



September 12, 2018

Mathew Sam
Detroit Public Schools
1601 Farnsworth
Detroit, Michigan 48202

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

**SUBJECT:** Drinking Water Screening Report

Cody High School 18445 Cathedral Street 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 eighteen (18) of the samples analyzed were above the EPA recommended limits of 15 micrograms per liter (ug/L) for lead. Additionally, two (2) 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)

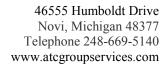
Sample Number	Location	Description	Total Lead (ug/l)	Total Copper (ug/l)
1-Kitchen-KF-1	Kitchen (wall next to sprayer)	Kitchen Faucet (dish washing)	<1.0 ug/L	100 ug/L
1-Kitchen-KF-3	Kitchen (along wall)	Kitchen Faucet (dish washing) - Left	1.6 ug/L	160 ug/L
1-Kitchen-KF-4	Kitchen (along wall)	Kitchen Faucet (dish washing) - Right	3.1 ug/L	159 ug/L
2-Hall@254-DWF-9	Hall across from room 254	Drinking Water Fountain - Left Fixture	8.7 ug/L	338 ug/L
2-Hall@Clock-B-11	Hall near the center of the hallway, near clock	Bubbler - Left Fixture 37.4 ug/L 5.1		5.1 ug/L
2-Hall@Clock-B-12	Hall near the center of the hallway, near clock	Bubbler - Right Fixture	14.7 ug/L	3.8 ug/L
2-Hall@243-DWF-13	Hall to the left of room 243	Drinking Water Fountain - Left Fixture	4.2 ug/L	97.8 ug/L
2-Hall@243-DWF-14	Hall to the left of room 243	Drinking Water Fountain - Right Fixture	22.7 ug/L	25.6 ug/L
2-Hall@219-B-15	Hall across from room 219	Bubbler - Left Fixture	48.9 ug/L	350 ug/L



Sample Number	Location	Description	Total Lead (ug/l)	Total Copper (ug/l)
2-Hall@219-B-16	Hall across from room 219	Bubbler - Right Fixture	24.0 ug/L	357 ug/L
2-Hall@206B-B-17	Hall to the right of room 206B	Bubbler - Left Fixture	47.5 ug/L	1080 ug/L
2-Hall@206B-B-18	Hall to the right of room 206B	Bubbler - Right Fixture	144 ug/L	763 ug/L
2-Hall@210-B-19	Hall to the right of room 210	Bubbler - Left Fixture	5.7 ug/L	297 ug/L
2-Hall@210-B-20	Hall to the right of room 210	Bubbler - Right Fixture	7.6 ug/L	52.8 ug/L
2-Hall@216A-B-23	Hall across from room 216A	Bubbler	6.7 ug/L	110 ug/L
2-Hall@216A-DWF-24	Hall across from room 216A	Drinking Water Fountain	2.8 ug/L	140 ug/L
3-Hall@306A-B-25	Hall to the right of room 306A (fan room)	Bubbler - Left Fixture	81.7 ug/L	481 ug/L
3-Hall@306A-B-26	Hall to the right of room 306A (fan room)	Bubbler - Right Fixture	20.5 ug/L	219 ug/L
3-Hall@310-B-27	Hall across from room 310	Bubbler - Left Fixture	12.6 ug/L	188 ug/L
3-Hall@310-B-28	Hall across from room 310	Bubbler - Right Fixture	10.2 ug/L	126 ug/L
3-Hall@316B-DWF-29	Hall to the right of room 316B	Drinking Water Fountain - Left Fixture	2.0 ug/L	804 ug/L
3-Hall@316B-DWF-30	Hall to the right of room 316B	Drinking Water Fountain - Right Fixture	6.6 ug/L	228 ug/L
3-Hall@328-DWF-31	Hall across from room 328	Drinking Water Fountain	2.7 ug/L	830 ug/L
3-Hall@303-B-33	Hall across from room 303	Bubbler - Left Fixture	2.2 ug/L	245 ug/L



Sample Number	Location	Description	Total Lead (ug/l)	Total Copper (ug/l)
3-Hall@303-B-34	Hall across from room 303	Bubbler - Right Fixture	<1.0 ug/L	311 ug/L
1-Hall@110-B-37	Hall across from room 110	Bubbler - Left Fixture	138 ug/L	2460 ug/L
1-Hall@110-B-38	Hall across from room 110	Bubbler - Right Fixture	131 ug/L	4090 ug/L
1-Hall@140-B-39	Hall to the left of room 140	Bubbler - Left Fixture	28.3 ug/L	8.7 ug/L
1-Hall@140-B-40	Hall to the left of room 140	Bubbler - Right Fixture	20.8 ug/L	45.5 ug/L
1-Hall@146-B-41	Hall across from room 146	Bubbler - Left Fixture	12.7 ug/L	72.1 ug/L
1-Hall@146-B-42	Hall across from room 146	Bubbler - Right Fixture	25.8 ug/L	63.5 ug/L
1-Hall@149-DWF-43	Hall across from room 149	Drinking Water Fountain - Left Fixture	1.6 ug/L	53.6 ug/L
1-Hall@149-DWF-44	Hall across from room 149	Drinking Water Fountain - Right Fixture	89.6 ug/L	80.4 ug/L
1-Hall@103-DWF-45	Hall across from room 103	Drinking Water Fountain	1.8 ug/L	89.9 ug/L
1-Hall@103-B-46	Hall across from room 103	Bubbler	74.0 ug/L	629 ug/L
1-Hall@118-B-53	Hall to the left of room 118	Bubbler - Left Fixture	1.3 ug/L	54.5 ug/L
1-Hall@118-B-54	Hall to the left of room 118	Bubbler - Right Fixture	1.6 ug/L	104 ug/L
2-Gym-B-5	Gym Hall (east hall)	Bubbler - Left Fixture	2.1 ug/L	250 ug/L
2-Gym-B-6	Gym Hall (east hall)	Bubbler - Right Fixture	3.2 ug/L	185 ug/L





Sample Number	Location	Description	Total Lead (ug/l)	Total Copper (ug/l)
2-Gym-B-7	Gym Hall (west hall)	Bubbler - Left Fixture	76.1 ug/L	348 ug/L
2-Gym-B-8	Gym Hall (west hall)	Bubbler - Right Fixture	39.9 ug/L	521 ug/L
1-Hall@153-DWF-49	Hall across from room 110	Drinking Water Fountain	1.3 ug/L	261 ug/L
1-Hall@153-B-50	Hall across from room	Bubbler	83.8 ug/L	59.8 ug/L

Key: NA - Not Analyzed

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

Analysis of samples of the left bubbler on 2nd floor in hall near clock, right drinking water fountain nea room 243, both bubblers near room 219 (2), both bubblers near room 206 (2), both bubblers near room 306 (2), both bubblers near room 110 (2), both bubblers near room 140 (2), right bubbler near room 146, right bubbler near room 149, right bubbler near room 103, bubblers in gym (2) and right bubbler near room 153 indicate that lead levels were above the MCL. Additionally, analysis of samples of the bubblers near room 110 (2) 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:

- 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.



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

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. Liniz

### Attachments

Attachment A: Fixture Inventory Locations Map/Form

Attachment B: Fixture Inventory Photo Log Attachment C: Laboratory Analytical Report School Name: Cody High School

Address 18445 Cathedral Street, Detroit, MI 48228

Fixture Identification	Fixture Location	Fixture Description	Photo #
1-Kitchen-KF-1	Kitchen (wall next to sprayer)	Kitchen Faucet (dish washing)	1
1-Kitchen-KF-2	Kitchen (center island)	Kitchen Faucet (hand washing)	2
1-Kitchen-KF-3	Kitchen (along wall)	Kitchen Faucet (dish washing) - Left	3
1-Kitchen-KF-4	Kitchen (along wall)	Kitchen Faucet (dish washing) - Right	
2-Gym-B-5	Gym Hall (east hall)	Bubbler - Left Fixture	5
2-Gym-B-6	Gym Hall (east hall)	Bubbler - Right Fixture	(
2-Gym-B-7	Gym Hall (west hall)	Bubbler - Left Fixture	7
2-Gym-B-8	Gym Hall (west hall)	Bubbler - Right Fixture	8
2-Hall@254-DWF-9	Hall across from room 254	Drinking Water Fountain - Left Fixture	Ç
2-Hall@254-DWF-10	Hall across from room 254	Drinking Water Fountain - Right Fixture Not Working	10
2-Hall@Clock-B-11	Hall near the center of the hallway, near clock	Bubbler - Left Fixture	11
2-Hall@Clock-B-12	Hall near the center of the hallway, near clock	Bubbler - Right Fixture	12

School Name:

Cody High School

Address

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Fixture Identification	Fixture Location	Fixture Description	Photo #
2-Hall@243-DWF-13	Hall to the left of room 243	Drinking Water Fountain - Left Fixture	13
2-Hall@243-DWF-14	Hall to the left of room 243	Drinking Water Fountain - Right Fixture	14
2-Hall@219-B-15	Hall across from room 219	Bubbler - Left Fixture	15
2-Hall@219-B-16	Hall across from room 219	Bubbler - Right Fixture	16
2-Hall@206B-B-17	Hall to the right of room 206B	Bubbler - Left Fixture	17
2-Hall@206B-B-18	Hall to the right of room 206B	Bubbler - Right Fixture	18
2-Hall@210-B-19	Hall to the right of room 210	Bubbler - Left Fixture	19
2-Hall@210-B-20	Hall to the right of room 210	Bubbler - Right Fixture	20
2-Hall@228-B-21	Hall across from room 228	Bubbler - Left Fixture Not Working	21
2-Hall@228-B-22	Hall across from room 228	Bubbler - Right Fixture- Not Working	22
2-Hall@216A-B-23	Hall across from room 216A	Bubbler	23
2-Hall@216A-DWF-24	Hall across from room 216A	Drinking Water Fountain	24

School Name:

Cody High School

Address

18445 Cathedral Street, Detroit, MI 48228

Fixture Identification	Fixture Location	Fixture Description	Photo #
3-Hall@306A-B-25	Hall to the right of room 306A (fan room)	Bubbler - Left Fixture	25
3-Hall@306A-B-26	Hall to the right of room 306A (fan room)	Bubbler - Right Fixture	26
3-Hall@310-B-27	Hall across from room 310	Bubbler - Left Fixture	27
3-Hall@310-B-28	Hall across from room 310	Bubbler - Right Fixture	28
3-Hall@316B-DWF-29	Hall to the right of room 316B	Drinking Water Fountain - Left Fixture	29
3-Hall@316B-DWF-30	Hall to the right of room 316B	Drinking Water Fountain - Right Fixture	30
3-Hall@328-DWF-31	Hall across from room 328	Drinking Water Fountain	31
3-Hall@328-B-32	Hall across from room 328	Bubbler- Not Working	32
3-Hall@303-B-33	Hall across from room 303	Bubbler - Left Fixture	33
3-Hall@303-B-34	Hall across from room 303	Bubbler - Right Fixture	34
1-Café-DWF-35	Cafeteria across from serving area	Drinking Water Fountain- Not Working	35
1-Café-DWF-36	Cafeteria to the right of DWF 36 (near windows)	Drinking Water Fountain- Not Working	36

School Name:

Cody High School

Address

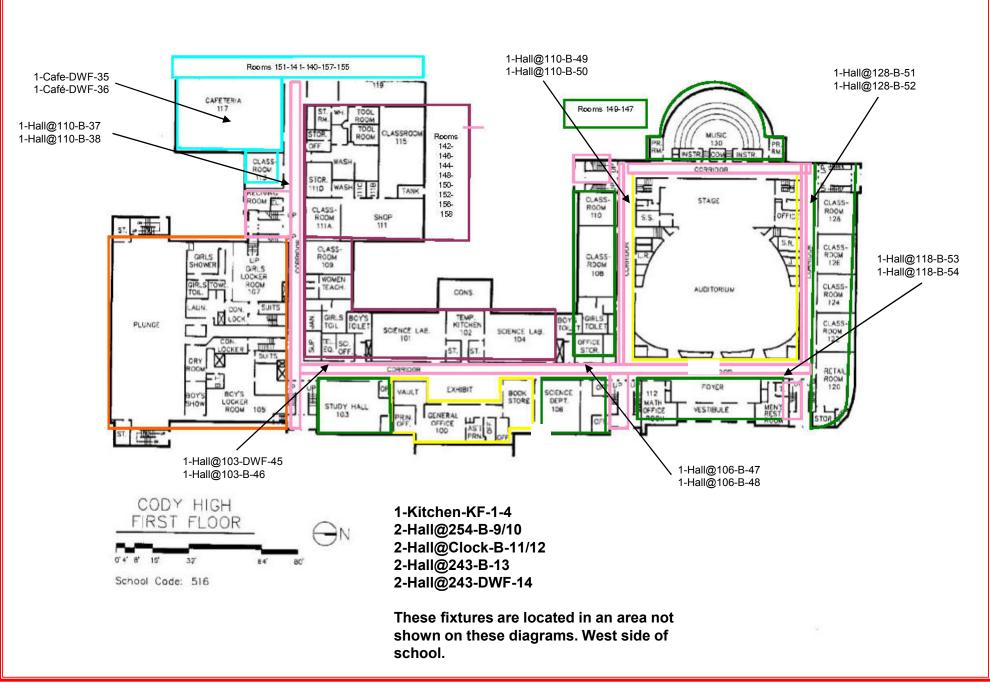
18445 Cathedral Street, Detroit, MI 48228

Fixture Identification	Fixture Location	Fixture Description	Photo #
1-Hall@110-B-37	Hall across from room 110	Bubbler - Left Fixture	37
1-Hall@110-B-38	Hall across from room 110	Bubbler - Right Fixture	38
1-Hall@140-B-39	Hall to the left of room 140	Bubbler - Left Fixture	39
1-Hall@140-B-40	Hall to the left of room 140	Bubbler - Right Fixture	40
1-Hall@146-B-41	Hall across from room 146	Bubbler - Left Fixture	41
1-Hall@146-B-42	Hall across from room 146	Bubbler - Right Fixture	42
1-Hall@149-DWF-43	Hall across from room 149	Drinking Water Fountain - Left Fixture	43
1-Hall@149-DWF-44	Hall across from room 149	Drinking Water Fountain - Right Fixture	44
1-Hall@103-DWF-45	Hall across from room 103	Drinking Water Fountain	45
1-Hall@103-B-46	Hall across from room 103	Bubbler	46
1-Hall@106-B-47	Hall across from room 106	Bubbler - Left Fixture- Not Working	47
1-Hall@106-B-48	Hall across from room 106	Bubbler - Right Fixture- Not Working	48

School Name:	Cody High School

Address 18445 Cathedral Street, Detroit, MI 48228

Fixture Identification	Fixture Location	Fixture Description	Photo #
1-Hall@153-DWF-49	Hall across from room 110	Drinking Water Fountain	49
1-Hall@153-B-50	Hall across from room 110	Bubbler	50
1-Hall@128-B-51	Hall across from room 128	Bubbler - Left Fixture- Not Working	51
1-Hall@128-B-52	Hall across from room 128	Bubbler - Right Fixture- Not Working	52
1-Hall@118-B-53	Hall to the left of room 118	Bubbler - Left Fixture	53
1-Hall@118-B-54	Hall to the left of room 118	Bubbler - Right Fixture	54



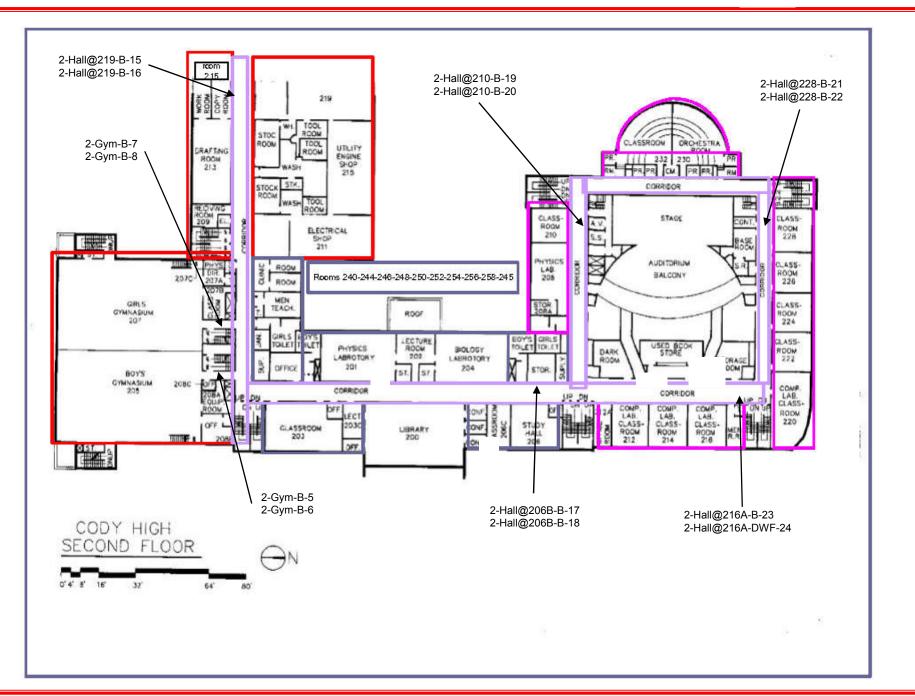


Cody High School 18445 Cathedral Street, Detroit, MI 48228

**Fixture Inventory Diagram** 

Floor #1

	PROJECT NUMBER: 188BS18437 DRAWN BY: KJ		FIGURE: 1
			REVIEWED BY
			DATE: 7/24/2018
46555 Humboldt Drive, Suite 100 Novi, Michigan 48377 Ph: (248) 669-5140 ~ Fax: (248) 669-5147			377



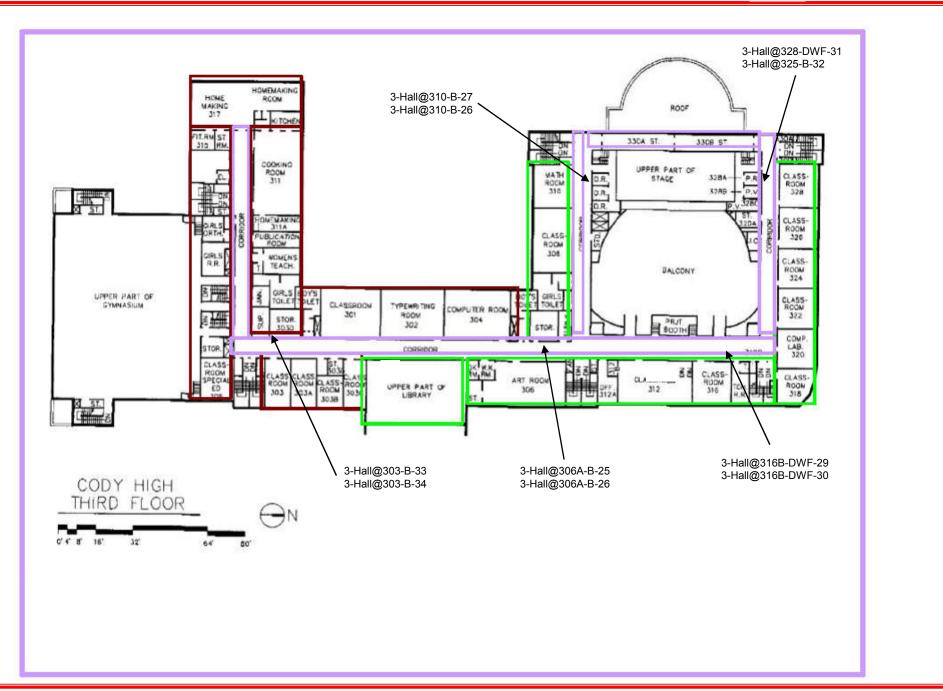


Cody High School 18445 Cathedral Street, Detroit, MI 48228

**Fixture Inventory Diagram** 

Floor #2

	PROJECT NUMBER: 188BS18437 DRAWN BY: KJ		FIGURE: 2
			REVIEWED BY
			DATE: 7/24/2018
46555 Humboldt Drive, Suite 100 Novi, Michigan 48377 Ph: (248) 669-5140 ~ Fax: (248) 669-5147			377





Cody High School 18445 Cathedral Street, Detroit, MI 48228

**Fixture Inventory Diagram** 

Floor #3

PROJECT NUMBI	ER: 188BS18437	FIGURE: 3
DRAWN BY: KJ		REVIEWED BY
		DATE: 7/24/2018
ATC	46555 Humboldt Dri Novi, Michigan 483 Ph: (248) 669-5140	

### FIXTURE INVENTORY PHOTOLOG Cody High School Detroit, Michigan



Photo 1: Kitchen faucet, located on the 1st floor, in the kitchen (next to sprayer).



Photo 2: Kitchen faucet, located on the 1st floor, in the kitchen (hand washing).



Photo 3: Kitchen faucet, located on the 1st floor, in the kitchen – left fixture (dish washing).



Photo 4: Kitchen faucet, located on the 1st floor, in the kitchen – right fixture (dish washing).



Photo 5: Bubbler, located on the 2<sup>nd</sup> floor, in the east gym hall – left fixture.



Photo 6: Bubbler, located on the 2nd floor, in the east gym hall – right fixture.



Photo 7: Bubbler, located on the 2nd floor, in the west gym hall – left fixture.



Photo 8: Bubbler, located on the 2nd floor, in the west gym hall – right fixture.



Photo 9: Drinking water fountain, located in a 2nd floor hall, across from room 254 – left fixture.



Photo 10: Drinking water fountain, located in a 2nd floor hall, across from room 254 – right fixture.



Photo 11: Bubbler, located in a 2nd floor hall, near the clock, near the center of the hallway – left fixture.



Photo 12: Bubbler, located in a 2nd floor hall, near the clock, near the center of the hallway – right fixture.



Photo 13: Drinking water fountain, located in a 2nd floor hall, to the left of room 243 – left fixture.



Photo 14: Drinking water fountain, located in a 2nd floor hall, to the left of room 243 – left fixture.



Photo 15: Bubbler, located in a 2nd floor hall, across from room 219 – left fixture.



Photo 16: Bubbler, located in a 2nd floor hall, across from room 219 – right fixture.



Photo 17: Bubbler, located in a 2nd floor hall, to the right of room 206B – left fixture.



Photo 18: Bubbler, located in a 2nd floor hall, to the right of room 206B – left fixture.



Photo 19: Bubbler, located in a 2nd floor hall, to the right of room 210 – left fixture.



Photo 20: Bubbler, located in a 2nd floor hall, to the right of room 210 – right fixture.



Photo 21: Bubbler, located in a 2nd floor hall, across from room 228 – left fixture.



Photo 22: Bubbler, located in a 2nd floor hall, across from room 228 – right fixture.



Photo 23: Bubbler, located in a 2nd floor hall, across from room 216A – left fixture.



Photo 24: Drinking water fountain, located in a 2nd floor hall, across from room 216A – right fixture.



Photo 25: Bubbler, located in a 3rd floor hall, to the right of room 306A (fan room) – left fixture.



Photo 26: Bubbler, located in a 3rd floor hall, to the right of room 306A (fan room) – right fixture.



Photo 27: Bubbler, located in a 3rd floor hall, across from room 310 – left fixture.



Photo 28: Bubbler, located in a 3rd floor hall, across from room 310 – right fixture.



Photo 29: Drinking water fountain, located in a 3rd floor hall, to the right of room 316B – left fixture.



Photo 30: Drinking water fountain, located in a 3rd floor hall, to the right of room 316B – right fixture.



Photo 31: Drinking water fountain, located in a 3rd floor hall, across from room 328 – left fixture.



Photo 32: Drinking water fountain, located in a 3rd floor hall, across from room 328 – right fixture.



Photo 33: Bubbler, located in a 3rd floor hall, across from room 303 – left fixture.



Photo 34: Bubbler, located in a 3rd floor hall, across from room 303 – right fixture.



Photo 35: Drinking water fountain, located on the 1st floor, in the cafeteria, across from the serving area.



