



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	Description
1703423	03/23/2017	Breithaupt

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
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.



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **KS-P-B-RM 100 E. Side (R)** Sampled: 03/23/17 06:30
Lab Sample ID: **1703423-01** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.14	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/05/17 13:51	KLV	1702811
Lead	0.0057	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/05/17 11:11	KLV	1702811



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	KS-F-B-RM 100 E. Side (R)	Sampled:	03/23/17 06:31
Lab Sample ID:	1703423-02	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.044	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/05/17 11:14	KLV	1702811
Lead	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/05/17 11:14	KLV	1702811



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **DWF-P-B-RM 103** Sampled: 03/23/17 06:34
Lab Sample ID: **1703423-03** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.18	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/05/17 13:54	KLV	1702811
Lead	0.0049	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/05/17 11:16	KLV	1702811



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **DWF-F-B-RM 103** Sampled: 03/23/17 06:35
Lab Sample ID: **1703423-04** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.082	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 08:47	KLV	1702814
Lead	0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 10:44	KLV	1702814



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	KS-P-B-RM 103 S. Side West Sink	Sampled:	03/23/17 06:38
Lab Sample ID:	1703423-05	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.13	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 08:57	KLV	1702814
Lead	0.0016	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 10:54	KLV	1702814



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	KS-F-B-RM 103 S. Side West Sink	Sampled:	03/23/17 06:39
Lab Sample ID:	1703423-06	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.025	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:02	KLV	1702814
Lead	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:02	KLV	1702814



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **DWF-P-B-RM 107** Sampled: 03/23/17 06:40
Lab Sample ID: **1703423-07** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.19	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 09:00	KLV	1702814
Lead	0.014	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:05	KLV	1702814



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	DWF-F-B-RM 107	Sampled:	03/23/17 06:41
Lab Sample ID:	1703423-08	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.065	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:07	KLV	1702814
Lead	0.0014	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:07	KLV	1702814



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	KS-P-B-RM 117	Sampled:	03/23/17 06:43
Lab Sample ID:	1703423-09	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.57	0.010	1.3	mg/L	10	USEPA-200.8 Rev. 5.4	04/05/17 13:57	KLV	1702811
Lead	0.066	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/05/17 11:25	KLV	1702811



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **KS-F-B-RM 117** Sampled: 03/23/17 06:44
Lab Sample ID: **1703423-10** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.19	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 09:07	KLV	1702814
Lead	0.0040	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:10	KLV	1702814



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **DWF-P-B-RM 109** Sampled: 03/23/17 06:45
Lab Sample ID: **1703423-11** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.30	0.010	1.3	mg/L	10	USEPA-200.8 Rev. 5.4	04/05/17 13:59	KLV	1702811
Lead	0.0066	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/05/17 11:27	KLV	1702811



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	DWF-F-B-RM 109	Sampled:	03/23/17 06:46
Lab Sample ID:	1703423-12	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.041	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:12	KLV	1702814
Lead	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:12	KLV	1702814



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **DWC-P-B-Hall @ RM 106** Sampled: 03/23/17 06:48
Lab Sample ID: **1703423-13** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.055	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:20	KLV	1702814
Lead	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:20	KLV	1702814



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	DWC-F-B-Hall @ RM 106	Sampled:	03/23/17 06:49
Lab Sample ID:	1703423-14	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.071	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:22	KLV	1702815
Lead	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:22	KLV	1702815



ANALYTICAL REPORT

Client: **ATC Group Services** Work Order: **1703423**
Project: School Drinking Water Testing Description: Breithaupt
Client Sample ID: **DWF-P-B-Hall @ RM 117 (R)** Sampled: 03/23/17 06:57
Lab Sample ID: **1703423-15** Sampled By: ATC
Matrix: Drinking Water Received: 03/23/17 17:00

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
Copper	0.24	0.0050	1.3	mg/L	5	USEPA-200.8 Rev. 5.4	04/07/17 09:10	KLV	1702815
Lead	0.0053	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:37	KLV	1702815



ANALYTICAL REPORT

Client:	ATC Group Services	Work Order:	1703423
Project:	School Drinking Water Testing	Description:	Breithaupt
Client Sample ID:	DWF-F-B-Hall @ RM 117 (R)	Sampled:	03/23/17 06:58
Lab Sample ID:	1703423-16	Sampled By:	ATC
Matrix:	Drinking Water	Received:	03/23/17 17:00

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
Copper	0.018	0.0010	1.3	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:40	KLV	1702815
Lead	<0.0010	0.0010	0.015	mg/L	1	USEPA-200.8 Rev. 5.4	04/06/17 11:40	KLV	1702815



