



Keystone Laboratories - Kansas City  
 CERTIFICATE OF ANALYSIS  
 3GJ0154

**North Nodaway R-VI School District**

**Project Name: MO School Lead Testing**

Chris Turpin  
 705 East Barnard  
 Hopkins, MO 64461

Project / PO Number: MO School Lead Testing / Lead T  
 Received: 10/23/2023  
 Reported: 10/31/2023

**Analytical Testing Parameters**

<b>Client Sample ID:</b> HST1	<b>Collected By:</b> BH
<b>Sample Matrix:</b> Drink Wtr	<b>Collection Date:</b> 10/19/2023 6:00
<b>Lab Sample ID:</b> 3GJ0154-01	

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	0.5	0.4	ppb	2		10/25/23 0937	10/25/23 2239	RVV

<b>Client Sample ID:</b> HST2	<b>Collected By:</b> BH
<b>Sample Matrix:</b> Drink Wtr	<b>Collection Date:</b> 10/19/2023 6:05
<b>Lab Sample ID:</b> 3GJ0154-02	

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	0.9	0.4	ppb	2		10/25/23 0937	10/25/23 2243	RVV

<b>Client Sample ID:</b> HST3	<b>Collected By:</b> BH
<b>Sample Matrix:</b> Drink Wtr	<b>Collection Date:</b> 10/19/2023 6:08
<b>Lab Sample ID:</b> 3GJ0154-03	

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	0.9	0.4	ppb	2		10/25/23 0937	10/25/23 2248	RVV

<b>Client Sample ID:</b> HST4	<b>Collected By:</b> BH
<b>Sample Matrix:</b> Drink Wtr	<b>Collection Date:</b> 10/19/2023 6:10
<b>Lab Sample ID:</b> 3GJ0154-04	

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	1.2	0.4	ppb	2		10/25/23 0937	10/25/23 2253	RVV



Keystone Laboratories - Kansas City  
 CERTIFICATE OF ANALYSIS  
 3GJ0154

<b>Client Sample ID:</b> HST5		<b>Collected By:</b> BH	
<b>Sample Matrix:</b> Drink Wtr		<b>Collection Date:</b> 10/19/2023 6:15	
<b>Lab Sample ID:</b> 3GJ0154-05			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0937	10/25/23 2258	RVV

<b>Client Sample ID:</b> HST6		<b>Collected By:</b> BH	
<b>Sample Matrix:</b> Drink Wtr		<b>Collection Date:</b> 10/19/2023 6:16	
<b>Lab Sample ID:</b> 3GJ0154-06			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0937	10/25/23 2312	RVV

<b>Client Sample ID:</b> HST7		<b>Collected By:</b> BH	
<b>Sample Matrix:</b> Drink Wtr		<b>Collection Date:</b> 10/19/2023 6:45	
<b>Lab Sample ID:</b> 3GJ0154-07			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0937	10/25/23 2316	RVV

<b>Client Sample ID:</b> HST8		<b>Collected By:</b> BH	
<b>Sample Matrix:</b> Drink Wtr		<b>Collection Date:</b> 10/19/2023 6:42	
<b>Lab Sample ID:</b> 3GJ0154-08			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0937	10/25/23 2321	RVV

<b>Client Sample ID:</b> HST9		<b>Collected By:</b> BH	
<b>Sample Matrix:</b> Drink Wtr		<b>Collection Date:</b> 10/19/2023 6:50	
<b>Lab Sample ID:</b> 3GJ0154-09			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	0.5	0.4	ppb	2		10/25/23 0937	10/25/23 2326	RVV



Keystone Laboratories - Kansas City  
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Client Sample ID:	HST10	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:20
Lab Sample ID:	3GJ0154-10		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	6.9	0.4	ppb	2		10/25/23 0937	10/25/23 2331	RVV

Client Sample ID:	HST11	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:25
Lab Sample ID:	3GJ0154-11		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0937	10/25/23 2335	RVV

Client Sample ID:	HST12	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:25
Lab Sample ID:	3GJ0154-12		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0937	10/25/23 2340	RVV

Client Sample ID:	HST13	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:30
Lab Sample ID:	3GJ0154-13		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	1.5	0.4	ppb	2		10/25/23 0937	10/25/23 2345	RVV

Client Sample ID:	HST14	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:33
Lab Sample ID:	3GJ0154-14		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	2.1	0.4	ppb	2		10/25/23 0937	10/25/23 2349	RVV



Keystone Laboratories - Kansas City  
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Client Sample ID:	HST15	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:35
Lab Sample ID:	3GJ0154-15		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	3.3	0.4	ppb	2		10/25/23 0937	10/25/23 2354	RVV

Client Sample ID:	HST16	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:36
Lab Sample ID:	3GJ0154-16		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0937	10/26/23 0008	RVV

