



August 1, 2016

Debra Spring Matrix Head Start 2051 Rosa Parks Boulevard Detroit, Michigan 48216

SUBMITTED VIA EMAIL TO: dspring@matrix.org

**SUBJECT:** Drinking Water Screening Report

Saint Stephen

1235 Lawndale Street Detroit, Michigan 48209

Dear Ms. Spring:

ATC Group Services, LLC (ATC) is pleased to submit this Drinking Water Screening Report for the subject school. The drinking water samples collected from the school were submitted to TriMatrix Laboratories, for Michigan Department of Environmental Quality (MDEQ) Drinking Water Certified lead analysis.

### **SCOPE OF WORK**

At the request of the Matrix Head Start (Matrix), ATC collected drinking water samples as a general screening for lead at the subject school. Matrix in coordination with the City of Detroit Health Department determined that the screening would consist of collection of water samples from three (3) high priority water outlets (drinking fountains, kitchen/food preparation area faucets, etc.), regularly used by students and staff for drinking, as designated by Matrix personnel. Two (2) samples were collected at each outlet: a first draw (Primary) sample; and a Flush sample. The Primary samples were collected from outlets that had been inactive for a minimum of eight hours. The Flush samples were collected after the water was allowed to run for a minimum of thirty (30) seconds at each of the sample locations.

The drinking water samples were collected in 125 milliliter, wide-mouth sample containers, containing nitric acid (preservative). Each sample container was labeled utilizing a coding system that identified: the type of drinking outlet sampled, Drinking Water Fountain (DWF), Drinking Water Cooler (DWC), Kitchen Faucet (KF) etc.; and a (P) for primary samples and a (F) for flush samples.





The samples were transported under chain of custody to TriMatrix Laboratories, located at 5560 Corporate Exchange Court SE, Grand Rapids Michigan for MDEQ drinking water certified lead analysis, using analytical method EPA 200.8 rev 5.4.

As per the EPA's 3T's for Reducing Lead in Drinking Water in Schools, Revised Technical Guidance (October 2006) analysis of the flush sample(s) was only performed if analysis of the first draw (Primary) sample(s) indicated lead and/or copper concentrations greater than the EPA established Maximum Contaminate Level (MCL).

### **FINDINGS**

Analytical results indicate that none of the samples analyzed were above the EPA recommended limits of 0.015 milligrams per liter (mg/L) for lead. The table below summarizes the analytical results for the samples submitted. The laboratory analytical reports and chain of custody are provided in Attachment A.

| Sample Number   | Total Lead (Drinking Water) | MCL        |
|---|-----------------------------|------------|
| 1-DF-P-SS/Drinking Fountain<br>(@ Boy's Bath – Main Hall) | 0.0037 mg/L                 | 0.015 mg/L |
| 1-DF-F-SS/Drinking Fountain<br>(@ Boy's Bath – Main Hall) | NA                          | 0.015 mg/L |
| 2-BSB-P-SS/Bathroom Sink<br>(Boy's Bath Sink – Right)     | <0.0010 mg/L                | 0.015 mg/L |
| 2-BSB-F-SS/Bathroom Sink<br>(Boy's Bath Sink – Right)     | NA                          | 0.015 mg/L |
| 3-KS-P-SS/Kitchen Sink<br>(Kitchen Off Gym)               | <0.0010 mg/L                | 0.015 mg/L |
| 3-KS-F-SS/Kitchen Sink<br>(Kitchen Off Gym)               | NA                          | 0.015 mg/L |

Key: NA - Not Analyzed

mg/L- milligrams per liter /parts per million (ppm)



46555 Humboldt Drive Novi, Michigan 48377 Telephone 248-669-5140 www.atcgroupservices.com

### **LIMITATIONS**

The sampling and analysis completed was: a preliminary screening for lead only, to assess lead concentrations (mg/L) at drinking water outlets in the school designated as high use by Matrix, and may not be representative of all drinking water outlets within the school. If lead concentrations are identified above their respective MCL's at any of the drinking water outlets tested, further review of the plumping system, fixtures affected, and testing should be completed to assess the source of the elevated levels of lead, as well as, any other response actions deemed necessary by Matrix.

