

RK Occupational & Environmental Analysis Inc.

401 St. James Ave

Phillipsburg, N.J. 08865

Telephone: 908-454-6316 Fax: 908-454-4818

rkenvironmental@entermail net

Mold Assessment and Remediation

November 18, 2021

Mr. Steve Campbell

Health/Safety and Environmental Regulatory Compliance Supervisor of Buildings & Grounds

Paramus Board of Education 145 Spring Valley Road

Paramus, NJ 07652

Right-To-Know

re: Water Sampling for Compliance with N.J.A.C. 6A:26-12.4 Lead in Drinking Water: Follow-Up Water Sampling

OSHA/EPA/DOT Training Programs

Dear Mr. Campbell,

Asbestos and Lead Management This follows our previous report on the subject and covers water sampling that was conducted on November 05, 2021.

Industrial Hygiene/ OSHA Compliance There were a total of eighteen (18) locations with sample results that exceeded the 0.015 mg/l (15 ppb) Standard for Lead during the initial water sampling. One of these locations was turned off and will remain out of service. The other 17 water outlets at the other were flushed and cleaned before the follow-up samples were collected.

Indoor Air Quality

Underground/ Aboveground Storage Tanks

Underground/ Others continu

Four (4) of the follow-up samples showed no detectible levels of Lead present while five (5) others continue to show unacceptable Lead results. This report outlines the sampling results and recommendations.

Environmental Site Assessment If you have any questions, please don't hesitate to call us.

Sincerely,

Hazardous/ Medical Waste Management

Patrick D. McGuinness, MS. P.E.

Vice President

Environmental Audits

Attachment

(file ... \Proposal\WaterTest\Paramus Re-Test1)

Expert Witness/ Litigation Support

Customized Software

Addendum #1 to Sampling Report - Lead in Drinking Water Paramus Board of Education

1. Background and Sampling Summary

During the initial sampling performed on August 12, 2021, a total of 114 drinking water taps were sampled for Lead and Copper in the District's buildings. There were a total of eighteen (18) samples had measured levels of Lead that exceeded the 0.015 mg/L standard.

Re-sampling at both buildings was conducted on November 05, 2021. One water tap at the High School was turned off and will remain out of service while the other seventeen (17) were resampled. Twelve (12) of the repeat samples showed acceptable results with four (4) water taps showing no detectible levels of Lead present. However, five (5) of the re-samples continue to show results above the Drinking Water Standard.

Bubbler in Rm. 108 has been taken out of service

It is recommended that the bubbler in Room 108 at the Memorial Elementary School be turned off and remain out of service. If needed, and on an interim basis, the other four (4) outlets could be safely used for drinking or cooking provided each tap is flushed for 2 minutes at the beginning of each day.

Otherwise, those four water outlets should remain out of service until there are acceptable Lead sampling results.

2. Water Sampling Results

All results are shown in terms of parts per billion (ppb). This unit of measure is equivalent to micrograms of Lead per liter of water (μ g/L). Whereas the current drinking water standard for Lead in Drinking Water is promulgated as 0.015 mg/L, that level can also be expressed as 15 μ g/L. Results could also be expressed in equivalent terms of parts per billion (ppb) where the standard translates to 15 ppb.

Water sampling logs with results for the re-test samples are attached. In addition, the water sampling results for both the initial sampling in August are compared with the November sample results on **Table 1** at the end of this report. The laboratory analytical report is appended to this report.

A total of five (5) water taps still show unacceptable results for Lead in the water samples. Three of the four samples collected at the east Brook Middle School continue to show Lead levels above the 15 ppb standard. In addition, there was one sample each at the Parkway and Memorial Elementary Schools also unacceptable Lead results.

3. Conclusions and Recommendations

It is known that flushing water through drinking water taps will reduce the levels of Lead present in the drinking water. If needed, and on an interim basis only, the water taps that continue to show unacceptable sampling results can be safely used for drinking or cooking provided each tap is flushed for 2 minutes at the beginning of each day. This should only be considered an interim basis.