Client Sample ID:	HST17	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 6:40
Lab Sample ID:	3GJ0154-17		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	1.5	0.4	ppb	2		10/25/23 0939	10/26/23 0022	RVV

Client Sample ID:	ELT1	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 7:15
Lab Sample ID:	3GJ0154-18		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0939	10/26/23 0037	RVV

Client Sample ID:	ELT2	Collected By:	BH
Sample Matrix:	Drink Wtr	Collection Date:	10/19/2023 7:10
Lab Sample ID:	3GJ0154-19		

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0939	10/26/23 0041	RVV



Keystone Laboratories - Kansas City  
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Client Sample ID: <span style="color: #00AEEF;">ELT3</span>		Collected By: <span style="color: #00AEEF;">BH</span>	
Sample Matrix: <span style="color: #00AEEF;">Drink Wtr</span>		Collection Date: <span style="color: #00AEEF;">10/19/2023 7:20</span>	
Lab Sample ID: <span style="color: #00AEEF;">3GJ0154-20</span>			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0939	10/26/23 0046	RVV

Client Sample ID: <span style="color: #00AEEF;">ELT4</span>		Collected By: <span style="color: #00AEEF;">BH</span>	
Sample Matrix: <span style="color: #00AEEF;">Drink Wtr</span>		Collection Date: <span style="color: #00AEEF;">10/19/2023 7:24</span>	
Lab Sample ID: <span style="color: #00AEEF;">3GJ0154-21</span>			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<0.4	0.4	ppb	2		10/25/23 0939	10/26/23 0051	RVV

Client Sample ID: <span style="color: #00AEEF;">ELT5</span>		Collected By: <span style="color: #00AEEF;">BH</span>	
Sample Matrix: <span style="color: #00AEEF;">Drink Wtr</span>		Collection Date: <span style="color: #00AEEF;">10/19/2023 7:30</span>	
Lab Sample ID: <span style="color: #00AEEF;">3GJ0154-22</span>			

Analyses Performed by: Keystone Laboratories - Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
<b>200.8</b>								
Lead, total	<b>0.4</b>	0.4	ppb	2		10/25/23 0939	10/26/23 0105	RVV

**Definitions**

RL: Reporting Limit

**Report Comments**

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.*

**Reviewed and Approved By:**

Sue Thompson  
 Client Services Manager  
 10/31/23 06:10

**SITE INFORMATION**

Sampler:

Project: MO School Lead Testing  
Lead Testing

**REPORT TO**

Chris Turpin  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**INVOICE TO**

Chris Turpin  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 3GJ0154

Temperature 22.1

Turn-Cooler: No

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice N/A

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	<u>HST1</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>6:00</u>	<u>1</u>	pb-t-200.8	<u>01</u>
-002	<u>HST2</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>6:05</u>	<u>1</u>	pb-t-200.8	<u>02</u>
-003	<u>HST3</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>6:08</u>	<u>1</u>	pb-t-200.8	<u>03</u>
-004	<u>HST4</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>6:10</u>	<u>1</u>	pb-t-200.8	<u>04</u>
-005	<u>HST5</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>6:15</u>	<u>1</u>	pb-t-200.8	<u>05</u>
-006	<u>HST6</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>6:16</u>	<u>1</u>	pb-t-200.8	<u>06</u>
-007	<u>HST7</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>6:45</u>	<u>1</u>	pb-t-200.8	<u>07</u>

Relinquished By [Signature] Date/Time 10/20/2023 9:00 AM

Relinquished By [Signature] Date/Time 10/23/23 4:30  
Received for Lab By [Signature] Date/Time 10/30

Remarks: EE 8

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_



**SITE INFORMATION**

**Sampler:**  
  
**Project:** MO School Lead Testing  
Lead Testing

**REPORT TO**

**Chris Turpin**  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**INVOICE TO**

**Chris Turpin**  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

**Work Order** 3GJ0154  
**Temperature** 22.1  
**Turn-Cooler:** No

- Custody Seal
- Containers Intact
- COC/Labels Agree
- Preservation Confirmed
- Received on Ice N/A

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-008	<u>HST 8</u>	Drink Wtr	NR	<u>10/14/23</u>	<u>6:42</u>	<u>1</u>	pb-t-200.8	<u>08</u>
-009	<u>HST 9</u>	Drink Wtr	NR	<u>10/14/23</u>	<u>6:50</u>	<u>1</u>	pb-t-200.8	<u>09</u>
-010	<u>HST 10</u>	Drink Wtr	NR	<u>10/14/23</u>	<u>6:20</u>	<u>1</u>	pb-t-200.8	<u>10</u>
-011	<u>HST 11</u>	Drink Wtr	NR	<u>10/14/23</u>	<u>6:25</u>	<u>1</u>	pb-t-200.8	<u>11</u>
-012	<u>HST 12</u>	Drink Wtr	NR	<u>10/14/23</u>	<u>6:25</u>	<u>1</u>	pb-t-200.8	<u>12</u>
-013	<u>HST 13</u>	Drink Wtr	NR	<u>10/14/23</u>	<u>6:30</u>	<u>1</u>	pb-t-200.8	<u>13</u>
-014	<u>HST 14</u>	Drink Wtr	NR	<u>10/14/23</u>	<u>6:33</u>	<u>1</u>	pb-t-200.8	<u>14</u>

Relinquished By CKC Date/Time 10/20/23 9:00 AM

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_  
Received for Lab By Kyle Laffoon Date/Time 10/23/23 8:30

Remarks: \_\_\_\_\_

**SITE INFORMATION**

Sampler:

Project: **MO School Lead Testing**  
Lead testing

**REPORT TO**

Chris Turpin  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**INVOICE TO**

Chris Turpin  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**SPECIAL INSTRUCTIONS**

None

**Turn Around Time**

Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 3GJ0154

Temperature No 22.1

Turn-Cooler:

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice N/A

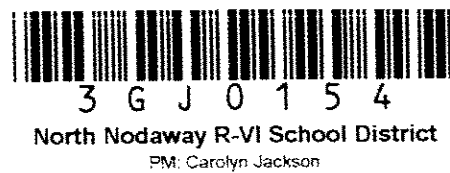
Number	Sample Identification / Client ID	Matrix	Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-015	HST 15	Drink Wtr	NR	10/19/23	6:35	1	pb-t-200.8	15
-016	HST 16	Drink Wtr	NR	10/19/23	6:36	1	pb-t-200.8	16
-017	HST 17	Drink Wtr	NR	10/19/23	6:46	1	pb-t-200.8	17
-018	ELT 1	Drink Wtr	NR	10/19/23	7:15	1	pb-t-200.8	18
-019	ELT 2	Drink Wtr	NR	10/19/23	7:10	1	pb-t-200.8	19
-020	ELT 3	Drink Wtr	NR	10/19/23	7:20	1	pb-t-200.8	20
-021	ELT 4	Drink Wtr	NR	10/19/23	7:24	1	pb-t-200.8	21

Relinquished By [Signature] Date/Time 10/24/23 9:00am

Received By [Signature] Date/Time 10/23/23 8:30

Remarks:





**SITE INFORMATION**

Sampler:

Project: **MO School Lead Testing**  
Lead Testing

**REPORT TO**

Chris Turpin  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**INVOICE TO**

Chris Turpin  
North Nodaway R-VI School District  
705 East Barnard  
Hopkins, MO 64461

**SPECIAL INSTRUCTIONS**

None

Turn Around Time  
 Standard  RUSH, need by \_\_\_/\_\_\_/\_\_\_

**LAB USE ONLY**

Work Order 3GJ0154

Temperature 22.1

Turn-Cooler: **No**

Custody Seal  
 Containers Intact  
 COC/Labels Agree  
 Preservation Confirmed  
 Received on Ice N/A

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-022	<u>ELTS</u>	Drink Wtr	NR	<u>10/19/23</u>	<u>7:30</u>	<u>1</u>	pb-t-200.8	<u>22</u>

Relinquished By [Signature] Date/Time 10/20/23 9:00 am

Received By \_\_\_\_\_ Date/Time \_\_\_\_\_

Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_

Received for Lab By Kyle Johnson Date/Time 10/23/23 8:30

Remarks:

**North Nodaway R-VI School District**  
*Water Lead Testing*

<u>Label Code</u>	<u>Location</u>	<u>Type</u>	<u>Tested</u>	<u>Non-Tested</u>
HST1	First Floor	Fountain	X	
HST2	First Floor Apartment	Sink	X	
HST3	Kitchen	Dishwasher Sink Basin	X	
HST4	Kitchen	Prep Sink	X	
HST5	West Gym Hall	Fountain	X	
HST6	West Gym Hall	Bottle Filler	X	
HST7	Rec Center	Fountain	X	
HST8	Rec Center	Bottle Filler	X	
HST9	AG Hallway	Fountain	X	
HST10	Nurses Office	Sink	X	
HST11	2nd Floor	Fountain	X	
HST12	2nd Floor	Bottle Filler	X	
HST13	FAC Room Left	Sink	X	
HST14	FAC Room Center	Sink	X	
HST15	FAC Room Right	Sink	X	
HST16	Cafeteria Storage Room	Ice Machine	X	
HST17	Commons Concession	Sink	X	
ELT1	Classroom Hallway	Fountain	X	
ELT2	Classroom Hallway	Bottle Filler	X	
ELT3	Cafeteria End of Hallway	Fountain	X	
ELT4	Cafeteria End of Hallway	Bottle Filler	X	
ELT5	Kitchen	Prep Sink	X	



3 G J 0 1 5 4

North Nodaway R-VI School District  
 PM: Carolyn Jackson