

May 04, 2018

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

RE: Project: DPS Spain
Pace Project No.: 4611134

Dear Robert Smith:

Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 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
(616)940-4206
Project Manager

Enclosures

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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: DPS Spain

Pace Project No.: 4611134

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: DPS Spain
Pace Project No.: 4611134

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4611134001	1-146-CF-1-FD	Drinking Water	04/14/18 09:11	04/19/18 19:00
4611134002	1-146-CF-1-F	Drinking Water	04/14/18 09:12	04/19/18 19:00
4611134003	1-144-CF-1-FD	Drinking Water	04/14/18 09:14	04/19/18 19:00
4611134004	1-144-CF-1-F	Drinking Water	04/14/18 09:15	04/19/18 19:00
4611134005	1-148-BF-1-FD	Drinking Water	04/14/18 09:18	04/19/18 19:00
4611134006	1-148-BF-1-F	Drinking Water	04/14/18 09:20	04/19/18 19:00
4611134007	1-148-CF-1-FD	Drinking Water	04/14/18 09:22	04/19/18 19:00
4611134008	1-148-CF-1-F	Drinking Water	04/14/18 09:22	04/19/18 19:00
4611134009	1-142-CF-1-FD	Drinking Water	04/14/18 09:26	04/19/18 19:00
4611134010	1-142-CF-1-F	Drinking Water	04/14/18 09:26	04/19/18 19:00
4611134011	1-K-KF-2-FD	Drinking Water	04/14/18 09:32	04/19/18 19:00
4611134012	1-K-KF-2-F	Drinking Water	04/14/18 09:33	04/19/18 19:00
4611134013	1-K-KF-3-FD	Drinking Water	04/14/18 09:35	04/19/18 19:00
4611134014	1-K-KF-3-F	Drinking Water	04/14/18 09:35	04/19/18 19:00
4611134015	1-K-KF-4-FD	Drinking Water	04/14/18 09:36	04/19/18 19:00
4611134016	1-K-KF-4-F	Drinking Water	04/14/18 09:36	04/19/18 19:00
4611134017	1-K-KF-1-FD	Drinking Water	04/14/18 09:39	04/19/18 19:00
4611134018	1-K-KF-1-F	Drinking Water	04/14/18 09:39	04/19/18 19:00
4611134019	1-A-B-2-FD	Drinking Water	04/14/18 09:43	04/19/18 19:00
4611134020	1-A-B-2-F	Drinking Water	04/14/18 09:44	04/19/18 19:00
4611134021	1-TWM-OF-1-FD	Drinking Water	04/14/18 09:46	04/19/18 19:00
4611134022	1-TWM-OF-1-F	Drinking Water	04/14/18 09:46	04/19/18 19:00
4611134023	1-F-B-1-FD	Drinking Water	04/14/18 09:54	04/19/18 19:00
4611134024	1-F-B-1-F	Drinking Water	04/14/18 09:55	04/19/18 19:00
4611134025	1-F-B-2-FD	Drinking Water	04/14/18 09:56	04/19/18 19:00
4611134026	1-F-B-2-F	Drinking Water	04/14/18 09:56	04/19/18 19:00
4611134027	1-GYM-B-1-FD	Drinking Water	04/14/18 10:03	04/19/18 19:00
4611134028	1-GYM-B-1-F	Drinking Water	04/14/18 10:04	04/19/18 19:00
4611134029	1-GYM-B-2-FD	Drinking Water	04/14/18 10:05	04/19/18 19:00
4611134030	1-GYM-B-2-F	Drinking Water	04/14/18 10:06	04/19/18 19:00
4611134031	1-G-B-1-FD	Drinking Water	04/14/18 10:08	04/19/18 19:00
4611134032	1-G-B-1-F	Drinking Water	04/14/18 10:09	04/19/18 19:00
4611134033	B-F-B-1-FD	Drinking Water	04/14/18 10:18	04/19/18 19:00
4611134034	B-F-B-1-F	Drinking Water	04/14/18 10:18	04/19/18 19:00
4611134035	2-D-B-2-FD	Drinking Water	04/14/18 10:24	04/19/18 19:00
4611134036	2-D-B-2-F	Drinking Water	04/14/18 10:24	04/19/18 19:00
4611134037	3-E-B-1-FD	Drinking Water	04/14/18 10:26	04/19/18 19:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: DPS Spain

Pace Project No.: 4611134

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4611134038	3-E-B-1-F	Drinking Water	04/14/18 10:28	04/19/18 19:00
4611134039	1-127C-CF-1-FD	Drinking Water	04/14/18 10:33	04/19/18 19:00
4611134040	1-127C-CF-1-F	Drinking Water	04/14/18 10:35	04/19/18 19:00