Photo 36: Drinking water fountain, located on the 1st floor, in the cafeteria, nearest the windows.



Photo 37: Bubbler, located in a 1st floor hall, across from room 110 - left fixture.



Photo 38: Bubbler, located in a 1st floor hall, across from room 110 - right fixture.



Photo 39: Bubbler, located in a 1st floor hall, to the left of room 140 - left fixture.



Photo 40: Bubbler, located in a 1st floor hall, to the left of room 140 - right fixture.



Photo 41: Bubbler, located in a 1st floor hall, across from room 146 - left fixture.



Photo 42: Bubbler, located in a 1st floor hall, across from room 146 - right fixture.



Photo 43: Drinking water fountain, located in a 1st floor hall, across from room 1499 - left fixture.



Photo 44: Bubbler, located in a 1st floor hall, across from room 149 - right fixture.



Photo 45: Drinking water fountain, located in a 1st floor hall, across from room 103 - left fixture.



Photo 46: Bubbler, located in a 1st floor hall, across from room 103 - right fixture.



Photo 47: Bubbler, located in a 1st floor hall, across from room 106 - left fixture.



Photo 48: Bubbler, located in a 1st floor hall, across from room 106 - right fixture.



Photo 49: Bubbler, located in a 1st floor hall, across from room 110.



Photo 50: Drinking water fountain, located in a 1st floor hall, across from room 110.



Photo 51: Bubbler, located in a 1st floor hall, to the right of room 128 – left fixture.



Photo 52: Bubbler, located in a 1st floor hall, to the right of room 128 – right fixture.



Photo 53: Bubbler, located in a 1st floor hall, to the left of room 118 – left fixture.



Photo 54: Bubbler, located in a 1st floor hall, to the left of room 118 – right fixture.



September 06, 2018

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

RE: Project: DW-Cody

Pace Project No.: 4616833

#### 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-Cody Pace Project No.: 4616833

#### **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 #18-046-0

Georgia Environmental Protection Division, Stipulation Illinois Environmental Protection Agency, Certificate #004325

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-Cody Pace Project No.: 4616833

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4616833001	1-Kitchen-KF-1	Drinking Water	08/14/18 11:17	08/23/18 19:45
4616833002	1-Kitchen-KF-3	Drinking Water	08/14/18 11:19	08/23/18 19:45
4616833003	1-Kitchen-KF-4	Drinking Water	08/14/18 11:20	08/23/18 19:45
4616833004	2-Hall@254-DWF-9	Drinking Water	08/14/18 11:30	08/23/18 19:45
4616833005	2-Hall@Clock-B-11	Drinking Water	08/14/18 11:34	08/23/18 19:45
4616833006	2-Hall@Clock-B-12	Drinking Water	08/14/18 11:36	08/23/18 19:45
4616833007	2-Hall@243-DWF-13	Drinking Water	08/14/18 11:40	08/23/18 19:45
4616833008	2-Hall@243-DWF-14	Drinking Water	08/14/18 11:42	08/23/18 19:45
4616833009	2-Hall@219-B-15	Drinking Water	08/14/18 11:44	08/23/18 19:45
4616833010	2-Hall@219-B-16	Drinking Water	08/14/18 11:45	08/23/18 19:45
4616833011	2-Hall@206B-B-17	Drinking Water	08/14/18 11:49	08/23/18 19:45
4616833012	2-Hall@206B-B-18	Drinking Water	08/14/18 11:50	08/23/18 19:45
4616833013	2-Hall@210-B-19	Drinking Water	08/14/18 11:53	08/23/18 19:45
4616833014	2-Hall@210-B-20	Drinking Water	08/14/18 11:55	08/23/18 19:45
4616833015	2-Hall@216A-B-23	Drinking Water	08/14/18 12:03	08/23/18 19:45
4616833016	2-Hall@216A-DWF-24	Drinking Water	08/14/18 12:04	08/23/18 19:45
4616833017	3-Hall@306A-B-25	Drinking Water	08/14/18 12:10	08/23/18 19:45
4616833018	3-Hall@306A-B-26	Drinking Water	08/14/18 12:11	08/23/18 19:45
4616833019	3-Hall@310-B-27	Drinking Water	08/14/18 12:14	08/23/18 19:45
4616833020	3-Hall@310-B-28	Drinking Water	08/14/18 12:15	08/23/18 19:45
4616833021	3-Hall@316B-DWF-29	Drinking Water	08/14/18 12:17	08/23/18 19:45
4616833022	3-Hall@316B-DWF-30	Drinking Water	08/14/18 12:18	08/23/18 19:45
4616833023	3-Hall@328-DWF-31	Drinking Water	08/14/18 12:21	08/23/18 19:45
4616833024	3-Hall@303-B-33	Drinking Water	08/14/18 12:22	08/23/18 19:45
4616833025	3-Hall@303-B-34	Drinking Water	08/14/18 12:26	08/23/18 19:45
4616833026	1-Hall@110-B-37	Drinking Water	08/14/18 12:36	08/23/18 19:45
4616833027	1-Hall@110-B-38	Drinking Water	08/14/18 12:37	08/23/18 19:45
4616833028	1-Hall@140-B-39	Drinking Water	08/14/18 12:40	08/23/18 19:45
4616833029	1-Hall@140-B-40	Drinking Water	08/14/18 12:41	08/23/18 19:45
4616833030	1-Hall@146-B-41	Drinking Water	08/14/18 12:44	08/23/18 19:45
4616833031	1-Hall@146-B-42	Drinking Water	08/14/18 12:45	08/23/18 19:45
4616833032	1-Hall@149-DWF-43	Drinking Water	08/14/18 12:49	08/23/18 19:45
4616833033	1-Hall@149-DWF-44	Drinking Water	08/14/18 12:50	08/23/18 19:45
4616833034	1-Hall@103-DWF-45	Drinking Water	08/14/18 12:53	08/23/18 19:45
4616833035	1-Hall@103-B-46	Drinking Water	08/14/18 12:54	08/23/18 19:45
4616833036	1-Hall@118-B-53	Drinking Water	08/14/18 13:02	08/23/18 19:45
4616833037	1-Hall@118-B-54	Drinking Water	08/14/18 13:03	08/23/18 19:45

### **REPORT OF LABORATORY ANALYSIS**

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### **SAMPLE SUMMARY**

Project: DW-Cody Pace Project No.: 4616833

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4616833038	2-Gym-B-5	Drinking Water	08/14/18 11:23	08/23/18 19:45
4616833039	2-Gym-B-6	Drinking Water	08/14/18 11:24	08/23/18 19:45
4616833040	2-Gym-B-7	Drinking Water	08/14/18 11:26	08/23/18 19:45
4616833041	2-Gym-B-8	Drinking Water	08/14/18 11:27	08/23/18 19:45
4616833042	1-Hall@153-DWF-49	Drinking Water	08/14/18 12:57	08/23/18 19:45
4616833043	1-Hall@153-B-50	Drinking Water	08/14/18 12:58	08/23/18 19:45



## **SAMPLE ANALYTE COUNT**

Project: DW-Cody Pace Project No.: 4616833

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4616833001		EPA 200.8	CKD	
4616833002	1-Kitchen-KF-3	EPA 200.8	CKD	2
4616833003	1-Kitchen-KF-4	EPA 200.8	CKD	2
4616833004	2-Hall@254-DWF-9	EPA 200.8	CKD	2
4616833005	2-Hall@Clock-B-11	EPA 200.8	CKD	2
4616833006	2-Hall@Clock-B-12	EPA 200.8	CKD	2
4616833007	2-Hall@243-DWF-13	EPA 200.8	CKD	2
4616833008	2-Hall@243-DWF-14	EPA 200.8	CKD	2
4616833009	2-Hall@219-B-15	EPA 200.8	CKD	2
4616833010	2-Hall@219-B-16	EPA 200.8	CKD	2
4616833011	2-Hall@206B-B-17	EPA 200.8	CKD	2
4616833012	2-Hall@206B-B-18	EPA 200.8	CKD	2
4616833013	2-Hall@210-B-19	EPA 200.8	CKD	2
4616833014	2-Hall@210-B-20	EPA 200.8	CKD	2
4616833015	2-Hall@216A-B-23	EPA 200.8	CKD	2
4616833016	2-Hall@216A-DWF-24	EPA 200.8	CKD	2
4616833017	3-Hall@306A-B-25	EPA 200.8	CKD	2
4616833018	3-Hall@306A-B-26	EPA 200.8	CKD	2
4616833019	3-Hall@310-B-27	EPA 200.8	CKD	2
4616833020	3-Hall@310-B-28	EPA 200.8	CKD	2
4616833021	3-Hall@316B-DWF-29	EPA 200.8	CKD	2
4616833022	3-Hall@316B-DWF-30	EPA 200.8	CKD	2
4616833023	3-Hall@328-DWF-31	EPA 200.8	CKD	2
4616833024	3-Hall@303-B-33	EPA 200.8	CKD	2
4616833025	3-Hall@303-B-34	EPA 200.8	CKD	2
4616833026	1-Hall@110-B-37	EPA 200.8	CKD	2
4616833027	1-Hall@110-B-38	EPA 200.8	CKD	2
4616833028	1-Hall@140-B-39	EPA 200.8	CKD	2
4616833029	1-Hall@140-B-40	EPA 200.8	CKD	2
4616833030	1-Hall@146-B-41	EPA 200.8	CKD	2
4616833031	1-Hall@146-B-42	EPA 200.8	CKD	2
4616833032	1-Hall@149-DWF-43	EPA 200.8	CKD	2
4616833033	1-Hall@149-DWF-44	EPA 200.8	CKD	2
4616833034	1-Hall@103-DWF-45	EPA 200.8	CKD	2
4616833035	1-Hall@103-B-46	EPA 200.8	CKD	2
4616833036	1-Hall@118-B-53	EPA 200.8	CKD	2
4616833037	1-Hall@118-B-54	EPA 200.8	CKD	2



## **SAMPLE ANALYTE COUNT**

Project: DW-Cody Pace Project No.: 4616833

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4616833038	2-Gym-B-5	EPA 200.8	CKD	2
4616833039	2-Gym-B-6	EPA 200.8	CKD	2
4616833040	2-Gym-B-7	EPA 200.8	CKD	2
4616833041	2-Gym-B-8	EPA 200.8	CKD	2
4616833042	1-Hall@153-DWF-49	EPA 200.8	CKD	2
4616833043	1-Hall@153-B-50	EPA 200.8	CKD	2



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 1-Kitchen-KF-1	Lab ID: 4616833001		Collecte	d: 08/14/18	3 11:17	Received: 08	3/23/18 19:45 Ma	atrix: 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	100	ug/L	1.0	1300	1		09/05/18 17:32	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		09/05/18 17:32	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Kitchen-KF-3	Lab ID: 4616833002		Collecte	Collected: 08/14/18 11:19		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	160	ug/L	1.0	1300	1		09/05/18 17:37	7440-50-8	
Lead	1.6	ug/L	1.0	15	1		09/05/18 17:37	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 1-Kitchen-KF-4	Lab ID: 4616833003		Collecte	d: 08/14/18	3 11:20	Received: 08	/23/18 19:45 Ma	trix: 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 Lead	159 3.1	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 17:38 09/05/18 17:38		



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@254-DWF-9	Lab ID: 4616833004		Collecte	d: 08/14/18	11:30	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	king 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	338	ug/L	5.0	1300	5		09/06/18 12:10	7440-50-8	
Lead	8.7	ug/L	1.0	15	1		09/05/18 17:39	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@Clock-B-11	Lab ID: 4616833005		Collecte	d: 08/14/18	3 11:34	Received: 08	3/23/18 19:45 M	atrix: Drinking \	g 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	5.1	ug/L	1.0	1300	1		09/05/18 17:41	7440-50-8	
Lead	37.4	ug/L	1.0	15	1		09/05/18 17:41	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@Clock-B-12	Lab ID: 4616833006		Collecte	d: 08/14/18	3 11:36	Received: 08	3/23/18 19:45 M	atrix: Drinking \	g 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	3.8	ug/L	1.0	1300	1		09/05/18 17:42	7440-50-8	
Lead	14.7	ug/L	1.0	15	1		09/05/18 17:42	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@243-DWF-13	-DWF-13 Lab ID: 4616833007		Collecte	Collected: 08/14/18 11:40			/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	97.8 4.2	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 17:43 09/05/18 17:43		



