

June 17, 2016

ATC Group Services
Attn: Mr. Robert Smith
46555 Humboldt, Suite 100
Novi, MI 48377

Project: School Drinking Water Testing

Dear Mr. Robert Smith,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

Work Order	Received	Description
1606099	06/03/2016	WC3D

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ANAB DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kentucky DEP (AL123065/#0021); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/53116); North Carolina DNRE (#659); Virginia DCLS (#460153/7952); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-14-00305).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications and Project Technical Narrative sections of this report. Estimates of analytical uncertainties and certification documents for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,



Gary L. Wood
Project Chemist

PROJECT TECHNICAL NARRATIVE(s)

No Project Narrative is associated with this report.

STATEMENT OF DATA QUALIFICATIONS

All analyses have been validated and comply with our Quality Control Program.
No Qualification is required.

ANALYTICAL REPORT

Client: **ATC Group Services**
 Project: School Drinking Water Testing
 Client Sample ID: **1-P-F Classroom #1**
 Lab Sample ID: **1606099-01**
 Matrix: Drinking Water

Work Order: **1606099**
 Description: WC3D
 Sampled: 06/02/16 07:08
 Sampled By: David Reinhold
 Received: 06/03/16 16:05

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	0.0016	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/15/16 15:29	MSB	1606138

ANALYTICAL REPORT

Client: **ATC Group Services**
 Project: School Drinking Water Testing
 Client Sample ID: **2-P-F Classroom #2**
 Lab Sample ID: **1606099-03**
 Matrix: Drinking Water

Work Order: **1606099**
 Description: WC3D
 Sampled: 06/02/16 07:11
 Sampled By: David Reinhold
 Received: 06/03/16 16:05

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	0.0011	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/15/16 15:33	MSB	1606138

ANALYTICAL REPORT

Client: **ATC Group Services**
Project: School Drinking Water Testing
Client Sample ID: **3-P-F Kitchen**
Lab Sample ID: **1606099-05**
Matrix: Drinking Water

Work Order: **1606099**
Description: WC3D
Sampled: 06/02/16 07:14
Sampled By: David Reinhold
Received: 06/03/16 16:05

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	0.0031	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/15/16 15:34	MSB	1606138

QUALITY CONTROL REPORT

Metals in Drinking Water by EPA 200 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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Analyte: Lead/USEPA-200.8 Rev. 5.4

QC Batch: 1606138 (Metals Direct Analysis)

Analyzed: 06/15/2016 By: MSB

Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample		0.0400	0.0403	mg/L	101	85-115			0.0010

PRETREATMENT SUMMARY PAGE

Client: **ATC Group Services**
Project: **School Drinking Water Testing**

Pretreatment	Lab Sample ID	Batch	By	Date & Time Prepared
USEPA 600/R-94/173	1606099-01	1606138	PNS	06/14/16 13:46
	1606099-03	1606138	PNS	06/14/16 13:46
	1606099-05	1606138	PNS	06/14/16 13:46

Pg. 1 of 1

Pg. 1 of 1

A NONE pH~7

C H_2SO_4 , pH<2

E NaOH pH>12

G MeOH

Sample Comments

10

11

quadruplets

10

3.110

COPY - SAMPLER

SAMPLE RECEIVING / LOG-IN CHECKLIST



Client: ATC	Work Order #: 1606099
Receipt Record Page/Line #: 12-35	Project Chemist: _____ Sample #: _____

Recorded by (initials/date): WC 6-3-16	Cooler ☒ Cooler ☐ Box ☐ Other	Qty Received: 2	Thermometer Used ☒ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (# _____)	See Additional Cooler Information Form ☐
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Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
1m2365	1655	1m3573	1700					
Custody Seals: ☒ None ☐ Present / Intact ☐ Present / Not Intact		Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact		Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact		Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact		
Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None		Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None		Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None		Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None		
Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		
Temp Blank Present: ☐ Yes ☒ No		Temp Blank Present: ☐ Yes ☒ No		Temp Blank Present: ☐ Yes ☒ No		Temp Blank Present: ☐ Yes ☒ No		
If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative		If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative		If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative		If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative		
Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	
Temp Blank:			Temp Blank:			Temp Blank:		
Sample 1: 23.8	-	23.8	Sample 1: 22.2	-	22.2	Sample 1:		
Sample 2: 23.8	-	23.8	Sample 2: 22.0	-	22.0	Sample 2:		
Sample 3: 23.9	-	23.9	Sample 3: 22.2	-	22.2	Sample 3:		
3 Sample Average °C: 23.8			3 Sample Average °C: 22.2			3 Sample Average °C:		
☐ Cooler ID on COC?			☐ Cooler ID on COC?			☐ Cooler ID on COC?		
☐ VOC Trip Blank received?			☐ VOC Trip Blank received?			☐ VOC Trip Blank received?		