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SAMPLE ANALYTE COUNT

Project: DPS Spain
Pace Project No.: 4611134

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4611134001	1-146-CF-1-FD	EPA 200.8	DWJ	2
4611134002	1-146-CF-1-F	EPA 200.8	DWJ	2
4611134003	1-144-CF-1-FD	EPA 200.8	DWJ	2
4611134004	1-144-CF-1-F	EPA 200.8	DWJ	2
4611134005	1-148-BF-1-FD	EPA 200.8	DWJ	2
4611134006	1-148-BF-1-F	EPA 200.8	DWJ	2
4611134007	1-148-CF-1-FD	EPA 200.8	DWJ	2
4611134008	1-148-CF-1-F	EPA 200.8	DWJ	2
4611134009	1-142-CF-1-FD	EPA 200.8	DWJ	2
4611134010	1-142-CF-1-F	EPA 200.8	DWJ	2
4611134011	1-K-KF-2-FD	EPA 200.8	DWJ	2
4611134012	1-K-KF-2-F	EPA 200.8	DWJ	2
4611134013	1-K-KF-3-FD	EPA 200.8	DWJ	2
4611134014	1-K-KF-3-F	EPA 200.8	DWJ	2
4611134015	1-K-KF-4-FD	EPA 200.8	DWJ	2
4611134016	1-K-KF-4-F	EPA 200.8	DWJ	2
4611134017	1-K-KF-1-FD	EPA 200.8	DWJ	2
4611134018	1-K-KF-1-F	EPA 200.8	DWJ	2
4611134019	1-A-B-2-FD	EPA 200.8	DWJ	2
4611134020	1-A-B-2-F	EPA 200.8	DWJ	2
4611134021	1-TWM-OF-1-FD	EPA 200.8	DWJ	2
4611134022	1-TWM-OF-1-F	EPA 200.8	DWJ	2
4611134023	1-F-B-1-FD	EPA 200.8	DWJ	2
4611134024	1-F-B-1-F	EPA 200.8	DWJ	2
4611134025	1-F-B-2-FD	EPA 200.8	DWJ	2
4611134026	1-F-B-2-F	EPA 200.8	DWJ	2
4611134027	1-GYM-B-1-FD	EPA 200.8	DWJ	2
4611134028	1-GYM-B-1-F	EPA 200.8	DWJ	2
4611134029	1-GYM-B-2-FD	EPA 200.8	DWJ	2
4611134030	1-GYM-B-2-F	EPA 200.8	DWJ	2
4611134031	1-G-B-1-FD	EPA 200.8	DWJ	2
4611134032	1-G-B-1-F	EPA 200.8	DWJ	2
4611134033	B-F-B-1-FD	EPA 200.8	DWJ	2
4611134034	B-F-B-1-F	EPA 200.8	DWJ	2
4611134035	2-D-B-2-FD	EPA 200.8	DWJ	2
4611134036	2-D-B-2-F	EPA 200.8	DWJ	2
4611134037	3-E-B-1-FD	EPA 200.8	DWJ	2

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SAMPLE ANALYTE COUNT

Project: DPS Spain

Pace Project No.: 4611134

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4611134038	3-E-B-1-F	EPA 200.8	DWJ	2
4611134039	1-127C-CF-1-FD	EPA 200.8	DWJ	2
4611134040	1-127C-CF-1-F	EPA 200.8	DWJ	2