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@243-DWF-14	Lab ID:	4616833008	Collecte	d: 08/14/18	11:42	Received: 08	/23/18 19:45 Ma	atrix: 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	25.6	ug/L	1.0	1300	1		09/05/18 17:47	7440-50-8	
Lead	22.7	ug/L	1.0	15	1		09/05/18 17:47	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@219-B-15	Lab ID:	4616833009	Collecte	d: 08/14/18	3 11:44	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	350	ug/L	5.0	1300	5		09/06/18 12:12	7440-50-8	
Lead	48.9	ug/L	1.0	15	1		09/05/18 17:54	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@219-B-16	Lab ID:	4616833010	Collecte	d: 08/14/18	11:45	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS Drinking Water	Analytical	Analytical Method: EPA 200.8									
Copper Lead	357 24.0	ug/L ug/L	5.0 1.0	1300 15	5 1		09/06/18 12:13 09/05/18 17:55				



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@206B-B-17	Lab ID:	4616833011	Collecte	d: 08/14/18	3 11:49	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	Analytical Method: EPA 200.8									
Copper Lead	1080 47.5	ug/L ug/L	10.0 1.0	1300 15	10 1		09/06/18 12:18 09/05/18 17:56				



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@206B-B-18	Lab ID:	4616833012	Collecte	d: 08/14/18	3 11:50	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	763 144	ug/L ug/L	5.0 5.0	1300 15	5 5		09/06/18 12:19 09/06/18 12:19		



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 2-Hall@210-B-19	all@210-B-19 Lab ID: 4616833013 Collected: 08/14/18 11:5			11:53	Received: 08	3/23/18 19:45 Ma	trix: Drinking	Water			
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS Drinking Water	Analytical	Analytical Method: EPA 200.8									
Copper Lead	297 5.7	ug/L ug/L	1.0 1.0	1300 15	1		09/05/18 17:58 09/05/18 17:58				

# **REPORT OF LABORATORY ANALYSIS**



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@210-B-20	Lab ID:	4616833014	Collecte	d: 08/14/18	3 11:55	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS Drinking Water	Analytical	Analytical Method: EPA 200.8									
Copper Lead	52.8 7.6	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 17:59 09/05/18 17:59				



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@216A-B-23	Lab ID:	4616833015	Collecte	d: 08/14/18	3 12:03	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS Drinking Water	Analytical	Analytical Method: EPA 200.8									
Copper	110	ug/L	1.0	1300	1		09/05/18 18:00	7440-50-8			
Lead	6.7	ug/L	1.0	15	1		09/05/18 18:00	7439-92-1			



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Hall@216A-DWF-24	Lab ID:	4616833016	Collecte	d: 08/14/18	3 12:04	Received: 08	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	140	ug/L	1.0	1300	1		09/05/18 18:02	7440-50-8	
Lead	2.8	ug/L	1.0	15	1		09/05/18 18:02	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 3-Hall@306A-B-25	Lab ID:	4616833017	Collecte	d: 08/14/18	12:10	Received: 08/	23/18 19:45 M	atrix: Drinking \	Water
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 ICPMS Metals, Total	Analytical	Method: EPA	200.8 Prepa	ration Meth	od: EP	A 200.8			
Copper	481	ug/L	5.0	1300	5	08/29/18 07:12	09/05/18 16:31	7440-50-8	
Lead	81.7	ug/L	1.0	15	1	08/29/18 07:12	09/05/18 12:05	7439-92-1	

# **REPORT OF LABORATORY ANALYSIS**



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@306A-B-26	Lab ID:	4616833018	Collecte	d: 08/14/18	3 12:11	Received: 08/23/18 19:45 Matrix: Drinking			Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS Drinking Water	Analytical	Analytical Method: EPA 200.8									
Copper Lead	219 20.5	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 18:09 09/05/18 18:09				



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@310-B-27	Lab ID:	4616833019	Collecte	d: 08/14/18	3 12:14	Received: 08	/23/18 19:45 Ma	trix: Drinking \	Nater		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual		
200.8 MET ICPMS Drinking Water	Analytical	Analytical Method: EPA 200.8									
Copper	188	ug/L	1.0	1300	1		09/05/18 18:13	7440-50-8			
Lead	12.6	ug/L	1.0	15	1		09/05/18 18:13	7439-92-1			



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@310-B-28	Lab ID:	4616833020	Collecte	d: 08/14/18	12:15	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	126	ug/L	1.0	1300	1		09/05/18 18:14	7440-50-8	
Lead	10.2	ug/L	1.0	15	1		09/05/18 18:14	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@316B-DWF-29	Lab ID:	4616833021	Collected	d: 08/14/18	3 12:17	Received: 08/	/23/18 19:45 M	latrix: 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	804 2.0	ug/L ug/L	10.0 1.0	1300 15	10 1		09/06/18 12:21 09/05/18 18:15		



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@316B-DWF-30	Lab ID:	4616833022	Collecte	Collected: 08/14/18 12:18			/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	Analytical Method: EPA 200.8									
Copper	228	ug/L	1.0	1300	1		09/05/18 18:16	7440-50-8			
Lead	6.6	ug/L	1.0	15	1		09/05/18 18:16	7439-92-1			



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@328-DWF-31	Lab ID:	4616833023	Collecte	d: 08/14/18	3 12:21	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	830 2.7	ug/L ug/L	10.0 1.0	1300 15	10 1		09/06/18 12:22 09/05/18 18:18		



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@303-B-33	Lab ID:	4616833024	Collecte	d: 08/14/18	3 12:22	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	245 2.2	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 18:19 09/05/18 18:19		



Project: DW-Cody Pace Project No.: 4616833

Sample: 3-Hall@303-B-34	Lab ID:	4616833025	Collecte	d: 08/14/18	3 12:26	Received: 08/	23/18 19:45 Ma	atrix: 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	311 <1.0	ug/L ug/L	5.0 1.0	1300 15	5 1		09/06/18 12:23 09/05/18 18:24		



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@110-B-37	Lab ID:	4616833026	Collecte	d: 08/14/18	3 12:36	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	2460	ug/L	10.0	1300	10		09/06/18 12:24	7440-50-8	
Lead	138	ug/L	5.0	15	5		09/06/18 12:25	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@110-B-38	Lab ID:	4616833027	Collecte	d: 08/14/18	3 12:37	Received: 08/	/23/18 19:45 Ma	atrix: 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 Lead	4090 131	ug/L ug/L	25.0 5.0	1300 15	25 5		09/06/18 13:03 09/06/18 12:28		



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@140-B-39	Lab ID:	4616833028	Collecte	d: 08/14/18	3 12:40	Received: 08	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	Analytical Method: EPA 200.8								
Copper Lead	8.7 28.3	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 18:27 09/05/18 18:27			



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 1-Hall@140-B-40	Lab ID:	4616833029	Collecte	d: 08/14/18	3 12:41	Received: 08	/23/18 19:45 Ma	atrix: 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	45.5	ug/L	1.0	1300	1		09/05/18 18:31	7440-50-8	
Lead	20.8	ug/L	1.0	15	1		09/05/18 18:31	7439-92-1	

# **REPORT OF LABORATORY ANALYSIS**



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@146-B-41	Lab ID:	4616833030	Collecte	d: 08/14/18	3 12:44	Received: 08	/23/18 19:45 M	atrix: 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	72.1	ug/L	1.0	1300	1		09/05/18 18:33	7440-50-8	
Lead	12.7	ug/L	1.0	15	1		09/05/18 18:33	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@146-B-42	Lab ID:	4616833031	Collecte	d: 08/14/18	3 12:45	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical	Analytical Method: EPA 200.8								
Copper Lead	63.6 25.8	ug/L ug/L	1.0 1.0	1300 15	1 1		09/05/18 18:34 09/05/18 18:34			



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 1-Hall@149-DWF-43	Lab ID:	4616833032	Collecte	d: 08/14/18	12:49	Received: 08	/23/18 19:45 M	atrix: 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	53.6	ug/L	1.0	1300	1		09/06/18 11:46	7440-50-8	
Lead	1.6	ug/L	1.0	15	1		09/06/18 11:46	7439-92-1	

# **REPORT OF LABORATORY ANALYSIS**



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 1-Hall@149-DWF-44	Lab ID:	4616833033	Collecte	d: 08/14/18	3 12:50	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	Analytical Method: EPA 200.8									
Copper Lead	80.4 89.6	ug/L ug/L	1.0 1.0	1300 15	1 1		09/06/18 11:47 09/06/18 11:47				

# **REPORT OF LABORATORY ANALYSIS**



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@103-DWF-45	Lab ID:	4616833034	Collecte	d: 08/14/18	3 12:53	Received: 08	/23/18 19:45 M	atrix: Drinking \	ng 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	89.9	ug/L	1.0	1300	1		09/06/18 11:48	7440-50-8	
Lead	1.8	ug/L	1.0	15	1		09/06/18 11:48	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@103-B-46	Lab ID:	4616833035	Collecte	d: 08/14/18	3 12:54	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	629 74.0	ug/L ug/L	10.0 1.0	1300 15	10 1		09/06/18 12:29 09/06/18 11:49		



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@118-B-53	Lab ID:	4616833036	Collecte	d: 08/14/18	3 13:02	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	54.5 1.3	ug/L ug/L	1.0 1.0	1300 15	1 1		09/06/18 11:51 09/06/18 11:51		



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@118-B-54	Lab ID:	4616833037	Collected	d: 08/14/18	3 13:03	Received: 08/23/18 19:45 Matrix: Drinkin			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	104 1.6	ug/L ug/L	1.0 1.0	1300 15	1 1		09/06/18 11:54 09/06/18 11:54		



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Gym-B-5	Lab ID:	4616833038	Collecte	d: 08/14/18	3 11:23	Received: 08	/23/18 19:45 Ma	atrix: 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	250	ug/L	1.0	1300	1		09/06/18 12:03	7440-50-8	
Lead	2.1	ug/L	1.0	15	1		09/06/18 12:03	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Gym-B-6	Lab ID:	4616833039	Collecte	d: 08/14/18	3 11:24	Received: 08	/23/18 19:45 Ma	atrix: Drinking \	king 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	185	ug/L	1.0	1300	1		09/06/18 12:04	7440-50-8	
Lead	3.2	ug/L	1.0	15	1		09/06/18 12:04	7439-92-1	



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 2-Gym-B-7	Lab ID:	4616833040	Collecte	d: 08/14/18	3 11:26	Received: 08/23/18 19:45 Matrix: 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	348	ug/L	10.0	1300	10		09/06/18 13:00	7440-50-8	
Lead	76.1	ug/L	1.0	15	1		09/06/18 12:06	7439-92-1	

# **REPORT OF LABORATORY ANALYSIS**



Project: DW-Cody Pace Project No.: 4616833

Sample: 2-Gym-B-8	Lab ID:	4616833041	Collecte	d: 08/14/18	3 11:27	Received: 08	/23/18 19:45 Ma	trix: 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	521 39.9	ug/L ug/L	10.0 1.0	1300 15	10 1		09/06/18 13:02 09/06/18 12:07		



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

Sample: 1-Hall@153-DWF-49	Lab ID:	4616833042	Collecte	d: 08/14/18	3 12:57	Received: 08	/23/18 19:45 Ma	atrix: 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	261	ug/L	1.0	1300	1		09/06/18 12:08	7440-50-8	
Lead	1.3	ug/L	1.0	15	1		09/06/18 12:08	7439-92-1	

# **REPORT OF LABORATORY ANALYSIS**



Project: DW-Cody Pace Project No.: 4616833

Sample: 1-Hall@153-B-50	Lab ID:	4616833043	Collecte	d: 08/14/18	12:58	Received: 08	/23/18 19:45 Ma	trix: 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	59.8 83.8	ug/L ug/L	1.0 1.0	1300 15	1 1		09/06/18 12:09 09/06/18 12:09		



Project: DW-Cody Pace Project No.: 4616833

Parameter

Parameter

Date: 09/06/2018 02:24 PM

Copper

Lead

QC Batch: 32486 Analysis Method: EPA 200.8

Units

4616833007

Result

97.8

4.2

Units

ug/L

ug/L

Spike

Conc.

