

February 07, 2014

Ms. Erin Savage
Appalachian Voices
171 Grand Blvd.
Boone, NC 28607

RE: Project: Dan Spill Rush 2/4/2014
Pace Project No.: 92188690

Dear Ms. Savage:

Enclosed are the analytical results for sample(s) received by the laboratory on February 05, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,



Lorri Patton
lorri.patton@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Dan Spill Rush 2/4/2014
Pace Project No.: 92188690

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92188690001	Dan Up 01	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A
92188690002	Dan Draper 01	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A
92188690003	Danville Dam 01	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A
92188690004	Dan Draper 02	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A
92188690005	Dan Upsite 2	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A
92188690006	Dan Spill 01	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A
92188690007	Dan Outfall 01	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A
92188690008	Danville 02	EPA 200.7	JMW	28	PASI-A
		EPA 245.1	MTS	1	PASI-A
		SM 2540D	MAB	1	PASI-A

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Dan Up 01		Lab ID: 92188690001	Collected: 02/04/14 00:00	Received: 02/05/14 13:54	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	444 ug/L		100	1	02/05/14 18:45	02/06/14 14:42	7429-90-5	
Antimony	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-36-0	
Arsenic	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:42	7440-38-2	
Barium	23.3 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-39-3	
Beryllium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 14:42	7440-41-7	
Boron	175 ug/L		50.0	1	02/05/14 18:45	02/06/14 14:42	7440-42-8	
Cadmium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 14:42	7440-43-9	
Calcium	7500 ug/L		100	1	02/05/14 18:45	02/06/14 14:42	7440-70-2	
Chromium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-47-3	
Cobalt	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-48-4	
Copper	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-50-8	
Iron	746 ug/L		50.0	1	02/05/14 18:45	02/06/14 14:42	7439-89-6	
Lead	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7439-92-1	
Magnesium	2580 ug/L		100	1	02/05/14 18:45	02/06/14 14:42	7439-95-4	
Manganese	30.8 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7439-96-5	
Molybdenum	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7439-98-7	
Nickel	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-02-0	
Potassium	ND ug/L		5000	1	02/05/14 18:45	02/06/14 14:42	7440-09-7	
Selenium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:42	7782-49-2	
Silicon	7100 ug/L		100	1	02/05/14 18:45	02/06/14 14:42	7440-21-3	
Silver	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-22-4	
Sodium	ND ug/L		5000	1	02/05/14 18:45	02/06/14 14:42	7440-23-5	
Strontium	46.6 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-24-6	
Thallium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:42	7440-28-0	
Tin	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-31-5	
Titanium	20.7 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-32-6	
Vanadium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:42	7440-62-2	
Zinc	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:42	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		0.20	1	02/05/14 17:45	02/05/14 20:29	7439-97-6	
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	15.2 mg/L		5.0	1		02/06/14 02:04		D6,L2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Dan Draper 01		Lab ID: 92188690002	Collected: 02/04/14 01:00	Received: 02/05/14 13:54	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	884 ug/L		100	1	02/05/14 18:45	02/06/14 14:51	7429-90-5	
Antimony	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-36-0	
Arsenic	13.5	ug/L	10.0	1	02/05/14 18:45	02/06/14 14:51	7440-38-2	
Barium	101	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-39-3	
Beryllium	ND	ug/L	1.0	1	02/05/14 18:45	02/06/14 14:51	7440-41-7	
Boron	129	ug/L	50.0	1	02/05/14 18:45	02/06/14 14:51	7440-42-8	
Cadmium	ND	ug/L	1.0	1	02/05/14 18:45	02/06/14 14:51	7440-43-9	
Calcium	7610	ug/L	100	1	02/05/14 18:45	02/06/14 14:51	7440-70-2	
Chromium	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-47-3	
Cobalt	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-48-4	
Copper	6.6	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-50-8	
Iron	904	ug/L	50.0	1	02/05/14 18:45	02/06/14 14:51	7439-89-6	
Lead	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7439-92-1	
Magnesium	2660	ug/L	100	1	02/05/14 18:45	02/06/14 14:51	7439-95-4	
Manganese	58.8	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7439-96-5	
Molybdenum	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7439-98-7	
Nickel	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-02-0	
Potassium	ND	ug/L	5000	1	02/05/14 18:45	02/06/14 14:51	7440-09-7	
Selenium	ND	ug/L	10.0	1	02/05/14 18:45	02/06/14 14:51	7782-49-2	
Silicon	7630	ug/L	100	1	02/05/14 18:45	02/06/14 14:51	7440-21-3	
Silver	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-22-4	
Sodium	5050	ug/L	5000	1	02/05/14 18:45	02/06/14 14:51	7440-23-5	
Strontium	65.7	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-24-6	
Thallium	ND	ug/L	10.0	1	02/05/14 18:45	02/06/14 14:51	7440-28-0	
Tin	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-31-5	
Titanium	53.0	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-32-6	
Vanadium	10.2	ug/L	5.0	1	02/05/14 18:45	02/06/14 14:51	7440-62-2	
Zinc	14.8	ug/L	10.0	1	02/05/14 18:45	02/06/14 14:51	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	0.20	1	02/05/14 17:45	02/05/14 20:37	7439-97-6	
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	367	mg/L	16.7	1		02/06/14 02:04		L2