Acceptable re-sample results were obtained at the High School, West Brook Middle School, and the Ridge Ranch and Stoney lane Elementary Schools and these water outlets can be returned to service. Recommendations for the other five (5) water taps still above the 15 ppb standard are as follows:

East Brook Middle School:

Kitchen Sink, across from prep area & freezer Nurse's Office sink / Eye Wash Sink in Instrumental Music Room

Leave turned off or flush outlet daily Leave turned off or flush outlet daily Post sign "Not for Drinking Water"

Parkway Elementary School:

Main Office Break Room

Leave turned off or flush outlet daily

Memorial Elementary School:

Bubbler in Room 108

Leave turned off and remove from service

The NJ Dept of Education drinking water regulation also requires that water samples be collected after any work on the outlet fixture or on the plumbing supply lines to a water tap.

Unless the water taps noted above are flushed daily they should remain out of service until they can be inspected, repaired or replaced, and then only returning to unrestricted service again after having acceptable Lead sampling results.

Report prepared by:

Patrick D. McGuinness, MS. P.E.

Vice President

Water Sampling Log - ReTests

Name of Building see below Date Collected 05-Nov-21
Building Owner Paramus Board of Education Sample Collected by JS Gilbert

Sample	Тар	Sample	Type of				Results	s (mg/L)
No.	No.	Туре	Outlet	Manufacturer		Time	Cu	Pb
					High School			
RK-110521-01	14	1st	Ice Maker		Outside Trainer's	07:20	XX	< 0.0010
RK-110521-02	13	1st	Sink/faucet		Nurse Office	07:25	XX	0.0025
RK-110521-03	5	1st	Sink/faucet		Faculty Room	07:30	XX	0.0123
RK-110521-04	33	1st	Chiller		Board Office Hall	07:35	XX	< 0.0010
					East Brook Middle School			
RK-110521-05	3	1st	Sink/faucet		Kitchen - across from prep area & freezer	09:34	XX	0.0230
RK-110521-06	4	1st	Sink/faucet		Kitchen - across from refrigerator	09:33	XX	0.0042
RK-110521-07	8	1st	Sink/Eye wash		Nurse Office Hand Wash Only	09:30	XX	0.0242
RK-110521-08	9	1st	Sink		Instrument Music Room Proum A3 - HAND	09:28	XX	0.0552
					WHONLY			
					Parkway Elementary School			
RK-110521-09	4	1st	Sink		PTA Kitchen - left side	09:10	XX	< 0.001
RK-110521-10	7	1st	Sink/faucet		Main Office Break Room > Hand Wash	09:25	XX	0.1800
					&n/Y			
		-						

Sample Type:

1st: First Draw sample collected after water sat in pipe between 8 and 18 hours

FL: Water flushed through tap for at least 2 minutes

<: means Not Detected at or above the Reliability Detection Limit (RDL) of 0.0010 mg/L for Lead.

Water Sampling Log - ReTests

Name of Building Building Owner

see below
Paramus Board of Education

Date Collected 05-Nov-21
Sample Collected by JS Gilbert

Sample	Tap No.	Sample Type	Type of Outlet	Manufacturer			Results (mg/L)	
No.						Time	Cu	Pb
					West Brook Middle School			
RK-110521-11	8	1st	Bubbler		Hallway - next to Faculty Women's Room	11:15	XX	0.0010
RK-110521-12	13	1st	Sink/faucet		Kitchen - prep sink faucet	11:17	XX	0.0116
RK-110521-13	14	1st	Sink		Kitchen Prep Sink	11:17	XX	0.0063
RK-110521-14	17	1st	Sink/faucet		Storage next to Room 30	11:20	XX	0.0051
					Memorial Elementary School			
RK-110521-15	6	1st	Bubbler		Room 108 **	12:05	XX	0.1860
-	·				Ridge Ranch Elementary School			
RK-110521-16	6	1st	Bubbler	Halsey Taylor	Hallway - across from Resource Room	11:49	XX	0.0015
	-				Stoney Lane Elementary School			
RK-110521-17	9	1st	Sink/faucet		Faculty Room	10:15	XX	< 0.001

Sample Type:

1st: First Draw sample collected after water sat in pipe between 8 and 18 hours

FL: Water flushed through tap for at least 2 minutes

<: means Not Detected at or above the Reliability Detection Limit (RDL) of 0.0010 mg/L for Lead.</p>

Table 1: Water Outlets with Greater than 15 μg/L for Lead Comparison of Initial and Re-Test Results for Lead

