August 30, 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
1608382	08/19/2016	Plymouth

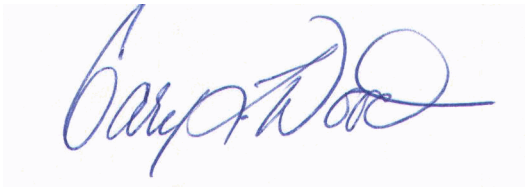
This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ANAB DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Georgia EPD (#026-999-161/1023062); Illinois DEP (#200026/003329); Kentucky DEP (AL123065/#0021); Michigan DPH (#0034); Minnesota DPH (#026-999-161/1023062); 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:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**1-KS-P-PLY**	Sampled:	08/19/16 07:58
Lab Sample ID:	**1608382-01**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	<0.0010	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:33	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**2-KS-P-PLY**	Sampled:	08/19/16 08:04
Lab Sample ID:	**1608382-03**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	<0.0010	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:34	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**3-KS-P-PLY**	Sampled:	08/19/16 08:06
Lab Sample ID:	**1608382-05**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	<0.0010	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:35	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**4-KS-P-PLY**	Sampled:	08/19/16 08:09
Lab Sample ID:	**1608382-07**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	**0.0014**	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:36	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**5-DWF-P-PLY-High**	Sampled:	08/19/16 08:12
Lab Sample ID:	**1608382-09**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	<0.0010	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:37	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**6-DWF-P-PLY-Low**	Sampled:	08/19/16 08:15
Lab Sample ID:	**1608382-11**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	<0.0010	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:38	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**7-BS-P-PLY**	Sampled:	08/19/16 08:26
Lab Sample ID:	**1608382-13**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	**0.0066**	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:44	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**8-BS-P-PLY**	Sampled:	08/19/16 08:29
Lab Sample ID:	**1608382-15**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	**0.0052**	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:45	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**9-KS-P-PLY**	Sampled:	08/19/16 08:34
Lab Sample ID:	**1608382-17**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	<0.0010	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:46	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**10-BS-P-PLY**	Sampled:	08/19/16 08:37
Lab Sample ID:	**1608382-19**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	<0.0010	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:47	MSB	1608834

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**ATC Group Services**	Work Order:	**1608382**
Project:	Matrix Head Start	Description:	Plymouth
Client Sample ID:	**11-BS-P-PLY**	Sampled:	08/19/16 08:41
Lab Sample ID:	**1608382-21**	Sampled By:	ATC
Matrix:	Drinking Water	Received:	08/19/16 17:32

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Lead	**0.0058**	0.0010	mg/L	1	USEPA-200.8 Rev. 5.4	08/26/16 16:48	MSB	1608834

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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: 1608834 (Metals Direct Analysis)						Analyzed: 08/26/2016		By: MSB	
Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample		0.0400	**0.0395**	mg/L	99	85-115			0.0010
1608382-11 [6-DWF-P-PLY-Low]									
Matrix Spike	0.000443	0.0200	**0.0207**	mg/L	101	70-130			0.0010
Matrix Spike Duplicate	0.000443	0.0200	**0.0203**	mg/L	99	70-130	2	20	0.0010

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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	1608382-01	1608834	JBA	08/25/16 18:51
	1608382-03	1608834	JBA	08/25/16 18:51
	1608382-05	1608834	JBA	08/25/16 18:51
	1608382-07	1608834	JBA	08/25/16 18:51
	1608382-09	1608834	JBA	08/25/16 18:51
	1608382-11	1608834	JBA	08/25/16 18:51
	1608382-13	1608834	JBA	08/25/16 18:51
	1608382-15	1608834	JBA	08/25/16 18:51
	1608382-17	1608834	JBA	08/25/16 18:51
	1608382-19	1608834	JBA	08/25/16 18:51
	1608382-21	1608834	JBA	08/25/16 18:51

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TRIMATRIX LABORATORIES

Chain of Custody Record

COC No. **160828086**

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Phone (616) 975-4500 Fax (616) 942-7463 www.trimatrixlabs.com