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-146-CF-1-FD		Lab ID: 4611134001		Collected: 04/14/18 09:11		Received: 04/19/18 19:00		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	421	ug/L	10.0	1300	10		05/03/18 11:58	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:13	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-146-CF-1-F		Lab ID: 4611134002		Collected: 04/14/18 09:12		Received: 04/19/18 19:00		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	337	ug/L	10.0	1300	10		05/03/18 12:03	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:22	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-144-CF-1-FD		Lab ID: 4611134003		Collected: 04/14/18 09:14		Received: 04/19/18 19:00		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	264	ug/L	5.0	1300	5		05/03/18 12:04	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:23	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-144-CF-1-F		Lab ID: 4611134004		Collected: 04/14/18 09:15		Received: 04/19/18 19:00		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	327	ug/L	5.0	1300	5		05/03/18 12:11	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:25	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-148-BF-1-FD		Lab ID: 4611134005		Collected: 04/14/18 09:18		Received: 04/19/18 19:00		Matrix: 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 Preparation Method: EPA 200.8							
Copper	2090	ug/L	50.0	1300	50	04/30/18 08:15	05/02/18 12:00	7440-50-8	
Lead	245	ug/L	5.0	15	5	04/30/18 08:15	05/02/18 12:01	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-148-BF-1-F		Lab ID: 4611134006		Collected: 04/14/18 09:20		Received: 04/19/18 19:00		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	314	ug/L	5.0	1300	5		05/03/18 12:12	7440-50-8	
Lead	1.8	ug/L	1.0	15	1		05/02/18 17:26	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-148-CF-1-FD		Lab ID: 4611134007		Collected: 04/14/18 09:22		Received: 04/19/18 19:00		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	350	ug/L	5.0	1300	5		05/03/18 12:13	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:28	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-148-CF-1-F		Lab ID: 4611134008		Collected: 04/14/18 09:22		Received: 04/19/18 19:00		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	306	ug/L	5.0	1300	5		05/03/18 12:15	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:29	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-142-CF-1-FD		Lab ID: 4611134009		Collected: 04/14/18 09:26		Received: 04/19/18 19:00		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	367	ug/L	5.0	1300	5		05/03/18 12:16	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:30	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-142-CF-1-F		Lab ID: 4611134010		Collected: 04/14/18 09:26		Received: 04/19/18 19:00		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	76.6	ug/L	1.0	1300	1		05/02/18 17:32	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:32	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-2-FD		Lab ID: 4611134011		Collected: 04/14/18 09:32		Received: 04/19/18 19:00		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	292	ug/L	5.0	1300	5		05/03/18 12:17	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:37	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-2-F		Lab ID: 4611134012		Collected: 04/14/18 09:33		Received: 04/19/18 19:00		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	85.1	ug/L	1.0	1300	1		05/02/18 17:39	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:39	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-3-FD		Lab ID: 4611134013		Collected: 04/14/18 09:35		Received: 04/19/18 19:00		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	265	ug/L	5.0	1300	5		05/03/18 12:18	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:46	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-3-F		Lab ID: 4611134014		Collected: 04/14/18 09:35		Received: 04/19/18 19:00		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	120	ug/L	5.0	1300	5		05/03/18 12:20	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:48	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-4-FD		Lab ID: 4611134015		Collected: 04/14/18 09:36		Received: 04/19/18 19:00		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	284	ug/L	5.0	1300	5		05/03/18 12:21	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:49	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-4-F		Lab ID: 4611134016		Collected: 04/14/18 09:36		Received: 04/19/18 19:00		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	427	ug/L	10.0	1300	10		05/03/18 12:22	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:50	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-1-FD		Lab ID: 4611134017		Collected: 04/14/18 09:39		Received: 04/19/18 19:00		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	595	ug/L	10.0	1300	10		05/03/18 12:27	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:52	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-K-KF-1-F		Lab ID: 4611134018		Collected: 04/14/18 09:39		Received: 04/19/18 19:00		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	141	ug/L	5.0	1300	5		05/03/18 12:28	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:53	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-A-B-2-FD		Lab ID: 4611134019		Collected: 04/14/18 09:43		Received: 04/19/18 19:00		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	63.1	ug/L	1.0	1300	1		05/02/18 17:55	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:55	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-A-B-2-F		Lab ID: 4611134020		Collected: 04/14/18 09:44		Received: 04/19/18 19:00		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	28.7	ug/L	1.0	1300	1		05/02/18 17:56	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 17:56	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-TWM-OF-1-FD		Lab ID: 4611134021		Collected: 04/14/18 09:46		Received: 04/19/18 19:00		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	416	ug/L	10.0	1300	10		05/03/18 12:30	7440-50-8	
Lead	2.4	ug/L	1.0	15	1		05/02/18 18:08	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-TWM-OF-1-F		Lab ID: 4611134022	Collected: 04/14/18 09:46		Received: 04/19/18 19:00		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	187	ug/L	5.0	1300	5		05/03/18 12:35	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:14	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-F-B-1-FD		Lab ID: 4611134023		Collected: 04/14/18 09:54		Received: 04/19/18 19:00		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	257	ug/L	5.0	1300	5		05/03/18 12:36	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:19	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-F-B-1-F		Lab ID: 4611134024		Collected: 04/14/18 09:55		Received: 04/19/18 19:00		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	271	ug/L	5.0	1300	5		05/03/18 12:37	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:20	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-F-B-2-FD		Lab ID: 4611134025		Collected: 04/14/18 09:56		Received: 04/19/18 19:00		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	281	ug/L	5.0	1300	5		05/03/18 12:39	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:22	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-F-B-2-F		Lab ID: 4611134026		Collected: 04/14/18 09:56		Received: 04/19/18 19:00		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	255	ug/L	5.0	1300	5		05/03/18 12:45	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:23	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-GYM-B-1-FD		Lab ID: 4611134027		Collected: 04/14/18 10:03		Received: 04/19/18 19:00		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	321	ug/L	5.0	1300	5		05/03/18 12:46	7440-50-8	
Lead	2.0	ug/L	1.0	15	1		05/02/18 18:25	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-GYM-B-1-F		Lab ID: 4611134028		Collected: 04/14/18 10:04		Received: 04/19/18 19:00		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	156	ug/L	5.0	1300	5		05/03/18 12:47	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:26	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-GYM-B-2-FD		Lab ID: 4611134029		Collected: 04/14/18 10:05		Received: 04/19/18 19:00		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	290	ug/L	5.0	1300	5		05/03/18 12:49	7440-50-8	
Lead	2.9	ug/L	1.0	15	1		05/02/18 18:28	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-GYM-B-2-F		Lab ID: 4611134030		Collected: 04/14/18 10:06		Received: 04/19/18 19:00		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	144	ug/L	5.0	1300	5		05/03/18 12:50	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:29	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-G-B-1-FD		Lab ID: 4611134031		Collected: 04/14/18 10:08		Received: 04/19/18 19:00		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	29.8	ug/L	1.0	1300	1		05/02/18 18:31	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:31	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-G-B-1-F		Lab ID: 4611134032		Collected: 04/14/18 10:09		Received: 04/19/18 19:00		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	10.4	ug/L	1.0	1300	1		05/02/18 18:32	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:32	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: B-F-B-1-FD		Lab ID: 4611134033		Collected: 04/14/18 10:18		Received: 04/19/18 19:00		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	1150	ug/L	25.0	1300	25		05/03/18 12:51	7440-50-8	
Lead	21.2	ug/L	1.0	15	1		05/02/18 18:38	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: B-F-B-1-F		Lab ID: 4611134034		Collected: 04/14/18 10:18		Received: 04/19/18 19:00		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	544	ug/L	10.0	1300	10		05/03/18 12:53	7440-50-8	
Lead	3.6	ug/L	1.0	15	1		05/02/18 18:40	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 2-D-B-2-FD		Lab ID: 4611134035		Collected: 04/14/18 10:24		Received: 04/19/18 19:00		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	839	ug/L	10.0	1300	10		05/03/18 12:54	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:41	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 2-D-B-2-F		Lab ID: 4611134036		Collected: 04/14/18 10:24		Received: 04/19/18 19:00		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	144	ug/L	5.0	1300	5		05/03/18 12:55	7440-50-8	
Lead	2.9	ug/L	1.0	15	1		05/02/18 18:43	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 3-E-B-1-FD		Lab ID: 4611134037		Collected: 04/14/18 10:26		Received: 04/19/18 19:00		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	1460	ug/L	25.0	1300	25		05/03/18 12:56	7440-50-8	
Lead	2.0	ug/L	1.0	15	1		05/02/18 18:44	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 3-E-B-1-F		Lab ID: 4611134038		Collected: 04/14/18 10:28		Received: 04/19/18 19:00		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	103	ug/L	5.0	1300	5		05/03/18 13:01	7440-50-8	
Lead	5.2	ug/L	1.0	15	1		05/02/18 18:46	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-127C-CF-1-FD		Lab ID: 4611134039		Collected: 04/14/18 10:33		Received: 04/19/18 19:00		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	221	ug/L	5.0	1300	5		05/03/18 13:02	7440-50-8	
Lead	1.3	ug/L	1.0	15	1		05/02/18 18:47	7439-92-1	

