

Prairie Analytical Systems, Inc.

Date: 12/12/2017

LABORATORY RESULTS

Client:	Aires Consulting Group									
Project:	Berkeley District 87/ MacArthur Middle School				Lab Order: 17K0762					
Client Sample ID:	MKS-1A				Lab ID: 17K0762-01					
Collection Date:	11/16/17 5:06				Matrix: Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:15	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-1B				Lab ID: 17K0762-02					
Collection Date:	11/16/17 5:06				Matrix: Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:18	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-2A				Lab ID: 17K0762-03					
Collection Date:	11/16/17 5:07				Matrix: Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:20	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-2B				Lab ID: 17K0762-04					
Collection Date:	11/16/17 6:07				Matrix: Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:23	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-3A				Lab ID: 17K0762-05					
Collection Date:	11/16/17 5:08				Matrix: Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:41	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-3B				Lab ID: 17K0762-06					
Collection Date:	11/16/17 5:08				Matrix: Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:44	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-4A				Lab ID: 17K0762-07					
Collection Date:	11/16/17 5:09				Matrix: Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:47	EPA200.8 R5.	JTC	

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Client Sample ID:	MKS-4B			Lab ID: 17K0762-08						
Collection Date:	11/16/17 5:09			Matrix: Drinking Water						
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:49	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-5A			Lab ID: 17K0762-09						
Collection Date:	11/16/17 5:10			Matrix: Drinking Water						
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:52	EPA200.8 R5.	JTC	
Client Sample ID:	MKS-5B			Lab ID: 17K0762-10						
Collection Date:	11/16/17 5:10			Matrix: Drinking Water						
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:55	EPA200.8 R5.	JTC	
Client Sample ID:	MIF-6			Lab ID: 17K0762-11						
Collection Date:	11/16/17 5:19			Matrix: Drinking Water						
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	12/7/17 13:24	12/7/17 20:58	EPA200.8 R5.	JTC	
Conventional Chemistry Parameters										
pH	8.17	0.0100		pH Units	1	11/16/17 5:19	11/16/17 5:19	EPA150.1		

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Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A007950 - EPA 200.8 Metals										
Blank (A007950-BLK1)				Prepared & Analyzed: 12/07/201						
Lead	U	2.00	µg/L							
LCS (A007950-BS1)				Prepared & Analyzed: 12/07/201						
Lead	461	2.00	µg/L	500.00		92	85-115			
Matrix Spike (A007950-MS1)				Source: 17K0761-09		Prepared & Analyzed: 12/07/201				
Lead	445	2.00	µg/L	500.00	0.188	89	75-125			
Matrix Spike (A007950-MS2)				Source: 17K0762-04		Prepared & Analyzed: 12/07/201				
Lead	448	2.00	µg/L	500.00	0.150	90	75-125			
Matrix Spike Dup (A007950-MSD1)				Source: 17K0761-09		Prepared & Analyzed: 12/07/201				
Lead	449	2.00	µg/L	500.00	0.188	90	75-125	0.8	20	
Matrix Spike Dup (A007950-MSD2)				Source: 17K0762-04		Prepared & Analyzed: 12/07/201				
Lead	452	2.00	µg/L	500.00	0.150	90	75-125	1	20	

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Notes and Definitions

- * NELAC certified compound.
- U Analyte not detected (i.e. less than RL or MDL).