20

20

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

4616833001, 4616833002, 4616833003, 4616833004, 4616833005, 4616833006, 4616833007, 4616833008, Associated Lab Samples:

4616833009, 4616833010, 4616833011, 4616833012, 4616833013, 4616833014, 4616833015, 4616833016

METHOD BLANK: 131143 Matrix: Water

4616833001, 4616833002, 4616833003, 4616833004, 4616833005, 4616833006, 4616833007, 4616833008, Associated Lab Samples:

Blank

Result

4616833009, 4616833010, 4616833011, 4616833012, 4616833013, 4616833014, 4616833015, 4616833016 Reporting Limit

Analyzed

Qualifiers

Copper		ug/L		<1.0	1.0	09/05/18	17:22					
_ead		ug/L		<1.0	.0 1.0 09/05/18 17:22							
LABORATORY CONTROL	SAMPLE: 13	1144										
			Spike	LCS	;	LCS	% Rec	;				
Parameter		Units	Conc.	Resu	lt	% Rec	Limits	Qı	Qualifiers			
Copper		ug/L	20		20.3	101	85	 5-115		•		
Lead		ug/L	20	20 20.3 102		85-115						
MATRIX SPIKE & MATRIX	SPIKE DUPLIC	ATE: 13114	 5		131146							
MATRIX SPIKE & MATRIX	SPIKE DUPLIC	ATE: 13114	5 MS	MSD	131146							
MATRIX SPIKE & MATRIX	SPIKE DUPLIC	ATE: 13114		MSD Spike	131146 MS	MSD	MS	MSD	% Rec		Max	
MATRIX SPIKE & MATRIX  Parameter	SPIKE DUPLIC		MS			MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD		Qual
Parameter		4616831011	MS Spike	Spike	MS			_		RPD 0	RPD	Qual
	Units	4616831011 Result	MS Spike Conc.	Spike Conc.	MS Result	Result	% Rec	% Rec	Limits		RPD 20	Qual
Parameter Copper	Units ug/L	4616831011 Result 11.8	MS Spike Conc.	Spike Conc.	MS Result	Result 31.0	% Rec	% Rec	Limits 70-130		RPD 20	Qual
Parameter Copper	Units ug/L ug/L	4616831011 Result 11.8 13.7	MS Spike Conc. 20 20	Spike Conc.	MS Result	Result 31.0	% Rec	% Rec	Limits 70-130		RPD 20	Qual

Spike

Conc.

20

20

MS

Result

118

25.6

MSD

Result

115

26.0

MS

% Rec

102

107

MSD

% Rec

84

109

% Rec

Limits

70-130

70-130

Max

RPD

20

RPD

3 20 Qual

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.



Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

QC Batch: 32487 Analysis Method: EPA 200.8

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

Associated Lab Samples: 4616833018, 4616833019, 4616833020, 4616833021, 4616833022, 4616833023, 4616833024, 4616833025,

4616833026, 4616833027, 4616833028, 4616833029, 4616833030, 4616833031, 4616833032, 4616833033,

4616833034, 4616833035, 4616833036

METHOD BLANK: 131151 Matrix: Water

Associated Lab Samples: 4616833018, 4616833019, 4616833020, 4616833021, 4616833022, 4616833023, 4616833024, 4616833025,

4616833026, 4616833027, 4616833028, 4616833029, 4616833030, 4616833031, 4616833032, 4616833033,

4616833034, 4616833035, 4616833036

Reporting Blank Parameter Result Limit Qualifiers Units Analyzed Copper <1.0 1.0 09/05/18 18:03 ug/L 09/05/18 18:03 Lead ug/L <1.0

LABORATORY CONTROL SAMPLE: 131152 Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Copper ug/L 20 20.6 103 85-115 Lead ug/L 20 20.6 103 85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 131153 131154 MS MSD 4616833018 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits **RPD** RPD Qual Copper ug/L 219 20 20 239 237 98 88 70-130 20 70-130 20 Lead ug/L 20.5 20 20 41.9 41.6 107 105

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 131156 131157 MS MSD MS MSD MS % Rec 4616833028 Spike Spike MSD Max RPD Parameter Units Result Conc. Result % Rec RPD Conc. Result % Rec Limits Qual 8.7 20 20 26.4 25.7 89 70-130 3 20 Copper ug/L 85 28.3 20 20 49.9 49.6 108 107 70-130 0 20 Lead ug/L

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.



Project: DW-Cody Pace Project No.: 4616833

QC Batch: 32488 Analysis Method: EPA 200.8

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

Associated Lab Samples: 4616833037, 4616833038, 4616833039, 4616833040, 4616833041, 4616833042, 4616833043

METHOD BLANK: 131159 Matrix: Water

Associated Lab Samples: 4616833037, 4616833038, 4616833039, 4616833040, 4616833041, 4616833042, 4616833043

Blank Reporting

Parameter Result Limit Qualifiers Units Analyzed Copper <1.0 1.0 09/06/18 11:52 ug/L Lead ug/L <1.0 1.0 09/06/18 11:52

LABORATORY CONTROL SAMPLE: 131160

Date: 09/06/2018 02:24 PM

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers ug/L Copper 20 20.8 104 85-115 Lead ug/L 20 20.2 101 85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 131161 131162

			MS	MSD								
		4616833037	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Copper	ug/L	104	20	20	122	125	90	106	70-130	3	20	
Lead	ug/L	1.6	20	20	22.6	22.9	105	107	70-130	2	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.



Project:

DW-Cody

Pace Project No.:

4616833

QC Batch:

Copper

Lead

31878

QC Batch Method: EPA 200.8 Analysis Method:

EPA 200.8

Analysis Description:

200.8 MET

Associated Lab Samples:

4616833017

METHOD BLANK: 128690

Matrix: Water

Associated Lab Samples:

Date: 09/06/2018 02:24 PM

4616833017

Blank

Reporting

Parameter Units

Limit Result

Qualifiers Analyzed

<1.0 ug/L ug/L <1.0

1.0 09/05/18 11:58 1.0 09/05/18 11:58

LABORATORY CONTROL SAMPLE: 128691

		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
Copper	ug/L	50	52.3	105	85-115	
Lead	ug/L	50	51.6	103	85-115	

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.



