Has complied with all requirements of the Louisiana Department of Environmental Quality
and is authorized to perform the duties of**

Lead Inspector

Accreditation No. MI184257

AI No. 184257

Date of Issuance March 11, 2020

Expiration March 5, 2021

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a)
may result in civil and/or criminal enforcement actions by the State.



**Public Participation & Permit Support Division
Office of Environmental Services**



State of Louisiana
Louisiana Department of Health
Office of Public Health

June 30, 2020

Mr. Richard Medina
Waypoint Analytical, LLC
2790 Whitten Road
Memphis, TN 38133

LA037

Dear Mr. Medina:

The requirements for maintaining your certification status for the State of Louisiana are outlined in the 2009 TNI standards and in the Louisiana Administrative Code (LAC) for the Accreditation of Laboratories Conducting Drinking Water Analyses located in LAC 48:V.Chapter 80, LAC 51:XII.101 and 301.

Your laboratory has chosen the State of Florida as its primary TNI accreditation body. Based on its accreditation, your laboratory is granted this **2020 Certificate of Laboratory Accreditation** for all the parameters listed. The certificate must be conspicuously displayed in the laboratory in a location visible to the public.

If there are any questions, please contact me at Grant.Aucoin@LA.Gov or (225) 219-5202.

Sincerely,

A handwritten signature in blue ink, appearing to read "Grant Aucoin".

Grant Aucoin
Laboratory Certification Program Manager

Enclosures



STATE OF LOUISIANA

DEPARTMENT OF HEALTH
OFFICE OF PUBLIC HEALTH



Waypoint Analytical, LLC

2790 Whitten Road

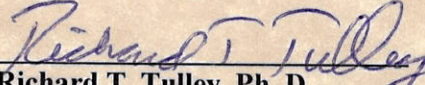
Memphis, TN 38133

is accredited by the State of Louisiana in accordance with
the 2009 TNI Standard and/or Department of Health regulations
Louisiana Administrative Code 48:V.Chapter 80 and
Louisiana Administrative Code 51:XII.101 and 301

Scope of accreditation is limited to the
“TNI Accredited Fields of Testing”
which accompany this certificate

Continued accredited status depends on successful
ongoing participation in the program

CERTIFICATE NUMBER: LA037
EFFECTIVE DATE: June 30, 2020
EXPIRATION DATE: December 31, 2020


Richard T. Tulley, Ph. D.,
Public Health Laboratory Director
1209 Leesville Avenue
Baton Rouge, Louisiana 70802


Grant Aucoin
Laboratory Accreditation Program
Manager

subject to forfeiture or revocation



Louisiana Department of Health

Office of Public Health
1209 Leesville Avenue
Baton Rouge, LA 70802
(225) 219-5202



Louisiana Accreditation - 2020

Waypoint Analytical, LLC located in Memphis, TN

meets all of the criteria necessary for ACCREDITATION by the State of Louisiana and The NELAC Institute (TNI) for the analysis of drinking water for the following contaminants:

Drinking Water Parameters

Analyte	Method	Primary AB	Method Revision # or date	Technology Description	TNI Method Code	TNI Analyte Code
Lead	EPA 200.8	FL	rev 5.4	ICP-MS	10014605	1075

The State of Florida is the primary TNI Accreditation Body for Waypoint Analytical, LLC. The Louisiana Department of Health is a secondary Accreditation Body for this laboratory. For a list of additional parameters, refer to the Florida Department of Health.

Certificate #: LA037

Issue Date: 6/30/2020

Effective Date: 6/30/2020

Expires: 12/31/2020

Page 1 of 1