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ANALYTICAL RESULTS

Project: DPS Spain

Pace Project No.: 4611134

Sample: 1-127C-CF-1-F		Lab ID: 4611134040		Collected: 04/14/18 10:35		Received: 04/19/18 19:00		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	19.5	ug/L	1.0	1300	1		05/02/18 18:48	7440-50-8	
Lead	<1.0	ug/L	1.0	15	1		05/02/18 18:48	7439-92-1	

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QUALITY CONTROL DATA

Project: DPS Spain
Pace Project No.: 4611134

QC Batch:	21932	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	ICPMS Metals, No Prep
Associated Lab Samples:	4611134001, 4611134002, 4611134003, 4611134004, 4611134006, 4611134007, 4611134008, 4611134009, 4611134010, 4611134011, 4611134012, 4611134013, 4611134014, 4611134015, 4611134016, 4611134017, 4611134018, 4611134019, 4611134020		

METHOD BLANK:	87590	Matrix:	Water
Associated Lab Samples:	4611134001, 4611134002, 4611134003, 4611134004, 4611134006, 4611134007, 4611134008, 4611134009, 4611134010, 4611134011, 4611134012, 4611134013, 4611134014, 4611134015, 4611134016, 4611134017, 4611134018, 4611134019, 4611134020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.0	1.0	05/02/18 17:10	
Lead	ug/L	<1.0	1.0	05/02/18 17:10	

LABORATORY CONTROL SAMPLE: 87591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	20	20.6	103	85-115	
Lead	ug/L	20	19.0	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 87592 87593