Sample Location Aug 10 (μg/l or ppb) Nov 05 (μg/l or ppb) High School 17.6 12.3 Sink in Faculty Room 53.5 2.5 Sink in Nurse's Office 20.3 None Detected Chiller outside Board Office 4,250 Out of Service Chiller in Board Office hallway 65.5 None Detected East Brook Middle School Kitchen Sink, across from prep area & freezer 1,110 23.0 Kitchen Sink, across from refrigerator 30.3 4.2 Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School 19.3 None Detected PTA Kitchen Sink, left side 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School 18.3 180 Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink 23.7 6.3 Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School Bubbler in hallway acros		Initial Results	ReTest Results
High School 17.6 12.3 Sink in Faculty Room 17.6 12.3 Sink in Nurse's Office 20.3 None Detected Chiller outside Board Office 4.250 Out of Service Chiller in Board Office 4.250 Out of Service Chiller in Board Office 4.250 Out of Service Chiller in Board Office 4.250 None Detected East Brook Middle School Kitchen Sink, across from prep area & freezer 1,110 23.0 Kitchen Sink, across from refrigerator 30.3 4.2 Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School PTA Kitchen Sink, left side 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink 23.7 6.3 Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room 35.7 1.5 Stoney Lane Elementary School	Sample Location		
High School Sink in Faculty Room 17.6 12.3 2.5 2	Sample Zoemion		
Sink in Faculty Room	High School	(PB of PPs)	(rg · rp)
Sink in Nurse's Office 53.5 2.5 Ice Maker outside Trainer's Office 20.3 None Detected Chiller outside Board Office 4,250 Out of Service Chiller in Board Office hallway 65.5 None Detected East Brook Middle School Kitchen Sink, across from prep area & freezer 1,110 23.0 Kitchen Sink, across from refrigerator 30.3 4.2 Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School 18.3 180 Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink faucet 90.0 15.5 Kitchen Prep Sink faucet 90.0 15.5 Kitchen Prep Sink faucet 90.0 <td></td> <td>17.6</td> <td>12.3</td>		17.6	12.3
Ce Maker outside Trainer's Office			
Chiller outside Board Office Chiller in Board Office hallway East Brook Middle School Kitchen Sink, across from prep area & freezer Kitchen Sink, across from refrigerator Nurse's Office sink / Eye Wash Sink in Instrumental Music Room PTA Kitchen Sink, left side Main Office Break Room Mest Brook Middle School Bubbler in hall by Faculty Women's Room Kitchen Prep Sink Sink in Storage Room, next to Room 30 Memorial Elementary School Bubbler in hallway across from Resource Room Ridge Ranch Elementary School Bubbler in hallway across from Resource Room Ridge Lane Elementary School Bubbler in hallway across from Resource Room Stoney Lane Elementary School	STOCKET SECTION OF THE SECTION OF TH		
East Brook Middle School Kitchen Sink, across from prep area & freezer 1,110 23.0 Kitchen Sink, across from prep area & freezer 1,110 23.0 Kitchen Sink, across from refrigerator 30.3 4.2 Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School 55.2 PTA Kitchen Sink, left side 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School 21.1 1.0 Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink faucet 23.7 6.3 Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room 35.7 1.5 Stoney Lane Elementary School 35.7 1.5			
Kitchen Sink, across from prep area & freezer 1,110 23.0 Kitchen Sink, across from refrigerator 30.3 4.2 Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School PTA Kitchen Sink, left side 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink faucet 23.7 6.3 Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School 35.7 1.5 Stoney Lane Elementary School 35.7 1.5	The Control of Control		
Kitchen Sink, across from prep area & freezer 1,110 23.0 Kitchen Sink, across from refrigerator 30.3 4.2 Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School PTA Kitchen Sink, left side 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink faucet 23.7 6.3 Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School 35.7 1.5 Stoney Lane Elementary School 35.7 1.5	Fast Brook Middle School		