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received Yes ☒ No ☐ Chain of Custody record(s)? If No, Initiated By _____ Received for Lab Signed/Date/Time? _____ Shipping document? ☐ Other: _____ COC Information ☐ TriMatrix COC ☐ Other: _____ COC ID Numbers: _____ Check COC for Accuracy Yes ☒ No ☐ Analysis Requested? ☒ Sample ID matches COC? ☒ Sample Date and Time matches COC? ☒ Container type completed on COC? ☒ All container types indicated are received? Sample Condition Summary N/A ☒ Yes ☐ No ☐ ☒ Broken containers/lids? ☒ Missing or incomplete labels? ☒ Illegible information on labels? ☒ Low volume received? ☒ Inappropriate or non-TriMatrix containers received? ☒ VOC vials / TOX containers have headspace? ☒ Extra sample locations / containers not listed on COC?	Check Sample Preservation N/A ☒ Yes ☐ No ☐ ☐ Temperature Blank OR average sample temperature, ≥ 6° C? ☐ If either is ≥ 6° C, was thermal preservation required? If "Yes", Project Chemist Approval Initials: _____ If "Yes" Completed Non Con Cooler - Cont Inventory Form? ☒ Completed Sample Preservation Verification Form? ☒ Samples chemically preserved correctly? If "No", added orange tag? ☐ Received pre-preserved VOC soils? ☐ MeOH ☐ Na ₂ SO ₄ Check for Short Hold-Time Prep/Analyses ☐ Bacteriological ☐ Air Bags ☐ EnCores / Methanol Pre-Preserved ☐ Formaldehyde/Aldehyde ☐ Green-tagged containers ☐ Yellow/White-tagged 1 L Ambers (SV Prep-Lab) Notes ☐ Trip Blank received ☐ Trip Blank not listed on COC Cooler Received (Date/Time) 6-3-16 1605 Paperwork Delivered (Date/Time) 6-3-16 1730 ≤ 1 Hour Goal Met? Yes ☒ No ☐
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Client ATC	Work Order # 1606099
Receipt Log # 12-35	Completed By (initials/date) WC 6.3.16
Project Chemist	

COC ID # 151019155				Adjusted by: _____ Date: _____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13	6	15				
Tag Color	Lt. Blue	Blue	Brown	Red	Red Stripe				
Preservative	NaOH	H ₂ SO ₄	H ₂ SO ₄	HNO ₃	HNO ₃				
Expected pH	>12	<2	<2	<2	<2				
COC Line #1				✓					
COC Line #2				✓					
COC Line #3				✓					
COC Line #4				✓					
COC Line #5				✓					
COC Line #6				✓					
COC Line #7									
COC Line #8									
COC Line #9									
COC Line #10									

pH Strip Reagent #
☒ 6040263
☐

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 6 and 15.

COC ID #				Adjusted by: _____ Date: _____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13	6	15				
Tag Color	Lt. Blue	Blue	Brown	Red	Red Stripe				
Preservative	NaOH	H ₂ SO ₄	H ₂ SO ₄	HNO ₃	HNO ₃				
Expected pH	>12	<2	<2	<2	<2				
COC Line #1									
COC Line #2									
COC Line #3									
COC Line #4									
COC Line #5									
COC Line #6									
COC Line #7									
COC Line #8									
COC Line #9									
COC Line #10									

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H ₂ SO ₄
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H ₂ SO ₄
500	2.5

Comments