### **QUALIFIERS**

Project: DW-Cody Pace Project No.: 4616833

### **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 02:24 PM



### **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: DW-Cody Pace Project No.: 4616833

Date: 09/06/2018 02:24 PM

616833002         1.Kitchen-KF-3         EPA 200.8         32486           616833003         1.Kitchen-KF-4         EPA 200.8         32486           616833005         2.Hall @Clock-B-11         EPA 200.8         32486           616833007         2.Hall @Clock-B-12         EPA 200.8         32486           616833007         2.Hall @243-DWF-14         EPA 200.8         32486           616833008         2.Hall @243-DWF-14         EPA 200.8         32486           616833010         2.Hall @219-B-16         EPA 200.8         32486           616833011         2.Hall @219-B-16         EPA 200.8         32486           616833012         2.Hall @210-B-19         EPA 200.8         32486           616833013         2.Hall @210-B-19         EPA 200.8         32486           616833014         2.Hall @210-B-19         EPA 200.8         32486           616833015         2.Hall @210-B-20         EPA 200.8         32486           616833015         2.Hall @210-B-20         EPA 200.8         32487           616833019         3.Hall @210-B-26         EPA 200.8         32487           616833029         3.Hall @210-B-29         EPA 200.8         32487           616833029         3.Hall @316B-DWF-29         EPA 2	Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
616833003         1-Kitchen-KF-4         EPA 200.8         32486           616833004         2-Hail@Clock-B-11         EPA 200.8         32486           616833005         2-Hail@Clock-B-12         EPA 200.8         32486           616833006         2-Hail@243-DWF-13         EPA 200.8         32486           616833007         2-Hail@243-DWF-14         EPA 200.8         32486           61683301         2-Hail@219-B-16         EPA 200.8         32486           61683301         2-Hail@206B-B-17         EPA 200.8         32486           61683301         2-Hail@206B-B-18         EPA 200.8         32486           616833013         2-Hail@210-B-19         EPA 200.8         32486           616833014         2-Hail@210-B-20         EPA 200.8         32486           616833015         2-Hail@216A-DWF-24         EPA 200.8         32486           616833016         2-Hail@216A-DWF-24         EPA 200.8         32487           616833017         3-Hail@316-B-26         EPA 200.8         32487           616833020         3-Hail@316-DWF-24         EPA 200.8         32487           616833023         3-Hail@316B-DWF-30         EPA 200.8         32487           616833023         3-Hail@316B-DWF-30         EPA 200.	4616833001	1-Kitchen-KF-1	EPA 200.8	32486	_	
616833005	1616833002	1-Kitchen-KF-3	EPA 200.8	32486		
616833005 2.Hall@Clock-B-11	616833003	1-Kitchen-KF-4	EPA 200.8	32486		
616833006 2-Hall@Clock-B-12 EPA 200.8 32486 616833007 2-Hall@243-DWF-13 EPA 200.8 32486 616833009 2-Hall@219-B-15 EPA 200.8 32486 616833009 2-Hall@219-B-16 EPA 200.8 32486 616833011 2-Hall@219-B-16 EPA 200.8 32486 616833012 2-Hall@219-B-19 EPA 200.8 32486 616833012 2-Hall@206B-B-17 EPA 200.8 32486 616833013 2-Hall@210-B-19 EPA 200.8 32486 616833014 2-Hall@210-B-19 EPA 200.8 32486 616833015 2-Hall@210-B-20 EPA 200.8 32486 616833015 2-Hall@216-B-23 EPA 200.8 32486 616833016 2-Hall@216-B-27 EPA 200.8 32486 616833018 3-Hall@310-B-27 EPA 200.8 32487 616833019 3-Hall@310-B-27 EPA 200.8 32487 616833021 3-Hall@316B-DWF-29 EPA 200.8 32487 616833021 3-Hall@316B-DWF-30 EPA 200.8 32487 616833022 3-Hall@316B-DWF-31 EPA 200.8 32487 616833023 3-Hall@336B-DWF-31 EPA 200.8 32487 616833024 3-Hall@33-B-33 EPA 200.8 32487 616833025 3-Hall@33-B-33 EPA 200.8 32487 616833026 1-Hall@10-B-37 EPA 200.8 32487 616833027 1-Hall@10-B-38 EPA 200.8 32487 616833029 1-Hall@10-B-38 EPA 200.8 32487 616833020 1-Hall@10-B-38 EPA 200.8 32487 616833021 1-Hall@10-B-38 EPA 200.8 32487 616833023 1-Hall@10-B-38 EPA 200.8 32487 616833027 1-Hall@10-B-38 EPA 200.8 32487 616833029 1-Hall@10-B-38 EPA 200.8 32487 616833029 1-Hall@10-B-38 EPA 200.8 32487 616833020 1-Hall@10-B-38 EPA 200.8 32487 616833021 1-Hall@10-B-38 EPA 200.8 32487 616833023 1-Hall@10-B-38 EPA 200.8 32487 616833030 1-Hall@10-B-38 EPA 200.8 32487 616833030 1-Hall@10-B-38 EPA 200.8 32487 616833030 1-Hall@10-B-39 EPA 200.8 32487 616833030 1-Hall@10-B-30 EPA 200.8 32488 616833040 2-Gym-B-5 EPA 200.8 32488 616833040 1-Gym-B-5 EPA 200.8 32488 616833041 1-Gym-B-8 EPA 200.8 32488 616833043 1-Hall@	616833004	2-Hall@254-DWF-9	EPA 200.8	32486		
616833007 2-Hall@243-DWF-13 EPA 200.8 32486 616833009 2-Hall@219-B-15 EPA 200.8 32486 616833010 2-Hall@219-B-16 EPA 200.8 32486 616833010 2-Hall@206B-B-17 EPA 200.8 32486 616833012 2-Hall@206B-B-18 EPA 200.8 32486 616833013 2-Hall@206B-B-18 EPA 200.8 32486 616833013 2-Hall@210-B-19 EPA 200.8 32486 616833013 2-Hall@210-B-20 EPA 200.8 32486 616833015 2-Hall@216-B-23 EPA 200.8 32486 616833016 2-Hall@216-B-24 EPA 200.8 32486 616833016 3-Hall@216-DWF-24 EPA 200.8 32486 616833019 3-Hall@310-B-27 EPA 200.8 32487 616833020 3-Hall@310-B-28 EPA 200.8 32487 616833021 3-Hall@310-B-28 EPA 200.8 32487 616833021 3-Hall@310-B-28 EPA 200.8 32487 616833022 3-Hall@316B-DWF-30 EPA 200.8 32487 616833023 3-Hall@316B-DWF-30 EPA 200.8 32487 616833024 3-Hall@316B-DWF-30 EPA 200.8 32487 616833025 3-Hall@316B-DWF-30 EPA 200.8 32487 616833027 1-Hall@310-B-34 EPA 200.8 32487 616833026 1-Hall@303-B-33 EPA 200.8 32487 616833027 1-Hall@303-B-34 EPA 200.8 32487 616833029 1-Hall@10-B-38 EPA 200.8 32487 616833020 1-Hall@10-B-39 EPA 200.8 32487 616833020 1-Hall@10-B-39 EPA 200.8 32487 616833030 1-Hall@10-B-40 EPA 200.8 32487 616833030 1-Hall@140-B-40 EPA 200.8 32487 616833030 1-Hall@150-B-46 EPA 200.8 32487 616833030 1-Hall@150-B-46 EPA 200.8 32488 61683304 1-Hall@150-B-50 EPA 200.8 32488 61683304 1-Hall@150-B-50 EPA 200.8 32488 61683304 1-Hall@150-B-50 EPA 200.8 32488	616833005	2-Hall@Clock-B-11	EPA 200.8	32486		
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616833012       2-Hall@206B-B-18       EPA 200.8       32486         616833013       2-Hall@210-B-19       EPA 200.8       32486         616833015       2-Hall@216A-B-23       EPA 200.8       32486         616833016       2-Hall@216A-B-23       EPA 200.8       32486         616833018       3-Hall@306A-B-26       EPA 200.8       32487         616833020       3-Hall@310-B-27       EPA 200.8       32487         616833021       3-Hall@316B-DWF-29       EPA 200.8       32487         616833023       3-Hall@316B-DWF-30       EPA 200.8       32487         616833023       3-Hall@303-B-33       EPA 200.8       32487         616833024       3-Hall@303-B-33       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833030       1-Hall@140-B-44       EPA 200.8       32487         616833031       1-Hall@140-B-45       EPA 200.8       32487         616833033       1-Hall@140-B-40       EPA 200.8 <td>616833010</td> <td>2-Hall@219-B-16</td> <td>EPA 200.8</td> <td>32486</td> <td></td> <td></td>	616833010	2-Hall@219-B-16	EPA 200.8	32486		
616833013       2-Hall@210-B-19       EPA 200.8       32486         616833014       2-Hall@210-B-20       EPA 200.8       32486         616833015       2-Hall@216A-B-23       EPA 200.8       32486         616833016       2-Hall@216A-DWF-24       EPA 200.8       32486         616833018       3-Hall@306A-B-26       EPA 200.8       32487         616833020       3-Hall@310B-27       EPA 200.8       32487         616833021       3-Hall@316B-DWF-29       EPA 200.8       32487         616833022       3-Hall@316B-DWF-30       EPA 200.8       32487         616833023       3-Hall@303-B-33       EPA 200.8       32487         616833024       3-Hall@303-B-34       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@10-B-37       EPA 200.8       32487         616833027       1-Hall@10-B-39       EPA 200.8       32487         616833029       1-Hall@146-B-41       EPA 200.8       32487         616833030       1-Hall@146-B-42       EPA 200.8       32487         616833031       1-Hall@146-B-42       EPA 200.8       32487         616833033       1-Hall@103-DWF-45       EPA 200.8 <td>616833011</td> <td>2-Hall@206B-B-17</td> <td>EPA 200.8</td> <td>32486</td> <td></td> <td></td>	616833011	2-Hall@206B-B-17	EPA 200.8	32486		
616833013       2-Hall@210-B-19       EPA 200.8       32486         616833014       2-Hall@210-B-20       EPA 200.8       32486         616833015       2-Hall@216A-B-23       EPA 200.8       32486         616833016       2-Hall@216A-DWF-24       EPA 200.8       32486         616833018       3-Hall@306A-B-26       EPA 200.8       32487         616833020       3-Hall@310B-27       EPA 200.8       32487         616833021       3-Hall@316B-DWF-29       EPA 200.8       32487         616833022       3-Hall@316B-DWF-30       EPA 200.8       32487         616833023       3-Hall@303-B-33       EPA 200.8       32487         616833024       3-Hall@303-B-34       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@10-B-37       EPA 200.8       32487         616833027       1-Hall@10-B-39       EPA 200.8       32487         616833029       1-Hall@146-B-41       EPA 200.8       32487         616833030       1-Hall@146-B-42       EPA 200.8       32487         616833031       1-Hall@146-B-42       EPA 200.8       32487         616833033       1-Hall@103-DWF-45       EPA 200.8 <td>616833012</td> <td>2-Hall@206B-B-18</td> <td></td> <td>32486</td> <td></td> <td></td>	616833012	2-Hall@206B-B-18		32486		
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616833016 2-Hall@216A-DWF-24 EPA 200.8 32487 616833018 3-Hall@310-B-27 EPA 200.8 32487 616833019 3-Hall@310-B-28 EPA 200.8 32487 616833021 3-Hall@316B-DWF-29 EPA 200.8 32487 616833022 3-Hall@316B-DWF-30 EPA 200.8 32487 616833023 3-Hall@316B-DWF-31 EPA 200.8 32487 616833023 3-Hall@320-B-33 EPA 200.8 32487 616833024 3-Hall@303-B-33 EPA 200.8 32487 616833025 3-Hall@303-B-34 EPA 200.8 32487 616833025 3-Hall@310-B-37 EPA 200.8 32487 616833026 1-Hall@110-B-37 EPA 200.8 32487 616833027 1-Hall@110-B-38 EPA 200.8 32487 616833028 1-Hall@140-B-40 EPA 200.8 32487 616833030 1-Hall@140-B-40 EPA 200.8 32487 616833031 1-Hall@140-B-41 EPA 200.8 32487 616833031 1-Hall@140-B-42 EPA 200.8 32487 616833032 1-Hall@140-B-40 EPA 200.8 32487 616833031 1-Hall@146-B-42 EPA 200.8 32487 616833031 1-Hall@148-B-44 EPA 200.8 32487 616833032 1-Hall@148-B-WF-43 EPA 200.8 32487 616833033 1-Hall@149-DWF-44 EPA 200.8 32487 616833034 1-Hall@149-B-B-6 EPA 200.8 32487 616833035 1-Hall@149-B-WF-45 EPA 200.8 32487 616833036 1-Hall@148-B-6 EPA 200.8 32487 616833037 1-Hall@148-B-6 EPA 200.8 32487 616833039 2-Gym-B-5 EPA 200.8 32487 616833039 2-Gym-B-6 EPA 200.8 32488 616833040 2-Gym-B-7 EPA 200.8 32488 616833040 1-Gym-B-8 EPA 200.8 32488 616833040 1-Hall@153-DWF-49 EPA 200.8 32488	616833015					
616833019       3-Hall@310-B-27       EPA 200.8       32487         616833020       3-Hall@310-B-28       EPA 200.8       32487         616833021       3-Hall@316B-DWF-29       EPA 200.8       32487         616833022       3-Hall@316B-DWF-30       EPA 200.8       32487         616833024       3-Hall@303-B-33       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@110-B-38       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833031       1-Hall@146-B-41       EPA 200.8       32487         616833032       1-Hall@146-B-42       EPA 200.8       32487         616833033       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@10-DWF-44       EPA 200.8       32487         616833034       1-Hall@10-DWF-45       EPA 200.8       32487         616833035       1-Hall@118-B-53       EPA 200.8       32487         616833036       1-Hall@118-B-54       EPA 200.8 <td>616833016</td> <td></td> <td></td> <td></td> <td></td> <td></td>	616833016					
616833020       3-Hall@310-B-28       EPA 200.8       32487         616833021       3-Hall@316B-DWF-30       EPA 200.8       32487         616833023       3-Hall@316B-DWF-30       EPA 200.8       32487         616833024       3-Hall@303-B-33       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@110-B-38       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@146-B-42       EPA 200.8       32487         616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@149-DWF-44       EPA 200.8       32487         616833035       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@118-B-54       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8 <t< td=""><td>616833018</td><td>3-Hall@306A-B-26</td><td>EPA 200.8</td><td>32487</td><td></td><td></td></t<>	616833018	3-Hall@306A-B-26	EPA 200.8	32487		
616833021       3-Hall@316B-DWF-29       EPA 200.8       32487         616833022       3-Hall@316B-DWF-30       EPA 200.8       32487         616833023       3-Hall@328-DWF-31       EPA 200.8       32487         616833024       3-Hall@303-B-33       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@110-B-38       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@146-B-42       EPA 200.8       32487         616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@19-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-B-46       EPA 200.8       32487         616833035       1-Hall@118-B-53       EPA 200.8       32487         616833036       1-Hall@118-B-54       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833040       2-Gym-B-6       EPA 200.8	616833019	3-Hall@310-B-27	EPA 200.8	32487		
616833022       3-Hall@316B-DWF-30       EPA 200.8       32487         616833023       3-Hall@328-DWF-31       EPA 200.8       32487         616833024       3-Hall@303-B-33       EPA 200.8       32487         616833025       3-Hall@3103-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@146-B-42       EPA 200.8       32487         616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@149-DWF-44       EPA 200.8       32487         616833034       1-Hall@19-DWF-45       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833037       1-Hall@118-B-53       EPA 200.8       32488         616833038       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488	616833020	3-Hall@310-B-28	EPA 200.8	32487		
616833023       3-Hall@328-DWF-31       EPA 200.8       32487         616833024       3-Hall@303-B-33       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@110-B-38       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@146-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-42       EPA 200.8       32487         616833031       1-Hall@149-DWF-43       EPA 200.8       32487         616833032       1-Hall@149-DWF-44       EPA 200.8       32487         616833033       1-Hall@103-DWF-45       EPA 200.8       32487         616833034       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8 <t< td=""><td>616833021</td><td>3-Hall@316B-DWF-29</td><td>EPA 200.8</td><td>32487</td><td></td><td></td></t<>	616833021	3-Hall@316B-DWF-29	EPA 200.8	32487		
616833024       3-Hall@303-B-33       EPA 200.8       32487         616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@110-B-38       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@149-DWF-43       EPA 200.8       32487         616833032       1-Hall@149-DWF-44       EPA 200.8       32487         616833033       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833022	3-Hall@316B-DWF-30	EPA 200.8	32487		
616833025       3-Hall@303-B-34       EPA 200.8       32487         616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@110-B-38       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@146-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@146-B-42       EPA 200.8       32487         616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@103-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-B-46       EPA 200.8       32487         616833035       1-Hall@118-B-53       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833040       2-Gym-B-6       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       3248	616833023	3-Hall@328-DWF-31	EPA 200.8	32487		
616833026       1-Hall@110-B-37       EPA 200.8       32487         616833027       1-Hall@110-B-38       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833031       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@149-DWF-43       EPA 200.8       32487         616833032       1-Hall@149-DWF-44       EPA 200.8       32487         616833033       1-Hall@103-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-B-46       EPA 200.8       32487         616833035       1-Hall@118-B-53       EPA 200.8       32487         616833036       1-Hall@118-B-54       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833039       2-Gym-B-5       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833024	3-Hall@303-B-33	EPA 200.8	32487		
616833027       1-Hall@110-B-38       EPA 200.8       32487         616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@149-DWF-43       EPA 200.8       32487         616833032       1-Hall@149-DWF-44       EPA 200.8       32487         616833033       1-Hall@103-DWF-45       EPA 200.8       32487         616833034       1-Hall@103-B-46       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833039       2-Gym-B-5       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-B-50       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833025	3-Hall@303-B-34	EPA 200.8	32487		
616833028       1-Hall@140-B-39       EPA 200.8       32487         616833029       1-Hall@140-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@146-B-42       EPA 200.8       32487         616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@103-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-B-46       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833039       2-Gym-B-5       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833026	1-Hall@110-B-37	EPA 200.8	32487		
616833029       1-Hall@140-B-40       EPA 200.8       32487         616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@149-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-B-50       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833027	1-Hall@110-B-38	EPA 200.8	32487		
616833030       1-Hall@146-B-41       EPA 200.8       32487         616833031       1-Hall@149-DWF-43       EPA 200.8       32487         616833032       1-Hall@149-DWF-44       EPA 200.8       32487         616833033       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833040       2-Gym-B-6       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833028	1-Hall@140-B-39	EPA 200.8	32487		
616833031       1-Hall@146-B-42       EPA 200.8       32487         616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@149-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@118-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833040       2-Gym-B-6       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833029	1-Hall@140-B-40	EPA 200.8	32487		
616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@103-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833030	1-Hall@146-B-41	EPA 200.8	32487		
616833032       1-Hall@149-DWF-43       EPA 200.8       32487         616833033       1-Hall@103-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833031	1-Hall@146-B-42	EPA 200.8	32487		
616833033       1-Hall@149-DWF-44       EPA 200.8       32487         616833034       1-Hall@103-DWF-45       EPA 200.8       32487         616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833032					
616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833033	1-Hall@149-DWF-44				
616833035       1-Hall@103-B-46       EPA 200.8       32487         616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833034	1-Hall@103-DWF-45	EPA 200.8	32487		
616833036       1-Hall@118-B-53       EPA 200.8       32487         616833037       1-Hall@118-B-54       EPA 200.8       32488         616833038       2-Gym-B-5       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833035	1-Hall@103-B-46				
616833038       2-Gym-B-5       EPA 200.8       32488         616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833036	1-Hall@118-B-53				
616833039       2-Gym-B-6       EPA 200.8       32488         616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833037	1-Hall@118-B-54	EPA 200.8	32488		
616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833038	2-Gym-B-5	EPA 200.8	32488		
616833040       2-Gym-B-7       EPA 200.8       32488         616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833039	2-Gym-B-6	EPA 200.8	32488		
616833041       2-Gym-B-8       EPA 200.8       32488         616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833040	-	EPA 200.8	32488		
616833042       1-Hall@153-DWF-49       EPA 200.8       32488         616833043       1-Hall@153-B-50       EPA 200.8       32488	616833041	•		32488		
<b>616833043 1-Hall@153-B-50</b> EPA 200.8 32488	616833042	•				
<b>616833017 3-Hall@306A-B-25</b> EPA 200.8 31878 EPA 200.8 32420	616833043	_				
	616833017	3-Hall@306A-B-25	EPA 200.8	31878	EPA 200.8	32420