Pg. 1 of 3

For Lab Use Only
Cart:
VOA Rack/Tray:
Receipt Log No. 38-24
Project Chemist: Jim McFadden
Work Order No. 1608382

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- Plymouth
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): B (Lead - Primary (P)), B (Lead - Flush (F) - Hold)

⇦ 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)

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted: Lead - Primary (P)	Lead - Flush (F) - Hold	Total	Sample Comments
01		01	1	1-KS-P-PLY		8/19/16	758		X	DW	X		1	Room #1
02		02	2	1-KS-F-PLY		8/19/16	759		X	DW		X	1	Room #1
01		03	3	2-KS-P-PLY		8/19/16	804		X	DW	X		1	Room #2
02		04	4	2-KS-F-PLY		8/19/16	805		X	DW		X	1	Room #2
01		05	5	3-KS-P-PLY		8/19/16	806		X	DW	X		1	Room #4
02		06	6	3-KS-F-PLY		8/19/16	807		X	DW		X	1	Room #4
01		07	7	4-KS-P-PLY		8/19/16	809		X	DW	X		1	Room #3
02		08	8	4-KS-F-PLY		8/19/16	810		X	DW		X	1	Room #3
01		09	9	5-DWF-P-PLY - High		8/19/16	812		X	DW	X		1	Hall @ S. Exit
02		10	10	5-DWF-F-PLY - High		8/19/16	813		X	DW		X	1	Hall @ S. Exit

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

How Shipped? Hand ____ Carrier ____
Tracking No.

Comments: **If lead is above detection limits, please analyze flush samples**
WC=Drinking Water Cooler
BS=Bath Sink Faucet
RR=Restroom
KS=Kitchen Sink

1. Relinquished By	Date	Time	2. Received By	Date	Time	3. Relinquished By	Date	Time
			Sample Time	8-19-16	1732			

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
	8-19-16	1209					8/19/16	1

ORIGINAL - LABORATORY COPY - SAMPLER

TRIMATRIX LABORATORIES

Chain of Custody Record

COC No. **160828085**

Pg. 2 of 1

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Cart
VOA Rack/Tray
Receipt Log No. 32-24
Project Chemist Jim McFadden
Work Order No. 1608382

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- Plymouth
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): Lead - Primary (P) = B; Lead - Flush (F) - Hold = B

Number of Containers Submitted: 6, 6

⇦ 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)

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Lead - Primary (P)	Lead - Flush (F) - Hold	Total	Sample Comments
01		11	1	6-DWF-P-PLY - Low		8/19/16	815		X	DW	X		1	Hall @ S. Exit
02		12	2	6-DWF-F-PLY - Low		8/19/16	816		X	DW		X	1	Hall @ S. Exit
01		13	3	7-BS-P-PLY		8/19/16	826		X	DW	X		1	Boy's RR-West Sink
02		14	4	7-BS-F-PLY		8/19/16	827		X	DW		X	1	Boy's RR-West Sink
01		15	5	8-BS-P-PLY		8/19/16	829		X	DW	X		1	Boy's RR-East Sink
02		16	6	8-BS-F-PLY		8/19/16	830		X	DW		X	1	Boy's RR-East Sink
01		17	7	9-KS-P-PLY		8/19/16	834		X	DW	X		1	Kitchen
02		18	8	9-KS-F-PLY		8/19/16	835		X	DW		X	1	Kitchen
01		19	9	10-BS-P-PLY		8/19/16	837		X	DW	X		1	Girl's RR - East Sink
02		20	10	10-BS-F-PLY		8/19/16	838		X	DW		X	1	Girl's RR - East Sink

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

How Shipped? Hand ____ Carrier ____
Tracking No.

