



September 11, 2018

Mathew Sam
Detroit Public Schools
1601 Farnsworth
Detroit, Michigan 48202

SUBMITTED VIA EMAIL TO: mathew.sam@detroitk12.org

SUBJECT: Drinking Water Screening Report

Detroit International Academy for Young Women

9026 Woodward Avenue

Detroit, Michigan

Dear Mr. Sam:

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 Pace Analytical Services, LLC, for Michigan Department of Environmental Quality (MDEQ) Drinking Water Certified lead and copper analysis.

SCOPE OF WORK

At the request of the Detroit Public Schools (DPS), ATC collected drinking water samples as a general screening for copper and lead at the subject school. The water sampling conducted included the sampling of fixtures within teacher's lounges, kitchens, water fountains and pre-k classrooms. One (1) sample was collected at each outlet: a first draw (Primary) sample. The Primary samples were collected from outlets that had been inactive for a minimum of eight to eighteen hours. The fixture inventory locations including the sample locations are shown on the Fixture Inventory Locations Map included under Attachment A and fixture inventory photos including the sample location photos are included in a Fixture Inventory Photo Log under Attachment B.

The drinking water samples were collected in 125 milliliter, wide-mouth sample containers, containing nitric acid (preservative). Each sample container was labeled utilizing a unique coding system that identified: the type of drinking outlet sampled as well as the location.



The samples were transported under chain of custody to Pace Analytical Services, LLC, located at 5560 Corporate Exchange Ct. SE Grand Rapids, MI for MDEQ drinking water certified lead and copper analysis, using analytical method EPA 200.8 rev 5.4.

FINDINGS

Analytical results indicate that 7 of the samples analyzed were above the EPA recommended limits of 15 micrograms per liter (ug/L) for lead. None of the samples analyzed were above the EPA recommended limits of 1300 micrograms per liter (ug/L) for copper. The table below summarizes the analytical results for the samples submitted. The laboratory analytical reports and chain of custody are provided in Attachment C.

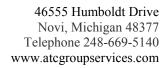
Table 1 – Water Testing Results (September 6, 2018)

Sample Number	Location	Description	Total Lead (ug/l)	Total Copper (ug/l)
2-Hall@Office-DWF-1	Hall to the left of office and stairs	Drinking Water Fountain	1.5 ug/L	131 ug/L
1-Kitchen-KF-11	Kitchen (room 138)	Kitchen - Left	4.1 ug/L	171 ug/L
1-Kitchen-KF-12	Kitchen (room 138)	Kitchen Faucet - Middle	42.7 ug/L	923 ug/L
1-Kitchen-KF-13	Kitchen (room 138)	Kitchen Faucet - Right	1.8 ug/L	330 ug/L
1-Kitchen-KF-15	Kitchen (room 138) - Center	Kitchen Faucet - Left	96.0 ug/L	206 ug/L
1-Kitchen-KF-16	Kitchen (room 138) - Center	Kitchen Faucet - Right	7.5 ug/L	138 ug/L
1-Kitchen-KF-17	Kitchen (room 138) - Near ovens	Kitchen Faucet	<1.0 ug/L	111 ug/L
1-Kitchen-DWF-19	Kitchen (room 138) - Near restrooms	Drinking Water Fountain	7.8 ug/L	924 ug/L
2-243-KF-20	Room 243 (teacher's lounge)	Kitchen Faucet	12.3 ug/L	579 ug/L



Sample Number	Location	Description	Total Lead (ug/l)	Total Copper (ug/l)
3-Hall@Stair-B-26	Hall to the right of stairwell	Bubbler	1.0 ug/L	7 ug/L
3-Hall@Stair-B-27	Hall to the left of stairwell	Bubbler	11.3 ug/L	9.1 ug/L
3-Hall@318-DWF-28	Hall to the left of room 318	Drinking Water Fountain	3.1 ug/L	25.5 ug/L
3-Hall@319-DWF-29	Hall to the left of room 319	Drinking Water Fountain	6.1 ug/L	55.2 ug/L
2-Hall@216-DWF-32	Hall to the left of room 216	Drinking Water Fountain	2.3 ug/L	84.4 ug/L
1-Hall@109-B-34	Hall across from room 109	Bubbler	5.1 ug/L	7.9 ug/L
1-Hall@134-B-37	Hall to the left of room 134	Bubbler - Left	15.2 ug/L	196 ug/L
1-Hall@134-B-38	Hall to the left of room 134	Bubbler - Center	17.5 ug/L	145 ug/L
1-Hall@134-B-39	Hall to the left of room 134	Bubbler - Right	7.2 ug/L	81.6 ug/L
2-Hall@260-B-43	Hall to the left of room 260	Bubbler - Left	93.7 ug/L	721 ug/L
2-Hall@259-B-45	Hall to the right of room 259	Bubbler - Left	19 ug/L	382 ug/L
2-Hall@259-B-46	Hall to the right of room 259	Bubbler - Right	18.9 ug/L	510 ug/L
3-Hall@336-B-50	Hall to the left of room 336 (women's restroom)	Bubbler - Right	6.3 ug/L	82.8 ug/L
2-Gym-B-51	Gym Left	Bubbler	4.2 ug/L	80.2 ug/L
1-Kitchen-KF-14	Kitchen (room 138) - Near door/coffee prep area	Kitchen Faucet (hand washing)	174 ug/L	245 ug/L

Key: NA - Not Analyzed





ug/L- micrograms per liter /parts per billion (ppb)

Analysis of samples of the kitchen faucets in room 138 (middle sink), handwashing sink, left center sink, left & center bubblers located next to room 134, left bubbler near room 260 and both bubblers near room 259 indicate that lead levels were above the MCL. No samples indicate that copper levels were above the MCL. See recommendations below.

RECOMMENDATIONS

For drinking water fixtures that exceed the MCL after the initial sampling, ATC recommends the following:

- 1. Implement a plan in accordance with MDEQ Guidance on Drinking Water Sampling for Lead and Copper, April, 2016 Version2; OR
- 2. Remove fixture from service.
- 3. Implement a flush plan for fixtures that exceed the MCL of the initial sample according to MDEQ Guidance and the EPA's 3T's for Reducing Lead in Drinking Water in Schools.

LIMITATIONS

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

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

Marta & Samble

Martin K. Gamble Senior Project Manager Robert C. Smith

Building Science Department Manager

Robert C. Kiniz



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

Attachments

Attachment A: Fixture Inventory Locations Map/Form

Attachment B: Fixture Inventory Photo Log Attachment C: Laboratory Analytical Report

Detroit International Academy for Young Women

Address

Fixture Identification	Fixture Location	Fixture Description	Photo #
2-Hall@Office-DWF-1	Hall to the left of office and stairs	Drinking Water Fountain	1
1-103-CF-2	Room 103 (Pre K)	Classroom Faucet	2
1-103-B-3	Room 103 (Pre K)	Bubbler- Not Accessible	3
1-105-CF-4	Room 105 (Pre K)	Classroom Faucet	4
1-105-B-5	Room 105 (Pre K)	Bubbler- Not Accessible	5
1-Kitchen-KF-6	Kitchen - Serving Room	Kitchen Faucet	6
1-Kitchen-KF-7	Kitchen - Payment Room	Kitchen Faucet	7
1-118-CF-8	Room 118 (Pre K)	Classroom Faucet	8
1-STAFF-KF-9	Staff dining room at the dining hall	Kitchen Faucet	9
1-Kitchen-KF-10	Kitchen (room 138)	Kitchen Faucet (hand washing)	10
1-Kitchen-KF-11	Kitchen (room 138)	Kitchen - Left	11

Detroit International Academy for Young Women

Address

Fixture Identification	Fixture Location	Fixture Description	Photo #
1-Kitchen-KF-12	Kitchen (room 138)	Kitchen Faucet - Middle	12
1-Kitchen-KF-13	Kitchen (room 138)	Kitchen Faucet - Right	13
1-Kitchen-KF-14	Kitchen (room 138) - Near door/coffee prep area	Kitchen Faucet (hand washing)	14
1-Kitchen-KF-15	Kitchen (room 138) - Center	Kitchen Faucet - Left	15
1-Kitchen-KF-16	Kitchen (room 138) - Center	Kitchen Faucet - Right	16
1-Kitchen-KF-17	Kitchen (room 138) - Near ovens	Kitchen Faucet	17
1-Kitchen-KF-18	Kitchen (room 138) - Near restrooms	Kitchen Faucet (hand washing)	18
1-Kitchen-DWF-19	Kitchen (room 138) - Near restrooms	Drinking Water Fountain	19
2-243-KF-20	Room 243 (teacher's lounge)	Kitchen Faucet	20
3-343-KF-21	Room 343 (teacher's lounge)	Kitchen Faucet	21
3-300-KF-22	Room 300 (library)	Kitchen Faucet	22

Detroit International Academy for Young Women

Address

Fixture Identification	Fixture Location	Fixture Description	Photo #
	Unnumbered room to the left of room 401		
4-XXX-KF-23	(inaccessible)	Kitchen Faucet- Not Working	23
4-Hall@401-DWF-24	Hall down from room 401	Drinking Water Fountain - Left- Not Working	24
4-Hall@401-DWF-25	Hall down from room 401	Drinking Water Fountain - Right- Not Working	25
3-Hall@Stair-B-26	Hall to the right of stairwell	Bubbler	26
3-Hall@Stair-B-27	Hall to the left of stairwell	Bubbler	27
3-Hall@318-DWF-28	Hall to the left of room 318	Drinking Water Fountain	28
3-Hall@319-DWF-29	Hall to the left of room 319	Drinking Water Fountain	29
2-Hall@Office-B-30	Hall to the right of the office and stairwell	Bubbler - Not Working	30
2-Hall@217-DWF-31	Hall to the right of room 217	Drinking Water Fountain- Not Working	31
2-Hall@216-DWF-32	Hall to the left of room 216	Drinking Water Fountain	32
1-Hall@103-DWF-33	Hall to the right of room 103	Drinking Water Fountain	33

Detroit International Academy for Young Women

Address

Fixture Identification	Fixture Location	Fixture Description	Photo #
1-Hall@109-B-34	Hall across from room 109	Bubbler	34
1-Hall@102-MF-35	Hall to the left of room 102	Missing Fixture	35
1-Hall@107-DWF-36	Hall across from room 107	Drinking Water Fountain- Not Working	36
1-Hall@134-B-37	Hall to the left of room 134	Bubbler - Left	37
1-Hall@134-B-38	Hall to the left of room 134	Bubbler - Center	38
1-Hall@134-B-39	Hall to the left of room 134	Bubbler - Right	39
1-Hall@148-B-40	Hall to the left of room 148	Bubbler- Not Working	40
1-Hall@153-B-41	Hall to the right of room 153	Bubbler - Left- Not Working	41
1-Hall@153-B-42	Hall to the right of room 153	Bubbler - Right- Not Working	42
2-Hall@260-B-43	Hall to the left of room 260	Bubbler - Left	43
2-Hall@260-B-44	Hall to the left of room 260	Bubbler - Right- Not Working	44

Detroit International Academy for Young Women

Address

Fixture Identification	Fixture Location	Fixture Description	Photo #
2-Hall@259-B-45	Hall to the right of room 259	Bubbler - Left	45
2-Hall@259-B-46	Hall to the right of room 259	Bubbler - Right	46
2-Hall@237-B-47	Hall across from room 237 near the doors	Bubbler - Left- Not Working	47
2-Hall@237-B-48	Hall across from room 237 near the doors	Bubbler - Right- Not Working	48
3-Hall@336-B-49	Hall to the left of room 336 (women's restroom)	Bubbler - Left- Not Working	49
3-Hall@336-B-50	Hall to the left of room 336 (women's restroom)	Bubbler - Right	50
2-Gym-B-51	Gym Left	Bubbler	51
2-Gym-B-52	Gym Right	Bubbler- Not Working	52

FIXTURE INVENTORY PHOTOLOG Detroit International Academy for Young Women Detroit, Michigan



Photo 1: Drinking water fountain, located in a 2nd floor hall, to the left of the office and stairs.



Photo 2: Classroom faucet, located on the 1st floor, in room 103.



Photo 3: Bubbler, located on the 1st floor, in room 103.



Photo 4: Classroom faucet, located on the 1st floor, in room 105.



Photo 5: Bubbler, located on the 1st floor, in room 105.



Photo 6: Kitchen faucet, located on the 1st floor, in the serving room (hand washing).

Detroit International Academy for Young Women



Photo 7: Kitchen faucet, located on the 1st floor, in the payment room (hand washing).



Photo 8: Classroom faucet, located on the 1^{st} floor, in room 118 (Pre K).



Photo 9: Kitchen faucet, located on the 1st floor, in the staff dining room.



Photo 10: Kitchen faucet, located on the 1st floor, in the kitchen (room 138) (hand washing).



Photo 11: Kitchen faucet, located on the 1st floor, in the kitchen (room 138) – left fixture (dish washing).



Photo 12: Kitchen faucet, located on the 1st floor, in the kitchen (room 138) – center fixture (dish washing).

Detroit International Academy for Young Women



Photo 13: Kitchen faucet, located on the 1st floor, in the kitchen (room 138) – right fixture (dish washing).



Photo 14: Kitchen faucet, located on the 1st floor, in the kitchen (room 138) – near door.



Photo 15: Kitchen faucet, located on the 1st floor, in the kitchen (room 138), center island – left fixture.



Photo 16: Kitchen faucet, located on the 1st floor, in the kitchen (room 138), center island – right fixture.



Photo 17: Kitchen faucet, located on the 1st floor, in the kitchen (room 138), near ovens.



Photo 18: Kitchen faucet, located on the 1st floor, in the kitchen (room 138), near restrooms (hand washing).

Detroit International Academy for Young Women



Photo 19: Drinking water fountain, located on the 1st floor, in the kitchen (room 138), near restrooms.



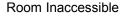
Photo 20: Kitchen faucet, located on the 2nd floor, in room 243 (teacher's lounge).



Photo 21: Kitchen faucet, located on the 3rd floor, in room 343 (teacher's lounge).



Photo 22: Kitchen faucet, located on the 3rd floor, in room 300 (library).



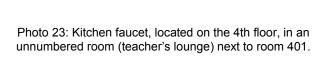




Photo 24: Drinking water fountain, located in a 4th floor hall, down from room 401 (left fixture).

Detroit International Academy for Young Women

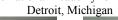




Photo 25: Drinking water fountain, located in a 4th floor hall, down from room 401 (right fixture).



Photo 26: Bubbler, located in a 3rd floor hall, to the right of the stairs.



Photo 27: Bubbler, located in a 3rd floor hall, to the left of the stairs.



Photo 28: Drinking water fountain, located in a 3rd floor hall, left of room 318.



Photo 29: Drinking water fountain, located in a 3rd floor hall, left of room 319.



Photo 30: Bubbler, located in a 2nd floor hall, to the left of the office and stairs.

Detroit International Academy for Young Women Detroit, Michigan



Photo 31: Drinking water fountain, located in a 2nd floor hall, right of room 217.



Photo 32: Drinking water fountain, located in a 2nd floor hall, left of room 216.



Photo 33: Drinking water fountain, located in a 1st floor hall, to the right of room 103.



Photo 34: Bubbler, located in a 1st floor hall, across from room 109.



Photo 35: Drinking water fountain, located in a 1st floor hall, to the left of room 102.



Photo 36: Drinking water fountain, located in a 1st floor hall, across from room 107.

Detroit International Academy for Young Women



Photo 37: Bubbler, located in a 1st floor hall, to the left of room 134 (left fixture).



Photo 38: Bubbler, located in a 1st floor hall, to the left of room 134 (center fixture).



Photo 39: Bubbler, located in a 1st floor hall, to the left of room 134 (right fixture).



Photo 40: Bubbler, located in a 1st floor hall, to the left of room 148.



Photo 41: Bubbler, located in a 1st floor hall, to the right of room 153 (left fixture).



Photo 42: Bubbler, located in a 1st floor hall, to the right of room 153 (right fixture).

Detroit International Academy for Young Women



Photo 43: Bubbler, located in a 2nd floor hall, to the left of room 260 (left fixture).



Photo 44: Bubbler, located in a 2nd floor hall, to the left of room 260 (right fixture).



Photo 45: Bubbler, located in a 2nd floor hall, to the right of room 259 (left fixture).



Photo 46: Bubbler, located in a 2nd floor hall, to the right of room 259 (right fixture).



Photo 47: Bubbler, located in a 2nd floor hall, across from room 237, near doors (left fixture).



Photo 48: Bubbler, located in a 2nd floor hall, across from room 237, near doors (right fixture).

FIXTURE INVENTORY PHOTOLOG Detroit International Academy for Young Women



Photo 49: Bubbler, located in a 3rd floor hall, to the left of room 336, near women's restroom (left fixture).



Photo 50: Bubbler, located in a 3rd floor hall, to the left of room 336, near women's restroom (right fixture).



Photo 51: Bubbler, located on the 2nd floor, in the gym.



September 06, 2018

Robert Smith ATC Group Services 46555 Humboldt Suite 100 Novi, MI 48377

RE: Project: DW-DIAYW

Pace Project No.: 4616830

Dear Robert Smith:

Enclosed are the analytical results for sample(s) received by the laboratory on August 23, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Will Cole will.cole@pacelabs.com (616)975-4500 Project Manager

Enclosures

cc: AP c/o Abigail Jardine, ATC Group Services Michael Hauswirth, ATC Group Services







CERTIFICATIONS

Project: DW-DIAYW Pace Project No.: 4616830

Grand Rapids Certification ID's

5560 Corporate Exchange Ct SE, Grand Rapids, MI 49512 Minnesota Department of Health, Certificate #1385941 Arkansas Department of Environmental Quality, Certificate

Georgia Environmental Protection Division, Stipulation Illinois Environmental Protection Agency, Certificate

Michigan Department of Environmental Quality, Laboratory

#0034

New York State Department of Health, Serial #57971 and 57972

North Carolina Division of Water Resources, Certificate #659

Virginia Department of General Services, Certificate #9780 Wisconsin Department of Natural Resources, Laboratory

#999472650

U.S. Department of Agriculture Permit to Receive Soil,

Permit #P330-17-00278



SAMPLE SUMMARY

Project: DW-DIAYW Pace Project No.: 4616830

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4616830001	2-Hall@Office-DWF-1	Drinking Water	08/14/18 07:47	08/23/18 19:45
4616830002	1-Kitchen-KF-11	Drinking Water	08/14/18 07:57	08/23/18 19:45
4616830003	1-Kitchen-KF-12	Drinking Water	08/14/18 07:58	08/23/18 19:45
4616830004	1-Kitchen-KF-13	Drinking Water	08/14/18 07:59	08/23/18 19:45
4616830005	1-Kitchen-KF-15	Drinking Water	08/14/18 08:01	08/23/18 19:45
4616830006	1-Kitchen-KF-16	Drinking Water	08/14/18 08:02	08/23/18 19:45
4616830007	1-Kitchen-KF-17	Drinking Water	08/14/18 08:03	08/23/18 19:45
4616830008	1-Kitchen-DWF-19	Drinking Water	08/14/18 08:04	08/23/18 19:45
4616830009	2-243-KF-20	Drinking Water	08/14/18 08:06	08/23/18 19:45
4616830010	3-Hall@Stair-B-26	Drinking Water	08/14/18 08:10	08/23/18 19:45
4616830011	3-Hall@Stair-B-27	Drinking Water	08/14/18 08:12	08/23/18 19:45
4616830012	3-Hall@318-DWF-28	Drinking Water	08/14/18 08:13	08/23/18 19:45
4616830013	3-Hall@319-DWF-29	Drinking Water	08/14/18 08:15	08/23/18 19:45
4616830014	2-Hall@216-DWF-32	Drinking Water	08/14/18 08:20	08/23/18 19:45
4616830015	1-Hall@109-B-34	Drinking Water	08/14/18 08:22	08/23/18 19:45
4616830016	1-Hall@134-B-37	Drinking Water	08/14/18 08:27	08/23/18 19:45
4616830017	1-Hall@134-B-38	Drinking Water	08/14/18 08:28	08/23/18 19:45
4616830018	1-Hall@134-B-39	Drinking Water	08/14/18 08:30	08/23/18 19:45
4616830019	2-Hall@260-B-43	Drinking Water	08/14/18 08:35	08/23/18 19:45
4616830020	2-Hall@259-B-45	Drinking Water	08/14/18 08:39	08/23/18 19:45
4616830021	2-Hall@259-B-46	Drinking Water	08/14/18 08:40	08/23/18 19:45
4616830022	3-Hall@336-B-50	Drinking Water	08/14/18 08:46	08/23/18 19:45
4616830023	2-Gym-B-51	Drinking Water	08/14/18 08:49	08/23/18 19:45
4616830024	1-Kitchen-KF-14	Drinking Water	08/14/18 08:00	08/23/18 19:45



SAMPLE ANALYTE COUNT

Project: DW-DIAYW Pace Project No.: 4616830

4616830002 1-Kitchen-KF-11 EPA 200.8 NHAM 2 4616830003 1-Kitchen-KF-12 EPA 200.8 NHAM 2 4616830004 1-Kitchen-KF-13 EPA 200.8 NHAM 2 4616830005 1-Kitchen-KF-15 EPA 200.8 NHAM 2 4616830006 1-Kitchen-KF-16 EPA 200.8 NHAM 2 4616830007 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830008 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830017 1-Hall@1034-B-37 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 <th>Lab ID</th> <th>Sample ID</th> <th>Method</th> <th>Analysts</th> <th>Analytes Reported</th>	Lab ID	Sample ID	Method	Analysts	Analytes Reported
4616830003 1-Kitchen-KF-12 EPA 200.8 NHAM 2 4616830004 1-Kitchen-KF-13 EPA 200.8 NHAM 2 4616830005 1-Kitchen-KF-15 EPA 200.8 NHAM 2 4616830006 1-Kitchen-KF-16 EPA 200.8 NHAM 2 4616830007 1-Kitchen-KF-17 EPA 200.8 NHAM 2 4616830008 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830019 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8	4616830001	2-Hall@Office-DWF-1	EPA 200.8	NHAM	2
4616830004 1-Kitchen-KF-13 EPA 200.8 NHAM 2 4616830005 1-Kitchen-KF-15 EPA 200.8 NHAM 2 4616830006 1-Kitchen-KF-16 EPA 200.8 NHAM 2 4616830007 1-Kitchen-KF-17 EPA 200.8 NHAM 2 4616830008 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830019 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-46 EPA 200.8	4616830002	1-Kitchen-KF-11	EPA 200.8	NHAM	2
4616830005 1-Kitchen-KF-15 EPA 200.8 NHAM 2 4616830006 1-Kitchen-KF-16 EPA 200.8 NHAM 2 4616830007 1-Kitchen-KF-17 EPA 200.8 NHAM 2 4616830008 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830010 2-243-KF-20 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830012 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830013 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830019 2-Hall@259-B-43 EPA 200.8 NHAM 2 4616830019 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830022 3-Hall@259-B-46 EPA 200.8	4616830003	1-Kitchen-KF-12	EPA 200.8	NHAM	2
4616830006 1-Kitchen-KF-16 EPA 200.8 NHAM 2 4616830007 1-Kitchen-KF-17 EPA 200.8 NHAM 2 4616830008 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830009 2-243-KF-20 EPA 200.8 NHAM 2 4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@103-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@259-B-45 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8	4616830004	1-Kitchen-KF-13	EPA 200.8	NHAM	2
4616830007 1-Kitchen-KF-17 EPA 200.8 NHAM 2 4616830008 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830009 2-243-KF-20 EPA 200.8 NHAM 2 4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@336-B-50 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8	4616830005	1-Kitchen-KF-15	EPA 200.8	NHAM	2
4616830008 1-Kitchen-DWF-19 EPA 200.8 NHAM 2 4616830009 2-243-KF-20 EPA 200.8 NHAM 2 4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@336-B-50 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 <td< td=""><td>4616830006</td><td>1-Kitchen-KF-16</td><td>EPA 200.8</td><td>NHAM</td><td>2</td></td<>	4616830006	1-Kitchen-KF-16	EPA 200.8	NHAM	2
4616830009 2-243-KF-20 EPA 200.8 NHAM 2 4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@260-B-43 EPA 200.8 NHAM 2 4616830019 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830007	1-Kitchen-KF-17	EPA 200.8	NHAM	2
4616830010 3-Hall@Stair-B-26 EPA 200.8 NHAM 2 4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830008	1-Kitchen-DWF-19	EPA 200.8	NHAM	2
4616830011 3-Hall@Stair-B-27 EPA 200.8 NHAM 2 4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@260-B-43 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830009	2-243-KF-20	EPA 200.8	NHAM	2
4616830012 3-Hall@318-DWF-28 EPA 200.8 NHAM 2 4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830010	3-Hall@Stair-B-26	EPA 200.8	NHAM	2
4616830013 3-Hall@319-DWF-29 EPA 200.8 NHAM 2 4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830011	3-Hall@Stair-B-27	EPA 200.8	NHAM	2
4616830014 2-Hall@216-DWF-32 EPA 200.8 NHAM 2 4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830012	3-Hall@318-DWF-28	EPA 200.8	NHAM	2
4616830015 1-Hall@109-B-34 EPA 200.8 NHAM 2 4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-66 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830013	3-Hall@319-DWF-29	EPA 200.8	NHAM	2
4616830016 1-Hall@134-B-37 EPA 200.8 NHAM 2 4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830014	2-Hall@216-DWF-32	EPA 200.8	NHAM	2
4616830017 1-Hall@134-B-38 EPA 200.8 NHAM 2 4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830015	1-Hall@109-B-34	EPA 200.8	NHAM	2
4616830018 1-Hall@134-B-39 EPA 200.8 NHAM 2 4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830016	1-Hall@134-B-37	EPA 200.8	NHAM	2
4616830019 2-Hall@260-B-43 EPA 200.8 NHAM 2 4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830017	1-Hall@134-B-38	EPA 200.8	NHAM	2
4616830020 2-Hall@259-B-45 EPA 200.8 NHAM 2 4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830018	1-Hall@134-B-39	EPA 200.8	NHAM	2
4616830021 2-Hall@259-B-46 EPA 200.8 NHAM 2 4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830019	2-Hall@260-B-43	EPA 200.8	NHAM	2
4616830022 3-Hall@336-B-50 EPA 200.8 NHAM 2 4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830020	2-Hall@259-B-45	EPA 200.8	NHAM	2
4616830023 2-Gym-B-51 EPA 200.8 NHAM 2	4616830021	2-Hall@259-B-46	EPA 200.8	NHAM	2
	4616830022	3-Hall@336-B-50	EPA 200.8	NHAM	2
4616830024 1-Kitchen-KF-14 EPA 200.8 NHAM 2	4616830023	2-Gym-B-51	EPA 200.8	NHAM	2
	4616830024	1-Kitchen-KF-14	EPA 200.8	NHAM	2



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 2-Hall@Office-DWF-1	Lab ID: 4616830001		Collecte	Collected: 08/14/18 07:47		Received: 08/23/18 19:45 Matrix: Drinking Wa			Water
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	131	ug/L	1.0	1300	1		09/05/18 13:42	7440-50-8	
Lead	1.5	ug/L	1.0	15	1		09/05/18 13:42	7439-92-1	



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Kitchen-KF-11	Lab ID: 4616830002		Collecte	Collected: 08/14/18 07:57		Received: 08	/23/18 19:45 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	171	ug/L	1.0	1300	1		09/05/18 13:43	7440-50-8	
Lead	4.1	ug/L	1.0	15	1		09/05/18 13:43	7439-92-1	



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Kitchen-KF-12	-Kitchen-KF-12 Lab ID: 4616830003		Collected: 08/14/18 07:58			Received: 08/23/18 19:45 Matrix: Drinking Water			Vater
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	D.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8								
Copper Lead	923 42.7	ug/L ug/L	10.0 1.0	1300 15	10 1		09/05/18 15:15 09/05/18 13:44		



Project: DW-DIAYW Pace Project No.: 4616830

Date: 09/06/2018 11:18 AM

Sample: 1-Kitchen-KF-13	Lab ID:	Collecte	Collected: 08/14/18 07:59			Received: 08/23/18 19:45 Matrix			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper Lead	330 1.8	ug/L ug/L	5.0 1.0	1300 15	5 1		09/05/18 15:16 09/05/18 13:49		



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Kitchen-KF-15	Lab ID:	4616830005	Collecte	Collected: 08/14/18 08:01			1 Received: 08/23/18 19:45 Matrix: Drinkii		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper Lead	206 96.0	ug/L ug/L	5.0 5.0	1300 15	5 5		09/05/18 15:17 09/05/18 15:17		



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Kitchen-KF-16	Lab ID:	4616830006	Collecte	Collected: 08/14/18 08:02			Received: 08/23/18 19:45 Matrix: Drinking			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8							
Copper	138	ug/L	1.0	1300	1		09/05/18 13:54	7440-50-8		
Lead	7.5	ug/L	1.0	15	1		09/05/18 13:54	7439-92-1		



Project: DW-DIAYW
Pace Project No.: 4616830

ample: 1-Kitchen-KF-17	Lab ID: 4616830007		Collecte	Collected: 08/14/18 08:03			3/23/18 19:45 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
00.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	111	ug/L	1.0	1300	1		09/05/18 13:55		
ead	<1.0	ug/L	1.0	15	1		09/05/18 13:55	7439-92-1	l



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Kitchen-DWF-19	Lab ID:	4616830008	Collecte	d: 08/14/18	8 08:04	Received: 08	/23/18 19:45 N	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	924	ug/L	50.0	1300	50		09/05/18 15:24	7440-50-8	
Lead	7.8	ug/L	1.0	15	1		09/05/18 13:56	7439-92-1	



Project: DW-DIAYW
Pace Project No.: 4616830

Sample: 2-243-KF-20	Lab ID:	4616830009	Collecte	Collected: 08/14/18 08:06			/23/18 19:45 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	579	ug/L	10.0	1300	10		09/05/18 15:25	7440-50-8	
Lead	12.3	ug/L	1.0	15	1		09/05/18 13:57	7439-92-1	



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 3-Hall@Stair-B-26	Lab ID:	4616830010	Collecte	Collected: 08/14/18 08:10			/23/18 19:45 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper Lead	7.0 1.0	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 13:58 09/05/18 13:58		



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 3-Hall@Stair-B-27	Lab ID:	4616830011	Collecte	Collected: 08/14/18 08:12			3/23/18 19:45 Ma	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	9.1	ug/L	1.0	1300	1		09/05/18 14:02	7440-50-8	
Lead	11.3	ug/L	1.0	15	1		09/05/18 14:02	7439-92-1	



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 3-Hall@318-DWF-28	Lab ID: 4616830012		Collecte	Collected: 08/14/18 08:13			/23/18 19:45 M	Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	25.5	ug/L	1.0	1300	1		09/05/18 14:03	7440-50-8	
Lead	3.1	ug/L	1.0	15	1		09/05/18 14:03	7439-92-1	



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 3-Hall@319-DWF-29	Lab ID:	4616830013	Collected: 08/14/18 08:15			5 Received: 08/23/18 19:45 Matrix: Drink			ing Water
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper Lead	55.2 6.1	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 14:04 09/05/18 14:04		



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 2-Hall@216-DWF-32	Lab ID:	4616830014	Collected: 08/14/18 08:20			Received: 08	3/23/18 19:45 Ma	Matrix: Drinking Water		
Parameters	Results	Report Reg. Results Units Limit DF F		Prepared	Analyzed	CAS No.	Qual			
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8							
Copper Lead	84.4 2.3	ug/L ug/L	1.0 1.0	1300 15	1		09/05/18 14:05 09/05/18 14:05			



Project: DW-DIAYW
Pace Project No.: 4616830

Sample: 1-Hall@109-B-34	Lab ID:	4616830015	Collecte	d: 08/14/18	8 08:22	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	ng Water
Parameters	Results Units		Report Limit	-1		Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	7.9	ug/L	1.0	1300	1		09/05/18 14:08	7440-50-8	
Lead	5.1	ug/L	1.0	15	1		09/05/18 14:08	7439-92-1	



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Hall@134-B-37	Lab ID:	4616830016	Collecte	d: 08/14/18	3 08:27	Received: 08/	/23/18 19:45 Ma	atrix: Drinking \	Vater
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper Lead	196 15.2	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 14:15 09/05/18 14:15		



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Hall@134-B-38	Lab ID:	4616830017	Collecte	d: 08/14/18	8 08:28	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	Nater
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper Lead	145 17.5	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 14:16 09/05/18 14:16		



Project: DW-DIAYW Pace Project No.: 4616830

Date: 09/06/2018 11:18 AM

Sample: 1-Hall@134-B-39	Lab ID:	4616830018	Collecte	d: 08/14/18	3 08:30	Received: 08	/23/18 19:45 Ma	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8							
Copper	81.6	ug/L	1.0	1300	1		09/05/18 14:17	7440-50-8		
Lead	7.2	ug/L	1.0	15	1		09/05/18 14:17	7439-92-1		

REPORT OF LABORATORY ANALYSIS



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 2-Hall@260-B-43	Lab ID:	4616830019	Collecte	d: 08/14/18	3 08:35	Received: 08	/23/18 19:45 M	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8							
Copper	721	ug/L	10.0	1300	10		09/05/18 15:27	7440-50-8		
Lead	93.7	ug/L	1.0	15	1		09/05/18 14:18	7439-92-1		



Project: DW-DIAYW
Pace Project No.: 4616830

Sample: 2-Hall@259-B-45	I ah ID:	4616830020	Collected: 08/14/18 08:39			Received: 08	/23/18 19·45 Ma	Matrix: Drinking Water		
Parameters	Results Units		Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	– ————————————————————————————————————				_			
Copper	382	ug/L	5.0	1300	5		09/05/18 15:28	7440-50-8		
Lead	19.0	ug/L	1.0	15	1		09/05/18 14:19	7439-92-1		



Project: DW-DIAYW
Pace Project No.: 4616830

Sample: 2-Hall@259-B-46	I ah ID:	4616830021	Collecte	Collected: 08/14/18 08:40			/23/18 10·45 Ms	Matrix: Drinking Water		
Cample: Z-Han @200-40	Lab ID.	7010030021	Report	Reg.	00.40	Noccived. 00	720/10 13.40 IVI	atiin. Dillikilig	vvaici	
Parameters	Results	Units	Limit	Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8							
Copper	510	ug/L	5.0	1300	5		09/05/18 15:29	7440-50-8		
Lead	18.9	ug/L	1.0	15	1		09/05/18 14:20	7439-92-1		



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 3-Hall@336-B-50	Lab ID:	4616830022	Collecte	d: 08/14/18	3 08:46	Received: 08	3/23/18 19:45 Ma	Matrix: Drinking Water		
Parameters	Report Reg. Results Units Limit DF		Prepared	Analyzed	CAS No.	Qual				
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8							
Copper Lead	82.8 6.3	ug/L ug/L	1.0 1.0	1300 15	1		09/05/18 14:21 09/05/18 14:21			



Project: DW-DIAYW
Pace Project No.: 4616830

Sample: 2 Cum P F4	l ah ID:	4616830023	Callagta	Collected: 08/14/18 08:49			/22/49 40:4E Ma	strive Drinking	Motor
Sample: 2-Gym-B-51	Lab ID.	4010030023			00.49	Received. 06	/23/10 19.43 IVIA	atrix: Drinking \	vvalei
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8						
Copper	80.2	ug/L	1.0	1300	1		09/05/18 14:22	7440-50-8	
Lead	4.2 ug/L		1.0	15	1		09/05/18 14:22	7439-92-1	



Project: DW-DIAYW Pace Project No.: 4616830

Sample: 1-Kitchen-KF-14	Lab ID:	4616830024	Collected: 08/14/18 08:00			Received: 08	/23/18 19:45 Ma	Matrix: Drinking Water		
Parameters	Results	Report Reg. Results Units Limit DF		Prepared	Analyzed	CAS No.	Qual			
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8							
Copper	245	ug/L	1.0	1300	1		09/05/18 14:23	7440-50-8		
Lead	174	ug/L	5.0	15	5		09/05/18 15:31	7439-92-1		



QUALITY CONTROL DATA

Project: DW-DIAYW Pace Project No.: 4616830

Date: 09/06/2018 11:18 AM

QC Batch: 32427 Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep

Associated Lab Samples: 4616830001, 4616830002, 4616830003, 4616830004, 4616830005, 4616830006, 4616830007, 4616830008,

4616830009, 4616830010, 4616830011, 4616830012, 4616830013, 4616830014

METHOD BLANK: 130834 Matrix: Water

Associated Lab Samples: 4616830001, 4616830002, 4616830003, 4616830004, 4616830005, 4616830006, 4616830007, 4616830008,

4616830009, 4616830010, 4616830011, 4616830012, 4616830013, 4616830014

Reporting

Blank

Parameter	Units	Result	t	Limit	Analyz	red	Qualifiers			
Copper Lead	ug/L ug/L		<1.0 <1.0	1.0 1.0				_		
LABORATORY CONTROL SAMPLE:	130835	Calle	1.00		1.00	0/ Day				
Parameter	Units	Spike Conc.	LCS Resu		LCS % Rec	% Red Limits		ualifiers		
Copper	ug/L			21.7	108	85	 5-115		-	
Lead	ug/L	20		22.0	110	85	5-115			
MATRIX SPIKE & MATRIX SPIKE DU	PLICATE: 13083	36		130837						
		MS	MSD							
	4616822012	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max
Parameter Ur	nits Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD
Copper uç	g/L 170	20	20	192	192	107	106	70-130	0	20
Lead ug	g/L 33.2	20	20	54.5	55.1	107	109	70-130	1	20

MATRIX SPIKE & MATRIX SP	IKE DUPLIC	ATE: 13083	9		130840							
Parameter	Units	4616830005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper Lead	ug/L ug/L	206 96.0	100 100	100 100	324 204	324 207	119 108	118 111	70-130 70-130	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Qual



QUALITY CONTROL DATA

Project: DW-DIAYW Pace Project No.: 4616830

Lead

Date: 09/06/2018 11:18 AM

QC Batch: 32428 Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8 Analysis Description: ICPMS Metals, No Prep

<1.0

ug/L

20

Associated Lab Samples: 4616830015, 4616830016, 4616830017, 4616830018, 4616830019, 4616830020, 4616830021, 4616830022,

4616830023, 4616830024

METHOD BLANK: 130848 Matrix: Water

Associated Lab Samples: 4616830015, 4616830016, 4616830017, 4616830018, 4616830019, 4616830020, 4616830021, 4616830022,

4616830023, 4616830024

		Blank	Reporting		
Parameter	Units	Result	Limit	Analyzed	Qualifiers
Copper	ug/L	<1.0	1.0	09/05/18 14:06	
Lead	ug/L	<1.0	1.0	09/05/18 14:06	

LABORATORY CO	NTROL SAMPLE: 1	30849										
			Spike	LCS		LCS	% Rec					
Para	meter	Units	Conc.	Resu	ult %	% Rec	Limits	Qι	Qualifiers			
Copper		ug/L	20		21.2	106	85	-115				
Lead		ug/L	20		21.5	107	85-115					
MATRIX SPIKE & N	MATRIX SPIKE DUPLI	CATE: 13085	0		130851							
			MS	MSD								
		4616830015	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Paramet	er Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
		7.9	20	20	28.8	29.3	104	107	70-130	2	20	
Copper	ug/L	1.0			_0.0							
Copper Lead	ug/L ug/L	5.1	20	20	27.0	26.9	109	109	70-130		20	
Lead	ug/L	5.1	20	-			-				20	
Lead	•	5.1	20	-	27.0		-				20	
Lead	ug/L	5.1	20	20	27.0		-				20 Max	
Lead	ug/L MATRIX SPIKE DUPLI	5.1 CATE: 13085	20 3 MS	20 MSD	27.0	26.9	109	109	70-130			Qual

20

22.2

22.5

107

108

70-130

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

20



QUALIFIERS

Project: DW-DIAYW Pace Project No.: 4616830

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

Date: 09/06/2018 11:18 AM

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DW-DIAYW Pace Project No.: 4616830

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4616830001	2-Hall@Office-DWF-1	EPA 200.8	32427	_	
4616830002	1-Kitchen-KF-11	EPA 200.8	32427		
4616830003	1-Kitchen-KF-12	EPA 200.8	32427		
4616830004	1-Kitchen-KF-13	EPA 200.8	32427		
4616830005	1-Kitchen-KF-15	EPA 200.8	32427		
4616830006	1-Kitchen-KF-16	EPA 200.8	32427		
4616830007	1-Kitchen-KF-17	EPA 200.8	32427		
4616830008	1-Kitchen-DWF-19	EPA 200.8	32427		
4616830009	2-243-KF-20	EPA 200.8	32427		
1616830010	3-Hall@Stair-B-26	EPA 200.8	32427		
1616830011	3-Hall@Stair-B-27	EPA 200.8	32427		
4616830012	3-Hall@318-DWF-28	EPA 200.8	32427		
4616830013	3-Hall@319-DWF-29	EPA 200.8	32427		
4616830014	2-Hall@216-DWF-32	EPA 200.8	32427		
1616830015	1-Hall@109-B-34	EPA 200.8	32428		
4616830016	1-Hall@134-B-37	EPA 200.8	32428		
4616830017	1-Hall@134-B-38	EPA 200.8	32428		
4616830018	1-Hall@134-B-39	EPA 200.8	32428		
4616830019	2-Hall@260-B-43	EPA 200.8	32428		
4616830020	2-Hall@259-B-45	EPA 200.8	32428		
4616830021	2-Hall@259-B-46	EPA 200.8	32428		
4616830022	3-Hall@336-B-50	EPA 200.8	32428		
4616830023	2-Gym-B-51	EPA 200.8	32428		
1616830024	1-Kitchen-KF-14	EPA 200.8	32428		

WO#:4616830

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document /988

SAMPLE CONDITIONS 5 Regulatory Agency State / Location Received on Residual Chlorine (Y/N) TIME Requested Analysis Filtered (Y/N) DATE ACCEPTED BY / AFFILIATION Lead & Copper N/A Analyses Test Pace Profile #: Profile 236 - Line 2 Will Cole Methanol Preservatives Na2S2O3 HOBN Pace Project Manager: HCI Section C Invoice Information: Company Name: EONH Pace Quote: +SSO4 Address: Unpreserved TIME # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION PRINT Name of SAMPLER: DATE TIME END DATE COLLECTED RELINQUISHED BY / AFFILIATION Lead & Copper Testing TIME 7:57 START 8/14/18 8:02 8/14/18 8:06 8/14/18 8:03 8/14/18 8:04 8/14/18 8:10 8/14/18 8:01 Report To: Robert Smith DATE 8/14/18 8/14/18 8/14/18 8/14/18 (G=GRAB C=COMP) SAMPLE TYPE DW G DW G DW G DW G DW G DW G DWG DW G DWG DW G) eme urchase Order #: MATRIX CODE (see valid codes to left) Project Name: Copy To: CODE DW WY SP. WW OP. OP. TS Project #. MATRIX
Drinking Water
Waste Water
Waste Water
Product
Soil/Soild
Oil
Wipe
Air
Other
Tissue Fax: 248-669-5147 46555 Humboldt Drive, Suite 100 One Character per box.
(A-Z, 0-9 /, -)
Sample Ids must be unique ADDITIONAL COMMENTS SAMPLE ID Sompany: ATC Group Services LLC Email: robert.smith@atcgs.com 2-Hall@Office-DWF-1 Required Client Information: 248-669-5140 -Kitchen-DWF-19 3-Hall@Stair-B-26 -Kitchen-KF-12 -Kitchen-KF-13 -Kitchen-KF-15 -Kitchen-KF-16 -Kitchen-KF-11 -Kitchen-KF-17 #2 Not Used #3 Not Used Requested Due Date 2-243-KF-20 Novi, MI 48377 Page 33 of 38 Address: 12 # MaTI 7 10 3 2 =

(N/A) ntact

(N/A)

belsed

Custody (N/A)

TEMP in C

Dominique Greer
DATE Signed:

SIGNATURE of SAMPLER:

8/14/2018

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document /9889

(N/A) Samples SAMPLE CONDITIONS Cooler (Y/N) ŏ paleas Regulatory Agency Custody State / Location (N/A) Received on Residual Chlorine (Y/N) TEMP in C TIME Requested Analysis Filtered (Y/N) DATE Dominique Greer
DATE Signed: ACCEPTED BY / AFFILIATION ead & Copper N/A Analyses Test Will Cole Pace Profile #: Profile 236 - Line 2 Methanol Preservatives Na2S2O3 HOBN Pace Project Manager: HCI Invoice Information: HMO3 Company Name: Pace Quote: DOSZH Address: Jupreserved TIME OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: PRINT Name of SAMPLER: DATE TIME END DATE COLLECTED Lead & Copper Testing RELINQUISHED BY / AFFILIATION DIAYW 8:13 8:15 START 8:20 8:22 8:27 8/14/18 8:28 8/14/18 8:30 8/14/18 8:35 8/14/18 8:39 Required Project Information: DATE 8/14/18 8/14/18 8/14/18 8/14/18 8/14/18 8/14/18 Report To: Robert Smith (G=GRAB C=COMP) home DW G DWG DWG DWG DWG DWG DWG DWG DWG Purchase Order #: (see valid codes to left) MATRIX CODE Project Name: Section B Copy To: Project #. CODE WY WY WW WP WP AR OIL MATRIX
Drinking Water
Waste Water
Waste Water
Product
Solifsolid
Oil
Wipe
Air
Other
Tissue Fax: 248-669-5147 46555 Humboldt Drive, Suite 100 One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique ADDITIONAL COMMENTS SAMPLE ID ATC Group Services LLC mail: robert.smith@atcgs.com Required Client Information: 248-669-5140 3-Hall@318-DWF-28 3-Hall@319-DWF-29 2-Hall@216-DWF-32 3-Hall@Stair-B-27 1-Hall@109-B-34 1-Hall@134-B-38 1-Hall@134-B-39 2-Hall@260-B-43 2-Hall@259-B-45 1-Hall@134-B-37 #16 Not Used #18 Not Used Requested Due Date Novi, MI 48377 Company: Page 34 of 38 Address: 15 20 23 24 14 16 11 13 18 19 21 # MHTI 22

90

8/14/2018

MOHAIN 835 Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document / 989C

(N/A) Intact Samples SAMPLE CONDITIONS (N/A ŏ Cooler Regulatory Agency State / Location Custody (N/A) Received on Residual Chlorine (Y/N) TEMP in C TIME Requested Analysis Filtered (Y/N) DATE Dominique Greer
DATE Signed: ACCEPTED BY / AFFILIATION Lead & Copper Analyses Test N/A Pace Profile #. Profile 236 - Line 2 Will Cole Methanol Preservatives Na2S203 HOBN Pace Project Manager. нсі Section C Invoice Information: EONH Company Name Pace Quote: +SSO4 Attention: Address: TIME Unpreserved SHEWATHON TO HOUSE SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: PRINT Name of SAMPLER: DATE TIME END DATE OC COLLECTED Lead & Copper Testing RELINQUISHED BY / AFFILIATION DIAYW TIME START 8/14/18 8:40 8/14/18 8:46 8/14/18 8:49 8:00 DATE Required Project Information: 8/14/18 Report To: Robert Smith 1)nm (G=GRAB C=COMP) SAMPLE TYPE DWG DWG DWG Purchase Order #. (see valid codes to left) MATRIX CODE Project Name: Section B Copy To: Project #. MATRIX
Drinking Water
Waster
Waster
Waster
Product
SolutSolid
Oil
Wipe
Ant
Tassue Fax 248-669-5147 46555 Humboldt Drive, Suite 100 (A-Z, 0-9 / , -) Sample Ids must be unique ADDITIONAL COMMENTS One Character per box. SAMPLE ID ATC Group Services LLC robert.smith@atcgs.com Required Client Information: 248-669-5140 2-Hall@259-B-46 3-Hall@336-B-50 1-Kitchen-KF-14 #28 Not Used Requested Due Date: 2-Gym-B-51 Novi, MI 48377 Company: Page 35 of 38 Address: -mail: hone: 28 56 27 25 29 # MHI

8/14/2018

	SAMPLE RECEIVIN	G / LOG-IN CHECKLI	ST
9	Client	Work Order # 4 1	1111830
Place Analytics	Receipt Record Page/Line # / (C)	1	214050
Pace Analytica	a//_	6	
Recorded by (initials/date)	Cooler Qty Rec	eived IR Gun (#202)	
DN 8-24-18	DOX BOX	Thermometer Used Digital Thermon	meter (#54)
	Other	☐ IR Gun (#402)	
000ler # 1006/257	Cooler # Time	Cooler # Time	Cooler# Time
Custody Seals:	Custody Seals:	Custody Seals:	Custody Seals:
None	None	□ None	None
Present / Intact	Present / Intact	□ Present / Intact	□ Present / Intact
Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact	Present / Not Intact
Coolant Type:	Coolant Type:	Coolant Type:	Coolant Type:
Loose Ice	Loose Ice	□ Loose Ice	Loose Ice
☐ Bagged Ice	☐ Bagged Ice	☐ Bagged Ice	☐ Bagged Ice
Blue Ice	☐ Blue Ice	☐ Blue Ice	☐ Blue Ice
None Content I neather	None	□ None	☐ None
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location:	Coolant Location:	Coolant Location;
Dispersed / Top / Middle / Bottom Temp Blank Present: ☐ Yes ☐ No	Dispersed / Top / Middle / Botton	- Porton . Top / Wildele / Bottoill	Dispersed / Top / Middle / Bottom
If Present, Temperature Blank Location is:	Temp Blank Present: ☐ Yes ☐ No If Present, Temperature Blank Location is	Temp Blank Present: ☐ Yes ☐ No	Temp Blank Present: ☐ Yes ☐ No
☐ Representative ☐ Not Representative	Representative Not Representative	The state of the s	If Present, Temperature Blank Location is:
Observed Correction °C Factor °C Actual °C	Observed Correction °C Factor °C Actual °C	Observed Correction "C Factor "C Actual *C	Observed Correction Actual *C
Temp Blank:	Temp Blank:	Temp Blank:	C Factor C
Sample 1: 0 24/0	Sample 1:		Temp Blank:
Sample 2: 0 54/5	Sample 2:	Sample 1:	Sample 1;
Sample 3:	Sample 3:	Sample 2:	Sample 2:
When above 6 °C take a	When above 6 °C take a	Sample 3:	Sample 3:
3 Sample Average °C: 34/3	3 Sample Average °C:	When above 6 °C take a	When above 6 °C take a
☐ VOC Trip Blank received?	□ VOC Trip Blank received?	3 Sample Average °C:	3 Sample Average °C:
		□ VOC Trip Blank received?	□ VOC Trip Blank received?
Paperwork Received	y shaded areas checked, comple	ete Sample Receiving Non-Conform	ance
Yes, No		Check Sample Preservation	
Chain of Custody record(s)?	If No, Initiated By	N/A Yes No	
Chain of Custody record(s)? Received for Lab Signed/Date			nk OR average sample temperature, ≥6° C?
USDA Soil Documents?			nal preservation required?
Sampling / Field Forms?			samples collected the same day as receipt? le Preservation Verification Form?
Other		□ Samples chemica	lly preserved correctly?
COC Information Pace COC Other		If "No", add wire to	ag and fill out Non-Conformance Form?
10	0000	Received unprese	erved Terracore kit?
COC ID Numbers: /9898, /	7889	If "Yes" unpreserv Work Order Not Logged In with Sh	ed vials must be frozen
17890		☐ Copies of COC To Lab Areas	ort Hold / Rush
Check COC for Accuracy		Notes	
Yes No ☐ Analysis Requested?			
/			
Sample Date and Time matche	2002		
Sample ID matches COC? Sample Date and Time matche All containers indicated are rec			
Sample Condition Summary	STATE OF THE STATE		
V/A Yes No			
Broken containers/li			
Missing or incomple			
Illegible information		Yes No	
	d? -Pace containers received?	☐ Were all samples logged	
VOC vials have head		□ Were all samples labelled	
Extra sample location	ns?	□ Were samples placed on	scan locations?
□ ✓ Containers not listed		nitial / Date: OW 08	24118 Page 36 of 38