Pace Analytical

WO#: 4616833

HAIN-OF-CUSTODY / Analytical Request Document

HAIN-OF-CUSTODY / Analytical Request Document

e Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

ntact (Y/V) Samples SAMPLE CONDITIONS (N/A 5 Cooler Regulatory Agency Custody State / Location (N/A) Received on Residual Chlorine (Y/N) TEMP in C TIME DATE DATE Signed: Dominique Greer ACCEPTED BY / AFFILIATION Lead & Copper N/A Analyses Test Will Cole Methanol Preservatives Na2S2O3 HOBN Pace Project Manager. НСІ Invoice Information: HOOS Company Name: Pace Profile #: ace Quote: **₽OSZH** Address. Unpreserved TIME # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION という SIGNATURE of SAMPLER: PRINT Name of SAMPLER: DATE TIME END DATE COLLECTED Lead & Copper Testing RELINQUISHED BY / AFFILIATION TIME 8/14/18 11:42 11:49 11:50 8/14/18 11:36 8/14/18 11:44 START DATE 8/14/18 8/14/18 8/14/18 8/14/18 Required Project Information 8/14/18 8/14/18 8/14/18 8/14/18 8/14/18 Report To: Robert Smith SAMPLE TYPE 3 DW G DW G DW G DWG DWG DWG DW G DWG DWG DW G Purchase Order #: MATRIX CODE (see valid codes to left) Project Name: Copy To: CODE DWW WYT WWP WP WP ARR TS MATRIX
Drinking Water
Water
Waste Water
Product
Soli/Solid
Oil
Wipe
Air
Ar
Tissue 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 248-669-5140 Required Client Information 2-Hall@243-DWF-14 2-Hall@243-DWF-13 2-Hall@254-DWF-9 2-Hall@Clock-B-11 2-Hall@Clock-B-12 2-Hall@206B-B-17 2-Hall@206B-B-18 2-Hall@219-B-15 2-Hall@219-B-16 -Kitchen-KF-3 -Kitchen-KF-4 -Kitchen-KF-1 Requested Due Date: Novi, MI 48377 Page 56 of 63 Address: # MBTI e 4 2 9 10 12 8 6

90

8/14/2014

WO#4/4/18833 Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document / 78 95
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

(N/A) Intact SAMPLE CONDITIONS ŏ Sealed Regulatory Agency State / Location Custody (N/A) Received on Page: 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 Nazszos HOEN Pace Project Manager: HCI Section C Invoice Information: Company Name. HINO3 Pace Quote: +SSO4 Address: Unpreserved TIME # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: PRINT Name of SAMPLER: 23-18 DATE END DATE 9 COLLECTED Lead & Copper Testing RELINQUISHED BY / AFFILIATION TIME Cody 12:03 12:10 12:04 12:14 12:15 8/14/18 12:11 8/14/18 12:17 START 8/14/18 12:18 8/14/18 12:21 Required Project Information: 8/14/18 DATE 8/14/18 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) **SAMPLE TYPE** DW G DWG DW G DW G Dune DW G Jurchase Order #: MATRIX CODE (see valid codes to left) Project Name: Section B Copy To: Project #: CODE DW WW NW SL OL AR AR MATRIX
Drinking Water
Vaster
Waster
Waste Water
Product
Soli/Solid
Oil
Wipe
Air
Chher
Tissue Fax 248-669-5147 46555 Humboldt Drive, Suite 100 (A-Z, 0-9 / , -) Sample Ids must be unique ADDITIONAL COMMENTS One Character per box. ATC Group Services LLC SAMPLE ID robert.smith@atcgs.com Required Client Information: 2-Hall@216A-DWF-24 248-669-5140 3-Hall@316B-DWF-29 3-Hall@316B-DWF-30 3-Hall@328-DWF-31 2-Hall@216A-B-23 3-Hall@306A-B-25 3-Hall@306A-B-26 2-Hall@210-B-19 2-Hall@210-B-20 3-Hall@310-B-28 3-Hall@310-B-27 3-Hall@303-B-33 Requested Due Date: Novi, MI 48377 Company: Page 57 of 63 Email: Phone: 4 15 18 19 17 13 16 # WHIL 20 21 22 23 24

8/14/2014

MO#44116833 Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document /9895
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

(N/A) ntact Samples SAMPLE CONDITIONS (N/A) ð Cooler belses Regulatory Agency State / Location Custody (N/A) Received on Page: Residual Chlorine (Y/N) TEMP in C TIME Requested Analysis Filtered (Y/N) DATE Dominique Greer
DATE Signed: ACCEPTED BY / AFFILIATION Lead & Copper N/A Analyses Test Other Will Cole Pace Profile #: Profile 236 - Line 2 Methanol Preservatives Na2S2O3 HOBN Pace Project Manager: HCI Section C Invoice Information: EONH Company Name. Pace Quote: H2SO4 Address: Jubreserved TIME SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: PRINT Name of SAMPLER: DATE 8-23-6 TIME END DATE COLLECTED Lead & Copper Testing RELINQUISHED BY / AFFILIATION TIME Cody 12:36 12:37 12:45 12:49 12:50 8/14/18 12:40 8/14/18 12:44 12:53 8/14/18 12:41 8/14/18 12:54 START 8/14/18 1:02 8/14/18 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) **BAYT BJAMAS** DW G DWG DWG DWG DW G DW G DW G DW G DW G DWG DWG DWG urchase Order #. MATRIX CODE (see valid codes to left) Project Name: Section B Copy To: Project #: MATRIX
Drinking Water
Water
Waster Water
Product
Soli/Solid
Oil
Wipe
Air
Other
Tissue Fax 248-669-5147 46555 Humboldt Drive, Suite 100 ADDITIONAL COMMENTS One Character per box. (A-2, 0-9 / , -) Sample Ids must be unique SAMPLE ID ATC Group Services LLC Email: robert.smith@atcgs.com Required Client Information: 248-669-5140 -Hall@149-DWF-43 1-Hall@149-DWF-44 1-Hall@103-DWF-45 1-Hall@140-B-39 1-Hall@140-B-40 3-Hall@303-B-34 1-Hall@110-B-38 -Hall@146-B-42 1-Hall@110-B-37 -Hall@146-B-41 1-Hall@103-B-46 1-Hall@118-B-53 Requested Due Date: Novi, MI 48377 Company: Page 58 of 63 Address: 36 25 35 26 ITEM # 27 28 29 30 33 32 33 34

8/14/2014

Pace Analytical WOH 44W W833

## CHAIN-OF-CUSTODY / Analytical Request Document

ntact Samples SAMPLE CONDITIONS (N/A) ŏ belses Cooler Regulatory Agency State / Location Custody (N/A) 90 Received on Residual Chlorine (Y/N) J ui GMBT TIME Requested Analysis Filtered (Y/N) 8/14/2014 DATE DATE Signed: Dominique Greer ACCEPTED BY / AFFILIATION Lead & Copper Analyses Test N/A Pace Profile #: Profile 236 - Line 2 Will Cole Methanol Preservatives Na2S2O3 HOBN Pace Project Manager. Invoice Information: HCI Company Name: ниоз Pace Quote: ₽0SZH Section C Address: Unpreserved OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: PRINT Name of SAMPLER: 87278 DATE TIME END DATE COLLECTED Project Name: Lead & Copper Testing RELINQUISHED BY / AFFILIATION TIME Cody 8/14/18 11:23 11:27 12:57 12:58 START 8/14/18 1:03 Required Project Information: DATE 8/14/18 8/14/18 8/14/18 8/14/18 8/14/18 Report To: Robert Smith (G=GRAB C=COMP) DW G DW G SAMPLE TYPE DWG DW G DW G DW G DW G Purchase Order #: MATRIX CODE (see valid codes to left) Section B Copy To: Project #: CODE DWW WT WW SIL OL WP OT TS MATRIX
Drinking Water
Waste Waste
Waste Valer
Product
Souldsolid
Oil
Wripe
Air
Adri 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 Company: ATC Group Services LLC Email: robert.smith@atcgs.com Required Client Information: 248-669-5140 1-Hall@153-DWF-49 1-Hall@118-B-54 1-Hall@153-B-50 Requested Due Date: 2-Gym-B-5 2-Gym-B-6 2-Gym-B-7 2-Gym-B-8 Novi, MI 48377 Page 59 of 63 Address: Phone: 40 38 39 41 37 42 43 # M3TI

