June 08, 2016

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

Project: Matrix Head Start

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
1605679	05/27/2016	Infinity II

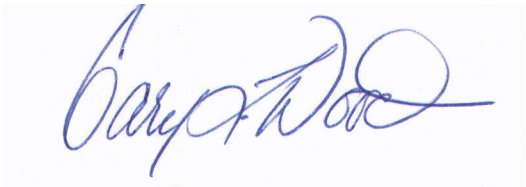
This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

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

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

PROJECT TECHNICAL NARRATIVE(s)

No Project Narrative is associated with this report.

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STATEMENT OF DATA QUALIFICATIONS

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

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1605679**
Project:	Matrix Head Start	Description:	Infinity II
Client Sample ID:	**1-KS-P-INF II**	Sampled:	05/27/16 06:27
Lab Sample ID:	**1605679-01**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	05/27/16 16:45

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	**0.0018**	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/07/16 12:36	DSC	1605654

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1605679**
Project:	Matrix Head Start	Description:	Infinity II
Client Sample ID:	**2-DWC-P-INF II**	Sampled:	05/27/16 06:30
Lab Sample ID:	**1605679-03**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	05/27/16 16:45

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	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/07/16 13:03	DSC	1605776

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1605679**
Project:	Matrix Head Start	Description:	Infinity II
Client Sample ID:	**3-SF-P-INF II**	Sampled:	05/27/16 06:33
Lab Sample ID:	**1605679-05**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	05/27/16 16:45

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	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/07/16 13:05	DSC	1605776

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TRIMATRIX LABORATORIES

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
Analyte: **Lead**/USEPA-200.8 Rev. 5.4									
QC Batch: 1605654 (Metals Direct Analysis)							Analyzed: 06/07/2016		By: DSC
Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample	0.0400		**0.0386**	mg/L	96	85-115			0.0010
QC Batch: 1605776 (Metals Direct Analysis)							Analyzed: 06/07/2016		By: DSC
Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample	0.0400		**0.0386**	mg/L	96	85-115			0.0010

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TRIMATRIX LABORATORIES

PRETREATMENT SUMMARY PAGE

Client: **ATC Group Services**
Project: **Matrix Head Start**

Pretreatment	Lab Sample ID	Batch	By	Date & Time Prepared
USEPA 600/R-94/173	1605679-01	1605654	LNS	06/02/16 08:35
	1605679-03	1605776	ARB	06/05/16 15:47
	1605679-05	1605776	ARB	06/05/16 15:47

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TRIMATRIX LABORATORIES

Chain of Custody Record

COC No. 160539511

5560 Corporate Exchange Court SE, Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463 www.trimatrixlabs.com

Pg. 1 of 1

For Lab Use Only

Cart: 13
VOA Rack/Tray: –
Receipt Log No.: 4-33
Project Chemist: Jim McFadden
Work Order No.: 1605679

Client Name: ATC Group Services, LLC
Address: 46555 Humboldt Drive Suite 100
City, State Zip: Novi, MI 48377
Phone: 248-669-5140 Fax 248-669-5147
Email: robert.smith@atcassociates.net

Project Name: Matrix Head Start- Infinity II
Client Project No. / P.O. No.: 188BS16284
Invoice To: ☑ Client ☐ Other (comments)
Contact/Report To: Robert Smith

Analyses Requested

Container Type (corresponds to Container Packing List)

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Lead - Primary (P) B	Lead - Flush (F) - Hold B	Total	Sample Comments
				Number of Containers Submitted										
01		01	1	1-KS-P-INF II		5/27/16	627		X	DW	X		1	Kitchen
02		02	2	1-KS-F-INF II		5/27/16	628		X	DW		X	1	Kitchen
01		03	3	2-DWC-P-INF II		5/27/16	630		X	DW	X		1	Classroom #6
02		04	4	2-DWC-F-INF II		5/27/16	631		X	DW		X	1	Classroom #6
01		05	5	3-SF-P-INF II		5/27/16	633		X	DW	X		1	Hall (Right)
02		06	6	3-SF-F-INF II		5/27/16	634		X	DW		X	1	Hall (Right)
			7											
			8											
			9											
			10											

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Sampled By (print): Dawn Winther
Sampler's Signature: Dawn Winther
Company:

How Shipped? Hand ____ Carrier ____
Tracking No.:

Comments: **If lead is above detection limits, please analyze flush samples**

DWC=Drinking Water Cooler
SF=Sink Faucet
KS=Kitchen Sink Faucet

1. Relinquished By	Date	Time	2. Received By	Date	Time	3. Relinquished By	Date	Time
G Jaeckle	5-27-16		Ryan Johnson	5/27/16	1645			
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Ryan Johnson	5/27/16	1240				J. Nardin	5/27/16	1645

ORIGINAL - LABORATORY COPY - SAMPLER

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: QTC GROUP		Work Order #: 1605679	New / Add To
Receipt Record Page/Line #: 4-33		Project Chemist: JDM	Sample #s: 01-06

Recorded by (initials/date)		Qty Received	Thermometer Used	
DN 5/27/16	☒ Cooler ☐ Box ☐ Other______	1	☒ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#______)	☐ See Additional Cooler Information Form

	Cooler 1	Cooler 2	Cooler 3	Cooler 4
Cooler # / Time	TT12531 / 1839			
Custody Seals	☒ None ☐ Present / Intact ☐ Present / Not Intact	☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ None ☐ Present / Intact ☐ Present / Not Intact	☐ None ☐ Present / Intact ☐ Present / Not Intact
Coolant Type	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None	☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None
Coolant Location	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Temp Blank Present	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
If Present, Temperature Blank Location is	☐ Representative ☐ Not Representative	☐ Representative ☐ Not Representative	☐ Representative ☐ Not Representative	☐ Representative ☐ Not Representative

Cooler 1	Observed °C	Correction Factor °C	Actual °C
Temp Blank			
Sample 1	25.7	0	25.7
Sample 2	24.6	0	24.6
Sample 3	24.4	0	24.4
3 Sample Average °C			24.9

(Coolers 2–4: Temp Blank, Sample 1–3 and 3 Sample Average °C blank.)

☐ Cooler ID on COC? ☐ VOC Trip Blank received? (each cooler)

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: 16053951

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_2SO_4

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?

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)

AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S)
☒ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

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?

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 5/27/16	5/27/16	Yes / No

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

Client: QTC

Work Order #: ~~1605~~ 1605679 (4/31/16)

Receipt Log #: 4-33

Completed By (initials/date): JN 5/27/16

Project Chemist: JDR

COC ID # 16053951

Adjusted by: _____

Date: _____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

pH Strip Reagent # ☑ 6040263 ☐ _____

Container Type	5 / 23	4	13		6	15		
Tag Color	Lt. Blue	Blue	Brown		Red	Red Stripe		
Preservative	NaOH	H_2SO_4	H_2SO_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								

Comments

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_2SO_4	H_2SO_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								

Comments

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5