Kitchen Sink, across from refrigerator 30.3 4.2 Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School 19.3 None Detected PTA Kitchen Sink, left side 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School 21.1 1.0 Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School 35.7 1.5 Stoney Lane Elementary School 35.7 1.5		1 110	23.0
Nurse's Office sink / Eye Wash 38.4 24.2 Sink in Instrumental Music Room 43.1 55.2 Parkway Elementary School 19.3 None Detected PTA Kitchen Sink, left side 19.3 None Detected Main Office Break Room 18.3 180 West Brook Middle School 21.1 1.0 Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink 23.7 6.3 Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School 35.7 1.5 Stoney Lane Elementary School 35.7 1.5			
Sink in Instrumental Music Room			
Parkway Elementary School PTA Kitchen Sink, left side Main Office Break Room 19.3 None Detected 18.3 180 West Brook Middle School Bubbler in hall by Faculty Women's Room Kitchen Prep Sink faucet Kitchen Prep Sink 23.7 6.3 Sink in Storage Room, next to Room 30 Memorial Elementary School Bubbler in Room 108 62.1 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room 35.7 Stoney Lane Elementary School			
PTA Kitchen Sink, left side Main Office Break Room 19.3 180	Sink in histramental waste Room	43.1	55.4
Main Office Break Room 18.3 180 West Brook Middle School 21.1 1.0 Bubbler in hall by Faculty Women's Room 21.1 1.0 Kitchen Prep Sink faucet 90.0 11.6 Kitchen Prep Sink Sink in Storage Room, next to Room 30 23.7 6.3 Sink in Storage Room, next to Room 30 45.5 5.1 Memorial Elementary School 62.1 186 Ridge Ranch Elementary School 35.7 1.5 Stoney Lane Elementary School 35.7 1.5	Parkway Elementary School		
West Brook Middle School21.11.0Bubbler in hall by Faculty Women's Room21.11.0Kitchen Prep Sink faucet90.011.6Kitchen Prep Sink23.76.3Sink in Storage Room, next to Room 3045.55.1Memorial Elementary School5.1Bubbler in Room 10862.1186Ridge Ranch Elementary School35.71.5Stoney Lane Elementary School	PTA Kitchen Sink, left side	19.3	None Detected
Bubbler in hall by Faculty Women's Room Kitchen Prep Sink faucet Kitchen Prep Sink Sink in Storage Room, next to Room 30 Memorial Elementary School Bubbler in Room 108 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room Stoney Lane Elementary School Stoney Lane Elementary School	Main Office Break Room	18.3	180
Bubbler in hall by Faculty Women's Room Kitchen Prep Sink faucet Kitchen Prep Sink Sink in Storage Room, next to Room 30 Memorial Elementary School Bubbler in Room 108 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room Stoney Lane Elementary School Stoney Lane Elementary School	West Brook Middle School		
Kitchen Prep Sink faucet Kitchen Prep Sink Sink in Storage Room, next to Room 30 Memorial Elementary School Bubbler in Room 108 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room Stoney Lane Elementary School		21.1	1.0
Kitchen Prep Sink Sink in Storage Room, next to Room 30 Memorial Elementary School Bubbler in Room 108 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room Stoney Lane Elementary School Stoney Lane Elementary School		90.0	11.6
Sink in Storage Room, next to Room 30 Memorial Elementary School Bubbler in Room 108 62.1 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room 35.7 Stoney Lane Elementary School		23.7	6.3
Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room 35.7 1.5 Stoney Lane Elementary School		45.5	
Bubbler in Room 108 62.1 186 Ridge Ranch Elementary School Bubbler in hallway across from Resource Room 35.7 1.5 Stoney Lane Elementary School	Memorial Elementary School		
Ridge Ranch Elementary School Bubbler in hallway across from Resource Room 35.7 Stoney Lane Elementary School		62.1	186
Bubbler in hallway across from Resource Room 35.7 1.5 Stoney Lane Elementary School	Bubblet in Room 100	02.1	100
Stoney Lane Elementary School	Ridge Ranch Elementary School		
	Bubbler in hallway across from Resource Room	35.7	1.5
	Stoney Lane Elementary School		
		38.0	None Detected