Parameter	Units	4611134001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	421	100	100	525	517	104	96	70-130	2	20	
Lead	ug/L	<1.0	20	20	20.2	20.4	98	99	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 87595 87596

Parameter	Units	4611134020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	28.7	20	20	47.4	47.6	93	94	70-130	0	20	
Lead	ug/L	<1.0	20	20	20.1	19.7	100	98	70-130	2	20	

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QUALITY CONTROL DATA

Project: DPS Spain
Pace Project No.: 4611134

QC Batch:	21934	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	ICPMS Metals, No Prep
Associated Lab Samples:	4611134021, 4611134022, 4611134023, 4611134024, 4611134025, 4611134026, 4611134027, 4611134028, 4611134029, 4611134030, 4611134031, 4611134032, 4611134033, 4611134034, 4611134035, 4611134036, 4611134037, 4611134038, 4611134039, 4611134040		

METHOD BLANK:	87603	Matrix:	Water
Associated Lab Samples:	4611134021, 4611134022, 4611134023, 4611134024, 4611134025, 4611134026, 4611134027, 4611134028, 4611134029, 4611134030, 4611134031, 4611134032, 4611134033, 4611134034, 4611134035, 4611134036, 4611134037, 4611134038, 4611134039, 4611134040		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.0	1.0	05/02/18 18:06	
Lead	ug/L	<1.0	1.0	05/02/18 18:06	

LABORATORY CONTROL SAMPLE: 87604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	20	20.9	104	85-115	
Lead	ug/L	20	20.9	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 87605 87606

Parameter	Units	4611134021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	416	200	200	595	602	89	93	70-130	1	20	
Lead	ug/L	2.4	20	20	22.1	22.7	98	101	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 87608 87609

Parameter	Units	4611134040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	19.5	20	20	38.6	39.2	95	98	70-130	2	20	
Lead	ug/L	<1.0	20	20	19.9	20.3	99	101	70-130	2	20	

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QUALITY CONTROL DATA

Project: DPS Spain

Pace Project No.: 4611134

QC Batch: 21495

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET

Associated Lab Samples: 4611134005

METHOD BLANK: 85751

Matrix: Water

Associated Lab Samples: 4611134005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<1.0	1.0	05/02/18 11:34	
Lead	ug/L	<1.0	1.0	05/02/18 11:34	

LABORATORY CONTROL SAMPLE: 85752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	49.0	98	85-115	
Lead	ug/L	50	47.5	95	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 85753

85754

Parameter	Units	4611299001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	4.0	50	50	51.6	49.9	95	92	70-130	3	20	
Lead	ug/L	2.5	50	50	51.8	50.8	99	97	70-130	2	20	

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QUALIFIERS

Project: DPS Spain
Pace Project No.: 4611134

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DPS Spain

Pace Project No.: 4611134

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4611134001	1-146-CF-1-FD	EPA 200.8	21932		
4611134002	1-146-CF-1-F	EPA 200.8	21932		
4611134003	1-144-CF-1-FD	EPA 200.8	21932		
4611134004	1-144-CF-1-F	EPA 200.8	21932		
4611134006	1-148-BF-1-F	EPA 200.8	21932		
4611134007	1-148-CF-1-FD	EPA 200.8	21932		
4611134008	1-148-CF-1-F	EPA 200.8	21932		
4611134009	1-142-CF-1-FD	EPA 200.8	21932		
4611134010	1-142-CF-1-F	EPA 200.8	21932		
4611134011	1-K-KF-2-FD	EPA 200.8	21932		
4611134012	1-K-KF-2-F	EPA 200.8	21932		
4611134013	1-K-KF-3-FD	EPA 200.8	21932		
4611134014	1-K-KF-3-F	EPA 200.8	21932		
4611134015	1-K-KF-4-FD	EPA 200.8	21932		
4611134016	1-K-KF-4-F	EPA 200.8	21932		
4611134017	1-K-KF-1-FD	EPA 200.8	21932		
4611134018	1-K-KF-1-F	EPA 200.8	21932		
4611134019	1-A-B-2-FD	EPA 200.8	21932		
4611134020	1-A-B-2-F	EPA 200.8	21932		
4611134021	1-TWM-OF-1-FD	EPA 200.8	21934		
4611134022	1-TWM-OF-1-F	EPA 200.8	21934		
4611134023	1-F-B-1-FD	EPA 200.8	21934		
4611134024	1-F-B-1-F	EPA 200.8	21934		
4611134025	1-F-B-2-FD	EPA 200.8	21934		
4611134026	1-F-B-2-F	EPA 200.8	21934		
4611134027	1-GYM-B-1-FD	EPA 200.8	21934		
4611134028	1-GYM-B-1-F	EPA 200.8	21934		
4611134029	1-GYM-B-2-FD	EPA 200.8	21934		
4611134030	1-GYM-B-2-F	EPA 200.8	21934		
4611134031	1-G-B-1-FD	EPA 200.8	21934		
4611134032	1-G-B-1-F	EPA 200.8	21934		
4611134033	B-F-B-1-FD	EPA 200.8	21934		
4611134034	B-F-B-1-F	EPA 200.8	21934		
4611134035	2-D-B-2-FD	EPA 200.8	21934		
4611134036	2-D-B-2-F	EPA 200.8	21934		
4611134037	3-E-B-1-FD	EPA 200.8	21934		
4611134038	3-E-B-1-F	EPA 200.8	21934		
4611134039	1-127C-CF-1-FD	EPA 200.8	21934		
4611134040	1-127C-CF-1-F	EPA 200.8	21934		
4611134005	1-148-BF-1-FD	EPA 200.8	21495	EPA 200.8	21863