Pace Analytical® AQUEOUS SAMPLE PRESERVATION VERIFICATION Work Order # ___ Completed By (Initials/glate) Receipt Log # COC ID# pH Strip Adjusted by: Reagent or Lot # Date HC739245 Container Type BP3C or AG3O BP1-4S AG2S BP1-4N Total BP1-4N Dissolved Preservative NaOH >12 Other H2SO4 <2 H₂SO₄ <2 HNO₃ <2 HNO₃ <2 pH Received Adjusted Received Adjusted Received Adjusted Received, Adjusted Received Adjusted Received Adjusted COC Line #1 Place a check mark in the Received box if pH is COC Line #2 acceptable. If pH is not COC Line #3 acceptable, document the Received and Adjusted COC Line #4 pH values in the appropriate columns COC Line #5 (project manager will COC Line #6 review all adjustments at work order release). COC Line #7 Never add more than 2x COC Line #8 the default preservation volume (see table below COC Line #9 for default volumes). Complete and attach a COC Line #10 wire tag to all adjusted COC Line #11 samples. A Sample Receiving Non-COC Line #12 Conformance Report Comments: must be completed if a pH adjustment was required. COC ID# Adjusted by:___ Default Container Preservative Size (mL) Date Volume (mL) Container Type BP3C or AG3O BP1-4S AG2S BP1-4N Total BP1-4N Dissolved Preservative NaOH >12 H2SO4 <2 H2SO4 <2 HNO₃ <2 HNO₃ <2 Container NaOH pH Received Adjusted Received Adjusted Received Adjusted Received Adjusted Received Adjusted Received Adjusted Types 5 / 23 COC Line #1 250 1.3 COC Line #2 Container H₂SO₄ Type 4 COC Line #3 125 0.5 COC Line #4 250 1.0 COC Line #5 500 20 COC Line #6 1000 4.0 COC Line #7 Container H₂SO₄ Type 13 COC Line #8 500 2.5 COC Line #9 Container HNO₃ Types 6 / 15 COC Line #10 125 0.7 COC Line #11 250 1.25 COC Line #12 500 25 Comments: 1000 5.0

Receipt Log #	(é	10	/			Completed	By (initials/da	ate	1 10	1	Work Orde	4	elle82	00	
20015 #	1	19-6	2				DIC	8-25	1-18						
COC ID#	198	190					1	Adjusted	hv:					H Strip ent or Lot#	
								Date:	-,,				0.00		
Container Typ		or AG3O		1-48	100	G2S	BP1-4	N Total	BP1-4N	Dissolved			╢╵──	HC739245	
Preservativ	e NaOH H Received		H ₂ SO ₂	4 <2 Adjusted	H ₂ SC	4 <2 d Adjusted	HNO		HNO					Other	
COC Line #1	110001100	riajusteu	received	Adjusted	Receive	Adjusted	/	Adjusted	Received	d Adjusted	Received	Adjusted		neck mark in th	
COC Line #2							1	,					Received	box if pH is	
COC Line #3						-	1							e. If pH is not e, document th	
COC Line #4							V						Received	and Adjusted	
COC Line #5							/						pH values appropriate	e columns	
COC Line #6						_	V		-				(project ma	anager will	
COC Line #7													work order		
COC Line #8													11.00	more than 2x preservation	
COC Line #8	-												A STATE OF THE PARTY OF THE PAR	e table below	
													for default	volumes). and attach a	
COC Line #10													wire tag to	all adjusted	
COC Line #11													samples. / Receiving		
COC Line #12													Conforman		
OC ID#													pH adjustm required.		
							1	Adjusted by	/·				Container	Default Preservative	
Container Type	BP3C or	AG3O	BP1	-4S	AC	32S	BP1-4N	Date:	BP1-4N [Dissolved			Size (mL)	Volume (mL)	
		7700 an	H ₂ SO ₄		H ₂ SO ₄		HNO ₃	<2	HNO ₃	<2			Container	NeOU	
Preservative				Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Types 5 / 23	NaOH	
Preservative pH	NaOH : Received	Adjusted	Received										050		
Preservative pH COC Line #1		Adjusted	Received										250 Container	1.3	
Preservative pH COC Line #1 COC Line #2		Adjusted	Received										Container Type 4	1.3 H ₂ SO ₄	
Preservative pH COC Line #1 COC Line #2 COC Line #3		Adjusted	Received										Container	20000	
Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4		Adjusted	Received										Container Type 4	H ₂ SO ₄	
Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5		Adjusted	Received										Container Type 4	H ₂ SO ₄	
Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6		Adjusted	Received										Container Type 4 125 250 500 1000	H ₂ SO ₄ 0.5	
Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6 COC Line #7		Adjusted	Received										Container Type 4 125 250 500 1000 Container	H ₂ SO ₄ 0.5 1.0 2.0	
Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6 COC Line #7 COC Line #8		Adjusted	Received										Container Type 4 125 250 500 1000 Container Type 13 500	H ₂ SO ₄ 0.5 1.0 2.0 4.0	
Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6 COC Line #7 COC Line #8		Adjusted	Received										Container Type 4 125 250 500 1000 Container Type 13 500 Container	H ₂ SO ₄ 0.5 1.0 2.0 4.0 H ₂ SO ₄	
Preservative pH 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		Adjusted	Received										Container Type 4 125 250 500 1000 Container Type 13 500	H ₂ SO ₄ 0.5 1.0 2.0 4.0 H ₂ SO ₄ 2.5 HNO ₃	
Preservative pH 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 #8 COC Line #9 COC Line #10		Adjusted	Received										Container Type 4 125 250 500 1000 Container Type 13 500 Container Types 6 / 15	H ₂ SO ₄ 0.5 1.0 2.0 4.0 H ₂ SO ₄ 2.5 HNO ₃	
Preservative pH COC Line #1		Adjusted	Received										Container Type 4 125 250 500 1000 Container Type 13 500 Container Types 6 / 15 125	H ₂ SO ₄ 0.5 1.0 2.0 4.0 H ₂ SO ₄ 2.5 HNO ₃	