	SAMPLE RECEIVING	G / LOG-IN CHECKLIS	ST
5	Client	Mark Order H. / A	lelle833
Pace Analytica	Receipt Record Page/Line #	5	
Recorded by (initials/date)	Cooler Qty Receiv	ved R Gun (#202)	
31 Day 16	. □ Box /	Thermometer Used Digital Thermom	eter (#54)
N 8-27-18	(a) Other/	☐ IR Gun (#402)	
Cooler# Time 57	Cooler # Time	Cooler # Time	Cooler # Time
Custody Seals:	Custody Seals:	Custody Seals:	Custody Seals:
Mone 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 None	Blue Ice	☐ Blue Ice	☐ Blue Ice
Coolant Location:	Opelant I posting	□ None	□ None
Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location:	Coolant Location:
Temp Blank Present: ☐ Yes ☐ No	Dispersed / Top / Middle / Bottom Temp Blank Present: ☐ Yes ☐ No	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
If Present, Temperature Blank Location is:	If Present, Temperature Blank Location is:	Temp Blank Present: ☐ Yes ☐ No  If Present, Temperature Blank Location is:	Temp Blank Present: Yes No
☐ Representative ☐ Not Representative	☐ Representative ☐ Not Representative	Representative Not Representative	If Present, Temperature Blank Location is:  Representative Not Representative
Observed Correction Factor °C Actual °C	Observed Correction °C Factor °C Actual °C	Observed Correction °C Factor °C Actual °C	Observed Correction Factor *C Actual *C
Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:
Sample 1: 0 24.8	Sample 1:	Sample 1:	Sample 1:
Sample 2: 0 34.2	Sample 2:	Sample 2:	Sample 2:
Sample 3: 0 34.4	Sample 3:	Sample 3:	Sample 3:
When above 6 °C take a	When above 6 °C take a	When above 6 °C take a	When above 6 °C take a
3 Sample Average °C:	3 Sample Average °C:	3 Sample Average °C:	3 Sample Average °C:
☐ VOC Trip Blank received?	□ VOC Trip Blank received?	□ VOC Trip Blank received?	□ VOC Trip Blank received?
If <u>an</u>	y shaded areas checked, comple	te Sample Receiving Non-Conforma	
Paperwork Received		Check Sample Preservation	
Yes, No		N/A Yes No	
Chain of Custody record(s)?	If No, Initiated By	☐ Temperature Blan	k <b>OR</b> average sample temperature, ≥6° C?
Received for Lab Signed/Date USDA Soil Documents?	e/Time?	If "Yes" was therm	al preservation required?
USDA Soil Documents?  Sampling / Field Forms?		Completed Sample	samples collected the same day as receipt?
Other		/	e Preservation Verification Form?
COQ Information		d (5	XGM TOTAL STREET
Pace COC Other	,		ng and fill out Non-Conformance Form?  rved Terracore kit?
COC ID Numbers: 1995	9002/ 10002		ed vials must be frozen
1000	1011,1100	Work Order Not Logged In with Sho	
Charle COC for Assert		☐ Copies of COC To Lab Areas	
Check COC for Accuracy Yes No		Notes	
Analysis Requested?			
Sample ID matches COC?	1		
Sample Date and Time match	es COC?		
All containers indicated are re-			
Sample Condition Summary			
N/A Yes No			1
Broken containers/l	COLUMN TO THE PARTY OF THE PART		
Missing or incomple		Van Na	
Low volume receive		Yes No	-1. Fair 0
Inappropriate or nor	n-Pace containers received?	Were all samples logged i  Were all samples labelled	
O O VOC vials have hea	dspace?	Were samples placed on s	
Extra sample location	11.	nitial / Date :	121110
Containers not listed	1 0H COC?	WW OX	Page 60 of <b>6</b>

Client	1/6							PRESER	Work Order	- 4	Helle8	-
Receipt Log #	19	5			Co	ompleted By (in	hitials/date)	18 and		-	urub	
COC ID#	100	から				7					р	H Strip
/	78)						Adjusted I	py:			Reag	ent or Lot#
Container Type	BP3C	or AG3O	BP1	-4S	AG2S	3	Date: BP1-4N Total	BP1-4N Dissolved			W	HC739245
Preservative			H <sub>2</sub> SO <sub>4</sub>		H <sub>2</sub> SO <sub>4</sub> <2	2	HNO <sub>3</sub> <2	HNO <sub>3</sub> <2			1	Other
ph	Received	Adjusted	Received	Adjusted	Received A	djusted Re	ceived Adjusted	Received Adjusted	Received	Adjusted	<u> </u>	
COC Line #1							1				1	eck mark in the box if pH is
COC Line #2	-						1				acceptable	e. If pH is not
COC Line #3							//					e, document the and Adjusted
COC Line #4							1				pH values	in the
COC Line #5											appropriate (project ma	
COC Line #6											review all a	adjustments a
COC Line #7											work order Never add	more than 2x
COC Line #8											the default	preservation
COC Line #9						,	/				for default	ee table below volumes).
COC Line #10											Complete a	and attach a
COC Line #11											samples.	all adjusted A Sample
COC Line #12												
Comments:											pH adjustm	Non- ice Report impleted if a
Contract Con	198	94									Conforman must be co	Non- ice Report impleted if a
Comments:	198	94					Adjusted by	к			Conforman must be co pH adjustm required.	Non- ice Report impleted if a
Comments:	198 BP3C o	94 or AG30	BP1-	4S	AG2S		Date:				Conforman must be co pH adjustm required.	Non- ice Report impleted if a ient was
COC ID #  Container Type Preservative	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2		Date:BP1-4N Total HNO <sub>3</sub> <2	BP1-4N Dissolved HNO <sub>3</sub> <2			Conforman must be co pH adjustm required.	Non- ice Report impleted if a ient was  Default Preservative Volume (mL)
COC ID #  Container Type  Preservative pH	-	>12		2	100000000000000000000000000000000000000		Date:BP1-4N Total HNO <sub>3</sub> <2	BP1-4N Dissolved	Received	Adjusted	Conforman must be co pH adjustm required.	Non- ice Report impleted if a ient was  Default Preservative
COC ID #  Container Type Preservative pH  COC Line #1	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:BP1-4N Total HNO <sub>3</sub> <2	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmequired.  Container Size (mL)  Container Types 5 / 23	Non- ice Report impleted if a ient was  Default Preservative Volume (mL)
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmrequired.  Container Size (mL)  Container Types 5 / 23	Non- ice Report impleted if a ient was  Default Preservative Volume (mL)
COC ID #  Container Type Preservative pH COC Line #1 COC Line #2 COC Line #3	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmequired.  Container Size (mL)  Container Types 5 / 23  250  Container	Non- ice Report impleted if a ient was  Default Preservative Volume (mL)  NaOH  1.3
COC Line #3 COC Line #4	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmequired.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4	Non- ice Report impleted if a inent was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub>
Container Type Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmrequired.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125	Non- ice Report impleted if a inent was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5
COC Line #3 COC Line #4	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmequired.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250	Non- ice Report impleted if a inent was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0
Container Type Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmed.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500	Non- ice Report impleted if a ient was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0
Container Type Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmed.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container	Non- ice Report impleted if a inent was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0
Container Type Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6 COC Line #7	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmerequired.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500  Container Type 13	Non- ice Report impleted if a inent was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub>
Comments:  COC ID #  Container Type 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	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	ljusted Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmequired.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500	Non- ice Report impleted if a ient was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub> 2.5  HNO <sub>3</sub>
Container Type Preservative pH COC Line #1 COC Line #2 COC Line #4 COC Line #5 COC Line #6 COC Line #7 COC Line #8 COC Line #9	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	justed Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmequired.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500  Container Type 6 / 15	Non- ice Report impleted if a inent was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub> 2.5  HNO <sub>3</sub> 0.7
Container Type Preservative pH COC Line #1 COC Line #2 COC Line #3 COC Line #4 COC Line #5 COC Line #6 COC Line #8 COC Line #8 COC Line #8 COC Line #9 COC Line #10	NaOH	>12	H <sub>2</sub> SO <sub>4</sub> <	2	H <sub>2</sub> SO <sub>4</sub> <2	ljusted Rec	Date:	BP1-4N Dissolved HNO <sub>3</sub> <2	Received	Adjusted	Conforman must be copH adjustmered.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500  Container Type 6 / 15  125	Non- ice Report impleted if a ient was  Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub> 2.5  HNO <sub>3</sub>

Client	LIC	/									Work Orde	e 44	elle8:	ATION
Receipt Log #	19	3				Completed	By (initials/d	late 54	1-180	DINE		10	elus.	
COC ID#	190	75						T					7 F	oH Strip
	110							Adjusted	by:				Reag	ent or Lot#
Container Typ	e BP3C	or AG3O	ВР	1-4S	А	G2S	BP1-	Date: 4N Total	BP1-4N	Dissolved			- M	HC739245
Preservativ	100		H <sub>2</sub> SO <sub>4</sub>		H <sub>2</sub> SO.		HNO		HNC				1_	Other
COC Line #1	H Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	d Adjusted	Received	Adjusted		
******************							1	,						neck mark in t box if pH is
COC Line #2							1						acceptable	e. If pH is not
COC Line #3							/	,						e, document to and Adjusted
COC Line #4							1	,					pH values	in the
COC Line #5							/						appropriat (project mages)	e columns anager will
COC Line #6							/						review all	adjustments a
COC Line #7							/						work order Never add	more than 2x
COC Line #8							/						the default	preservation
COC Line #9							/						for default	ee table below volumes).
COC Line #10							1							and attach a
COC Line #11							1/						samples.	all adjusted A Sample
COC Line #12							1						Receiving	Non-
Comments:						_	V						Conformar must be co	nce Report impleted if a
COC ID #	909	/_					V						Conformar	nce Report impleted if a
	989	6					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Adjusted b	y:				Conformar must be co pH adjustm required.	nce Report completed if a nent was
	9890 BP3C or	AG30	BP1-	-4S	AG	28		Date:		Dissolved			Conformar must be co pH adjustm required.	Default Preservative
COC ID #  Container Type  Preservative	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2		Dissolved <2			Conformar must be co pH adjustm required.	Default Preservative Volume (mL)
COC ID #  Container Type  Preservative  pH	NaOH :	>12		<2	H <sub>2</sub> SO <sub>4</sub>		BP1-4	Date: N Total <2	BP1-4N HNO <sub>3</sub>	0.0000000000000000000000000000000000000	Received	Adjusted	Conformar must be co pH adjustn required. Container Size (mL)	nce Report empleted if a ment was
COC ID #  Container Type Preservative pH  COC Line #1	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23	Default Preservative Volume (mL)
COC ID #  Container Type Preservative pH COC Line #1 COC Line #2	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be co pH adjustm required.  Container Size (mL)  Container Types 5 / 23	Default Preservative Volume (mL)
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #3	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container	Default Preservative Volume (mL)  1.3
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #3  COC Line #4	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4	Default Preservative Volume (mL)  1.3  H <sub>2</sub> SO <sub>4</sub>
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125	Default Preservative Volume (mL)  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #3  COC Line #4	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250	Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container	Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5  COC Line #6	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000	Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5  COC Line #6  COC Line #7	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500  Container	Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub> 2.5
COC ID #  Container Type 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	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500	Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub> 2.5  HNO <sub>3</sub>
COC ID #  Container Type 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	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500  Container Type 6 / 15	Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub> 2.5  HNO <sub>3</sub> 0.7
COC ID #  Container Type Preservative pH  COC Line #1  COC Line #2  COC Line #4  COC Line #5  COC Line #6  COC Line #7  COC Line #8  COC Line #9  COC Line #9	NaOH :	>12	H <sub>2</sub> SO <sub>4</sub>	<2	H <sub>2</sub> SO <sub>4</sub>	<2	BP1-4I HNO <sub>3</sub>	Date: N Total <2	BP1-4N HNO <sub>3</sub>	<2	Received	Adjusted	Conformar must be copH adjustm required.  Container Size (mL)  Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500  Container Type 6 / 15  125	Default Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0  H <sub>2</sub> SO <sub>4</sub> 2.5  HNO <sub>3</sub>

revision: 3.1

Project Chemist (initials/date)

### Pace Analytical ®

# SAMPLE RECEIVING NON-CONFORMANCE REPORT

Work Order # 40/0833 List non-conformance issues associated with this work order in the chart below/left. Identify discrepancies between the COC and sample tags in the chart below/right. Add comments as needed.

Г	ø						Т
	Line Item Comments						
H	Oty						
	Container						
l	Time	1325					
Sample Tag	Date Sampled						
S	Sample Field ID						
F	Oty						
	Container Type						
	Time Sampled	1222					
200	Date Sampled						
		3-Hall@ 23-B-33					
	Preservation						
	Not Listed on COC						
	Container						
plem	Inappropriate						
Type of Problem	Label Illegible Low Volume						
Type	Label Missing / Incomplete						
	Broken Container Label Missing /						
	Missing Container						
	Discrepancy	>					
	# əuiJ	124					.5
	# COC ID #	12894					General Comments: