

November 18, 2021

John Zbell
Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067

Project Location: Bristol WPCF
Client Job Number:
Project Number: ENG21-0609
Laboratory Work Order Number: 21I0788

Enclosed are results of analyses for samples as received by the laboratory on September 15, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kerry K. McGee
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
2110788-01	5
2110788-02	6
Sample Preparation Information	7
QC Data	8
Semivolatile Organic Compounds by - LC/MS-MS	8
B290608	8
Flag/Qualifier Summary	11
Internal standard Area & RT Summary	12
Certifications	17
Chain of Custody/Sample Receipt	19

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Weston & Sampson
712 Brook Street, Suite 103
Rocky Hill, CT 06067
ATTN: John Zbell

REPORT DATE: 11/18/2021

PURCHASE ORDER NUMBER:

PROJECT NUMBER: ENG21-0609

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 2110788

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Bristol WPCF

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Bristol WPCF- Upstream-09152021	2110788-01	Surface Water		SOP-454 PFAS	
Bristol WPCF- Downstream-09152021	2110788-02	Surface Water		SOP-454 PFAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT 11-18-21: Per client request PFAS results reported to the MDL.

SOP-454 PFAS**Qualifications:****S-29**

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:**M4PFHpA**

B290608-BSD1

M5PFPeA

B290608-BSD1

M6PFDA

B290608-BSD1

M9PFNA

B290608-BSD1

MPFBA

B290608-BSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bristol WPCF

Sample Description:

Work Order: 2110788

Date Received: 9/15/2021

Field Sample #: Bristol WPCF- Upstream-09152021

Sampled: 9/15/2021 16:20

Sample ID: 2110788-01

Sample Matrix: Surface Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	11	3.9	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorobutanesulfonic acid (PFBS)	2.2	11	1.5	ng/L	1	J	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoropentanoic acid (PFPeA)	ND	11	2.1	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorohexanoic acid (PFHxA)	ND	11	2.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
11Cl-PF3OUdS (F53B Minor)	ND	11	3.4	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
9Cl-PF3ONS (F53B Major)	ND	11	2.1	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	11	1.3	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	11	3.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorodecanoic acid (PFDA)	ND	11	2.6	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorododecanoic acid (PFDoA)	ND	11	2.3	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	11	1.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoroheptanesulfonic acid (PFHpS)	ND	11	5.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
N-EtFOSAA	ND	11	3.3	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
N-MeFOSAA	ND	11	4.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorotetradecanoic acid (PFTA)	ND	11	1.9	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorotridecanoic acid (PFTTrDA)	ND	11	1.5	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	11	1.5	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorodecanesulfonic acid (PFDS)	ND	11	1.7	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorooctanesulfonamide (FOSA)	ND	11	2.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorononanesulfonic acid (PFNS)	ND	11	0.89	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	11	1.6	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoro-1-butanefulfonamide (FBSA)	ND	11	1.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorohexanesulfonic acid (PFHxS)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	11	2.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	11	1.9	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoropentanesulfonic acid (PFPeS)	ND	11	1.4	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoroundecanoic acid (PFUnA)	ND	11	2.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	11	1.5	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluoroheptanoic acid (PFHpA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorooctanoic acid (PFOA)	ND	11	3.6	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorooctanesulfonic acid (PFOS)	3.6	11	3.2	ng/L	1	J	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC
Perfluorononanoic acid (PFNA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:29	JFC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bristol WPCF

Sample Description:

Work Order: 2110788

Date Received: 9/15/2021

Field Sample #: Bristol WPCF- Downstream-09152021

Sampled: 9/15/2021 16:30

Sample ID: 2110788-02

Sample Matrix: Surface Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	11	3.9	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorobutanesulfonic acid (PFBS)	2.8	11	1.5	ng/L	1	J	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoropentanoic acid (PFPeA)	4.7	11	2.1	ng/L	1	J	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorohexanoic acid (PFHxA)	4.3	11	2.0	ng/L	1	J	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
11Cl-PF3OUdS (F53B Minor)	ND	11	3.4	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
9Cl-PF3ONS (F53B Major)	ND	11	2.1	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	11	1.3	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	11	3.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorodecanoic acid (PFDA)	ND	11	2.6	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorododecanoic acid (PFDoA)	ND	11	2.3	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	11	1.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoroheptanesulfonic acid (PFHpS)	ND	11	5.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
N-EtFOSAA	ND	11	3.3	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
N-MeFOSAA	ND	11	4.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorotetradecanoic acid (PFTA)	ND	11	1.9	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorotridecanoic acid (PFTTrDA)	ND	11	1.5	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	11	1.5	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorodecanesulfonic acid (PFDS)	ND	11	1.7	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorooctanesulfonamide (FOSA)	ND	11	2.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorononanesulfonic acid (PFNS)	ND	11	0.89	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	11	1.6	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoro-1-butanefulfonamide (FBSA)	ND	11	1.0	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorohexanesulfonic acid (PFHxS)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	11	2.2	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	11	1.9	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoropentanesulfonic acid (PFPeS)	ND	11	1.4	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoroundecanoic acid (PFUnA)	ND	11	1.9	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	11	1.5	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluoroheptanoic acid (PFHpA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorooctanoic acid (PFOA)	4.0	11	3.6	ng/L	1	J	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorooctanesulfonic acid (PFOS)	6.2	11	3.2	ng/L	1	J	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC
Perfluorononanoic acid (PFNA)	ND	11	1.8	ng/L	1	U	SOP-454 PFAS	9/23/21	10/1/21 23:43	JFC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SOP 454-PFAAS Analytical Method: SOP-454 PFAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
2110788-01 [Bristol WPCF- Upstream-09152021]	B290608	47.3	1.00	09/23/21
2110788-02 [Bristol WPCF- Downstream-09152021]	B290608	47.4	1.00	09/23/21

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B290608 - SOP 454-PFAAS
Blank (B290608-BLK1)

Prepared: 09/23/21 Analyzed: 10/01/21

Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L							U
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							U
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							U
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							U
11Cl-PF3OUdS (F53B Minor)	ND	2.0	ng/L							U
9Cl-PF3ONS (F53B Major)	ND	2.0	ng/L							U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L							U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L							U
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L							U
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							U
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	ng/L							U
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L							U
N-EtFOSAA	ND	2.0	ng/L							U
N-MeFOSAA	ND	2.0	ng/L							U
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							U
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							U
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L							U
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L							U
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L							U
Perfluorononanesulfonic acid (PFNS)	ND	2.0	ng/L							U
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	2.0	ng/L							U
Perfluoro-1-butanesulfonamide (FBSA)	ND	2.0	ng/L							U
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							U
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L							U
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L							U
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L							U
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L							U
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L							U
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							U
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							U
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							U
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							U

LCS (B290608-BS1)

Prepared: 09/23/21 Analyzed: 10/01/21

Perfluorobutanoic acid (PFBA)	8.12	2.0	ng/L	9.83	82.6	73-129
Perfluorobutanesulfonic acid (PFBS)	7.38	2.0	ng/L	8.70	84.9	72-130
Perfluoropentanoic acid (PFPeA)	7.96	2.0	ng/L	9.83	81.0	72-129
Perfluorohexanoic acid (PFHxA)	7.97	2.0	ng/L	9.83	81.1	72-129
11Cl-PF3OUdS (F53B Minor)	7.69	2.0	ng/L	9.26	83.0	50-150
9Cl-PF3ONS (F53B Major)	7.85	2.0	ng/L	9.16	85.6	50-150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	7.33	2.0	ng/L	9.26	79.1	50-150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.52	2.0	ng/L	9.83	96.8	50-150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.45	2.0	ng/L	9.44	89.5	67-138
Perfluorodecanoic acid (PFDA)	7.30	2.0	ng/L	9.83	74.3	71-129
Perfluorododecanoic acid (PFDoA)	8.29	2.0	ng/L	9.83	84.3	72-134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	9.39	2.0	ng/L	8.75	107	50-150

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B290608 - SOP 454-PFAAS
LCS (B290608-BS1)

Prepared: 09/23/21 Analyzed: 10/01/21

Perfluoroheptanesulfonic acid (PFHpS)	9.13	2.0	ng/L	9.39		97.2	69-134			
N-EtFOSAA	9.14	2.0	ng/L	9.83		92.9	61-135			
N-MeFOSAA	7.91	2.0	ng/L	9.83		80.5	65-136			
Perfluorotetradecanoic acid (PFTA)	9.72	2.0	ng/L	9.83		98.8	71-132			
Perfluorotridecanoic acid (PFTTrDA)	7.71	2.0	ng/L	9.83		78.5	65-144			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.32	2.0	ng/L	9.19		90.5	63-143			
Perfluorodecanesulfonic acid (PFDS)	7.27	2.0	ng/L	9.49		76.6	53-142			
Perfluorooctanesulfonamide (FOSA)	7.78	2.0	ng/L	9.83		79.1	67-137			
Perfluorononanesulfonic acid (PFNS)	8.20	2.0	ng/L	9.44		86.9	69-127			
Perfluoro-1-hexanesulfonamide (FHxSA)	7.77	2.0	ng/L	9.83		79.0	50-150			
Perfluoro-1-butanefulfonamide (FBSA)	8.89	2.0	ng/L	9.83		90.4	50-150			
Perfluorohexanesulfonic acid (PFHxS)	7.52	2.0	ng/L	8.95		84.0	68-131			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.42	2.0	ng/L	9.83		95.8	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	10.2	2.0	ng/L	9.83		104	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.40	2.0	ng/L	9.34		101	64-140			
Perfluoropentanesulfonic acid (PFPeS)	7.39	2.0	ng/L	9.24		80.0	71-127			
Perfluoroundecanoic acid (PFUnA)	7.88	2.0	ng/L	9.83		80.2	69-133			
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	9.86	2.0	ng/L	9.83		100	50-150			
Perfluoroheptanoic acid (PFHpA)	8.79	2.0	ng/L	9.83		89.4	72-130			
Perfluorooctanoic acid (PFOA)	8.48	2.0	ng/L	9.83		86.2	71-133			
Perfluorooctanesulfonic acid (PFOS)	7.54	2.0	ng/L	9.10		82.9	65-140			
Perfluorononanoic acid (PFNA)	8.57	2.0	ng/L	9.83		87.1	69-130			

LCS Dup (B290608-BS1)

Prepared: 09/23/21 Analyzed: 10/01/21

Perfluorobutanoic acid (PFBA)	7.44	1.9	ng/L	9.72		76.6	73-129	8.70	30	
Perfluorobutanesulfonic acid (PFBS)	6.53	1.9	ng/L	8.60		76.0	72-130	12.2	30	
Perfluoropentanoic acid (PFPeA)	7.13	1.9	ng/L	9.72		73.3	72-129	11.1	30	
Perfluorohexanoic acid (PFHxA)	7.09	1.9	ng/L	9.72		73.0	72-129	11.6	30	
11Cl-PF3OUdS (F53B Minor)	5.88	1.9	ng/L	9.15		64.3	50-150	26.6	30	
9Cl-PF3ONS (F53B Major)	6.82	1.9	ng/L	9.06		75.3	50-150	14.0	30	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	6.33	1.9	ng/L	9.15		69.2	50-150	14.6	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.64	1.9	ng/L	9.72		88.9	50-150	9.74	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	7.46	1.9	ng/L	9.33		79.9	67-138	12.5	30	
Perfluorodecanoic acid (PFDA)	7.47	1.9	ng/L	9.72		76.9	71-129	2.23	30	
Perfluorododecanoic acid (PFDoA)	7.41	1.9	ng/L	9.72		76.3	72-134	11.1	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.30	1.9	ng/L	8.65		96.0	50-150	12.3	30	
Perfluoroheptanesulfonic acid (PFHpS)	7.30	1.9	ng/L	9.28		78.6	69-134	22.3	30	
N-EtFOSAA	8.26	1.9	ng/L	9.72		85.0	61-135	10.1	30	
N-MeFOSAA	8.29	1.9	ng/L	9.72		85.3	65-136	4.61	30	
Perfluorotetradecanoic acid (PFTA)	7.75	1.9	ng/L	9.72		79.8	71-132	22.5	30	
Perfluorotridecanoic acid (PFTTrDA)	6.57	1.9	ng/L	9.72		67.6	65-144	16.1	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	7.74	1.9	ng/L	9.09		85.2	63-143	7.26	30	
Perfluorodecanesulfonic acid (PFDS)	6.51	1.9	ng/L	9.38		69.5	53-142	11.0	30	
Perfluorooctanesulfonamide (FOSA)	6.67	1.9	ng/L	9.72		68.6	67-137	15.3	30	
Perfluorononanesulfonic acid (PFNS)	6.97	1.9	ng/L	9.33		74.7	69-127	16.2	30	
Perfluoro-1-hexanesulfonamide (FHxSA)	6.93	1.9	ng/L	9.72		71.3	50-150	11.4	30	
Perfluoro-1-butanefulfonamide (FBSA)	7.93	1.9	ng/L	9.72		81.6	50-150	11.4	30	
Perfluorohexanesulfonic acid (PFHxS)	6.96	1.9	ng/L	8.84		78.7	68-131	7.78	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.57	1.9	ng/L	9.72		88.2	50-150	9.49	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	9.12	1.9	ng/L	9.72		93.8	50-150	11.2	30	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL
Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B290608 - SOP 454-PFAAS
LCS Dup (B290608-BSD1)