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Danville Dam 01		Lab ID: 92188690003	Collected: 02/04/14 01:30	Received: 02/05/14 13:54	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	770 ug/L		100	1	02/05/14 18:45	02/06/14 14:55	7429-90-5	
Antimony	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-36-0	
Arsenic	16.5 ug/L		10.0	1	02/05/14 18:45	02/06/14 14:55	7440-38-2	
Barium	83.0 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-39-3	
Beryllium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 14:55	7440-41-7	
Boron	150 ug/L		50.0	1	02/05/14 18:45	02/06/14 14:55	7440-42-8	
Cadmium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 14:55	7440-43-9	
Calcium	8250 ug/L		100	1	02/05/14 18:45	02/06/14 14:55	7440-70-2	
Chromium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-47-3	
Cobalt	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-48-4	
Copper	6.1 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-50-8	
Iron	649 ug/L		50.0	1	02/05/14 18:45	02/06/14 14:55	7439-89-6	
Lead	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7439-92-1	
Magnesium	2730 ug/L		100	1	02/05/14 18:45	02/06/14 14:55	7439-95-4	
Manganese	34.5 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7439-96-5	
Molybdenum	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7439-98-7	
Nickel	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-02-0	
Potassium	ND ug/L		5000	1	02/05/14 18:45	02/06/14 14:55	7440-09-7	
Selenium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:55	7782-49-2	
Silicon	7690 ug/L		100	1	02/05/14 18:45	02/06/14 14:55	7440-21-3	
Silver	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-22-4	
Sodium	5150 ug/L		5000	1	02/05/14 18:45	02/06/14 14:55	7440-23-5	
Strontium	70.9 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-24-6	
Thallium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:55	7440-28-0	
Tin	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-31-5	
Titanium	46.6 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-32-6	
Vanadium	9.2 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:55	7440-62-2	
Zinc	16.6 ug/L		10.0	1	02/05/14 18:45	02/06/14 14:55	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		0.20	1	02/05/14 17:45	02/05/14 20:40	7439-97-6	
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	214 mg/L		12.5	1		02/06/14 02:05		L2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Dan Draper 02		Lab ID: 92188690004	Collected: 02/04/14 08:50	Received: 02/05/14 13:54	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	543 ug/L		100	1	02/05/14 18:45	02/06/14 14:58	7429-90-5	
Antimony	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-36-0	
Arsenic	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:58	7440-38-2	
Barium	50.6 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-39-3	
Beryllium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 14:58	7440-41-7	
Boron	116 ug/L		50.0	1	02/05/14 18:45	02/06/14 14:58	7440-42-8	
Cadmium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 14:58	7440-43-9	
Calcium	7080 ug/L		100	1	02/05/14 18:45	02/06/14 14:58	7440-70-2	
Chromium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-47-3	
Cobalt	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-48-4	
Copper	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-50-8	
Iron	676 ug/L		50.0	1	02/05/14 18:45	02/06/14 14:58	7439-89-6	
Lead	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7439-92-1	
Magnesium	2500 ug/L		100	1	02/05/14 18:45	02/06/14 14:58	7439-95-4	
Manganese	35.2 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7439-96-5	
Molybdenum	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7439-98-7	
Nickel	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-02-0	
Potassium	ND ug/L		5000	1	02/05/14 18:45	02/06/14 14:58	7440-09-7	
Selenium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:58	7782-49-2	
Silicon	7210 ug/L		100	1	02/05/14 18:45	02/06/14 14:58	7440-21-3	
Silver	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-22-4	
Sodium	6000 ug/L		5000	1	02/05/14 18:45	02/06/14 14:58	7440-23-5	
Strontium	52.0 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-24-6	
Thallium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:58	7440-28-0	
Tin	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-31-5	
Titanium	30.1 ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-32-6	
Vanadium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 14:58	7440-62-2	
Zinc	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 14:58	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		0.20	1	02/05/14 17:45	02/05/14 20:42	7439-97-6	
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	138 mg/L		10.0	1		02/06/14 02:05		L2