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

WO#: 46111134

Pace Analytical
www.pacelabs.com



Section A

Required Client Information:

Company: ATC Group Services LLC
Address: 45555 Humboldt Drive, Suite 100
Novi, MI 48377
Email To: robert.smith@atcgs.com
Phone: 248-669-5140 Fax: 248-669-5147
Requested Due Date/TAT: 10 days

Section C

Invoice Information:

Report To: Robert Smith
Copy To:
Company Name: ATC Group Services LLC
Address: 45555 Humboldt Drive, Suite 100
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

Section C

Invoice Information:

Report To: Robert Smith
Copy To:
Company Name: ATC Group Services LLC
Address: 45555 Humboldt Drive, Suite 100
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

N-OF-CUSTODY / Analytical Request Document

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

#19356

Page: 1 of 4

ITEM #	Section D Required Client Information		Valid Matrix Codes		Matrix Code (see valid codes to left)		COLLECTED		SAMPLE TEMP AT COLLECTION		Preservatives		Analysis Test		Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Section D Required Client Information	Valid Matrix Codes	Matrix Code (see valid codes to left)	COLLECTED	SAMPLE TEMP AT COLLECTION	Preservatives	Analysis Test	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.							
1	1-146-CF-1-FD	DW	G	4/14/18	9:11											-001
2	1-146-CF-1-F	DW	G	4/14/18	9:12											-002
3	1-144-CF-1-FD	DW	G	4/14/18	9:14											-003
4	1-144-CF-1-F	DW	G	4/14/18	9:15											-004
5	1-148-BF-1-FD	DW	G	4/14/18	9:18											-005
6	1-148-BF-1-F	DW	G	4/14/18	9:20											-006
7	1-148-CF-1-FD	DW	G	4/14/18	9:22											-007
8	1-148-CF-1-F	DW	G	4/14/18	9:22											-008
9	1-142-CF-1-FD	DW	G	4/14/18	9:26											-009
10	1-142-CF-1-F	DW	G	4/14/18	9:26											-010
11	1-K-KF-2-FD	DW	G	4/14/18	9:32											-011
12	1-K-KF-2-FD	DW	G	4/14/18	9:33											-012

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		Robert Smith	4-14-18		Robert Smith	4-19-18	1234	
		Duke	4-19-18	400	Robert Smith	4-19-18	1900	

SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER: Kevin Klais	DATE Signed (MM/DD/YY): 4/17/18
SIGNATURE of SAMPLER: <i>[Signature]</i>			

Temp in °C	Received on	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*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

REGULATORY AGENCY			
☐ NPDES	☐ GROUND WATER	☒	DRINKING WATER
☐ UST	☐ RCRA	☐	OTHER _____
Site Location	MI _____		
STATE:			

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION
	DeGardine	4-19-18		Dum
	Dum	4-19-18	1900	DeGardine/Parr

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Kevin Klais	DATE Signed (MM/DD/YY):
SIGNATURE of SAMPLER:	

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	ATC Group Services LLC	Report To:	Robert Smith	Attention:	Robert Smith
Address:	45555 Humboldt Drive, Suite 100	Copy To:		Company Name:	ATC Group Services LLC
	Novi, MI 48377			Address:	45555 Humboldt Drive, Suite 100
Email To:	robert.smith@atcgs.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	248-669-5140	Project Name:	Drinking Water Test - DPS Spain	Pace Project Manager:	
Requested Due Date/TAT:	10 days	Project Number:	188bs18113	Pace Profile #:	

REGULATORY AGENCY		
☐ NPDES	☐ GROUND WATER	☒ DRINKING WATER
☐ UST	☐ RCRA	☐ OTHER _____
Site Location	MI _____	STATE: _____

[illegible]

SAMPLE RECEIVING / LOG-IN CHECKLIST

Pace Analytical®

Client ATC - DPS Spain
Receipt Record Page/Line # (15-12)