Prepared: 09/23/21 Analyzed: 10/01/21

6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.28	1.9	ng/L	9.23		89.7	64-140	12.7	30	
Perfluoropetanesulfonic acid (PFPeS)	6.77	1.9	ng/L	9.13		74.1	71-127	8.82	30	
Perfluoroundecanoic acid (PFUnA)	7.16	1.9	ng/L	9.72		73.7	69-133	9.58	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.36	1.9	ng/L	9.72		96.3	50-150	5.19	30	
Perfluoroheptanoic acid (PFHpA)	7.76	1.9	ng/L	9.72		79.8	72-130	12.5	30	
Perfluorooctanoic acid (PFOA)	7.15	1.9	ng/L	9.72		73.6	71-133	17.0	30	
Perfluorooctanesulfonic acid (PFOS)	6.85	1.9	ng/L	8.99		76.2	65-140	9.56	30	
Perfluorononanoic acid (PFNA)	7.03	1.9	ng/L	9.72		72.4	69-130	19.6	30	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
S-29	Extracted Internal Standard is outside of control limits.
U	Analyte included in the analysis, but not detected

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY
SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Bristol WPCF- Upstream-09152021 (2110788-01)			Lab File ID: 2110788-01.d			Analyzed: 10/01/21 23:29			
M8FOSA	441932.8	4.052516	350,276.00	4.052516	126	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	104221	2.644867	158,768.00	2.644867	66	50 - 150	0.0000	+/-0.50	
M2PF _{TA}	1581553	4.4191	1,287,406.00	4.4191	123	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	143970.6	3.875067	133,725.00	3.875067	108	50 - 150	0.0000	+/-0.50	
MPFBA	701122.7	1.116633	520,994.00	1.116633	135	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	287301.6	2.954083	239,386.00	2.954083	120	50 - 150	0.0000	+/-0.50	
M6PFDA	950508.2	3.8756	660,659.00	3.8756	144	50 - 150	0.0000	+/-0.50	
M3PFBS	199260.7	2.019367	145,942.00	2.019367	137	50 - 150	0.0000	+/-0.50	
M7PF _{UnA}	1127221	4.025967	915,781.00	4.025967	123	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	77983.1	3.517617	82,933.00	3.517617	94	50 - 150	0.0000	+/-0.50	
M5PF _{PeA}	733145.3	1.8328	532,969.00	1.824517	138	50 - 150	0.0083	+/-0.50	
M5PF _{HxA}	1131151	2.73905	796,939.00	2.73905	142	50 - 150	0.0000	+/-0.50	
M3PF _{HxS}	144489	3.2923	109,216.00	3.2923	132	50 - 150	0.0000	+/-0.50	
M4PF _{HpA}	1030932	3.25995	756,004.00	3.25995	136	50 - 150	0.0000	+/-0.50	
M8PFOA	1026874	3.52615	739,447.00	3.52615	139	50 - 150	0.0000	+/-0.50	
M8PFOS	154588	3.716267	115,350.00	3.716267	134	50 - 150	0.0000	+/-0.50	
M9PFNA	983322.9	3.717267	689,438.00	3.71725	143	50 - 150	0.0000	+/-0.50	
MPF _{DoA}	1243802	4.169267	937,883.00	4.169267	133	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	274782.1	4.03345	219,287.00	4.03345	125	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	311297.3	3.953867	258,551.00	3.953867	120	50 - 150	0.0000	+/-0.50	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY
SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Bristol WPCF- Downstream-09152021 (2110788-02)			Lab File ID: 2110788-02.d			Analyzed: 10/01/21 23:43			
M8FOSA	410979.7	4.052516	350,276.00	4.052516	117	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	109543.3	2.644867	158,768.00	2.644867	69	50 - 150	0.0000	+/-0.50	
M2PF _{TA}	1482567	4.4191	1,287,406.00	4.4191	115	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	127973	3.875067	133,725.00	3.875067	96	50 - 150	0.0000	+/-0.50	
MPF _{BA}	637394.9	1.116633	520,994.00	1.116633	122	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	258334.9	2.954083	239,386.00	2.954083	108	50 - 150	0.0000	+/-0.50	
M6PF _{DA}	904697.8	3.8756	660,659.00	3.8756	137	50 - 150	0.0000	+/-0.50	
M3PF _{BS}	189630.7	2.019367	145,942.00	2.019367	130	50 - 150	0.0000	+/-0.50	
M7PF _{UnA}	1291460	4.025967	915,781.00	4.025967	141	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	78077.44	3.517617	82,933.00	3.517617	94	50 - 150	0.0000	+/-0.50	
M5PF _{PeA}	687336.4	1.824517	532,969.00	1.824517	129	50 - 150	0.0000	+/-0.50	
M5PF _{HxA}	1026555	2.73905	796,939.00	2.73905	129	50 - 150	0.0000	+/-0.50	
M3PF _{HxS}	135521.1	3.2923	109,216.00	3.2923	124	50 - 150	0.0000	+/-0.50	
M4PF _{HpA}	1012197	3.25995	756,004.00	3.25995	134	50 - 150	0.0000	+/-0.50	
M8PF _{OA}	947974.1	3.52615	739,447.00	3.52615	128	50 - 150	0.0000	+/-0.50	
M8PF _{OS}	143228.9	3.716267	115,350.00	3.716267	124	50 - 150	0.0000	+/-0.50	
M9PF _{NA}	856980.1	3.717267	689,438.00	3.717267	124	50 - 150	0.0000	+/-0.50	
MPF _{DoA}	1159365	4.169267	937,883.00	4.169267	124	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	280952.7	4.03345	219,287.00	4.03345	128	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	336965	3.953867	258,551.00	3.953867	130	50 - 150	0.0000	+/-0.50	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY

SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B290608-BLK1)			Lab File ID: B290608-BLK1.d			Analyzed: 10/01/21 22:17			
M8FOSA	396823.8	4.052516	350,276.00	4.052516	113	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	174225.8	2.644867	158,768.00	2.644867	110	50 - 150	0.0000	+/-0.50	
M2PFTA	1507717	4.4191	1,287,406.00	4.4191	117	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	136817.8	3.875067	133,725.00	3.875067	102	50 - 150	0.0000	+/-0.50	
MPFBA	719441.6	1.116633	520,994.00	1.116633	138	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	236747.8	2.9622	239,386.00	2.954083	99	50 - 150	0.0081	+/-0.50	
M6PFDA	922153.4	3.8756	660,659.00	3.8756	140	50 - 150	0.0000	+/-0.50	
M3PFBS	189627.5	2.019367	145,942.00	2.019367	130	50 - 150	0.0000	+/-0.50	
M7PFUnA	1177995	4.025967	915,781.00	4.025967	129	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	113554.6	3.517617	82,933.00	3.517617	137	50 - 150	0.0000	+/-0.50	
M5PFPeA	699376.3	1.8328	532,969.00	1.824517	131	50 - 150	0.0083	+/-0.50	
M5PFHxA	1061317	2.73905	796,939.00	2.73905	133	50 - 150	0.0000	+/-0.50	
M3PFHxS	130789	3.2923	109,216.00	3.2923	120	50 - 150	0.0000	+/-0.50	
M4PFHpA	1010593	3.25995	756,004.00	3.25995	134	50 - 150	0.0000	+/-0.50	
M8PFOA	899328.8	3.52615	739,447.00	3.52615	122	50 - 150	0.0000	+/-0.50	
M8PFOS	147203.1	3.716267	115,350.00	3.716267	128	50 - 150	0.0000	+/-0.50	
M9PFNA	859925.8	3.71725	689,438.00	3.71725	125	50 - 150	0.0000	+/-0.50	
MPFDoA	1084416	4.169267	937,883.00	4.169267	116	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	254844	4.03345	219,287.00	4.03345	116	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	302181.8	3.953867	258,551.00	3.953867	117	50 - 150	0.0000	+/-0.50	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY
SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (B290608-BS1)			Lab File ID: B290608-BS1.d			Analyzed: 10/01/21 22:03			
M8FOSA	441020.5	4.052516	350,276.00	4.052516	126	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	188554.3	2.644867	158,768.00	2.644867	119	50 - 150	0.0000	+/-0.50	
M2PFTA	1578580	4.4191	1,287,406.00	4.4191	123	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	167989.6	3.875067	133,725.00	3.875067	126	50 - 150	0.0000	+/-0.50	
MPFBA	759320.5	1.116633	520,994.00	1.116633	146	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	258847.6	2.9622	239,386.00	2.954083	108	50 - 150	0.0081	+/-0.50	
M6PFDA	993250	3.8756	660,659.00	3.8756	150	50 - 150	0.0000	+/-0.50	
M3PFBS	196564	2.019367	145,942.00	2.019367	135	50 - 150	0.0000	+/-0.50	
M7PFUnA	1272123	4.025967	915,781.00	4.025967	139	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	104268.1	3.517617	82,933.00	3.517617	126	50 - 150	0.0000	+/-0.50	
M5PFPeA	734707.6	1.8328	532,969.00	1.824517	138	50 - 150	0.0083	+/-0.50	
M5PFHxA	1110920	2.73905	796,939.00	2.73905	139	50 - 150	0.0000	+/-0.50	
M3PFHxS	142852.6	3.2923	109,216.00	3.2923	131	50 - 150	0.0000	+/-0.50	
M4PFHpA	1052848	3.25995	756,004.00	3.25995	139	50 - 150	0.0000	+/-0.50	
M8PFOA	969553.5	3.52615	739,447.00	3.52615	131	50 - 150	0.0000	+/-0.50	
M8PFOS	148135.1	3.716267	115,350.00	3.716267	128	50 - 150	0.0000	+/-0.50	
M9PFNA	927709.3	3.717267	689,438.00	3.71725	135	50 - 150	0.0000	+/-0.50	
MPFDoA	1258596	4.169267	937,883.00	4.169267	134	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	270578.4	4.03345	219,287.00	4.03345	123	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	365138.1	3.953867	258,551.00	3.953867	141	50 - 150	0.0000	+/-0.50	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY
SOP-454 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS Dup (B290608-BSD1)			Lab File ID: B290608-BSD1.d			Analyzed: 10/01/21 22:10			
M8FOSA	459739.2	4.052516	350,276.00	4.052516	131	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	201869.8	2.644867	158,768.00	2.644867	127	50 - 150	0.0000	+/-0.50	
M2PF _{TA}	1726250	4.4191	1,287,406.00	4.4191	134	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	177654.7	3.875067	133,725.00	3.875067	133	50 - 150	0.0000	+/-0.50	
MPF _{BA}	813315.6	1.116633	520,994.00	1.116633	156	50 - 150	0.0000	+/-0.50	*
M3HFPO-DA	260451.2	2.954083	239,386.00	2.954083	109	50 - 150	0.0000	+/-0.50	
M6PF _{DA}	1002968	3.8756	660,659.00	3.8756	152	50 - 150	0.0000	+/-0.50	*
M3PF _B S	218787.1	2.019367	145,942.00	2.019367	150	50 - 150	0.0000	+/-0.50	
M7PF _{Un} A	1335168	4.025967	915,781.00	4.025967	146	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	120456.7	3.517617	82,933.00	3.517617	145	50 - 150	0.0000	+/-0.50	
M5PF _{Pe} A	804478.3	1.8328	532,969.00	1.824517	151	50 - 150	0.0083	+/-0.50	*
M5PF _{Hx} A	1195571	2.73905	796,939.00	2.73905	150	50 - 150	0.0000	+/-0.50	
M3PF _{Hx} S	151945.6	3.2923	109,216.00	3.2923	139	50 - 150	0.0000	+/-0.50	
M4PF _{Hp} A	1168423	3.25995	756,004.00	3.25995	155	50 - 150	0.0000	+/-0.50	*
M8PF _{OA}	1094245	3.52615	739,447.00	3.52615	148	50 - 150	0.0000	+/-0.50	
M8PF _{OS}	169393.5	3.716267	115,350.00	3.716267	147	50 - 150	0.0000	+/-0.50	
M9PF _{NA}	1076221	3.717267	689,438.00	3.71725	156	50 - 150	0.0000	+/-0.50	*
MPF _{Do} A	1288002	4.169267	937,883.00	4.169267	137	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	287022.3	4.03345	219,287.00	4.03345	131	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	349376.5	3.953867	258,551.00	3.953867	135	50 - 150	0.0000	+/-0.50	

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SOP-454 PFAS in Water</i>	
Perfluorobutanoic acid (PFBA)	NH-P
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
11Cl-PF3OUdS (F53B Minor)	NH-P
9Cl-PF3ONS (F53B Major)	NH-P
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NH-P
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	NH-P
Perfluoroheptanesulfonic acid (PFHpS)	NH-P
N-EtFOSAA	NH-P
N-MeFOSAA	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH-P
Perfluorodecanesulfonic acid (PFDS)	NH-P
Perfluorooctanesulfonamide (FOSA)	NH-P
Perfluorononanesulfonic acid (PFNS)	NH-P
Perfluoro-1-hexanesulfonamide (FHxSA)	NH-P
Perfluoro-1-butanefulfonamide (FBSA)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluoro-4-oxapentanoic acid (PFMPA)	NH-P
Perfluoro-5-oxahexanoic acid (PFMBA)	NH-P
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH-P
Perfluoropetanesulfonic acid (PFPeS)	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Public Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2021
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2021
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

2110788



Phone: 413-525-2332
Fax: 413-525-6405

Access CDC's and Support Requests

Company Name: Wesley S. Sanderson
Address: 112 Beacon St
Phone: 508 441 1111
Project Name: Wesley S. Sanderson
Project Location: Wesley S. Sanderson
Project Number: Wesley S. Sanderson
Project Manager: Wesley S. Sanderson
Pace Quote Name/Number: Wesley S. Sanderson
Invoice Recipient: Wesley S. Sanderson
Sampled By: Wesley S. Sanderson

7-Day PFAS 10-Day (std) 10-Day Due Date: 3-Day 4-Day 1-Day 2-Day 3-Day 4-Day
Format: PDF EXCEL
Other: Wesley S. Sanderson
CLP Like Data Pkg Required:
Email To: Wesley S. Sanderson
Fax To #: Wesley S. Sanderson

ANALYSIS REQUESTED

Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE
1 <u>DRUGS WPCF - WOODBURY - 09/15/15</u>										
2 <u>DRUGS WPCF - WOODBURY - 09/15/15</u>										

Relinquished by: (signature) [Signature] Date/Time: 9/15/15
Received by: (signature) [Signature] Date/Time: 9/15/15
Relinquished by: (signature) [Signature] Date/Time: 9/15/15
Received by: (signature) [Signature] Date/Time: 9/15/15
Relinquished by: (signature) [Signature] Date/Time: 9/15/15
Received by: (signature) [Signature] Date/Time: 9/15/15
Relinquished by: (signature) [Signature] Date/Time: 9/15/15
Received by: (signature) [Signature] Date/Time: 9/15/15

Client Comments:
Special Requirements:
MA MCP Required
MCP Certification Form Required
CT RCP Required
RCP Certification Form Required
MA State DW Required
PWSID # Wesley S. Sanderson
Project Entity:
Government Municipality
Federal City
City 21 J
Brownfield
MWRA School
MBTA MBTA
WRTA WRTA
Other Chromatogram
 AIHA-LAP, LLC

1 Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

2 Preservation Codes:
I = Ice
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H = High; M = Medium; L = Low; C = Clean; U = Unknown

3 Pace Analytical is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Pace Analytical values your partnership on each project and will try to assist with missing information, but will not be held accountable.

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client WES
 Received By CA Date 9/15/11 Time 1850
 How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____
 Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 2.5
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T
 Are there broken/leaking/loose caps on any samples? F
 Is COC in ink/ Legible? T Were samples received within holding time? T
 Did COC include all pertinent Information? Client T Analysis T Sampler Name T
 Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____
 Is there enough Volume? T
 Is there Headspace where applicable? NA MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F
 Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Flashpoint		Col./Bacteria	2oz Amb/Clear
DI-		Other Glass		Other Plastic	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