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: R. K. Environmental Consultants

401 St. James Ave.

Phillipsburg NJ 08865

Client: RKE630

Report Date: 11/11/2021

Report No.: 647201 - Lead Water Project: Paramus BOE Lead

Project No.:

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7314109 Location: Paramus High Sch Ice Maker Outside Trainer's Result(ppb):<1.00 Client No.: RK110521-01 Office * Sample acidified to pH <2. Lab No.:7314110 Location: PHS Sink In Nurse's Office Result(ppb):2.50 Client No.:RK110521-02 * Sample acidified to pH <2. Location: PHS Guidance Break Rm Sink Lab No.:7314111 Client No.:RK110521-03 * Sample acidified to pH <2. Lab No.:7314112 Location: PHS Chiller In Board Office Hall * Sample acidified to pH <2. Client No.: RK110521-04 Location: East Brook Middle Sch Kitchen Sink Across Lab No.:7314113 Result(ppb):23.0 From Prep Area And Freezer Client No.: RK110521-05 * Sample acidified to pH <2. Lab No.:7314114 Location: EBMS Kitchen Access From Refridgerator Result(ppb):4.20 * Sample acidified to pH <2. Client No.: RK110521-06 Location: EBMS Nurse's Office Sink Lab No.:7314115 * Sample acidified to pH <2. Client No.: RK110521-07 Lab No.:7314116 Location: EBMS Sink In Instrumental Music Rm Result(ppb):55.2 * Sample acidified to pH <2. Client No.: RK110521-08 Lab No.:7314117 Location: Parkway Elem Sch PTA Kitchen Sink Left Side Result(ppb):<1.00 Client No.: RK110521-09 * Sample acidified to pH <2.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

11/8/2021

Date Analyzed:

11/11/2021

Signature: Analyst:

Mark Stewart

Dated: 11/12/2021 5:44:51

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Frank Francisco

Page 1 of 4



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: R. K. Environmental Consultants

401 St. James Ave.

Phillipsburg NJ 08865

Client: RKE630

Report Date: 11/11/2021

Report No.:

647201 - Lead Water

Project:

Paramus BOE Lead

Project No.:

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7314118 Location: PES Main Office Break Rm Result(ppb):180 Client No.: RK110521-10 * Sample acidified to pH <2. Lab No.:7314119 Location: West Brook Mid Sch Bubbler In Hall By Result(ppb):1.00 Client No.: RK110521-11 Women's Faculty Rm * Sample acidified to pH <2. Lab No.:7314120 Location: WBMS Kitchen Prep Sink Faucet Result(ppb):11.6 Client No.:RK110521-12 * Sample acidified to pH <2. Lab No.:7314121 Location: WBMS Kitchen Prep Sink * Sample acidified to pH <2. Client No.: RK110521-13 Lab No.:7314122 Location: WBMS Sink In Storage Rm Next To Rm 30 Result(ppb): 5.10 Client No.:RK110521-14 * Sample acidified to pH <2. Lab No.:7314123 Location: Memorial Elem Sch Bubbler In Rm 108 Result(ppb):186 Client No.:RK110521-15 * Sample acidified to pH <2. Lab No.:7314124 Location: Ridge Ranch Elem Sch Bubbler In Hall Across Result(ppb): 1.50 Client No.: RK110521-16 Resource Rm 100 Wing * Sample acidified to pH <2. Location: Stoney Lane Elem Sch Faculty Rm Sink Result(ppb):<1.00 Lab No.: 7314125 Client No.: RK110521-17 * Sample acidified to pH <2.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:

11/8/2021

Date Analyzed:

11/11/2021

Signature:

Analyst: Mark Stewart

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 2 of 4



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: R. K. Environmental Consultants

Report Date:

11/11/2021

401 St. James Ave.

Report No.:

647201 - Lead Water

Phillipsburg NJ 08865

Project:

Paramus BOE Lead

00002

Project No.:

Client: RKE630

Appendix to Analytical Report:

Customer Contact: Jonathan Gilbert Analysis: AAS-GF - ASTM D3559-08D

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com iATL OfficeManager: ?wchampion@iatl.com iATL Account Representative: Shirley Clark Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Water

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:

- ASTM D3559-08D

- Certification: - NYS-DOH No. 11021
- NJDEP No. 03863

Note: These methods are analytically equivalent to iATL's accredited method;

- USEPA 40CFR 141.11B
- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7421 Pb(AAS-GF, RL <2 ppb/sample)

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 μ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 11/12/2021 5:44:51 Page 3 of 4



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449

Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: R. K. Environmental Consultants

401 St. James Ave.

Phillipsburg NJ 08865

Client: RKE630

Report Date: 11/11/2021

Report No.:

647201 - Lead Water

Project:

Paramus BOE Lead

Project No.:

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same degree as the dilution required.

Note: Sample dilution required due to matrix interference.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

* ASTM D3559 (D) calls for the addition of acid at the time of sampling. Unless so noted on the chain of custody by the client iATL acidifies samples to a pH of <2 at least 24 hours prior to analysis.

Dated: 11/12/2021 5:44:51 Page 4 of 4