Work Order #: 4611134
001-040

Recorded by (initials/date)

aw 04/19/18

☒ Cooler
☐ Box
☐ Other

Qty Received
1

☒ IR Gun (#202)
Thermometer Used ☐ Digital Thermometer (#54)
☐ IR Gun (#402)

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
<u>Paw 511564</u>	<u>0019</u>							
Custody Seals:		Custody Seals:		Custody Seals:		Custody Seals:		
☒ None		☐ None		☐ None		☐ None		
☐ Present / Intact		☐ Present / Intact		☐ Present / Intact		☐ Present / Intact		
☐ Present / Not Intact		☐ Present / Not Intact		☐ Present / Not Intact		☐ Present / Not Intact		
Coolant Type:		Coolant Type:		Coolant Type:		Coolant Type:		
☐ Loose Ice		☐ Loose Ice		☐ Loose Ice		☐ Loose Ice		
☐ Bagged Ice		☐ Bagged Ice		☐ Bagged Ice		☐ Bagged Ice		
☐ Blue Ice		☐ Blue Ice		☐ Blue Ice		☐ Blue Ice		
☒ None		☐ None		☐ None		☐ None		
Coolant Location:		Coolant Location:		Coolant Location:		Coolant Location:		
Dispersed / Top / Middle / Bottom		Dispersed / Top / Middle / Bottom		Dispersed / Top / Middle / Bottom		Dispersed / Top / Middle / Bottom		
Temp Blank Present: ☐ Yes ☒ No		Temp Blank Present: ☐ Yes ☐ No		Temp Blank Present: ☐ Yes ☐ No		Temp Blank Present: ☐ Yes ☐ No		
If Present, Temperature Blank Location is:		If Present, Temperature Blank Location is:		If Present, Temperature Blank Location is:		If Present, Temperature Blank Location is:		
☐ Representative ☐ Not Representative		☐ Representative ☐ Not Representative		☐ Representative ☐ Not Representative		☐ Representative ☐ Not Representative		
Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	Actual °C	Observed °C	Correction Factor °C	
Temp Blank: <u>0</u>	<u>0</u>	<u>0</u>	Temp Blank:			Temp Blank:		
Sample 1: <u>21.2</u>	<u>0</u>	<u>21.2</u>	Sample 1:			Sample 1:		
Sample 2: <u>21.1</u>	<u>0</u>	<u>21.7</u>	Sample 2:			Sample 2:		
Sample 3: <u>20.9</u>	<u>0</u>	<u>20.9</u>	Sample 3:			Sample 3:		
When above 6 °C take a			When above 6 °C take a			When above 6 °C take a		
3 Sample Average °C: <u>21.1</u>			3 Sample Average °C:			3 Sample Average °C:		
☐ VOC Trip Blank received?			☐ VOC Trip Blank received?			☐ VOC Trip Blank received?		

If any shaded areas checked, complete Sample Receiving Non-Conformance

Paperwork Received

Yes ☒ No ☐ Chain of Custody record(s)? If No, Initiated By _____
Received for Lab Signed/Date/Time? _____
☐ USDA Soil Documents?
☒ Sampling / Field Forms?
☒ Other _____

COC Information

☒ Pace COC ☐ Other _____
COC ID Numbers:

19356, 19357, 19358, 19359

Check COC for Accuracy

Yes ☒ No ☐ Analysis Requested?
☒ Sample ID matches COC?
☒ Sample Date and Time matches COC?
☒ All containers indicated are received?

Sample Condition Summary

N/A ☒ Yes ☐ No ☐
☐ Broken containers/lids?
☐ Missing or incomplete labels?
☐ Illegible information on labels?
☐ Low volume received?
☐ Inappropriate or non-Pace containers received?
☐ VOC vials have headspace?
☐ Extra sample locations?
☐ Containers not listed on COC?

Check Sample Preservation

N/A ☐ Yes ☒ No ☐
☐ Temperature Blank OR average sample temperature, ≥6 °C?
☐ If "Yes" was thermal preservation required?
☒ If "Yes" were ALL samples collected the same day as receipt?
☐ Completed Sample Preservation Verification Form?
☒ Samples chemically preserved correctly?
If "No", add wire tag and fill out Non-Conformance Form?
Received unpreserved Terracore kit?
If "Yes" unpreserved vials must be frozen

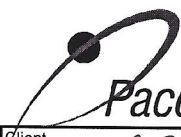
Work Order Not Logged In with Short Hold / Rush

☐ Copies of COC To Lab Areas

Notes

Yes ☒ No ☐
☒ Were all samples logged into Epic?
☒ Were all samples labelled?
☒ Were samples placed on scan locations?