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Dan Upsite 2	Lab ID: 92188690005	Collected: 02/04/14 10:00	Received: 02/05/14 13:54	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	470 ug/L		100	1	02/05/14 18:45	02/06/14 15:01	7429-90-5	
Antimony	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-36-0	
Arsenic	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:01	7440-38-2	
Barium	24.7 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-39-3	
Beryllium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 15:01	7440-41-7	
Boron	185 ug/L		50.0	1	02/05/14 18:45	02/06/14 15:01	7440-42-8	
Cadmium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 15:01	7440-43-9	
Calcium	7490 ug/L		100	1	02/05/14 18:45	02/06/14 15:01	7440-70-2	
Chromium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-47-3	
Cobalt	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-48-4	
Copper	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-50-8	
Iron	705 ug/L		50.0	1	02/05/14 18:45	02/06/14 15:01	7439-89-6	
Lead	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7439-92-1	
Magnesium	2560 ug/L		100	1	02/05/14 18:45	02/06/14 15:01	7439-95-4	
Manganese	28.8 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7439-96-5	
Molybdenum	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7439-98-7	
Nickel	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-02-0	
Potassium	ND ug/L		5000	1	02/05/14 18:45	02/06/14 15:01	7440-09-7	
Selenium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:01	7782-49-2	
Silicon	7220 ug/L		100	1	02/05/14 18:45	02/06/14 15:01	7440-21-3	
Silver	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-22-4	
Sodium	ND ug/L		5000	1	02/05/14 18:45	02/06/14 15:01	7440-23-5	
Strontium	47.5 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-24-6	
Thallium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:01	7440-28-0	
Tin	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-31-5	
Titanium	18.6 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-32-6	
Vanadium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:01	7440-62-2	
Zinc	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:01	7440-66-6	
245.1 Mercury								
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND ug/L		0.20	1	02/05/14 17:45	02/05/14 20:45	7439-97-6	
2540D Total Suspended Solids								
Analytical Method: SM 2540D								
Total Suspended Solids	22.1 mg/L		3.6	1		02/06/14 02:06		L2

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Dan Spill 01		Lab ID: 9218869006	Collected: 02/04/14 13:40	Received: 02/05/14 13:54	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	3510 ug/L		100	1	02/05/14 18:45	02/06/14 15:13	7429-90-5	
Antimony	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-36-0	
Arsenic	95.1	ug/L	10.0	1	02/05/14 18:45	02/06/14 15:13	7440-38-2	
Barium	425	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-39-3	
Beryllium	1.8	ug/L	1.0	1	02/05/14 18:45	02/06/14 15:13	7440-41-7	
Boron	129	ug/L	50.0	1	02/05/14 18:45	02/06/14 15:13	7440-42-8	
Cadmium	ND	ug/L	1.0	1	02/05/14 18:45	02/06/14 15:13	7440-43-9	
Calcium	11000	ug/L	100	1	02/05/14 18:45	02/06/14 15:13	7440-70-2	
Chromium	12.6	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-47-3	
Cobalt	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-48-4	
Copper	44.8	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-50-8	
Iron	2180	ug/L	50.0	1	02/05/14 18:45	02/06/14 15:13	7439-89-6	
Lead	7.5	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7439-92-1	
Magnesium	3160	ug/L	100	1	02/05/14 18:45	02/06/14 15:13	7439-95-4	
Manganese	110	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7439-96-5	
Molybdenum	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7439-98-7	
Nickel	6.0	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-02-0	
Potassium	ND	ug/L	5000	1	02/05/14 18:45	02/06/14 15:13	7440-09-7	
Selenium	ND	ug/L	10.0	1	02/05/14 18:45	02/06/14 15:13	7782-49-2	
Silicon	10300	ug/L	100	1	02/05/14 18:45	02/06/14 15:13	7440-21-3	
Silver	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-22-4	
Sodium	6120	ug/L	5000	1	02/05/14 18:45	02/06/14 15:13	7440-23-5	
Strontium	172	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-24-6	
Thallium	ND	ug/L	10.0	1	02/05/14 18:45	02/06/14 15:13	7440-28-0	
Tin	ND	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-31-5	
Titanium	194	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-32-6	
Vanadium	46.9	ug/L	5.0	1	02/05/14 18:45	02/06/14 15:13	7440-62-2	
Zinc	31.7	ug/L	10.0	1	02/05/14 18:45	02/06/14 15:13	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND	ug/L	0.20	1	02/05/14 17:45	02/05/14 20:48	7439-97-6	
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	1530	mg/L	50.0	1		02/06/14 02:06		L2

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Dan Outfall 01		Lab ID: 9218869007	Collected: 02/04/14 14:15	Received: 02/05/14 13:54	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	144 ug/L		100	1	02/05/14 18:45	02/06/14 15:16	7429-90-5	
Antimony	6.0 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-36-0	
Arsenic	23.5 ug/L		10.0	1	02/05/14 18:45	02/06/14 15:16	7440-38-2	
Barium	120 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-39-3	
Beryllium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 15:16	7440-41-7	
Boron	199 ug/L		50.0	1	02/05/14 18:45	02/06/14 15:16	7440-42-8	
Cadmium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 15:16	7440-43-9	
Calcium	25100 ug/L		100	1	02/05/14 18:45	02/06/14 15:16	7440-70-2	
Chromium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-47-3	
Cobalt	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-48-4	
Copper	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-50-8	
Iron	451 ug/L		50.0	1	02/05/14 18:45	02/06/14 15:16	7439-89-6	
Lead	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7439-92-1	
Magnesium	6420 ug/L		100	1	02/05/14 18:45	02/06/14 15:16	7439-95-4	
Manganese	70.4 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7439-96-5	
Molybdenum	18.1 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7439-98-7	
Nickel	7.8 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-02-0	
Potassium	5110 ug/L		5000	1	02/05/14 18:45	02/06/14 15:16	7440-09-7	
Selenium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:16	7782-49-2	
Silicon	2250 ug/L		100	1	02/05/14 18:45	02/06/14 15:16	7440-21-3	
Silver	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-22-4	
Sodium	10200 ug/L		5000	1	02/05/14 18:45	02/06/14 15:16	7440-23-5	
Strontium	399 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-24-6	
Thallium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:16	7440-28-0	
Tin	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-31-5	
Titanium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-32-6	
Vanadium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:16	7440-62-2	
Zinc	14.2 ug/L		10.0	1	02/05/14 18:45	02/06/14 15:16	7440-66-6	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1						
Mercury	ND ug/L		0.20	1	02/05/14 17:45	02/05/14 20:56	7439-97-6	
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	3.0 mg/L		2.7	1		02/06/14 02:06		L2

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ANALYTICAL RESULTS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Sample: Danville 02	Lab ID: 92188690008	Collected: 02/04/14 16:25	Received: 02/05/14 13:54	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	877 ug/L		100	1	02/05/14 18:45	02/06/14 15:36	7429-90-5	
Antimony	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-36-0	
Arsenic	15.4 ug/L		10.0	1	02/05/14 18:45	02/06/14 15:36	7440-38-2	
Barium	86.2 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-39-3	
Beryllium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 15:36	7440-41-7	
Boron	141 ug/L		50.0	1	02/05/14 18:45	02/06/14 15:36	7440-42-8	
Cadmium	ND ug/L		1.0	1	02/05/14 18:45	02/06/14 15:36	7440-43-9	
Calcium	7830 ug/L		100	1	02/05/14 18:45	02/06/14 15:36	7440-70-2	
Chromium	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-47-3	
Cobalt	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-48-4	
Copper	7.0 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-50-8	
Iron	721 ug/L		50.0	1	02/05/14 18:45	02/06/14 15:36	7439-89-6	
Lead	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7439-92-1	
Magnesium	2740 ug/L		100	1	02/05/14 18:45	02/06/14 15:36	7439-95-4	
Manganese	27.0 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7439-96-5	
Molybdenum	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7439-98-7	
Nickel	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-02-0	
Potassium	ND ug/L		5000	1	02/05/14 18:45	02/06/14 15:36	7440-09-7	
Selenium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:36	7782-49-2	
Silicon	7590 ug/L		100	1	02/05/14 18:45	02/06/14 15:36	7440-21-3	
Silver	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-22-4	
Sodium	5800 ug/L		5000	1	02/05/14 18:45	02/06/14 15:36	7440-23-5	
Strontium	70.8 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-24-6	
Thallium	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:36	7440-28-0	
Tin	ND ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-31-5	
Titanium	55.0 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-32-6	
Vanadium	11.1 ug/L		5.0	1	02/05/14 18:45	02/06/14 15:36	7440-62-2	
Zinc	ND ug/L		10.0	1	02/05/14 18:45	02/06/14 15:36	7440-66-6	
245.1 Mercury								
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND ug/L		0.20	1	02/05/14 17:45	02/05/14 20:58	7439-97-6	
2540D Total Suspended Solids								
Analytical Method: SM 2540D								
Total Suspended Solids	208 mg/L		12.5	1		02/06/14 02:07		L2

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QUALITY CONTROL DATA

Project: Dan Spill Rush 2/4/2014
 Pace Project No.: 92188690

QC Batch: MERP/6153 Analysis Method: EPA 245.1
 QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
 Associated Lab Samples: 92188690001, 92188690002, 92188690003, 92188690004, 92188690005, 92188690006, 92188690007, 92188690008

METHOD BLANK: 1133610 Matrix: Water
 Associated Lab Samples: 92188690001, 92188690002, 92188690003, 92188690004, 92188690005, 92188690006, 92188690007, 92188690008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	02/05/14 20:24	

LABORATORY CONTROL SAMPLE: 1133611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1133612 1133613

Parameter	Units	92188690001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.5	103	101	70-130	2	

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QUALITY CONTROL DATA

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

QC Batch: MPRP/15192 Analysis Method: EPA 200.7
 QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET
 Associated Lab Samples: 92188690001, 92188690002, 92188690003, 92188690004, 92188690005, 92188690006, 92188690007, 92188690008

METHOD BLANK: 1133739 Matrix: Water
 Associated Lab Samples: 92188690001, 92188690002, 92188690003, 92188690004, 92188690005, 92188690006, 92188690007, 92188690008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	100	02/06/14 15:39	
Antimony	ug/L	ND	5.0	02/06/14 15:39	
Arsenic	ug/L	ND	10.0	02/06/14 15:39	
Barium	ug/L	ND	5.0	02/06/14 15:39	
Beryllium	ug/L	ND	1.0	02/06/14 15:39	
Boron	ug/L	ND	50.0	02/06/14 15:39	
Cadmium	ug/L	ND	1.0	02/06/14 15:39	
Calcium	ug/L	ND	100	02/06/14 15:39	
Chromium	ug/L	ND	5.0	02/06/14 15:39	
Cobalt	ug/L	ND	5.0	02/06/14 15:39	
Copper	ug/L	ND	5.0	02/06/14 15:39	
Iron	ug/L	ND	50.0	02/06/14 15:39	
Lead	ug/L	ND	5.0	02/06/14 15:39	
Magnesium	ug/L	ND	100	02/06/14 15:39	
Manganese	ug/L	ND	5.0	02/06/14 15:39	
Molybdenum	ug/L	ND	5.0	02/06/14 15:39	
Nickel	ug/L	ND	5.0	02/06/14 15:39	
Potassium	ug/L	ND	5000	02/06/14 15:39	
Selenium	ug/L	ND	10.0	02/06/14 15:39	
Silicon	ug/L	ND	100	02/06/14 15:39	
Silver	ug/L	ND	5.0	02/06/14 15:39	
Sodium	ug/L	ND	5000	02/06/14 15:39	
Strontium	ug/L	ND	5.0	02/06/14 15:39	
Thallium	ug/L	ND	10.0	02/06/14 15:39	
Tin	ug/L	ND	5.0	02/06/14 15:39	
Titanium	ug/L	ND	5.0	02/06/14 15:39	
Vanadium	ug/L	ND	5.0	02/06/14 15:39	
Zinc	ug/L	ND	10.0	02/06/14 15:39	

LABORATORY CONTROL SAMPLE: 1133740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4860	97	85-115	
Antimony	ug/L	500	517	103	85-115	
Arsenic	ug/L	500	502	100	85-115	
Barium	ug/L	500	503	101	85-115	
Beryllium	ug/L	500	511	102	85-115	
Boron	ug/L	500	513	103	85-115	
Cadmium	ug/L	500	509	102	85-115	
Calcium	ug/L	5000	4810	96	85-115	

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QUALITY CONTROL DATA

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

LABORATORY CONTROL SAMPLE: 1133740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	500	505	101	85-115	
Cobalt	ug/L	500	505	101	85-115	
Copper	ug/L	500	515	103	85-115	
Iron	ug/L	5000	4820	96	85-115	
Lead	ug/L	500	505	101	85-115	
Magnesium	ug/L	5000	4810	96	85-115	
Manganese	ug/L	500	501	100	85-115	
Molybdenum	ug/L	500	516	103	85-115	
Nickel	ug/L	500	508	102	85-115	
Potassium	ug/L	5000	4850J	97	85-115	
Selenium	ug/L	500	503	101	85-115	
Silicon	ug/L	2500	2570	103	85-115	
Silver	ug/L	250	257	103	85-115	
Sodium	ug/L	5000	4840J	97	85-115	
Strontium	ug/L	500	509	102	85-115	
Thallium	ug/L	500	498	100	85-115	
Tin	ug/L	500	517	103	85-115	
Titanium	ug/L	500	508	102	85-115	
Vanadium	ug/L	500	504	101	85-115	
Zinc	ug/L	500	504	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1133741 1133742

Parameter	Units	92188690001		MS	MSD	MS		MSD		% Rec	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
Aluminum	ug/L	444	5000	5000	5480	5520	101	101	70-130	1		
Antimony	ug/L	ND	500	500	514	518	103	104	70-130	1		
Arsenic	ug/L	ND	500	500	495	497	99	99	70-130	0		
Barium	ug/L	23.3	500	500	528	529	101	101	70-130	0		
Beryllium	ug/L	ND	500	500	509	512	102	102	70-130	1		
Boron	ug/L	175	500	500	683	688	102	103	70-130	1		
Cadmium	ug/L	ND	500	500	504	509	101	102	70-130	1		
Calcium	ug/L	7500	5000	5000	12300	12300	97	96	70-130	0		
Chromium	ug/L	ND	500	500	510	509	102	102	70-130	0		
Cobalt	ug/L	ND	500	500	503	505	101	101	70-130	0		
Copper	ug/L	ND	500	500	505	508	101	102	70-130	1		
Iron	ug/L	746	5000	5000	5540	5550	96	96	70-130	0		
Lead	ug/L	ND	500	500	500	503	100	101	70-130	0		
Magnesium	ug/L	2580	5000	5000	7390	7380	96	96	70-130	0		
Manganese	ug/L	30.8	500	500	531	531	100	100	70-130	0		
Molybdenum	ug/L	ND	500	500	518	521	104	104	70-130	0		
Nickel	ug/L	ND	500	500	503	504	101	101	70-130	0		
Potassium	ug/L	ND	5000	5000	6130	6160	96	97	70-130	1		
Selenium	ug/L	ND	500	500	492	494	98	99	70-130	0		
Silicon	ug/L	7100	2500	2500	9970	9970	115	115	70-130	0		
Silver	ug/L	ND	250	250	254	253	101	101	70-130	0		
Sodium	ug/L	ND	5000	5000	9650	9730	96	98	70-130	1		

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Pace Analytical Services, Inc.
 205 East Meadow Road - Suite A
 Eden, NC 27288
 (336)623-8921

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 9800 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

QUALITY CONTROL DATA

Project: Dan Spill Rush 2/4/2014
 Pace Project No.: 92188690

Parameter	Units	1133741		1133742		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		92188690001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result					
Strontium	ug/L	46.6	500	500	553	558	101	102	70-130	1
Thallium	ug/L	ND	500	500	492	493	98	98	70-130	0
Tin	ug/L	ND	500	500	514	517	103	103	70-130	0
Titanium	ug/L	20.7	500	500	535	533	103	102	70-130	0
Vanadium	ug/L	ND	500	500	506	508	101	102	70-130	0
Zinc	ug/L	ND	500	500	503	502	99	99	70-130	0

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Dan Spill Rush 2/4/2014
 Pace Project No.: 92188690

QC Batch: WET/29407 Analysis Method: SM 2540D
 QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
 Associated Lab Samples: 92188690001, 92188690002, 92188690003, 92188690004, 92188690005, 92188690006, 92188690007, 92188690008

METHOD BLANK: 1133896 Matrix: Water
 Associated Lab Samples: 92188690001, 92188690002, 92188690003, 92188690004, 92188690005, 92188690006, 92188690007, 92188690008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	2.5	02/06/14 02:03	

LABORATORY CONTROL SAMPLE: 1133897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	250	190	76	80-120	L0

SAMPLE DUPLICATE: 1133898

Parameter	Units	92188690001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	15.2	13.0	16	D6

SAMPLE DUPLICATE: 1133899

Parameter	Units	92188800001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	174	158	10	

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QUALIFIERS

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Dan Spill Rush 2/4/2014

Pace Project No.: 92188690

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92188690001	Dan Up 01	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690002	Dan Draper 01	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690003	Danville Dam 01	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690004	Dan Draper 02	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690005	Dan Upsite 2	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690006	Dan Spill 01	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690007	Dan Outfall 01	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690008	Danville 02	EPA 200.7	MPRP/15192	EPA 200.7	ICP/13786
92188690001	Dan Up 01	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690002	Dan Draper 01	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690003	Danville Dam 01	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690004	Dan Draper 02	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690005	Dan Upsite 2	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690006	Dan Spill 01	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690007	Dan Outfall 01	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690008	Danville 02	EPA 245.1	MERP/6153	EPA 245.1	MERC/5934
92188690001	Dan Up 01	SM 2540D	WET/29407		
92188690002	Dan Draper 01	SM 2540D	WET/29407		
92188690003	Danville Dam 01	SM 2540D	WET/29407		
92188690004	Dan Draper 02	SM 2540D	WET/29407		
92188690005	Dan Upsite 2	SM 2540D	WET/29407		
92188690006	Dan Spill 01	SM 2540D	WET/29407		
92188690007	Dan Outfall 01	SM 2540D	WET/29407		
92188690008	Danville 02	SM 2540D	WET/29407		

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

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: **Appalachian Voices** Report To: **Eric Chance** Attention: **Eric Chance**
 Address: **171 Grand Blvd.** Copy To: **Eric Chance** Company Name: **Appalachian Voices**
 Email To: **eric@appvoices.org** Purchase Order No.: **Dan Spill** Address: **171 Grand Blvd, Boone NC 28607**
 Phone: **828-262-1500** Project Name: **Dan Spill** Pace Quote Reference: **171 Grand Blvd, Boone NC 28607**
 Requested Due Date: **02/09/14** Project Number: **1490236** Pace Project Manager: **Eric Chance**
 Requested Analysis Filtered (Y/N): **Y** Site Location STATE: **NC/VA**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol			
1	Dan US 01	NTG			2/4/14 00:30	2										92188690-001
2	Dan Draper 01				01:30	5										92188690-002
3	Dan Draper 01				08:50	5										92188690-003
4	Dan Draper 02				10:00	5										92188690-004
5	Dan US 02				13:40	4										92188690-005
6	Dan Spill 02				14:15	4										92188690-006
7	Dan Spill 01				16:25	4										92188690-007
8	Danville 02															92188690-008
9																
10																
11																
12																

ADDITIONAL COMMENTS **RELINQUISHED BY / AFFILIATION** **DATE** **TIME** **ACCEPTED BY / AFFILIATION** **DATE** **TIME** **SAMPLE CONDITIONS**

ORIGINAL

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **Eric Chance**
 SIGNATURE of SAMPLER: *Eric Chance* **DATE Signed (MM/DD/YYYY)** **02/05/14**

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



Document Name: **Sample Condition Upon Receipt (SCUR)**

Document Revised: June 4, 2013
Page 1 of 2

Document No.:
F-ASV-CS-003-rev.11

Issuing Authorities:
Pace Asheville Quality Office

Client Name: Appalachian Voices

Where Received: Huntersville Asheville Eden Raleigh

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Circle Thermometer Used: IR Gun#3 -130265963 Type of Ice: Wet Blue None Samples on ice, cooling process has begun
IR Gun #2- 80344039

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 4.2 C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: KOB 2/5/2014

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>3 DAY</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>WT</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [Signature] Date: 2/5/14

SRF Review: [Signature] Date: 2/5/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92188690

92188690