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: Copper/USEPA-200.8 Rev. 5.4									
QC Batch: 1702811 (200.2 Digestion)						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: 1702814 (Metals Direct 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
QC Batch: 1702815 (Metals Direct 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
1703423-14 [DWC-F-B-Hall @ RM 106]									
Matrix Spike	0.0711	0.0200	0.0910	mg/L	99	70-130			0.0010
Matrix Spike Duplicate	0.0711	0.0200	0.0923	mg/L	106	70-130	1	20	0.0010
QC Batch: 1702814 (Metals Direct Analysis)						Analyzed: 04/07/2017		By: KLV	
1703423-04 [DWF-F-B-RM 103]									
Matrix Spike	0.0822	0.100	0.180	mg/L	98	70-130			0.0050
Matrix Spike Duplicate	0.0822	0.100	0.177	mg/L	94	70-130	2	20	0.0050
Analyte: Lead/USEPA-200.8 Rev. 5.4									
QC Batch: 1702811 (200.2 Digestion)						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: 1702814 (Metals Direct 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
1703423-04 [DWF-F-B-RM 103]									
Matrix Spike	0.00100	0.0200	0.0200	mg/L	95	70-130			0.0010
Matrix Spike Duplicate	0.00100	0.0200	0.0203	mg/L	97	70-130	2	20	0.0010
QC Batch: 1702815 (Metals Direct Analysis)						Analyzed: 04/06/2017		By: KLV	
Method Blank			<0.0010	mg/L					0.0010

Continued on next page



QUALITY CONTROL REPORT

Metals in Drinking Water by EPA 200 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	
Analyte: Lead/USEPA-200.8 Rev. 5.4 (Continued)										
QC Batch: 1702815 (Continued) (Metals Direct Analysis)						Analyzed: 04/06/2017				By: KLV
Laboratory Control Sample		0.0400	0.0391	mg/L	98	85-115			0.0010	
1703423-14 [DWC-F-B-Hall @ RM 106]										
Matrix Spike	0.000444	0.0200	0.0197	mg/L	96	70-130			0.0010	
Matrix Spike Duplicate	0.000444	0.0200	0.0196	mg/L	96	70-130	0.4	20	0.0010	



PRETREATMENT SUMMARY PAGE

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

Pretreatment	Lab Sample ID	Batch	By	Date & Time Prepared
USEPA-200.2 Metals Digestion	1703423-01	1702811	JBA	03/31/17 13:00
	1703423-02	1702811	JBA	03/31/17 13:00
	1703423-03	1702811	JBA	03/31/17 13:00
	1703423-09	1702811	JBA	03/31/17 13:00
	1703423-11	1702811	JBA	03/31/17 13:00
USEPA 600/R-94/173	1703423-04	1702814	JBA	03/30/17 16:51
	1703423-05	1702814	JBA	03/30/17 16:51
	1703423-06	1702814	JBA	03/30/17 16:51
	1703423-07	1702814	JBA	03/30/17 16:51
	1703423-08	1702814	JBA	03/30/17 16:51
	1703423-10	1702814	JBA	03/30/17 16:51
	1703423-12	1702814	JBA	03/30/17 16:51
	1703423-13	1702814	JBA	03/30/17 16:51
	1703423-14	1702815	JBA	03/30/17 16:52
	1703423-15	1702815	JBA	03/30/17 16:52
	1703423-16	1702815	JBA	03/30/17 16:52



SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: <u>WTC</u>	Work Order #: <u>1703/23</u>
Receipt Record Page/Line #: <u>42-33</u>	Project/Chemist: _____ Sample #: _____

Recorded by (Initials/date): <u>JN 3-23-17</u>	<input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other	Qty Received: <u>1</u>	Thermometer Used: <input type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> Other (#) _____	<input type="checkbox"/> See Additional Cooler Information Form
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Cooler #	Time	Cooler #	Time	Cooler #	Time
<u>1718842009</u>					
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact	
Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input checked="" type="checkbox"/> None		Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None		Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None	
Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom	
Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative		Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative		Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative	
Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C
Temp Blank			Temp Blank		
Sample 1: <u>15.7</u>	<u>0</u>	<u>15.7</u>	Sample 1:		
Sample 2: <u>17.8</u>	<u>0</u>	<u>17.8</u>	Sample 2:		
Sample 3: <u>17.1</u>	<u>0</u>	<u>17.1</u>	Sample 3:		
3 Sample Average °C: <u>16.9</u>		3 Sample Average °C:		3 Sample Average °C:	
<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> 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

Pace COC Other: _____

COC ID Numbers: 2159574
2159573

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	Description
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Broken containers/lids?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Missing or incomplete labels?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Illegible information on labels?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Low volume received?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inappropriate or non-Pace containers received?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOC vials / TOX containers have headspace?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A Yes No Temperature Blank OR average sample temperature, ≥26° C?

If either is 26° 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 Na₂SO₄

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?
<u>JN 3/23/17</u>	<u>3/23/17</u>	Yes / No



SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client: <u>ATC</u>	Work Order #: <u>1703423</u>
Receipt Log #: <u>42-33</u>	Completed By (initials/date): <u>[Signature] 3-23-17</u>
Project Chemist: <u>[Signature]</u>	

COC ID #: <u>2159574</u>				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				✓							
Comments:	<u>LINE 11</u>										
	<u>LINE 12</u>										

pH Strip Reagent # / Lot #

7021862 / HC693124

Other _____

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 #: <u>2159573</u>				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											
Comments											

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