



April 26, 2018

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

RE: Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

### Dear Robert Smith:

Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 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,

Gary Wood

gary.wood@pacelabs.com

Composition

(616)940-4206 Project Manager

Enclosures

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







### **CERTIFICATIONS**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

### **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 #17-046-0

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 #56192 and 56193

North Carolina Division of Water Resources, Certificate

#659

Virginia Department of General Services, Certificate #9028 Wisconsin Department of Natural Resources, Laboratory

#999472650

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

Permit #P330-17-00278



# **SAMPLE SUMMARY**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4610696001	1-123-CF-1	Drinking Water	04/05/18 14:53	04/11/18 17:58
4610696002	1-127-CF-1	Drinking Water	04/05/18 14:22	04/11/18 17:58
4610696003	1-127-CF-2	Drinking Water	04/05/18 14:21	04/11/18 17:58
4610696004	1-128-CF-1	Drinking Water	04/05/18 14:18	04/11/18 17:58
4610696005	1-BL-B-1	Drinking Water	04/05/18 14:40	04/11/18 17:58
4610696006	1-MO-CRF-1	Drinking Water	04/05/18 14:40	04/11/18 17:58
4610696007	1-A-B-1	Drinking Water	04/05/18 14:11	04/11/18 17:58
4610696008	1-A-B-2	Drinking Water	04/05/18 14:11	04/11/18 17:58
4610696009	1-B-B-1	Drinking Water	04/05/18 14:45	04/11/18 17:58
4610696010	1-B-B-2	Drinking Water	04/05/18 14:45	04/11/18 17:58
4610696011	1-B-B-3	Drinking Water	04/05/18 14:41	04/11/18 17:58
4610696012	1-B-B-4	Drinking Water	04/05/18 14:42	04/11/18 17:58
4610696013	1-H-B-1	Drinking Water	04/05/18 14:17	04/11/18 17:58
4610696014	1-I-B-1	Drinking Water	04/05/18 14:26	04/11/18 17:58
4610696015	2-E-B-1	Drinking Water	04/05/18 15:10	04/11/18 17:58
4610696016	2-E-B-2	Drinking Water	04/05/18 15:11	04/11/18 17:58
4610696017	2-G-B-1	Drinking Water	04/05/18 14:57	04/11/18 17:58
4610696018	2-G-B-2	Drinking Water	04/05/18 14:57	04/11/18 17:58
4610696019	2-SL-OF-1	Drinking Water	04/05/18 15:20	04/11/18 17:58
4610696020	2-205-CF-1	Drinking Water	04/05/18 15:00	04/11/18 17:58
4610696021	2-205-CF-2	Drinking Water	04/05/18 14:59	04/11/18 17:58
4610696022	2-205-CF-3	Drinking Water	04/05/18 14:59	04/11/18 17:58
4610696023	2-205-CF-4	Drinking Water	04/05/18 15:00	04/11/18 17:58
4610696024	2-205-CF-5	Drinking Water	04/05/18 15:00	04/11/18 17:58
4610696025	2-205-CF-6	Drinking Water	04/05/18 15:02	04/11/18 17:58
4610696026	2-225-OF-1	Drinking Water	04/05/18 15:15	04/11/18 17:58
4610696027	2-229-OF-1	Drinking Water	04/05/18 15:16	04/11/18 17:58
4610696028	1-K-KF-1	Drinking Water	04/05/18 10:23	04/11/18 17:58
4610696029	1-K-KF-4	Drinking Water	04/05/18 10:25	04/11/18 17:58
4610696030	1-K-KF-6	Drinking Water	04/05/18 10:25	04/11/18 17:58
4610696031	1-K-KF-8	Drinking Water	04/05/18 10:25	04/11/18 17:58



# **SAMPLE ANALYTE COUNT**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4610696001	1-123-CF-1	EPA 200.8	DWJ	2
4610696002	1-127-CF-1	EPA 200.8	DWJ	2
4610696003	1-127-CF-2	EPA 200.8	DWJ	2
4610696004	1-128-CF-1	EPA 200.8	DWJ	2
4610696005	1-BL-B-1	EPA 200.8	DWJ	2
4610696006	1-MO-CRF-1	EPA 200.8	DWJ	2
4610696007	1-A-B-1	EPA 200.8	DWJ	2
4610696008	1-A-B-2	EPA 200.8	DWJ	2
4610696009	1-B-B-1	EPA 200.8	DWJ	2
4610696010	1-B-B-2	EPA 200.8	DWJ	2
4610696011	1-B-B-3	EPA 200.8	DWJ	2
4610696012	1-B-B-4	EPA 200.8	DWJ	2
4610696013	1-H-B-1	EPA 200.8	DWJ	2
4610696014	1-I-B-1	EPA 200.8	DWJ	2
4610696015	2-E-B-1	EPA 200.8	DWJ	2
4610696016	2-E-B-2	EPA 200.8	DWJ	2
4610696017	2-G-B-1	EPA 200.8	DWJ	2
4610696018	2-G-B-2	EPA 200.8	DWJ	2
4610696019	2-SL-OF-1	EPA 200.8	DWJ	2
4610696020	2-205-CF-1	EPA 200.8	DWJ	2
4610696021	2-205-CF-2	EPA 200.8	DWJ	2
4610696022	2-205-CF-3	EPA 200.8	DWJ	2
4610696023	2-205-CF-4	EPA 200.8	DWJ	2
4610696024	2-205-CF-5	EPA 200.8	DWJ	2
4610696025	2-205-CF-6	EPA 200.8	DWJ	2
4610696026	2-225-OF-1	EPA 200.8	DWJ	2
4610696027	2-229-OF-1	EPA 200.8	DWJ	2
4610696028	1-K-KF-1	EPA 200.8	DWJ	2
4610696029	1-K-KF-4	EPA 200.8	DWJ	2
4610696030	1-K-KF-6	EPA 200.8	DWJ	2
4610696031	1-K-KF-8	EPA 200.8	DWJ	2



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-123-CF-1	Lab ID:	4610696001	Collecte	Collected: 04/05/18 14:53			/11/18 17:58 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	2180 36.8	ug/L ug/L	50.0 1.0	1300 15	50 1		04/25/18 11:24 04/24/18 14:41		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-127-CF-1	Lab ID:	4610696002	Collected	Collected: 04/05/18 14:22			/11/18 17:58 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 Lead	445 7.0	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 11:26 04/24/18 14:42			



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-127-CF-2	Lab ID: 4610696003		Collecte	Collected: 04/05/18 14:21			/11/18 17:58 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	890 1.1	ug/L ug/L	25.0 1.0	1300 15	25 1		04/25/18 11:31 04/24/18 14:48		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-128-CF-1	Lab ID: 4610696004		Collecte	Collected: 04/05/18 14:18			/11/18 17:58 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	591 2.5	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 11:33 04/24/18 14:49		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-BL-B-1	Lab ID: 4610696005		Collecte	Collected: 04/05/18 14:40			/11/18 17:58 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	194 4.1	ug/L ug/L	5.0 1.0	1300 15	5 1		04/25/18 11:37 04/24/18 14:50		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-MO-CRF-1	Lab ID: 4610696006		Collected	Collected: 04/05/18 14:40			/11/18 17:58 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	1390 122	ug/L ug/L	25.0 5.0	1300 15	25 5		04/25/18 11:39 04/25/18 11:40		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-A-B-1	Lab ID:	4610696007	Collecte	Collected: 04/05/18 14:11			/11/18 17:58 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	81.1 5.5	ug/L ug/L	1.0 1.0	1300 15	1 1		04/24/18 14:56 04/24/18 14:56		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-A-B-2	Lab ID:	4610696008	Collecte	Collected: 04/05/18 14:11			/11/18 17:58 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	77.9 4.9	ug/L ug/L	1.0 1.0	1300 15	1 1		04/24/18 14:57 04/24/18 14:57			

(616)975-4500



# **ANALYTICAL RESULTS**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-B-B-1	Lab ID: 4610696009		Collecte	Collected: 04/05/18 14:45			/11/18 17:58 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	250	ug/L	5.0	1300	5		04/25/18 11:42		
Lead	2.8	ug/L	1.0	15	1		04/24/18 14:58	7439-92-1	



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-B-B-2	Lab ID:	4610696010	Collected	Collected: 04/05/18 14:45			/11/18 17:58 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	201 2.5	ug/L ug/L	5.0 1.0	1300 15	5 1		04/25/18 11:43 04/24/18 15:00		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-B-B-3	Lab ID:	4610696011	Collecte	d: 04/05/18	3 14:41	Received: 04	/11/18 17:58 Ma	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	125 2.1	ug/L ug/L	5.0 1.0	1300 15	5 1		04/25/18 11:45 04/24/18 15:01		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Date: 04/26/2018 01:36 PM

Sample: 1-B-B-4	Lab ID:	4610696012	Collecte	d: 04/05/18	3 14:42	Received: 04	/11/18 17:58 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	130	ug/L	5.0	1300	5		04/25/18 11:46	7440-50-8			
Lead	4.4	ug/L	1.0	15	1		04/24/18 15:02	7439-92-1			



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-H-B-1	Lab ID:	4610696013	Collecte	d: 04/05/18	3 14:17	Received: 04	/11/18 17:58 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	169 8.0	ug/L ug/L	5.0 1.0	1300 15	5 1		04/25/18 11:48 04/24/18 15:04		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-I-B-1	Lab ID:	4610696014	Collected	d: 04/05/18	3 14:26	Received: 04/	′11/18 17:58 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	79.2 6.6	ug/L ug/L	1.0 1.0	1300 15	1 1		04/24/18 15:05 04/24/18 15:05		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-E-B-1	Lab ID:	4610696015	Collecte	d: 04/05/18	3 15:10	Received: 04	/11/18 17:58 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	92.5	ug/L	1.0	1300	1		04/24/18 15:06		
Lead	6.1	ug/L	1.0	15	1		04/24/18 15:06	7439-92-1	



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-E-B-2	Lab ID:	4610696016	Collecte	d: 04/05/18	3 15:11	Received: 04	/11/18 17:58 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	88.6 5.2	ug/L ug/L	1.0 1.0	1300 15	1		04/24/18 15:10 04/24/18 15:10		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-G-B-1	Lab ID:	4610696017	Collecte	d: 04/05/18	3 14:57	Received: 04	/11/18 17:58 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	228	ug/L	5.0	1300	5		04/25/18 11:49	7440-50-8	
Lead	3.4	ug/L	1.0	15	1		04/24/18 15:12	7439-92-1	



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-G-B-2	Lab ID:	4610696018	Collecte	d: 04/05/18	14:57	Received: 04	/11/18 17:58 M	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	169	ug/L	5.0	1300	5		04/25/18 11:58	7440-50-8				
Lead	10.7	ug/L	1.0	15	1		04/24/18 15:17	7439-92-1				



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-SL-OF-1	Lab ID:	4610696019	Collecte	d: 04/05/18	3 15:20	Received: 04	/11/18 17:58 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	533 52.5	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 14:07 04/25/18 12:02		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-205-CF-1	Lab ID:	4610696020	Collecte	d: 04/05/18	3 15:00	Received: 04	/11/18 17:58 M	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 Lead	1260 24.2	ug/L ug/L	25.0 1.0	1300 15	25 1		04/25/18 14:16 04/25/18 12:08		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-205-CF-2	Lab ID:	4610696021	Collecte	d: 04/05/18	3 14:59	Received: 04	/11/18 17:58 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	1200	ug/L	25.0	1300	25		04/25/18 14:18		
Lead	16.7	ug/L	1.0	15	1		04/25/18 12:13	7439-92-1	



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-205-CF-3	Lab ID:	4610696022	Collecte	d: 04/05/18	3 14:59	Received: 04	/11/18 17:58 Ma	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 Lead	848 12.8	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 14:19 04/25/18 12:14		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-205-CF-4	Lab ID: 4610696023		Collecte	d: 04/05/18	3 15:00	Received: 04	/11/18 17:58 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	884 13.2	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 14:21 04/25/18 12:16			



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-205-CF-5	Lab ID: 4610696024		Collecte	d: 04/05/18	3 15:00	Received: 04	/11/18 17:58 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	1070 67.0	ug/L ug/L	25.0 1.0	1300 15	25 1		04/25/18 14:22 04/25/18 12:17			



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-205-CF-6	Lab ID: 4610696025		Collected	Collected: 04/05/18 15:02			Received: 04/11/18 17:58 Matrix: Drir		
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	773 44.5	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 14:24 04/25/18 12:19		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-225-OF-1	Lab ID:	4610696026	Collecte	d: 04/05/18	3 15:15	Received: 04	/11/18 17:58 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	822 43.6	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 14:25 04/25/18 12:20			



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 2-229-OF-1	Lab ID: 4610696027		Collected	Collected: 04/05/18 15:16			/11/18 17:58 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	573 8.2	ug/L ug/L	10.0 1.0	1300 15	10 1		04/25/18 14:27 04/25/18 12:21		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-K-KF-1	Lab ID:	Lab ID: 4610696028		d: 04/05/18	3 10:23	Received: 04	/11/18 17:58 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	68.2 1.4	ug/L ug/L	1.0 1.0	1300 15	1		04/25/18 12:23 04/25/18 12:23			



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-K-KF-4	Lab ID: 4610696029		Collecte	d: 04/05/18	3 10:25	Received: 04	/11/18 17:58 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	323 32.2	ug/L ug/L	5.0 1.0	1300 15	5 1		04/25/18 14:31 04/25/18 12:24			



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-K-KF-6	Lab ID: 4610696030		Collecte	Collected: 04/05/18 10:25			/11/18 17:58 N	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical	Method: EPA	200.8					<b>.</b>		
Copper	529	ug/L	10.0	1300	10		04/25/18 14:32	7440-50-8		
Lead	7.4	ug/L	1.0	15	1		04/25/18 12:26	7439-92-1		



Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Sample: 1-K-KF-8	Lab ID: 4610696031		Collecte	d: 04/05/18	3 10:25	Received: 04	/11/18 17:58 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	404 17.3	ug/L ug/L	5.0 1.0	1300 15	5 1		04/25/18 14:34 04/25/18 12:30			



### **QUALITY CONTROL DATA**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Date: 04/26/2018 01:36 PM

QC Batch: 21151 Analysis Method: EPA 200.8

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

Associated Lab Samples: 4610696001, 4610696002, 4610696003, 4610696004, 4610696005, 4610696006, 4610696007, 4610696008,

4610696009, 4610696010, 4610696011, 4610696012, 4610696013, 4610696014, 4610696015, 4610696016,

4610696017, 4610696018

METHOD BLANK: 84310 Matrix: Water

Associated Lab Samples: 4610696001, 4610696002, 4610696003, 4610696004, 4610696005, 4610696006, 4610696007, 4610696008,

4610696009, 4610696010, 4610696011, 4610696012, 4610696013, 4610696014, 4610696015, 4610696016,

4610696017, 4610696018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.0	1.0	04/24/18 14:33	
Lead	ug/L	<1.0	1.0	04/24/18 14:33	

LABORA	ATORY CONTROL SAM	ЛРLE: 84	1311										
				Spike	LCS	;	LCS	% Red	:				
	Parameter		Units	Conc.	Resu	lt	% Rec	Limits	Qı	ualifiers			
Copper			ug/L	20		21.1	105	85	-115				
Lead			ug/L	20		20.9	104	85	-115				
MATRIX	SPIKE & MATRIX SPI	KE DUPLIC	CATE: 84312			84313							
				MS	MSD								
			4610696002	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
	Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Copper		ug/L	445	200	200	670	656	113	106	70-130	2	20	
Lead		ug/L	7.0	20	20	26.8	27.7	99	103	70-130	3	20	
MATRIX	SPIKE & MATRIX SPI	KE DUPLIC	CATE: 84315			84316							
				MS	MSD								
			4610696017	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
	Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Copper		ug/L	228	100	100	333	331	105	103	70-130	1	20	
Lead		ug/L	3.4	20	20	23.8	23.6	102	101	70-130	1	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.



### **QUALITY CONTROL DATA**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Date: 04/26/2018 01:36 PM

QC Batch: 21233 Analysis Method: EPA 200.8

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

4610696019, 4610696020, 4610696021, 4610696022, 4610696023, 4610696024, 4610696025, 4610696026, Associated Lab Samples:

4610696027, 4610696028, 4610696029, 4610696030, 4610696031

METHOD BLANK: 84616 Matrix: Water

Associated Lab Samples: 4610696019, 4610696020, 4610696021, 4610696022, 4610696023, 4610696024, 4610696025, 4610696026,

4610696027, 4610696028, 4610696029, 4610696030, 4610696031

Parameter	Units	Result	Limit	Analyzed	Qualifiers
Copper	ug/L	<1.0	1.0	04/25/18 11:59	
Lead	ug/L	<1.0	1.0	04/25/18 11:59	

LABORATORY CONTROL SA	AMPLE: 8	4617										
Parameter		Units	Spike Conc.	LCS Resu		LCS % Rec	% Red Limits		ualifiers			
Copper		ug/L	20		20.5	103	85	 5-115		-		
Lead		ug/L	20		21.0	105	85	5-115				
MATRIX SPIKE & MATRIX SF	PIKE DUPLI	CATE: 84618			84619							
			MS	MSD								
		4610696019	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Copper	ug/L	533	200	200	756	749	111	108	70-130	1	20	
Lead	ug/L	52.5	20	20	73.4	73.0	104	102	70-130	1	20	
MATRIX SPIKE & MATRIX SF	PIKE DUPLI	CATE: 84621			84622							
			MS	MSD								
		4610697003	Spike	Spike	MS	MSD	MS	MSD	% Rec		Max	
Parameter	Units	Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Copper	ug/L	92.0	100	100	204	198	112	106	70-130	3	20	
Lead	ug/L	1.7	20	20	22.6	22.2	105	103	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.

### **REPORT OF LABORATORY ANALYSIS**



### **QUALIFIERS**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

### **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.

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: 04/26/2018 01:36 PM



# **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: DW Testing - Sampson/Webber

Pace Project No.: 4610696

Date: 04/26/2018 01:36 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
4610696001	1-123-CF-1	EPA 200.8	21151		
4610696002	1-127-CF-1	EPA 200.8	21151		
4610696003	1-127-CF-2	EPA 200.8	21151		
4610696004	1-128-CF-1	EPA 200.8	21151		
1610696005	1-BL-B-1	EPA 200.8	21151		
1610696006	1-MO-CRF-1	EPA 200.8	21151		
1610696007	1-A-B-1	EPA 200.8	21151		
610696008	1-A-B-2	EPA 200.8	21151		
1610696009	1-B-B-1	EPA 200.8	21151		
1610696010	1-B-B-2	EPA 200.8	21151		
610696011	1-B-B-3	EPA 200.8	21151		
1610696012	1-B-B-4	EPA 200.8	21151		
610696013	1-H-B-1	EPA 200.8	21151		
610696014	1-I-B-1	EPA 200.8	21151		
610696015	2-E-B-1	EPA 200.8	21151		
610696016	2-E-B-2	EPA 200.8	21151		
1610696017	2-G-B-1	EPA 200.8	21151		
610696018	2-G-B-2	EPA 200.8	21151		
610696019	2-SL-OF-1	EPA 200.8	21233		
1610696020	2-205-CF-1	EPA 200.8	21233		
1610696021	2-205-CF-2	EPA 200.8	21233		
1610696022	2-205-CF-3	EPA 200.8	21233		
1610696023	2-205-CF-4	EPA 200.8	21233		
1610696024	2-205-CF-5	EPA 200.8	21233		
1610696025	2-205-CF-6	EPA 200.8	21233		
1610696026	2-225-OF-1	EPA 200.8	21233		
610696027	2-229-OF-1	EPA 200.8	21233		
610696028	1-K-KF-1	EPA 200.8	21233		
1610696029	1-K-KF-4	EPA 200.8	21233		
4610696030	1-K-KF-6	EPA 200.8	21233		
4610696031	1-K-KF-8	EPA 200.8	21233		

MO#: 4610696

OF-CUSTODY / Analytical Request Document

Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

#19324

DRINKING WATER W OTHER to ☐ GROUND WATER Page: REGULATORY AGENCY RCRA Ξ NPDES STATE: Site Location □ UST Invoice Information Company Name: Pace Quote
Reference:
Pace Project
Manager:
Pace Profile #: Section C Address: Project Name: Sampson/Webber Elementary School Project Number: 188bs18114 Required Project Information: urchase Order No.: Copy To: 46555 Humboldt Dr. Ste 100, robert.smith@atcgs.com 10 Days ATC Group Services Fax: Novi Mi. 48377 hone: 1 248 669 5140 Section A Required Client Information: Requested Due Date/TAT: Company: mail To: Address:

		Valid Matrix Codes	(1	-				-	-					L		I	-						
	Required Client Information	MATRIX CODE	to left	(AMO	5	COLLECTED	Q			Pre	Preservatives	ives	estell.	N /A									
	O I I I I	DEMINING WATER DW WATER WY PRODUCT SOLLSOLID SL OIL	see valid codes	=GRAB C=C	COMPOSITE		COMPOSITE	9-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	S											(N/A	1/10-1	(S)	
	IQUE		LRIX CODE	D) BAYT BI9				TA 9MBT BJ9	CONTAINER		H	<sub>2</sub> O <sub>3</sub>	J	JsəT sisyle						ual Chlorine			
	70 004		ΓΑΜ	MAS	_	TIME DATE	TIME	_	Unpr	ONH OS <sup>z</sup> H	N <sup>g</sup> Ol HCl	Na <sub>2</sub> S, Meth	Ofher	CN bB							Jord one	Pare Draint No. / Lab.	-
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	1-127-CF-1	-	DW	O	4/5/18 2:2	2:22pm			-	×				×						7	3		
	1-127-CF-2	-2	DW	g	4/5/18 2.2	2.21pm			7	>			I	-			+		+		3		
	1-128-CF-1		DW	O	4/5/18 2:1	2:18pm				< >	-		T	× :			1			8	22		
	1-BL-B-1		DW	O		2:40pm		_	-	( )				×	+	+				18	7		
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	1-A-B-1		DW	O	-	2:11pm		1		× ;			T	_	+	+	1			-00c	و		
	1-A-B-2		× O	O		2:11pm				× ;			T							183	77		
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ge 40 o	no 40 -					SIGNATI	PRINT Name of SAMPLER: Mayada Disho SIGNATURE of SAMPLER:	LER: M.	wada D	olisho	10	2	,	DATE Signed	peut				)° ni qmə]	eceived o	Custody aled Cool	(V/Y)	(N/A)

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any involces not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

MOH: HOROPOR

Pace Analytical

# CHAIN-OF-CUSTODY / Analytical Request Document

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

#19327

DRINKING WATER OTHER to > ☐ NPDES ☐ GROUND WATER Page: REGULATORY AGENCY RCRA Ξ Requested Analysis Filtered (Y/N) STATE: Site Location UST Invoice Information Company Name: Reference:
Pace Project
Manager:
Pace Profile #: Section C ace Quote 4ddress: roject Name: Sampson/Webber Elementary School roject Number: 188bs18114 Section B
Required Project Information:
Report To: Rob Smith urchase Order No.: Copy To: 46555 Humboldt Dr. Ste 100, robert.smith@atcgs.com Section A
Required Client Information:

ATC Group Services

1-4 Dr. S 10 Days Novi Mi. 48377 1 248 669 5140 Requested Due Date/TAT: Section mail To:

	(SH-Nh)	sidual Chlorine		-013	710-	5/0-	200-	1/0-	210-	-019	-020	120-	220-	-023	120-	SAMPLE CONDITIONS				, i	O° ni qr O'(V/V) (V/V) d Coole (V/V)	ecce ecce belses f)
															4	ION DATE TIME	4/1/K 1305	Caffells 1758				4/6/18
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Preservatives	Part of the second	NO <sub>3</sub> CI ethanol ther Mosylvier	O W N N H H	× >	× >	< >	× )	× >	× >	× >	< >	× >	×	×	×	ACCEPTED BY / AFFILIATION	Wash a	Mater			ho	reconst
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CTED	COMPOSITE END/GRAB		DAIE														110	11/2	-	SAMPLER NAME AND SIG	PRINT Name of SAMPLER: Mayada Disho	SIGNATURE of SAMPLER
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Section D Required Client Information	CI II I I I I	(A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	1-H-B-1	1-I-B-1	2-E-B-1	2-E-B-2	2-G-B-1	2-G-B-2	2-SL-OF-1	2-205-CF-1	2-205-CF-2	2-205-CF-3	2-205-CF-4	2-205-CF-5	ADDITIONAL COMMENTS							
n c								-		_		_								Pa	ge 41	of 4

Important Note. By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

F-ALL-Q-020rev.08, 12-Oct-2007

MOH: 4010494

Pace Analytical

# CHAIN-OF-CUSTODY / Analytical Request Document

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

Section C

Section B

Required Client Information:

Section A

#19328

Pace Project No./ Lab I.D. DRINKING WATER (N/A) SAMPLE CONDITIONS OTHER (N/A) Sealed Cooler of Custody 03 270 520 > 820--030 -029 Received on Ice (Y/N) C GROUND WATER Residual Chlorine (Y/N) J. ni qmeT REGULATORY AGENCY Ξ RCRA Requested Analysis Filtered (Y/N) TIME TX. 4/6/18 4/1/18 Site Location STATE NPDES DATE UST DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION CO B Analysis Test TN/A Other Methanol Preservatives Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> HOBN HCI nvoice Information HNO3 ompany Name: PRINT Name of SAMPLER: Mayada Disho Reference: Pace Project Wanager: OS2H ace Quote Unpreserved Address: TIME 1305 Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1,5% per month for any Jp/ # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: 81/1/ DATE TIME Sampson/Webber Elementary School COMPOSITE COLLECTED DATE RELINQUISHED BY / AFFILIATION 10:25am 10:25am TIME 3:02pm 3:15pm 10:23am 3:16pm 10:25am COMPOSITE 188bs18114 DATE 4/5/18 4/5/18 4/5/18 4/6/18 4/6/18 4/6/18 4/6/18 Required Project Information Report To: Rob Smith O 9 0 O (G=GRAB C=COMP) SAMPLE TYPE O O O urchase Order No. Project Number: DW NO. DW MO (see valid codes to left) MO MO MATRIX CODE roject Name: Copy To: Valid Matrix Codes
MATRIX CODE WW W DRINKING WATER V
WASTE WATER V
PRODUCT F
SOIL/SOLID S 46555 Humboldt Dr. Ste 100, 2-205-CF-6 2-225-OF-1 2-229-OF-1 1-K-KF-6 1-K-KF-4 1-K-KF-8 1-K-KF-1 robert.smith@atcgs.com ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE 10 Days ATC Group Services Fax SAMPLE ID Novi Mi. 48377 Section D Required Client Information none: 1 248 669 5140 Requested Due Date/TAT: ompany: Page 42 of 46 Email To: ddress: # WHIL n 2 9 1 8 6 10 F 12

F-ALL-Q-020rev.08, 12-Oct-2007

ces not paid within 30 days.

96	SAMPLE RECEIVING	I LOG-IN CHECKLIS	ST
Pace Analytic	Client	n/Webber New / Add To	Order#: 4610696
	(46	Project Chemist Sam	001-031
Recorded by (initials/date)	Cooler Qty Receiv	Z IR Gun (#202)	See Additional Cooler
aw 04/12/1	8 am Other	Thermometer Used  Digital Thermor	neter (#54) Information Form
Cooler # Time	Cooler # Time	Cooler # Time	Cooler # Time
Custody Seals:	Custody Seals:	Custody South	
None	None	Custody Seals:	Custody Seals:  None
Present / Intact	☐ Present / Intact	☐ Present / Intact	Present / Intact
Present / Not Intact Coolant Type:	Present / Not Intact	☐ Present / Not Intact	☐ Present / Not Intact
Loose Ice	Coolant Type:	Coolant Type:	Coolant Type:
☐ Bagged Ice	☐ Bagged Ice	Loose ice Bagged ice	Loose Ice  Bagged Ice
Blue Ice	☐ Blue Ice	☐ Blue ice	Blue Ice
None	☐ None	None	None
Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location:	Coolant Location:	Coolant Location:
Dispersed / Top / Middle / Bottom Temp Blank Present: ☐ Yes ☑ No	Dispersed / Top / Middle / Bottom Temp Blank Present: ☐ Yes ☐ No	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Botton
If Present, Temperature Blank Location is:	Temp Blank Present:	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 Actual °C	Observed Correction Actual °C	Observed Correction	Observed Correction
Temp Blank:	*C Factor *C Actual C	°C Factor °C Actual °C	°C Factor °C Actual °C
0 45	Sample 1:	Temp Blank:	Temp Blank:
43 0 43	10,000.00	Sample 1:	Sample 1:
Sample 2: 21, 4 0 21, 4	Sample 2:	Sample 2:	Sample 2:
Sample 3: 21.5 0 21.5	Sample 3:	Sample 3:	Sample 3:
3 Sample Average °C: 21.5	3 Sample Average °C:	3 Sample Average °C:	3 Sample Average °C:
☐ Cooler ID on COC? ☐ VOC Trip Blank received?	☐ Cooler ID on COC? ☐ VOC Trip Blank received?	Cooler ID on COC?	☐ Cooler ID on COC?
The second secon	reas checked, complete Sample R	VOC Trip Blank received?	☐ VOC Trip Blank received?
Paperwork Received			r Inventory Form
Yes No		Check Sample Preservation	
Chain of Custody record(s)?	If No, Initiated By		nk <b>OR</b> average sample temperature, ≥6° C?
Received for Lab Signed/Da	te/Time?	☐ ☐ If either is ≥6° C,	was thermal preservation required?
Shipping document?		☐ ☐ If "Yes", Project	t Chemist Approval Initials:
COC Information		If "Yes" Completed Samp	eted Non Con Cooler - Cont Inventory Form?
Pace COC Other		/	le Preservation Verification Form?
COC ID Numbers:		Samples chemical samples chemical lif "No", added ora	lly preserved correctly?
1977, 10	222 .0222	Received pre-pres	The state of the s
Charles 600 for 1 1 1 1 1 1 1 1 1 1	327,19328	☐ MeOH	☐ Na <sub>2</sub> SO <sub>4</sub>
Check COC for Accuracy Yes No	,	Check for Short Hold-Time Prep/A	nalyses
☐ Analysis Requested?		☐ Bacteriological ☐ Air Bags	
Sample ID matches COC?		☐ Air Bags ☐ EnCores / Methanol Pre-Preserved	AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S)
Sample Date and Time match	nes COC?	Formaldehyde/Aldehyde	NONE RECEIVED
Container type completed on		☐ Green-tagged containers	RECEIVED, COCs TO LAB(S)
All container types indicated a	are received?	☐ Yellow/White-tagged 1 L ambers (SV Pr	
Analysis Requested?  Sample ID matches COC?  Sample Date and Time match Container type completed on  All container types indicated a	N	lotes	
WA YES NO			
Broken containers/ Missing or incompl			
Missing or incompl  Illegible information			
Low volume receive		C. Tric Black	
	n-Pace containers received?		nk not listed on COC
	ontainers have headspace?	Paperwork D	Delivered (Date/Time) ≤1 Hour Goal Met?
	ons / containers not listed on COC?	WW 04/12/18 Q10	04/2/18 and Yes / No

Pace Analytical " AQUEOUS SAMPLE PRESERVATION VERIFICATION TC - Sampson / Webber 4610696 Completed By (initials/date) Project Manager COC ID# pH Strip 19324 Adjusted by: Reagent or Lot # HC727135 Container Type 5/23 15 Preservative NaOH >12 H2SO4 <2 Other H2SO4 <2 HNO3 <2 HNO<sub>3</sub> <2 рН Received Adjusted Received Adjusted Received Adjusted Received Adjusted Received Adjusted Received Adjusted COC Line #1 Place a check mark in the Received box if pH is COC Line #2 acceptable. If pH is not COC Line #3 acceptable, document the Received and Adjusted COC Line #4 pH values in the appropriate columns (all COC Line #5 adjustments must be COC Line #6 reviewed by the project manager). Never add COC Line #7 more than 2x the default preservation volume (see COC Line #8 table below for default COC Line #9 volumes). Complete and attach an orange COC Line #10 preservation tag to all COC Line #11 adjusted samples. A Sample Receiving Non-COC Line #12 Conformance Report Comments: must be completed if a pH adjustment was required. COC ID# 19327 Adjusted by:\_ Default Container Preservative Size (mL) Date: Volume (mL) Container Type 5/23 13 6 Preservative NaOH >12 H2SO4 <2 H2SO4 <2 HNO<sub>3</sub> <2 HNO<sub>3</sub> <2 Container Received Adjusted pH Received Adjusted NaOH Received Adjusted Received, Adjusted Received Adjusted Received Adjusted Types 5 / 23 COC Line #1 250 1.3 COC Line #2 Container H2SO4 Type 4 COC Line #3 125 0.5 COC Line #4 250 1.0 COC Line #5 500 2.0 COC Line #6 1000 4.0 COC Line #7 Container H2SO4 Type 13 COC Line #8 500 2.5 COC Line #9 Container HNO<sub>3</sub> Types 6 / 15 COC Line #10 125 0.7 COC Line #11 250 1.25 COC Line #12 500 Comments: 1000 5.0

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pH Strip gent or Lot #					by:	Adjusted			(3)	B		<b>X</b>	1932	COC ID#
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Complete an orange	attach an o													COC Line #10
on tag to all	preservation													COC Line #11
eceiving Non-	adjusted sa Sample Re													COC Line #12
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Preservative Volume (mL)	Size (mL)			5 <2	1 HNO <sub>3</sub>	2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>		H <sub>2</sub> SO <sub>4</sub> <		NaOH >	
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Preservative Volume (mL)	Size (mL)  Container Types 5 / 23	Adjusted	Received /	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1
Preservative Volume (mL) NaOH	Size (mL)  Container Types 5 / 23	Adjusted	Received	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1
Preservative Volume (mL) NaOH	Container Types 5 / 23 250 Container	Adjusted	Received	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1 COC Line #2 COC Line #3
Preservative Volume (mL) NaOH 1.3 H <sub>2</sub> SO <sub>4</sub>	Container Types 5 / 23 250 Container Type 4	Adjusted	Received	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1  COC Line #2  COC Line #3  COC Line #4
Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5	Container Types 5 / 23 250 Container Type 4 125	Adjusted	Received /	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5
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Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0	Container Types 5 / 23  250  Container Type 4  125  250  500  1000  Container	Adjusted	Received	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5  COC Line #6  COC Line #7
Preservative Volume (mL)  NaOH  1.3  H <sub>2</sub> SO <sub>4</sub> 0.5  1.0  2.0  4.0	Container Types 5 / 23  250  Container Type 4  125  250  500  1000	Adjusted	Received	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5  COC Line #6
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>	Container Types 5 / 23 250 Container Type 4 125 250 500 1000 Container Type 13 500 Container	Adjusted	Received /	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5  COC Line #6  COC Line #7
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 Types 5 / 23  250  Container Type 4  125  250  500  1000  Container Type 13  500	Adjusted	Received	<2	HNO <sub>3</sub>	<2	HNO <sub>3</sub>	<2	H <sub>2</sub> SO <sub>4</sub>					COC Line #1  COC Line #2  COC Line #3  COC Line #4  COC Line #5  COC Line #6  COC Line #7  COC Line #8
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# APLE RECEIVING NON-CONFORMANCE REPORT

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

Line Item Comments oth Container Type Sampled Time Sample Tag Date Sampled Sample Field ID Qty Container Type Time Date Sampled 200 Sample Field ID Preservation Not Listed on COC Headspace Type of Problem Inappropriate emuloV wol abel Illegible Incomplete l gnissiM leds. Container Broken Container **BuissiM** Discrepancy # əui7 LLA Seneral Comments COC ID#

Project Chemist (initials/date)

page

Sample Receiving Log In Forms -- Sample\_Receipt\_Non-Conformance

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