Initial / Date : aw 04/20/18



Pace Analytical®

AQUEOUS SAMPLE PRESERVATION VERIFICATION

Client ATC - DPS Spain		Work Order # 461134
Receipt Log # (15-12)	Completed By (initials/date) aw 04/19/18	

COC ID # 19356 (1/4)										Adjusted by: _____ Date: _____			
Container Type	BP3C or AG3O		BP1-4S		AG2S		BP1-4N Total		BP1-4N Dissolved				
Preservative	NaOH >12		H ₂ SO ₄ <2		H ₂ SO ₄ <2		HNO ₃ <2		HNO ₃ <2				
pH	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	
COC Line #1							✓						
COC Line #2							✓						
COC Line #3							✓						
COC Line #4							✓						
COC Line #5							✓						
COC Line #6							✓						
COC Line #7							✓						
COC Line #8							✓						
COC Line #9							✓						
COC Line #10							✓						
COC Line #11							✓						
COC Line #12							✓						

Comments:

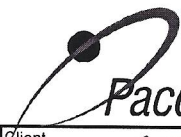
pH Strip Reagent or Lot #
☒ HC727135
☐ Other

Place a check mark in the Received box if pH is acceptable. If pH is not acceptable, document the Received and Adjusted pH values in the appropriate columns (project manager will review all adjustments at work order release). Never add more than 2x the default preservation volume (see table below for default volumes). Complete and attach a wire tag to all adjusted samples. A Sample Receiving Non-Conformance Report must be completed if a pH adjustment was required.

COC ID # 19357 (2/4)										Adjusted by: _____ Date: _____			
Container Type	BP3C or AG3O		BP1-4S		AG2S		BP1-4N Total		BP1-4N Dissolved				
Preservative	NaOH >12		H ₂ SO ₄ <2		H ₂ SO ₄ <2		HNO ₃ <2		HNO ₃ <2				
pH	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	
COC Line #1							✓						
COC Line #2							✓						
COC Line #3							✓						
COC Line #4							✓						
COC Line #5							✓						
COC Line #6							✓						
COC Line #7							✓						
COC Line #8							✓						
COC Line #9							✓						
COC Line #10							✓						
COC Line #11							✓						
COC Line #12							✓						

Comments:

Container Size (mL)	Default Preservative Volume (mL)
Container Types 5 / 23	NaOH
250	1.3
Container Type 4	H ₂ SO ₄
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H ₂ SO ₄
500	2.5
Container Types 6 / 15	HNO ₃
125	0.7
250	1.25
500	2.5
1000	5.0



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AQUEOUS SAMPLE PRESERVATION VERIFICATION

Client ATC - DPS Spain		Work Order # 4611134
Receipt Log # (15-12)	Completed By (initials/date) aw 04/19/18	

COC ID # 19358 (3/4)										Adjusted by: _____ Date: _____			
Container Type	BP3C or AG30		BP1-4S		AG2S		BP1-4N Total		BP1-4N Dissolved				
Preservative	NaOH >12		H ₂ SO ₄ <2		H ₂ SO ₄ <2		HNO ₃ <2		HNO ₃ <2				
pH	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	
COC Line #1							✓						
COC Line #2							✓						
COC Line #3							✓						
COC Line #4							✓						
COC Line #5							✓						
COC Line #6							✓						
COC Line #7							✓						
COC Line #8							✓						
COC Line #9							✓						
COC Line #10							✓						
COC Line #11							✓						
COC Line #12							✓						

pH Strip Reagent or Lot # ☒ HC727135 ☐ Other

Place a check mark in the Received box if pH is acceptable. If pH is not acceptable, document the Received and Adjusted pH values in the appropriate columns (project manager will review all adjustments at work order release). Never add more than 2x the default preservation volume (see table below for default volumes). Complete and attach a wire tag to all adjusted samples. A Sample Receiving Non-Conformance Report must be completed if a pH adjustment was required.

Comments:

COC ID # 19359 (4/4)										Adjusted by: _____ Date: _____			
Container Type	BP3C or AG30		BP1-4S		AG2S		BP1-4N Total		BP1-4N Dissolved				
Preservative	NaOH >12		H ₂ SO ₄ <2		H ₂ SO ₄ <2		HNO ₃ <2		HNO ₃ <2				
pH	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	Received	Adjusted	
COC Line #1							✓						
COC Line #2							✓						
COC Line #3							✓						
COC Line #4							✓						
COC Line #5													
COC Line #6													
COC Line #7													
COC Line #8													
COC Line #9													
COC Line #10													
COC Line #11													
COC Line #12													

Container Size (mL)	Default Preservative Volume (mL)
Container Types 5 / 23	NaOH
250	1.3
Container Type 4	H ₂ SO ₄
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H ₂ SO ₄
500	2.5
Container Types 6 / 15	HNO ₃
125	0.7
250	1.25
500	2.5
1000	5.0

Comments:
