



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

19J0728

Revised Report: Workorder modified- See Case Narrative.

KCI Technologies

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936 Ridgebrook Road
Sparks, MD 21152

Project Name: Long Reach High School

Project / PO Number: N/A
Received: 10/09/2019
Reported: 10/28/2019

Case Narrative

MMM 10/22/2019 Work order amended to update sampling date. MMM 10/28/2019 Project name updated per client request.

Analytical Testing Parameters

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (LRHS-01 KS- KITCHEN SINK, Drinking Water, 19J0728-01, etc.)

Table header for Metals, Total by EPA 200 Series Methods with columns: Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Table row for Method: EPA 200.2/EPA 200.8, Lead, Result: 4.1, Limit: 20.0, RL: 1.0, Units: ppb, Analyst: GHW

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (LRHS-02 KS- KITCHEN SINK, Drinking Water, 19J0728-02, etc.)

Table header for Metals, Total by EPA 200 Series Methods with columns: Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Table row for Method: EPA 200.2/EPA 200.8, Lead, Result: 1.0, Limit: 20.0, RL: 1.0, Units: ppb, Analyst: GHW

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (LRHS-04 KS- KITCHEN SINK, Drinking Water, 19J0728-03, etc.)

Table header for Metals, Total by EPA 200 Series Methods with columns: Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Table row for Method: EPA 200.2/EPA 200.8, Lead, Result: <1.0, Limit: 20.0, RL: 1.0, Units: ppb, Analyst: GHW



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<b>Client Sample ID:</b> LRHS-05 KK-KITCHEN KETTLE	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:35
<b>Lab Sample ID:</b> 19J0728-04	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.4	20.0	1.0	ppb		10/14/19 0712	10/14/19 1049	GHW

<b>Client Sample ID:</b> LRHS-06 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:38
<b>Lab Sample ID:</b> 19J0728-05	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1050	GHW

<b>Client Sample ID:</b> LRHS-07 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:39
<b>Lab Sample ID:</b> 19J0728-06	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1051	GHW

<b>Client Sample ID:</b> LRHS-08 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:40
<b>Lab Sample ID:</b> 19J0728-07	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1052	GHW



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<b>Client Sample ID:</b> LRHS-09 NO- Nurse's Office Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:41
<b>Lab Sample ID:</b> 19J0728-08	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	4.3	20.0	1.0	ppb		10/14/19 0712	10/14/19 1053	GHW

<b>Client Sample ID:</b> LRHS-10 OT ADMINISTRATIVE AREA SINK	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:43
<b>Lab Sample ID:</b> 19J0728-09	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	1.7	20.0	1.0	ppb		10/14/19 0712	10/14/19 1054	GHW

<b>Client Sample ID:</b> LRHS-11 OT ADMINISTRATIVE WORKROOM SINK	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:45
<b>Lab Sample ID:</b> 19J0728-10	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	13.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1058	GHW

<b>Client Sample ID:</b> LRHS-13 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:52
<b>Lab Sample ID:</b> 19J0728-11	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1059	GHW



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<b>Client Sample ID:</b> LRHS-14 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:51
<b>Lab Sample ID:</b> 19J0728-12	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1102	GHW

<b>Client Sample ID:</b> LRHS-15 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:54
<b>Lab Sample ID:</b> 19J0728-13	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1105	GHW

<b>Client Sample ID:</b> LRHS-16 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:08
<b>Lab Sample ID:</b> 19J0728-14	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1106	GHW

<b>Client Sample ID:</b> LRHS-17 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:09
<b>Lab Sample ID:</b> 19J0728-15	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1107	GHW



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<b>Client Sample ID:</b> LRHS-18 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:58
<b>Lab Sample ID:</b> 19J0728-16	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1111	GHW

<b>Client Sample ID:</b> LRHS-19 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:59
<b>Lab Sample ID:</b> 19J0728-17	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1112	GHW

<b>Client Sample ID:</b> LRHS-20 OT- Concession Stand Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:00
<b>Lab Sample ID:</b> 19J0728-18	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	26.6	20.0	1.0	ppb		10/14/19 0712	10/14/19 1113	GHW

<b>Client Sample ID:</b> LRHS-21 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:01
<b>Lab Sample ID:</b> 19J0728-19	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1114	GHW



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<b>Client Sample ID:</b> LRHS-22 DF/C- Drinking /Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:02
<b>Lab Sample ID:</b> 19J0728-20	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1115	GHW

<b>Client Sample ID:</b> LRHS-23 DF/C- Drinking /Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:37
<b>Lab Sample ID:</b> 19J0728-21	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1116	GHW

<b>Client Sample ID:</b> LRHS-24 DF/C- Drinking /Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:36
<b>Lab Sample ID:</b> 19J0728-22	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.5	20.0	1.0	ppb		10/14/19 0712	10/14/19 1117	GHW

<b>Client Sample ID:</b> LRHS-25 DF/C- Drinking /Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:11
<b>Lab Sample ID:</b> 19J0728-23	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1120	GHW



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<b>Client Sample ID:</b> LRHS-26 IM- Ice Machine	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:11
<b>Lab Sample ID:</b> 19J0728-24	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 1502	10/15/19 1404	GHW

<b>Client Sample ID:</b> LRHS-27 CR- Classroom Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:12
<b>Lab Sample ID:</b> 19J0728-25	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	30.2	20.0	1.0	ppb		10/14/19 0712	10/14/19 1124	GHW

<b>Client Sample ID:</b> LRHS-28 TL- Teacher's Lounge Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:17
<b>Lab Sample ID:</b> 19J0728-26	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	21.6	20.0	1.0	ppb		10/14/19 0712	10/14/19 1125	GHW

<b>Client Sample ID:</b> LRHS-29 DF/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:20
<b>Lab Sample ID:</b> 19J0728-27	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1127	GHW



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<b>Client Sample ID:</b> LRHS-30 DF/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:20
<b>Lab Sample ID:</b> 19J0728-28	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0712	10/14/19 1128	GHW

<b>Client Sample ID:</b> LRHS-31 OT- Art Workroom/Office/Storage	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:30
<b>Lab Sample ID:</b> 19J0728-29	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.8	20.0	1.0	ppb		10/14/19 0712	10/14/19 1129	GHW

<b>Client Sample ID:</b> LRHS-32 DF/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:20
<b>Lab Sample ID:</b> 19J0728-30	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1136	GHW

<b>Client Sample ID:</b> LRHS-33 CR- Classroom Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:34
<b>Lab Sample ID:</b> 19J0728-31	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	6.5	20.0	1.0	ppb		10/14/19 0800	10/14/19 1139	GHW





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<b>Client Sample ID:</b> LRHS-34 CR- Classroom Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:42
<b>Lab Sample ID:</b> 19J0728-32	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	29.4	20.0	1.0	ppb		10/14/19 0800	10/14/19 1140	GHW

<b>Client Sample ID:</b> LRHS-35 OT- Science Prep Room	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:44
<b>Lab Sample ID:</b> 19J0728-33	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	13.1	20.0	1.0	ppb		10/14/19 0800	10/14/19 1141	GHW

<b>Client Sample ID:</b> LRHS-36 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:46
<b>Lab Sample ID:</b> 19J0728-34	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1142	GHW

<b>Client Sample ID:</b> LRHS-37 HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:50
<b>Lab Sample ID:</b> 19J0728-35	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	6.9	20.0	1.0	ppb		10/14/19 0800	10/14/19 1143	GHW



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<b>Client Sample ID:</b> LRHS-38 HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:50
<b>Lab Sample ID:</b> 19J0728-36	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	5.5	20.0	1.0	ppb		10/14/19 0800	10/14/19 1147	GHW

<b>Client Sample ID:</b> LRHS-39 HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:51
<b>Lab Sample ID:</b> 19J0728-37	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	6.7	20.0	1.0	ppb		10/14/19 0800	10/14/19 1148	GHW

<b>Client Sample ID:</b> LRHS-40HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:51
<b>Lab Sample ID:</b> 19J0728-38	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.8	20.0	1.0	ppb		10/14/19 0800	10/14/19 1149	GHW

<b>Client Sample ID:</b> LRHS-42 HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:52
<b>Lab Sample ID:</b> 19J0728-39	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	6.9	20.0	1.0	ppb		10/14/19 0800	10/14/19 1150	GHW



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<b>Client Sample ID:</b> LRHS-43 HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:52
<b>Lab Sample ID:</b> 19J0728-40	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	2.6	20.0	1.0	ppb		10/14/19 0800	10/14/19 1151	GHW

<b>Client Sample ID:</b> LRHS-44 HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 9:03
<b>Lab Sample ID:</b> 19J0728-41	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	30.1	20.0	1.0	ppb		10/14/19 0800	10/14/19 1154	GHW

<b>Client Sample ID:</b> LRHS-45 TL- Teachers Lounge Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:56
<b>Lab Sample ID:</b> 19J0728-42	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	5.1	20.0	1.0	ppb		10/14/19 0800	10/14/19 1155	GHW

<b>Client Sample ID:</b> LRHS-46 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:57
<b>Lab Sample ID:</b> 19J0728-43	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1156	GHW



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<b>Client Sample ID:</b> LRHS-47 CR- Classroom Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 9:05
<b>Lab Sample ID:</b> 19J0728-44	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	26.6	20.0	1.0	ppb		10/14/19 0800	10/14/19 1200	GHW

<b>Client Sample ID:</b> LRHS-48 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:58
<b>Lab Sample ID:</b> 19J0728-45	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1201	GHW

<b>Client Sample ID:</b> LRHS-49 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:59
<b>Lab Sample ID:</b> 19J0728-46	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 1050	10/14/19 1243	GHW

<b>Client Sample ID:</b> LRHS-50 DF/C- Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:08
<b>Lab Sample ID:</b> 19J0728-47	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1202	GHW



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<b>Client Sample ID:</b> LRHS-51 DF/C - Drinking Fountain/ Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:09
<b>Lab Sample ID:</b> 19J0728-48	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1203	GHW

<b>Client Sample ID:</b> LRHS-52 OT- Science Prep Room	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:12
<b>Lab Sample ID:</b> 19J0728-49	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	26.1	20.0	1.0	ppb		10/14/19 0800	10/14/19 1204	GHW

<b>Client Sample ID:</b> LRHS-53 OT- Science Prep Room	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:14
<b>Lab Sample ID:</b> 19J0728-50	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	3.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1205	GHW

<b>Client Sample ID:</b> LRHS-54 DF/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:15
<b>Lab Sample ID:</b> 19J0728-51	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1208	GHW



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<b>Client Sample ID:</b> LRHS-55 DF/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:16
<b>Lab Sample ID:</b> 19J0728-52	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1214	GHW

<b>Client Sample ID:</b> LRHS-56 CR- Classroom Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:17
<b>Lab Sample ID:</b> 19J0728-53	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	10.5	20.0	1.0	ppb		10/14/19 0800	10/14/19 1215	GHW

<b>Client Sample ID:</b> LRHS-57 CR- Classroom Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:18
<b>Lab Sample ID:</b> 19J0728-54	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	11.6	20.0	1.0	ppb		10/14/19 0800	10/14/19 1216	GHW

<b>Client Sample ID:</b> LRHS-58 DF/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:19
<b>Lab Sample ID:</b> 19J0728-55	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1217	GHW



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<b>Client Sample ID:</b> LRHS-59 Teacher's Lounge Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:20
<b>Lab Sample ID:</b> 19J0728-56	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	10.9	20.0	1.0	ppb		10/14/19 0800	10/14/19 1218	GHW

<b>Client Sample ID:</b> LRHS-60 Cr- Classroom Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:23
<b>Lab Sample ID:</b> 19J0728-57	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	9.1	20.0	1.0	ppb		10/14/19 0800	10/14/19 1219	GHW

<b>Client Sample ID:</b> LRHS-61 Df/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:24
<b>Lab Sample ID:</b> 19J0728-58	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1221	GHW

<b>Client Sample ID:</b> LRHS-62 Df/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:25
<b>Lab Sample ID:</b> 19J0728-59	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1222	GHW



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<b>Client Sample ID:</b> LRHS-63 Df/C Drinking Fountain/Chilled	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:26
<b>Lab Sample ID:</b> 19J0728-60	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1223	GHW

<b>Client Sample ID:</b> LRHS-64 OT Concession Stand Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:47
<b>Lab Sample ID:</b> 19J0728-61	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1227	GHW

<b>Client Sample ID:</b> LRHS-65 OT- Spigot for Coolers (i.e. athletics)	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 7:58
<b>Lab Sample ID:</b> 19J0728-62	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	9.1	20.0	1.0	ppb		10/14/19 0800	10/14/19 1230	GHW

<b>Client Sample ID:</b> LRHS-66 OT- Spigot for Coolers (i.e. athletics)	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 8:56
<b>Lab Sample ID:</b> 19J0728-63	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.3	20.0	1.0	ppb		10/14/19 0800	10/14/19 1231	GHW





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<b>Client Sample ID:</b> LRHS-67 KS	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:27
<b>Lab Sample ID:</b> 19J0728-64	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	18.9	20.0	1.0	ppb		10/14/19 0800	10/14/19 1232	GHW

<b>Client Sample ID:</b> LRHS-68 TL	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 5:49
<b>Lab Sample ID:</b> 19J0728-65	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	7.9	20.0	1.0	ppb		10/14/19 0800	10/14/19 1233	GHW

<b>Client Sample ID:</b> LRHS-69 DF/C	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:47
<b>Lab Sample ID:</b> 19J0728-66	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 0800	10/14/19 1234	GHW

<b>Client Sample ID:</b> LRHS-41HE- Home Economic Sink	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/05/2019 6:52
<b>Lab Sample ID:</b> 19J0728-67	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	3.2	20.0	1.0	ppb		10/14/19 1050	10/14/19 1244	GHW

Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Definitions

RL: Reporting Limit



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19J0728

**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.*

**Reviewed and Approved By:**

A handwritten signature in black ink that reads "Marissa Mamone". The signature is written in a cursive style with a large initial 'M'.

Marissa Mamone

Client Relations

Reported: 10/28/2019 14:36



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19J0828

Revised Report: Workorder modified- See Case Narrative.

KCI Technologies

Tehsin Aurangabadwala
936 Ridgebrook Road
Sparks, MD 21152

Project Name: Long Reach High School

Project / PO Number: N/A
Received: 10/11/2019
Reported: 10/28/2019

Case Narrative

MMM 10/23/2019 Work order amended to complete the MDE export. MMM 10/28/2019 Work order amended to update Project name and sampler name per the client request.

Analytical Testing Parameters

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (LRHS-21BW - OT-Bottle Refill Dispenser, Drinking Water, 19J0828-01, etc.)

Table header for Metals, Total by EPA 200 Series Methods with columns: Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Method: EPA 200.2/EPA 200.8

Table row for Lead analysis showing result <1.0, limit 20.0, RL 1.0, units ppb, prepared 10/14/19 1050, analyzed 10/14/19 1255, analyst GHW

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (LRHS-22BW - OT-Bottle Refill Dispenser, Drinking Water, 19J0828-02, etc.)

Table header for Metals, Total by EPA 200 Series Methods with columns: Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Method: EPA 200.2/EPA 200.8

Table row for Lead analysis showing result <1.0, limit 20.0, RL 1.0, units ppb, prepared 10/14/19 1050, analyzed 10/14/19 1256, analyst GHW

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (LRHS-50BW - OT-Bottle Refill Dispenser, Drinking Water, 19J0828-03, etc.)

Table header for Metals, Total by EPA 200 Series Methods with columns: Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Method: EPA 200.2/EPA 200.8

Table row for Lead analysis showing result <1.0, limit 20.0, RL 1.0, units ppb, prepared 10/14/19 1050, analyzed 10/14/19 1259, analyst GHW



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19J0828

<b>Client Sample ID:</b> LRHS-51BW - OT-Bottle Refill Dispenser	<b>Collected By:</b> John Adams
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/10/2019 6:17
<b>Lab Sample ID:</b> 19J0828-04	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 1050	10/14/19 1300	GHW

<b>Client Sample ID:</b> LRHS-6BW - OT-Bottle Refill Dispenser	<b>Collected By:</b> John Adams
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/10/2019 6:12
<b>Lab Sample ID:</b> 19J0828-05	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 1050	10/14/19 1301	GHW

<b>Client Sample ID:</b> LRHS-70 - OT-Bottle Refill Dispenser	<b>Collected By:</b> John Adams
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/10/2019 6:22
<b>Lab Sample ID:</b> 19J0828-06	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		10/14/19 1050	10/14/19 1305	GHW

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Definitions

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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.

Reviewed and Approved By:



Marissa Mamone  
 Client Relations  
 Reported: 10/28/2019 11:52