The drinking water screening proposed and conducted by ATC was devised in cooperation with Matrix, City of Detroit Health Department and utilizing the EPA's 3Ts for Reducing Lead in Drinking Water in Schools and may not meet all of the recommendations provided by the MDEQ "Guidance on Drinking Water Sampling for Lead and Copper at Schools and Daycares on Community Water Supplies" Version 2.0 - April 13, 2016. Future drinking water evaluation and sampling in accordance with the recommendations may be predicated on applicable guidelines by the MDEQ or EPA and will be determined prior to developing a sampling plan for the school.

Sincerely,

**ATC Group Services, LLC** 

Marte & Somble

Martin Gamble

Senior Project Manager

Robert C. Smith

**Building Science Department Manager** 

Robert C. Kiniz

# APPENDIX A LABORATORY ANALYTICAL REPORT



June 08, 2016

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

Project: HM-St. Steven's

Dear Mr. Robert Smith,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

| <b>Work Order</b> | Received   | Description   |
|-------------------|------------|---------------|
| 1605667           | 05/27/2016 | 1235 Lawndale |

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.

Page 2 of 11



### 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: 1605667 Project: HM-St. Steven's Description: 1235 Lawndale 05/25/16 06:49 Client Sample ID: 1-DF-P-SS/Drinking Fountain Sampled:

Lab Sample ID: 1605667-01 Sampled By: ATC

Matrix: **Drinking Water** Received: 05/27/16 16:45

### Metals in Drinking Water by EPA 200 Series Methods

| Analyte | Analytical<br>Result | RL     | Action<br>Limit | Unit | Dilution<br>Factor | Method               | Date Time<br>Analyzed | Ву  | QC<br>Batch |
|---------|----------------------|--------|-----------------|------|--------------------|----------------------|-----------------------|-----|-------------|
| Lead    | 0.0037               | 0.0010 | 0.015           | mg/L | 1                  | USEPA-200.8 Rev. 5.4 | 06/07/16 10:16        | DSC | 1605652     |

Page 4 of 11



### **ANALYTICAL REPORT**

Client:ATC Group ServicesWork Order:1605667Project:HM-St. Steven'sDescription:1235 LawndaleClient Sample ID:2-BSB-P-SS/Bathroom SinkSampled:05/25/16 06:54

Lab Sample ID: **1605667-03** Sampled By: ATC

Matrix: Drinking Water Received: 05/27/16 16:45

### Metals in Drinking Water by EPA 200 Series Methods

| Analyte | Analytical<br>Result | RL     | Action<br>Limit | Unit | Dilution<br>Factor | Method               | Date Time<br>Analyzed | Ву  | QC<br>Batch |
|---------|----------------------|--------|-----------------|------|--------------------|----------------------|-----------------------|-----|-------------|
| Lead    | <0.0010              | 0.0010 | 0.015           | mg/L | 1                  | USEPA-200.8 Rev. 5.4 | 06/07/16 10:18        | DSC | 1605652     |



### **ANALYTICAL REPORT**

Client:ATC Group ServicesWork Order:1605667Project:HM-St. Steven'sDescription:1235 LawndaleClient Sample ID:3-KS-P-SS/Kitchen SinkSampled:05/25/16 06:57

Lab Sample ID: **1605667-05** Sampled By: ATC

Matrix: Drinking Water Received: 05/27/16 16:45

### Metals in Drinking Water by EPA 200 Series Methods

| Analyte | Analytical<br>Result | RL     | Action<br>Limit | Unit | Dilution<br>Factor | Method               | Date Time<br>Analyzed | Ву  | QC<br>Batch |
|---------|----------------------|--------|-----------------|------|--------------------|----------------------|-----------------------|-----|-------------|
| Lead    | <0.0010              | 0.0010 | 0.015           | mg/L | 1                  | USEPA-200.8 Rev. 5.4 | 06/07/16 10:21        | DSC | 1605652     |



### **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: 1605652 (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  |



### PRETREATMENT SUMMARY PAGE

**ATC Group Services** Client: HM-St. Steven's Project:

|                    |               |         |     | Date & Time    |  |
|--------------------|---------------|---------|-----|----------------|--|
| Pretreatment       | Lab Sample ID | Batch   | Ву  | Prepared       |  |
| USEPA 600/R-94/173 | 1605667-01    | 1605652 | LNS | 06/02/16 08:15 |  |
|                    | 1605667-03    | 1605652 | LNS | 06/02/16 08:15 |  |
|                    | 1605667-05    | 1605652 | LNS | 06/02/16 08:15 |  |



# **Chain of Custody Record**

COC No. 160538293

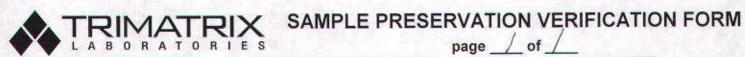
| lyze flush samples                                      |   | Date       |          | Ballinquished By                                 | 14/1 2                        | J. Marine | 1. Relimpuished By  COA 10 51                              | Company ( ATC Group Services LLC  | Cotoparty  ATC Group Services LLC |
|---|---|------------|----------|--|-------------------------------|-----------|--|-----------------------------------|-----------------------------------|
| lyze flush samples                                      |   |            |          |  | C                             | Carrier   | How Shipped? Hand<br>Tracking No.                          | R.                                | Sampler's Signature               |
|   | If lead is above detection limits, please analyze flush samples | If lead is |          | Comments   | 0                             |           |  | Sampled By (print) Andrew Ketchum | ampled By (print)                 |
|   |   |            |          |  |                               |           |  | 10                                |                                   |
|   |   |            |          |  |                               |           |  | 9                                 |                                   |
|   |   |            |          |  |                               |           |  | 0                                 |                                   |
|   |   |            |          |  |                               |           |  | 7                                 |                                   |
| 1 Kitchen off Gym                                       |   | ×          | ×        | 658  | 5/25/16                       | 4         | 3-KS-F-SS/Kitchen Sink                                     | 06 8 3-KS                         | 2                                 |
| 1 Kitchen off Gym                                       |   | ×          | ×        | 657  | 5/25/16                       |           | 3-KS-P-SS/Kitchen Sink                                     | 05 5 3-KS                         | 0                                 |
| 1 Boys Bath Sink-Right                                  |   | ×          | ×        | 655  | 5/25/16                       |           | 2-BSB-F-SS/Bathroom Sink                                   | 04 4 2-BS                         | 2                                 |
| 1 Boys Bath Sink-Right                                  |   | ×          | ×        | 654  | 5/25/16                       |           | 2-BSB-P-SS/Bathroom Sink                                   | 03 3 2-BS                         | 2                                 |
| 1 @ Boys Bath - Main Hall                               |   | ×          | ×        | 650  | 5/25/16                       |           | 1-DF-F-SS/Drinking Fountain                                | 02 2 1-DF                         | 02                                |
| 1 @ Boys Bath - Main Hall                               |   | ×          | ×        | 649  | 5/25/16                       | LYZZY!    | 1-DF-P-SS/Drinking Fountain                                | 0/ 1-DF                           | 2                                 |
| Total Sample Comments                                   | Number of Containers Submitted                                  |            | R Matrix | Sample o   | Sample<br>Date                | Cooler ID | Field Sample ID  | Sample<br>Number                  | ****                              |
| I   | Container Type (corresponds to Container Packing List)          | Container  |          |  | Robert Smith                  | Rot       | robert.smith@atcassociates.net                             |                                   | 699/500                           |
| F ZnAcNaOHpH>9  G MeOH                                  |   |            | nments)  | ☐ Other (comments)                               | Contact/Report To             |           | Novi, Michigan 48377  Phone: 248-669-5140 Fax 248-669-5147 |                                   | Work Order No.                    |
|   |   |            |          |  | Invoice To                    | Invo      | Zip  |                                   | Project Chemist                   |
| C H <sub>2</sub> SO <sub>4</sub> pH<2<br>D 1+1 HCl pH<2 |   | mary (F    |          | / P.O. No.                                       | Client Project No. / P.O. No. | Clier     | Address<br>46555 Humboldt Drive Suite 100                  | Address<br>46555 H                | Receipt Log No.                   |
| A NONE pH~7 B HNO <sub>3</sub> pH<2                     |   | (5)        | wndale   | Project Name<br>HM-St. Stephen's - 1235 Lawndale | Project Name<br>HM-St. Stephe | Proje     | Client Name<br>ATC Group Services, LLC                     | Client Name<br>ATC Grou           | VOA Rack/Tray                     |
|   |   |            | mom      | www.trimatiixiabs.com                            |                               | 942-140   | Frione (616) 9/3-4300 Fax (616) 942-7463                   | rnon                              | Van /S                            |

ORIGINAL - LABORATORY

COPY - SAMPLER

## SAMPLE RECEIVING / LOG-IN CHECKLIST

| TRIMATRI   | X Client QTC GROV  | New / Add To  | 1605667  |
|--|--|---|--|
| Recorded by (initials/date)  | E S Receipt Record Page/Line # 2/-2  | Project Chemist Sample  IR Gun (#202)  Thermometer Used   Digital Thermometer   | See Additional Cooler  |
| UN SIGI  | Cooler # Time  | Other (#)   Cooler # Time   | Cooler# Time   |
| Cooler # 7   | 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 Observed Correction Correction Cobserved Correction Correction Control Actual Correction Control Control Correction Control Control Correction Control Control Correction Control | 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    Correction    Actual *C Temp Blank: Sample 1: Sample 2: Sample 3:  3 Sample Average *C: | 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 Representativ Representative Actual *C Temp Blank: Sample 1: Sample 2: Sample 3:  3 Sample Average *C: |
| □ VOC Trip Blank received?   | □ VOC Trip Blank received?   | □ VOC Trip Blank received?  | ☐ VOC Trip Blank received?   |
| Paperwork Received Yes, No Chain of Custody record(s)? Received for Lab Signed/Da Shipping document? Other COC Information TriMatrix COC Other COC ID Numbers:   | If No, Initiated By  | ☐ ☐ If either is ≥6° C. ☐ If "Yes", Project ☐ ☐ If "Yes" Comple   | nk OR average sample temperature, ≥6° C? was thermal preservation required? t Chemist Approval Initials: sted Non Con Cooler - Cont Inventory Form? le Preservation Verification Form? tlly preserved correctly?   |
| THE RESERVE AND THE PARTY OF TH | ches COC? In COC? are received?  s/lids? plete labels? on on labels?   | Check for Short Hold-Time Prep/A  Bacteriological Air Bags EnCores / Methanol Pre-Preserved Formaldehyde/Aldehyde Green-tagged containers Yellow/White-tagged 1 L ambers (SV F  | AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S) NONE RECEIVED RECEIVED, COCS TO LAB(S)  |



|   | 7                | 4.15                                   |  |                              |                                      |                      | 40-8-9-12  |  |
|---|------------------|--|--|------------------------------|--------------------------------------|----------------------|--|--|
| OC 10# /6/  | 5382             | 293                                    | Adjusted by:Date:  | DO NOT AD                    | JUST PH FOR TH                       | ESE CONTAINER TYPES  | pH Strip R   | eagent #<br>10263  |
| Container Type  | 5/23             | 4                                      | 13   | 6                            | 15                                   |                      |  |  |
| Tag Color   | Lt. Blue         | Blue                                   | Brown  | Red                          | Red Stripe                           |                      | U  |  |
| 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>                     |                      |  |  |
| Expected pH   | >12              | <2                                     | <2   | <2                           | <2                                   |                      |  |  |
| COC Line #1   |                  |  |  | /                            |                                      |                      | Aqueous Sampl  |  |
| COC Line #2   |                  |  | To the same of   |                              |                                      |                      | each sample an<br>type, check the  |  |
| COC Line #3   |                  | 7, 147                                 | EXCEPTION OF   |                              |                                      | The second           | acceptable. If p   | H is not   |
| COC Line #4   |                  |  |  | 1                            |                                      |                      | acceptable for a<br>container, recor   |  |
| COC Line #5   |                  |  | A CONTRACTOR OF THE PARTY OF TH |                              | Les Toll                             | Carlotte Carlotte    | and note on Sar  | nple   |
| COC Line #6   | 199              |  |  | 1                            | 1770                                 |                      | Receiving Chec<br>Sample Receivi   |  |
| COC Line #7   |                  |  |  |                              |                                      |                      | Conformance F  | orm. If  |
| COC Line #8   |                  | 5.271                                  | The Kenz III is  |                              | 744                                  | 1975 A 587 FM        | approved by Pro<br>add acid or base  |  |
| COC Line #9   |                  | 042                                    | 12 300   |                              |                                      |                      | sample to achie  | ve the correct   |
| TA EXCEPTION OF THE   |                  |  |  |                              |                                      |                      | pH. Add up to,   |  |
| COC Line #10  | TATO STA         |  |  |                              |                                      | 12.17                | exceed 2x the v  | Service of the servic |
| COC Line #10<br>Comments  |                  |  |  |                              |                                      |                      | exceed 2x the v<br>added at contain<br>table below for i<br>used). Add oral<br>sample contains<br>information requ   | ner prep (see<br>initial volumes<br>inge pH tag to<br>ar and record  |
| 11 100 200 100 100  |                  |  | Adjusted by:   | DO NOT AL                    | DJUST pH FOR TH                      | IESE CONTAINER TYPES | added at contain<br>table below for in<br>used). Add oran<br>sample containe   | ner prep (see<br>nitial volumes<br>nge pH tag to<br>er and record<br>uested.<br>d pH on this<br>tjust pH for   |
| Comments OC ID #  |                  |  | Adjusted by  | DO NOT AL                    |                                      | IESE CONTAINER TYPES | added at contain table below for in used). Add oral sample contained information requirements. Record adjusted form. Do not additional tables.   | ner prep (see<br>nitial volumes<br>nge pH tag to<br>er and record<br>uested.<br>d pH on this<br>tjust pH for   |
| OC ID #   | 5/23             | 4                                      | Date:13  | 6                            | 15                                   | IESE CONTAINER TYPES | added at contain table below for in used). Add oral sample contained information requirements. Record adjusted form. Do not additional tables.   | ner prep (see<br>nitial volumes<br>nge pH tag to<br>er and record<br>lested.<br>d pH on this<br>tjust pH for<br>6 and 15.  |
| OC ID #  Container Type Tag Color   | Lt. Blue         | Blue                                   | 13<br>Brown  | 6<br>Red                     | 15<br>Red Stripe                     | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample container information requirements form. Do not accontainer types  | ner prep (see<br>nitial volumes<br>nge pH tag to<br>er and record<br>lested.<br>d pH on this<br>fjust pH for<br>6 and 15.  |
| Container Type Tag Color Preservative   | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample contained information requirements form. Do not accontainer types  | ner prep (see<br>nitial volumes<br>nge pH tag to<br>er and record<br>lested.<br>d pH on this<br>tjust pH for<br>6 and 15.  |
| Comments  OC ID #  Container Type Tag Color   | Lt. Blue         | Blue                                   | 13<br>Brown  | 6<br>Red                     | 15<br>Red Stripe                     | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample container information requirements form. Do not accontainer types  | ner prep (see<br>nitial volumes<br>nge pH tag to<br>er and record<br>lested.<br>d pH on this<br>fjust pH for<br>6 and 15.  |
| Container Type Tag Color Preservative Expected pH   | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample contained information requirements form. Do not accontainer types  Container Size (mL)   | ner prep (see nitial volumes nge pH tag to er and record lested. d pH on this flust pH for 6 and 15.  Original Vol. of Preservative (mL)   |
| Container Type Tag Color Preservative Expected pH COC Line #1   | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for in used). Add oral sample contained information requirements form. Do not accontainer types  Container Size (mL)  Container Type 5  | ner prep (see nitial volumes nge pH tag to er and record uested. d pH on this djust pH for 6 and 15.  Original Vol. of Preservative (mL) NaOH  |
| Comments  Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2                                       | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample container information requirements form. Do not accontainer types  Container Size (mL)  Container Type 5   | ner prep (see nitial volumes nge pH tag to er and record uested. d pH on this dijust 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                                     | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample contained information requirements form. Do not accontainer types  Container Size (mL)  Container Type 5  500  1000                                      | ner prep (see nitial volumes 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<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for in used). Add oral sample container information requirements form. Do not accontainer types  Container Size (mL)  Container Type 5  500  1000  Container Type 4                 | ner prep (see nitial volumes 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>   |
| Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5             | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample container information required adjusted form. Do not accontainer types  Container Size (mL)  Container Type 5  500  1000  Container Type 4  125          | ner prep (see nitial volumes nge pH tag to er and record uested. d pH on this fligst 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 #5             | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for used). Add oral sample contained information requirements form. Do not accontainer types  Container Size (mL)  Container Type 5  500  1000  Container Type 4  125  250          | ner prep (see nitial volumes 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  |
| Container Type Tag Color Preservative Expected pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #5 | Lt. Blue<br>NaOH | Blue<br>H <sub>2</sub> SO <sub>4</sub> | 13 Brown H <sub>2</sub> SO <sub>4</sub>  | 6<br>Red<br>HNO <sub>3</sub> | 15<br>Red Stripe<br>HNO <sub>3</sub> | IESE CONTAINER TYPES | added at contain table below for in used). Add or an sample contained information requirements form. Do not accontainer types  Container Size (mL)  Container Type 5  500  1000  Container Type 4  125  250  500 | ner prep (see nitial volumes nge pH tag to er and record uested. d pH on this fligst 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  2.0  4.0   |