

June 21, 2016

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

Project: Matrix Human Services

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
1606231	06/09/2016	Funtime

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.

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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 Work Order: 1606231
Project: Matrix Human Services Description: Funtime

Client Sample ID: **1-F-P-FUN, Kitchen Faucet** Sampled: 06/08/16 07:32 Lab Sample ID: **1606231-01** Sampled By: Andrew Rauser Matrix: Drinking Water Received: 06/09/16 16:30

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Lead	0.0023	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/20/16 11:50	MSB	1606243



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: 1606231 Project: Matrix Human Services Description: **Funtime**

06/08/16 07:36 Client Sample ID: **2-F-P-FUN, Bathroom Faucet** Sampled: Lab Sample ID: 1606231-03 Sampled By: Andrew Rauser Matrix: **Drinking Water** Received: 06/09/16 16:30

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Lead	0.0033	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/20/16 11:51	MSB	1606243



ANALYTICAL REPORT

Client:ATC Group ServicesWork Order:1606231Project:Matrix Human ServicesDescription:Funtime

Client Sample ID: **3-S-P-FUN, Rear Yard Spigot** Sampled: 06/08/16 07:39 Lab Sample ID: **1606231-05** Sampled By: Andrew Rauser Matrix: Drinking Water Received: 06/09/16 16:30

Metals in Drinking Water by EPA 200 Series Methods

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Lead	0.0022	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	06/20/16 11:52	MSB	1606243



QUALITY CONTROL REPORT

Metals in Drinking Water by EPA 200 Series Methods

	Sample	Spike			Spike	Control		RPD	
QC Type	Conc.	Qty.	Result	Unit	% Rec.	Limits	RPD	Limits	RL

Analyte: Lead/USEPA-200.8 Rev. 5.4

QC Batch: 1606243 (Metals Direct Analysis)					Analyzed: 06/20/2016	By: MSB
Method Blank		<0.0010	mg/L			0.0010
Laboratory Control Sample	0.0400	0.0383	mg/L	96	85-115	0.0010



PRETREATMENT SUMMARY PAGE

ATC Group Services Client: **Matrix Human Services** Project:

				Date & Time	
Pretreatment	Lab Sample ID	Batch	Ву	Prepared	
USEPA 600/R-94/173	1606231-01	1606243	PNS	06/16/16 12:40	
	1606231-03	1606243	PNS	06/16/16 12:40	
	1606231-05	1606243	PNS	06/16/16 12:40	



Chain of Custody Record

COC No. 160612421

Company	Andrew Rauser Samplets Signature											Schedule Matrix Code	MOOL	Work Order No.	Project Chemist Jim McFadden	Receipt Log No.	VOA Каски гау	(J
	lune no					00	G	2	63	92	2	Sample Number	13)	den	ži		
1. Refined By 1. Respired By 1. Respired By	How Shipped? Hand	10	G	80	7	5 3-S-F-FUN, Rear yard spigot	5 3-S-P-FUN, Rear yard spigot	4 2-F-F-FUN, Bathroom faucet	3 2-F-P-FUN, Bathroom faucet	2 1-F-F-FUN, Kitchen faucet	1 1-F-P-FUN, Kitchen faucet	Field Sample ID	Email robert.smith@atcassociates.net	Phone: 248-669-5140 Fax 248-669-5147	City, State Zip Novi MI 48377	Address 46555 Humboldt Drive, Ste 100	ATC Group Services	
Date Date	Carrier											Cooler ID			Invo	Clie	Proj Ma	The state of the s
Time Time						6/8/16	6/8/16	6/8/16	6/8/16	6/8/16	6/8/16	Sample Date	Robert Smith	Contact/Report To	Invoice To	Client Project No. / P.O. No. 188BS16284	Project Name Matrix Human Services - Funtime	
2 Removationed By	Comments					740	739	737	736	733	732	Sample			☐ Other (comments)	lo. / P.O. No. 188BS16284	an Service	a minda sale
90									0.00			7 Z O C	,		nt er (con	**	es - F	0.0
Some	=					X D	×	X D	×	X	X DW	A Matrix			nments		untin	
0/11/6/	lead o					8	×	8	×	W	×	\$	S		d - Prir	nary (F		В
Date Date	or cop					×	SAFER S.	×	6.3	×			nta		d - Flu			
16	per is a					Aca.		150.00		20.0		Nun	or Type		(0) Sec. 14 101	711 AL A	11919	1000
Time	above											ber of	(corre					1
ω ω	FUN											Conta	sponds					
Relinquished By	tection limits, p											Number of Containers Submitted	to Co					
thread By	its, ple											ubmitte	ntainer					
Sy.	lead or copper is above detection limits, please analyze flush samples FUN = Funtime											ă.	Type (corresponds to Container Packing List)				3	
	lyze flu					7/	332	86	-			_	List)					
Date	ish sai					_		-	-			Total Sa	# 0	o -	n m (m .	
Time Time 9 of 11	nples											Sample Comments	Other (note below)			C H ₂ SO ₄ pH<2	A NONE pH-7	PRESERVATIVES

ORIGINAL - LABORATORY

COPY - SAMPLER

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRI LABORATORI	X Cient ATC	New / Add To	Order# 10010231
LABORATORI	E S Receipt Record Page/Line # 22 =	Project Chemist Samp	e #s
Recorded by (initials/date) Let 10/10	Cooler Qty Recei	The second secon	eter (#54) See Additional Cooler Information Form
Cooler# 2389 Time 749	Cooler# Time	Cooler # Time	Cooler# Time
Custody Seals:	Custody Seals:	Custody Seals:	Custody Seals:
None Present / Intact	□ None □ Present / Intact	☐ None ☐ Present / Intact	□ None □ Present / Intact
☐ Present / Not Intact	Present / Not Intact	☐ Present / Not Intact	Present / Not Intact
Coolant Type:	Coolant Type: D Loose Ice	Coolant Type:	Coolant Type:
☐ Bagged Ice	Bagged Ice	Bagged ice	☐ Bagged Ice
☐ Blue Ice Ø None	☐ Blue Ice ☐ None	☐ Blue Ice ☐ None	☐ Blue Ice ☐ None
Coolant Location:	Coolant Location:	Coolant Location:	Coolant Location:
Dispersed / Top / Middle / Bottom Temp Blank Present Yes No	Dispersed / Top / Middle / Bottom Temp Blank Present: Yes No	Dispersed / Top / Middle / Bottom Temp Blank Present: Yes No	Dispersed / Top / Middle / Bottom Temp Blank Present: ☐ Yes ☐ No
If Present, Temperature Blank Location is:	If Present, Temperature Blank Location is		If Present, Temperature Blank Location is:
☐ Representative ☐ Not Representative Observed Correction	Representative Not Representative	(III) III III III III III III III III II	☐ Representative ☐ Not Representative
"C Factor "C Actual "C	Observed Correction Factor *C Actual *C	Observed Correction Factor *C Actual *C	Observed Correction Factor *C Actual *C
Temp Blank:	Temp Black:	Temp Blank:	Temp Blank:
Sample 1 22.8 - 22.8	Sample 13	Sample 1,	Sample 1:
Sample 2 22.7 - 22.7	Sample 2:	Sample 2:	Sample 2:
Sample 2 22.8 - 22.8	Sample 3:	Sample 3:	Sample 3:
3 Sample Average °C: 22.8	3 Sample Average °C:	3 Sample Average °C:	3 Sample Average °C:
Cooler ID on COC?	Cooler ID on COC?	Cooler ID on COC?	☐ Cooler ID on COC?
○ VOC Trip Blank received?	☐ VOC Trip Blank received?	VOC Trip Blank received?	VOC Trip Blank received?
	reas checked, complete Sample	Receiving Non-Conformance and/o	r Inventory Form
Paperwork Received Yes No		Check Sample Preservation	
Chain of Custody record(s)?	Control of the Contro	, D Temperature Bla	nk OR average sample temperature, 26° C?
Received for Lab Signed/Da	te/Time?	1 /	was thermal preservation required?
O Other	The said of the state of the said		eted Non Con Cooler - Cont Inventory Form?
COC Information	CALL TO SAID STATE		ele Preservation Verification Form?
TriMatrix COC D Other		Samples chemics	ally preserved correctly?
			served VOC soils?
Check COC for Accuracy	HARRIES DONN'T HARRY	Charles Shart Hald Time Barries	□ Na ₂ SO ₄
Yes No		Check for Short Hold-Time Prep/A Bacteriological	nalyses
Analysis Requested?		☐ Air Bags	AFTER HOURS ONLY:
Sample ID matches COC? Sample Date and Time matches.	thes COC2	☐ EnCores / Methanol Pre-Preserved ☐ Formaldehyde/Aldehyde	COPIES OF COC TO LAB AREA(S) NONE RECEIVED
Sample Date and Time mate Container type completed or		Green-tagged containers	C RECEIVED, COOS TO LAB(S)
	are received?	☐ Yellow/White-tagged 1 L ambers (SV I	Prep-Lab)
Sample Condition Summary N/A Yes No.		Notes	
Broken containers	Mids?		
Missing or incomp			
O D Low volume recei		☐ Trip Blank received ☐ Trip 8	lank not listed on COC
Inappropriate or n	on-TriMatrix containers received?		Delivered (Date/Time) s1 Hour Goal Met?
	containers have headspace? tions / containers not listed on COC?	Vol9/110 1/020 10/10	116 AS45 Yes / No
		Color Color Color	100000



SAMPLE PRESERVATION VERIFICATION FORM

Client ATC Puntine

Receipt Log # Completed By undials/date)

COC ID # Project Chemist

1606	1242	2/	Adjusted by: Date:	DO NOT ADJUST pH FOR TH		THESE CONTA	INER 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	0.65			1			- 04
COC Line #3:							
COC Line #4	F 16:00	(1E. 7. 45		/		1 124	
COC Line #5	200						
COC Line #8	40/5	1123				104	
COC Line #7	Poys, oil						
COC Line #8			100	1 10 10 10	1		
COC Line #9	Sinks	100					
COC Line #10				To the second			-

Strip Reagent #
6040263
2010

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 A	DJUST pH FOR	THESE CONTA	INER 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	54 37/15	ar Jee			TEX E		15 17	
COC Line #2	V-17-1-			1				7
COC Line #3	- 14/8/						re e	
COC Line #4				HK T	- 11 VF			
COC Line #5	Let's a		19.74	0=1	No. 11	47.5		
COC Line #6	doj,				-34			
COC Line #7		L XA		1.05	[P19]		111111111111111111111111111111111111111	-
COC Line #8						- 143	127,0	
COC Line #9	4 = 50			12016	Dec 1	D. SKOT		
COC Line #10								1

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