

April 11, 2017

**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 Pace Analytical:

Work Order	Received	<b>Description</b>
1703454	03/28/2017	DCP @ NW

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 (#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 Virginia DCLS (#460153/7952); Wisconsin DNR (#999472650); USDA Soil Import Permit (#659);(#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

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Client Services Manager



# 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.



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#### **ANALYTICAL REPORT**

Client: ATC Group Services Work Order: 1703454

Project: School Drinking Water Testing Description: DCP @ NW

Client Sample ID: KS-P-DCP-Kitchen (E) Sampled: 03/28/17 07:31

Lab Sample ID: 1703454-01 Sampled By: ATC

Matrix: Drinking Water Received: 03/28/17 18:45

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Copper	0.23	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/05/17 14:02	KLV	1702811
Lead	0.023	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/05/17 11:30	KLV	1702811



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#### **ANALYTICAL REPORT**

Client: ATC Group Services Work Order: 1703454

Project: School Drinking Water Testing Description: DCP @ NW

Client Sample ID: KS-F-DCP-Kitchen (E) Sampled: 03/28/17 07:32

Lab Sample ID: 1703454-02 Sampled By: ATC

Matrix: Drinking Water Received: 03/28/17 18:45

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Copper	0.071	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 13:20	KLV	1702816
Lead	< 0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 13:20	KLV	1702816



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#### **ANALYTICAL REPORT**

Client: ATC Group Services Work Order: 1703454

Project: School Drinking Water Testing Description: DCP @ NW

Client Sample ID: DWF-P-DCP-A204-Right Sampled: 03/28/17 07:34

Lab Sample ID: 1703454-03 Sampled By: ATC

Matrix: Drinking Water Received: 03/28/17 18:45

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Copper	0.39	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 09:54	KLV	1702816
Lead	0.095	0.0050	0.015	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 09:54	KLV	1702816



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#### **ANALYTICAL REPORT**

Client: ATC Group Services Work Order: 1703454

Project: School Drinking Water Testing Description: DCP @ NW

Client Sample ID: DWF-F-DCP-A204-Right Sampled: 03/28/17 07:35

Lab Sample ID: **1703454-04** Sampled By: ATC

Matrix: Drinking Water Received: 03/28/17 18:45

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Copper	0.079	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 13:33	KLV	1702816
Lead	0.051	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 13:33	KLV	1702816



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#### **ANALYTICAL REPORT**

Client: ATC Group Services Work Order: 1703454

Project: School Drinking Water Testing Description: DCP @ NW

Client Sample ID: DWF-P-DCP-Foyer-Left Sampled: 03/28/17 07:40

Lab Sample ID: **1703454-05** Sampled By: ATC

Matrix: Drinking Water Received: 03/28/17 18:45

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Copper	0.27	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 09:57	KLV	1702816
Lead	0.0081	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 13:35	KLV	1702816



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#### **ANALYTICAL REPORT**

Client: ATC Group Services Work Order: 1703454

Project: School Drinking Water Testing Description: DCP @ NW

Client Sample ID: DWF-F-DCP-Foyer-Left Sampled: 03/28/17 07:41

Lab Sample ID: **1703454-06** Sampled By: ATC

Matrix: Drinking Water Received: 03/28/17 18:45

Analyte	Analytical Result	RL	Action Limit	Unit	Dilution Factor	Method	Date Time Analyzed	Ву	QC Batch
Copper	0.34	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 09:59	KLV	1702816
Lead	0.0035	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 13:38	KLV	1702816



# **QUALITY CONTROL REPORT**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
ζε 17ρε	Conci	Q.1.	resuit	01110	70 11001	Little	1410	Linito	112
Analyte: Copper/USEPA-2	200.8 Rev. 5.4								
QC Batch: 1702811 (200.2 Diges	tion)						Analyzed:	04/05/2017	By: KLV
Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample		0.0500	0.0517	mg/L	103	85-115			0.0010
QC Batch: 1702816 (Metals Direct	t Analysis)						Analyzed:	04/06/2017	By: KLV
Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample		0.0400	0.0395	mg/L	99	85-115			0.0010
1703454-02 [KS-F-DCP-Kitchen	(E)]								
Matrix Spike	0.0710	0.0200	0.0909	mg/L	100	70-130			0.0010
Matrix Spike Duplicate	0.0710	0.0200	0.0891	mg/L	90	70-130	2	20	0.0010
Analyte: Lead/USEPA-200	0.8 Rev. 5.4								
QC Batch: 1702811 (200.2 Diges	tion)						Analyzed:	04/05/2017	By: KLV
Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample		0.0500	0.0486	mg/L	97	85-115			0.0010
QC Batch: 1702816 (Metals Direct	t Analysis)						Analyzed:	04/06/2017	By: KLV
Method Blank			<0.0010	mg/L					0.0010
Laboratory Control Sample		0.0400	0.0391	mg/L	98	85-115			0.0010
1703454-02 [KS-F-DCP-Kitchen	(E)]								
Matrix Spike	0.000363	0.0200	0.0196	mg/L	96	70-130			0.0010
Matrix Spike Duplicate	0.000363	0.0200	0.0197	mg/L	97	70-130	0.6	20	0.0010



### PRETREATMENT SUMMARY PAGE

Client: ATC Group Services

Project: School Drinking Water Testing

Pretreatment	Lab Sample ID	Batch	Ву	Date & Time Prepared
USEPA-200.2 Metals Digestion	1703454-01	1702811	JBA	03/31/17 13:00
USEPA 600/R-94/173	1703454-02	1702816	JBA	03/30/17 16:53
	1703454-03	1702816	JBA	03/30/17 16:53
	1703454-04	1702816	JBA	03/30/17 16:53
	1703454-05	1702816	JBA	03/30/17 16:53
	1703454-06	1702816	JBA	03/30/17 16:53

5560 Corporate Exchange Court SE

For Lab Use Only

Chain of Custody Record

COC No. 156840

A NONE pH-7 B HNO, pH-2 C H.SO, pH-2		Project Name  Client Project No. / P.O. No.	ATC GROUP SERVICES
Pg of	Analyses Requested	S.COM	www.trimatrixlabs.com
COCNO. LUUGTO	Cliaill of Custody Record		A T 0 R I E S Grand Rapids, MI 49512

)						Sand out of High III to the owner		
TWORY.					co co			PRESERVATIVES
VOA Rack/Tray	Client Name	Project Name		7	1 1 1	111	1 1	A NONE pH-7
Receipt Log No. //O//	AIC GROVE SERVICES	Client Project No. / P.O. No.	0, No.					C H,SO, pH<2
47.10	46555 HUMBOLDT DRIVE				ER			D 1+1 HCl pH<2
Project Chemist	Novi MT 48577	A COLOR	Client  Other (comments)		PP			F ZnAcNaOH nH>9
TTTTC (M) I MAN	Phone Fax 248-649-5140/248-619-5147 Conta	t/Report To	ROBERT		4			G MeOH
Sample	Field Sample ID	Cooler ID Samole Date	Samole Time c	# G Matrix			Total	Sample Comments
Code Number	24		M Access and and access and acces	dt a	Numb	Number of Containers Submitted		
-6/	KS-P-DCP-KITCHEN (E)	3/28/17 7:31		X	+ +			
500	KS.F. DOPKITCHEN (E)		7:32					
3	DWF-P-DCP-A204-RIGHT		7:34					
40.	DWF-F- DCP- AZOH- RIGHT		7:35					
-05	05 DWF-P-DCP-FOYER-LEFT		0H:4					
-06	06 DWF-F-DCP-FOYER-LEFT	6-	11:4	-	-			
	120							
	00							
						-		
	10							
KIMBERLY JOHNSON	JSON How Shipped? Hand Carrier		Comments					
many Johnson	Tracking No.		>					
ATT GROVE	Kimberly JOHNS	Timo	King	(A)	5-28-17 1845	846 Reinspected By	Cale	Time f 14
SERVICES	Jun 3.28.17	1200	Par selements	85			ARd IN	1232817/

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Pace Analytic	al Receipt Record Pages Ine #//9	New 7 Add To	nk Order # 1703454
Recorded by (Initials/date)  ON 3-28-1'	Cooler Cty Rei	Thermometer Used Digital Thermometer Used Other (#	See Additional Cooler
Cooler # 135/3 5 Time/ 9/10	Cooler # Time	Cooler # Time	Cooler # Time
Custody Seals:  None Present / Intact	Custody Seals:  None Present / Intact	Custody Seals:  None Present / Intact	Custody Seals:  None Present / Intact
Present / Not Intact Coolant Type: Loose Ice	☐ Present / Not Intact Coolant Type: ☐ Loose Ice	☐ Present / Not Intact Coolant Type: ☐ Loose ice	Present / Not Intact  Coolant Type:
Bagged Ice Blue Ice None	☐ Bagged Ice ☐ Blue Ice ☐ None	Bagged Ice Blue Ice None	Bagged Ice Blue Ice None
Coolant Location: Dispersed / Top / Middle / Bottom Temp Blank Present: Yes No If Present, Temperature Blank Location is:	Coclant Location: Dispersed / Top / Middle / Botto Temp Blank Present:  Yes No	Temp Blank Present: Yes No	Temp Blank Present: Yes No
Representative Not Representative Observed Correction 'C Factor 'C Actual 'C	Representative Not Representa  Observed Correction  "C Factor."C Actual	Representative Not Representati	Representative Not Representati
Temp Blank: Sample 1: 3 L/ A 3 H	Temp Black Sample 1:	Temp Blank: Sample 1	Terrp Blank: Sample 1:
Sample 2: 4.3 0 4.3 Sample 3: 5 0 0 5 9	Sample 2: Sample 3:	Sample 2 Sample 3:	Sample 2: Sample 3:
3 Sample Average *C: 4,5	3 Sample Average *C;	3 Sample Average °C:	3 Sample Average °C:
Cooler ID on COC?  VOC Trip Blank received?	Cooler ID on COC?  VOC Trip Blank received?	Cooler ID on COC?  VOC Trip Blank received?	Cooler ID on COC?  VOC Trip Blank received?
If any shaded an	reas checked, complete Sampl	Receiving Non-Conformance and	
Paperwork Received  Yes No Chain of Custody record(s)? Received for Lab Signed/Dat Shipping document? Other  COC Information Pace COC Other  COC ID Numbers:	5. C. (19.1) (1.1) (1.1) (2.1) (1.1) (2.1)	O   If either is ≥6° O   If "Yes", Pro O   If "Yes" Con Completed Sai O   Samples chem	illank OR average sample temperature, >6° C/ C, was thermal preservation required? ject Chemist Approval Initials: pleted Non Con Cooler - Cont Inventory Form mple Preservation Verification Form? ically preserved correctly? prange tag? preserved VOC soils?
Check COC for Accuracy Yes No Analysis Requested? Sample ID matches COC? Sample Date and Time matches Container type completed on All container types indicated.	COC?	Check for Short Hold-Time Prep  Bacteriological Air Bags EnCores / Methanol Pre-Preserved Formaldehyde/Aldehyde Green-tagged containers Yellow/White-tagged 1 L ambers (S'	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.  Missing or incomp  Illegible information  Low volume receive	flids? lete labels? n on labels?	Notes    Trip Blank received   Trip	Blank not listed on COC rk Delivered (Date/Time)   ≤1 Hour Goal Met

Pal	ce Anal	yticai	S-Lini 1		page _	of		
Client CT	TC.				Work Order # 170	3454	THE STREET	
Receipt Log #	19-10		Completed By finitials 45a	28-17	Project Chemist		Sale V	
COCID# /	E104	7	Adjusted by:				pH Strip Reas	rent#/Lot#
100010			Date: DO NOT A		DJUST pH FOR THESE CONTAINER TYPES		7021862 / HC693124	
Container Type	5/23	4	13	6	15	The state of	-	
Tag Color	Lt. Blue	Blue	Brown	Red	Red Stripe		Oth	er
Preservative	NaOH	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HNO <sub>3</sub>			0.00
Expected pH	>12	<2	<2	<2	<2			
COC Line #1				V			Aqueous Samp	
COC Line #2					-	-V/ 1130 K	each sample ar	
COC Line #3	70			1/			type, check the acceptable. If p	
000111111				-	-		acceptable for a	
COC Line #4			- C - C	V			container, recor	d pH in box,
COC Line #5				1			and note on Sa	
COC Line #6	FAB: I		TOUGHT IN S			DES DESCRIPTION	Receiving Chec Sample Receiving	
COC Line #7				- V			Conformance F	A Total Control of the Control of th
						L. C. C. C. C.	approved by Pri	
COC Line #8		255		The State	The second	and the same	add acid or bas	
COC Line #9		May 1			- 4 718 T		sample to achie	
							pH. Add up to,	DUIT do not
COC Line #10 Comments						7 5 7	exceed 2x the v added at contai table below for used). Add ora	olume initiall ner prep (see initial volume
Comments							exceed 2x the v added at contai table below for used). Add ora sample contains information requ Record adjuster	olume initial! ner prep (see initial volume nge pH tag to er and record uested. d pH on this
COC Line #10 Comments			Adjusted byDate	DO NOT AL	DJUST pH FOR THESE CO	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample contains information requ	olume initial! ner prep (see initial volume nge pH tag to er and record uested. d pH on this djust pH for
Comments	5/23	4		DO NOT AL	DJUST PH FOR THESE CO	ONTAINER TYPES	exceed 2x the v added at contain table below for used). Add oral sample contains information required Record adjusted form. Do not ad	olume initial! ner prep (see initial volume nge pH tag to er and record uested. d pH on this djust pH for
COC ID #  Container Type Tag Color	Lt. Blue	4 Blue	Date:	3 000000000000	A STAND OF SAME SERVICES	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample contains information requ Record adjusted form. Do not ac container types	olume initial! ner prep (see initial volume nge pH tag to er and record uested. d pH on this djust pH for 6 and 15.
COC ID #  Container Type Tag Color Preservative	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contain table below for used). Add oral sample contains information requiling Record adjuster form. Do not accontainer types	olume initial! ner prep (see initial volume nge pH tag to er and record sested. d pH on this djust pH for 6 and 15.  Original Vol. o Preservative
COC ID #  Container Type Tag Color Preservative Expected pH	Lt. Blue	Blue	Date 13 Brown	6 Red	15 Red Stripe	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample contains information requ Record adjusted form. Do not ac container types	olume initial! ner prep (see initial volume nge pH tag to er and record sested. d pH on this djust pH for 6 and 15.  Original Vol. o
COC ID #  Container Type Tag Color Preservative	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contain table below for used). Add oral sample contains information requiling Record adjuster form. Do not accontainer types	olume initial! ner prep (see initial volume nge pH tag to er and record sested. d pH on this djust pH for 6 and 15.  Original Vol. o Preservative
COC ID #  Container Type Tag Color Preservative Expected pH	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample containe information requ Record adjuster form. Do not ac container types  Container Size (mL)	olume initially ner prep (see initial volume nge pH tag to er and record lested. d pH on this djust pH for 6 and 15.  Original Vol. of Preservative (mL)
Container Type Tag Color Preservative Expected pH COC Line #1	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample containe information requ Record adjuster form. Do not ac container types  Container Size (mL)  Container Type 5	olume initiall ner prep (see initial volume nge pH tag to er and record lested. d pH on this djust pH for 6 and 15.  Original Vol. o Preservative (mL)
Coc ID #  Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample containe information requ Record adjusted form. Do not ac container types  Container Size (mL)  Container Type 5	olume initiall ner prep (see initial volume nge pH tag to er and record lested. d pH on this djust pH for 6 and 15.  Original Vol. of Preservative (mL) NaOH
Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2 COC Line #3	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample containe information requ Record adjuster form. Do not ac container types  Container Size (mL)  Container Type 5	olume initially ner prep (see initial volume nge pH tag to er and record lested. d pH on this djust pH for 6 and 15.  Original Vol. of Preservative (mL) NaOH 2.5
Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2 COC Line #3 COC Line #4	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample containe information requ Record adjuster form. Do not ac container types  Container Size (mL)  Container Type 5 500 1000  Container Type 4	olume initially ner prep (see initial volume inge pH tag to the pH tag tag tag tag to the pH tag tag tag tag tag tag tag tag t
Comments  COC ID #  Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #4	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample containe information requ Record adjusted form. Do not ac container types  Container Type 5 500 1000  Container Type 4	olume initiall ner prep (see initial volume nge pH tag to er and record lested. d pH on this djust pH for 6 and 15.  Original Vol. of Preservative (mL) NaOH 2.5 5.0  H <sub>2</sub> SO <sub>4</sub> 0.5
Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #3 COC Line #4 COC Line #5 COC Line #6	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the v added at contai table below for used). Add ora sample containe information requ Record adjuster form. Do not ac container types  Container Type 5  500  1000  Container Type 4  125  250	olume initiall ner prep (see initial volume nge pH tag to er and record lested. d pH on this djust pH for 6 and 15.  Original Vol. of Preservative (mL) NaOH 2.5 5.0  H <sub>2</sub> SO <sub>4</sub> 0.5 1.0
Comments  COC ID #  Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6 COC Line #7	Lt. Blue NaOH	Blue H <sub>2</sub> SO <sub>4</sub>	13 Brown H <sub>2</sub> SO <sub>4</sub>	6 Red HNO <sub>3</sub>	15 Red Stripe HNO <sub>3</sub>	ONTAINER TYPES	exceed 2x the vadded at containable below for used). Add or a sample contains information required adjuster form. Do not accontainer types  Container Size (mL)  Container Type 5 500 1000  Container Type 4 125 250 500	olume initially ner prep (see initial volume inge pH tag to the pH tag to the pH tag to the pH tag to the pH on this digital to the pH on this digital to the pH tag tag to the pH tag to the pH tag tag tag to the pH tag tag tag tag tag tag tag