1. Relinquished By: Dawn Winther Date 8-19-16 Time 1732
1. Received By: Dawn Winther Date 8-19-16 Time 1209

Comments

If lead is above detection limits, please analyze flush samples
WC=Drinking Water Cooler
BS=Bath Sink Faucet
RR=Restroom
KS=Kitchen Sink

2. Relinquished By: Dawn Winther Date 8-19-16 Time 1732
2. Received By: Date Time

3. Relinquished By: Date Time
3. Received For Lab By: Date 8/19/16 Time 1732

ORIGINAL - LABORATORY COPY - SAMPLER

TRIMATRIX LABORATORIES

Chain of Custody Record

COC No. **160828086**

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Phone (616) 975-4500 Fax (616) 942-7463 www.trimatrixlabs.com

Pg. 3 of 3

For Lab Use Only
Cart:
VOA Rack/Tray:
Receipt Log No.: 38-24
Project Chemist: ~~Jim McFadden~~
Work Order No.: 1608382

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- Plymouth
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): Lead - Primary (P) = B; Lead - Flush (F) - Hold = B
Number of Containers Submitted: 6, 6

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)

	Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Lead - Primary (P)	Lead - Flush (F) - Hold	Total	Sample Comments
1	01		21	11-BS-P-PLY		8/19/16	841		X	DW	X		1	Girl's RR - West Sink
2	02		22	11-BS-F-PLY		8/19/16	842		X	DW		X	1	Girl's RR - West Sink
3														
4														
5														
6														
7														
8														
9														
10														

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

How Shipped? Hand ____ Carrier ____
Tracking No.:

Comments: **If lead is above detection limits, please analyze flush samples**
WC=Drinking Water Cooler
BS=Bath Sink Faucet
RR=Restroom
KS=Kitchen Sink

	Relinquished By	Date	Time	Received By	Date	Time
1					8-19-16	1205
2	Sample Time	8-19-16				
3					8/19/16	1[illegible]

ORIGINAL - LABORATORY COPY - SAMPLER

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: CTC - PLYMOUTH	New / Add To: New (circled)	Work Order #: 1608382
Receipt Record Page/Line #: 38-24	Project Chemist: [illegible]	Sample #s: 01-22

Recorded by (initials/date)		Qty Received	Thermometer Used	
DN 8/19/16	☒ Cooler ☐ Box ☐ Other ______	1	☒ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#______)	☐ See Additional Cooler Information Form

Cooler # TJX1900 — Time 2033

Custody Seals: ☒ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☒ None

Coolant Location: Dispersed / Top / Middle / Bottom

Temp Blank Present: ☐ Yes ☐ No

If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:	25.8	0	25.8
Sample 2:	25.2	0	25.2
Sample 3:	25.1	0	25.1

3 Sample Average °C: 25.4

☐ Cooler ID on COC?
☐ VOC Trip Blank received?

Cooler # — Time (columns 2–4 blank)

Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Type: ☐ Loose Ice ☐ Bagged Ice ☐ Blue Ice ☐ None

Coolant Location: Dispersed / Top / Middle / Bottom

Temp Blank Present: ☐ Yes ☐ No

If Present, Temperature Blank Location is: ☐ Representative ☐ Not Representative

	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			

3 Sample Average °C: ______

☐ Cooler ID on COC?
☐ 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: 160828086, 160828085

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_2SO_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)

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

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
DN 8/19/16	8/19/16	Yes / No

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

Client	AJC - PLYMOUTH		Work Order #	1608382
Receipt Log #	38-24	Completed By (initials/date) JDN 8/19/16	Project Chemist	JDN

pH Strip Reagent #

- ☒ 6060635
- ☐ ______

COC ID # 160828086 pg. 1		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

COC ID # 160828085 pg. 2		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

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.

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

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

Client: QTC - PLYMOUTH		Work Order # 1608382
Receipt Log # 38-24	Completed By (initials/date) DN 8/19/16	Project Chemist ~~JDM~~

pH Strip Reagent #
☒ 6060635
☐

COC ID # 160828086 pg. 3

Adjusted by:
Date:

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								

(Columns 6 and 15: DO NOT ADJUST pH FOR THESE CONTAINER TYPES)

Comments

COC ID #

Adjusted by:
Date:

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								

(Columns 6 and 15: DO NOT ADJUST pH FOR THESE CONTAINER TYPES)

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.

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