Maxxam
A Bureau Veritas Group Company

Your Project #: PFC
Your C.O.C. #: 603526-02-01

Attention:Tom Cambareri

Cape Cod Comission
Cape Cod Commission
3225 Main Street
Barnstable, MA
USA 02630

Report Date: 2017/05/19
Report #: R4469568
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B785777
Received: 2017/04/28, 14:00

Sample Matrix: Water
Samples Received: 27

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
PFOS and PFOA in water	15	2017/05/08	2017/05/18	CAM SOP-00894	EPA 537 m
PFOS and PFOA in water	12	2017/05/09	2017/05/15	CAM SOP-00894	EPA 537 m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key M Di Grazia Melissa DiGrazia
Supervisor - Environmental Customer Service
19 May 2017 14:45:31

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Stephanie Pollen, Project Manager
Email: SPollen@maxxam.ca
Phone# (905) 817-5700
==========
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Analytics International Corporation o/a Maxxam Analytics 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.maxxam.ca

Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI404			EHI405			EHI406			
Sampling Date		2017/04/24 10:30			2017/04/24 11:40			2017/04/24 12:10			
COC Number		603526-02-01			603526-02-01			603526-02-01			
	UNITS	**PC-39**	**RDL**	**MDL**	**PC-38**	**RDL**	**MDL**	**PC-0**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters											
6:2 Fluorotelomer sulfonate	ug/L	0.012	0.020	0.0032	<0.0032	0.020	0.0032	0.029	0.020	0.0032	4972745
8:2 Fluorotelomer sulfonate	ug/L	<0.0036	0.020	0.0036	<0.0036	0.020	0.0036	<0.0036	0.020	0.0036	4972745
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	4972745
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	4972745
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	4972745
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	4972745
Perfluorobutane Sulfonate (PFBS)	ug/L	0.042	0.020	0.0048	<0.0048	0.020	0.0048	0.041	0.020	0.0048	4972745
Perfluorobutanoic acid	ug/L	0.036	0.020	0.0066	<0.0066	0.020	0.0066	0.054	0.020	0.0066	4972745
Perfluorodecane Sulfonate	ug/L	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	4972745
Perfluorodecanoic Acid (PFDA)	ug/L	0.0079	0.020	0.0040	<0.0040	0.020	0.0040	0.0053	0.020	0.0040	4972745
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	4972745
Perfluoroheptane sulfonate	ug/L	0.029	0.020	0.0048	<0.0048	0.020	0.0048	0.028	0.020	0.0048	4972745
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.064	0.020	0.0033	<0.0033	0.020	0.0033	0.090	0.020	0.0033	4972745
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.32	0.020	0.0034	<0.0034	0.020	0.0034	0.31	0.020	0.0034	4972745
Perfluorohexanoic Acid (PFHxA)	ug/L	0.14	0.020	0.0029	<0.0029	0.020	0.0029	0.22	0.020	0.0029	4972745
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.046	0.020	0.0046	<0.0046	0.020	0.0046	0.058	0.020	0.0046	4972745
Perfluorononanoic Acid (PFNA)	ug/L	0.037	0.020	0.0046	<0.0046	0.020	0.0046	0.048	0.020	0.0046	4972745
Perfluorooctane Sulfonamide (PFOSA)	ug/L	<0.0036	0.020	0.0036	<0.0036	0.020	0.0036	<0.0036	0.020	0.0036	4972745
Perfluorooctane Sulfonate (PFOS)	ug/L	1.2 (1)	0.20	0.026	<0.0026	0.020	0.0026	0.93 (1)	0.20	0.026	4972745
Perfluoropentanoic Acid (PFPeA)	ug/L	0.095	0.020	0.0027	<0.0027	0.020	0.0027	0.16	0.020	0.0027	4972745
Perfluorotetradecanoic Acid	ug/L	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	4972745
Perfluorotridecanoic Acid	ug/L	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	4972745
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.021	0.020	0.0043	<0.0043	0.020	0.0043	0.0080	0.020	0.0043	4972745
Surrogate Recovery (%)											
13C4-Perfluorooctanesulfonate	%	60	N/A	N/A	66	N/A	N/A	86	N/A	N/A	4972745
13C4-Perfluorooctanoic acid	%	77	N/A	N/A	70	N/A	N/A	68	N/A	N/A	4972745
13C8-Perfluorooctane Sulfonamide	%	72	N/A	N/A	65	N/A	N/A	61	N/A	N/A	4972745

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI407			EHI408			EHI409			
Sampling Date		2017/04/24 13:10			2017/04/24 13:15			2017/04/24 13:50			
COC Number		603526-02-01			603526-02-01			603526-02-01			
	UNITS	**PC-26**	**RDL**	**MDL**	**PC-1**	**RDL**	**MDL**	**PC-2**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters											
6:2 Fluorotelomer sulfonate	ug/L	0.045	0.020	0.0032	2.2 (1)	0.40	0.064	0.098	0.020	0.0032	4972745
8:2 Fluorotelomer sulfonate	ug/L	<0.0036	0.020	0.0036	0.32 (2)	0.040	0.0072	0.081	0.020	0.0036	4972745
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	0.020	0.0058	<0.012 (2)	0.040	0.012	<0.0058	0.020	0.0058	4972745
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	0.020	0.0063	<0.013 (2)	0.040	0.013	<0.0063	0.020	0.0063	4972745
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	0.020	0.0041	<0.0082 (2)	0.040	0.0082	<0.0041	0.020	0.0041	4972745
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	0.020	0.0043	<0.0086 (2)	0.040	0.0086	<0.0043	0.020	0.0043	4972745
Perfluorobutane Sulfonate (PFBS)	ug/L	0.018	0.020	0.0048	0.086 (2)	0.040	0.0096	0.034	0.020	0.0048	4972745
Perfluorobutanoic acid	ug/L	0.019	0.020	0.0066	0.13 (2)	0.040	0.013	0.050	0.020	0.0066	4972745
Perfluorodecane Sulfonate	ug/L	<0.0046	0.020	0.0046	<0.0092 (2)	0.040	0.0092	<0.0046	0.020	0.0046	4972745
Perfluorodecanoic Acid (PFDA)	ug/L	<0.0040	0.020	0.0040	0.020 (2)	0.040	0.0080	0.0086	0.020	0.0040	4972745
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	0.020	0.0028	<0.0056 (2)	0.040	0.0056	<0.0028	0.020	0.0028	4972745
Perfluoroheptane sulfonate	ug/L	<0.0048	0.020	0.0048	0.14 (2)	0.040	0.0096	0.024	0.020	0.0048	4972745
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.038	0.020	0.0033	0.30 (2)	0.040	0.0066	0.097	0.020	0.0033	4972745
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.13	0.020	0.0034	2.0 (2)	0.040	0.0068	0.45	0.020	0.0034	4972745
Perfluorohexanoic Acid (PFHxA)	ug/L	0.076	0.020	0.0029	0.64 (2)	0.040	0.0058	0.18	0.020	0.0029	4972745
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.021	0.020	0.0046	0.36 (2)	0.040	0.0092	0.11	0.020	0.0046	4972745
Perfluorononanoic Acid (PFNA)	ug/L	0.039	0.020	0.0046	0.42 (2)	0.040	0.0092	0.042	0.020	0.0046	4972745
Perfluorooctane Sulfonamide (PFOSA)	ug/L	<0.0036	0.020	0.0036	0.018 (2)	0.040	0.0072	0.017	0.020	0.0036	4972745
Perfluorooctane Sulfonate (PFOS)	ug/L	0.38	0.020	0.0026	5.7 (1)	0.40	0.052	2.2 (3)	0.20	0.026	4972745
Perfluoropentanoic Acid (PFPeA)	ug/L	0.061	0.020	0.0027	0.54 (2)	0.040	0.0054	0.15	0.020	0.0027	4972745
Perfluorotetradecanoic Acid	ug/L	<0.0038	0.020	0.0038	<0.0076 (2)	0.040	0.0076	<0.0038	0.020	0.0038	4972745
Perfluorotridecanoic Acid	ug/L	<0.0033	0.020	0.0033	<0.0066 (2)	0.040	0.0066	<0.0033	0.020	0.0033	4972745
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.022	0.020	0.0043	0.16 (2)	0.040	0.0086	0.012	0.020	0.0043	4972745
Surrogate Recovery (%)											
13C4-Perfluorooctanesulfonate	%	84	N/A	N/A	90	N/A	N/A	70	N/A	N/A	4972745
13C4-Perfluorooctanoic acid	%	83	N/A	N/A	102	N/A	N/A	64	N/A	N/A	4972745
13C8-Perfluorooctane Sulfonamide	%	85	N/A	N/A	87	N/A	N/A	67	N/A	N/A	4972745

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 20x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 2x dilution. Detection limit was adjusted accordingly.
(3) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI410			EHI411			EHI412			
Sampling Date		2017/04/24 14:00			2017/04/24 14:50			2017/04/24 15:30			
COC Number		603526-02-01			603526-02-01			603526-02-01			
	UNITS	**PC-3**	**RDL**	**MDL**	**PC-13**	**RDL**	**MDL**	**MW-12I**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters											
6:2 Fluorotelomer sulfonate	ug/L	1.0 (1)	0.20	0.032	0.42	0.020	0.0032	0.088	0.020	0.0032	4972745
8:2 Fluorotelomer sulfonate	ug/L	0.072	0.020	0.0036	0.014	0.020	0.0036	<0.0036	0.020	0.0036	4972745
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	4972745
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	4972745
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	4972745
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	4972745
Perfluorobutane Sulfonate (PFBS)	ug/L	0.23	0.020	0.0048	0.086	0.020	0.0048	<0.0048	0.020	0.0048	4972745
Perfluorobutanoic acid	ug/L	0.25	0.020	0.0066	0.20	0.020	0.0066	0.023	0.020	0.0066	4972745
Perfluorodecane Sulfonate	ug/L	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	4972745
Perfluorodecanoic Acid (PFDA)	ug/L	0.011	0.020	0.0040	0.011	0.020	0.0040	0.0045	0.020	0.0040	4972745
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	4972745
Perfluoroheptane sulfonate	ug/L	0.13	0.020	0.0048	0.069	0.020	0.0048	<0.0048	0.020	0.0048	4972745
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.49	0.020	0.0033	0.20	0.020	0.0033	0.036	0.020	0.0033	4972745
Perfluorohexane Sulfonate (PFHxS)	ug/L	3.3	0.20	0.0034	0.94	0.020	0.0034	0.19	0.020	0.0034	4972745
Perfluorohexanoic Acid (PFHxA)	ug/L	1.0	0.20	0.0029	0.85	0.020	0.0029	0.11	0.020	0.0029	4972745
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.60	0.020	0.0046	0.17	0.020	0.0046	0.036	0.020	0.0046	4972745
Perfluorononanoic Acid (PFNA)	ug/L	0.091	0.020	0.0046	0.17	0.020	0.0046	0.034	0.020	0.0046	4972745
Perfluorooctane Sulfonamide (PFOSA)	ug/L	0.037	0.020	0.0036	0.024	0.020	0.0036	0.20	0.020	0.0036	4972745
Perfluorooctane Sulfonate (PFOS)	ug/L	2.4 (1)	0.20	0.026	2.8 (1)	0.20	0.026	0.49	0.020	0.0026	4972745
Perfluoropentanoic Acid (PFPeA)	ug/L	0.96 (1)	0.20	0.027	1.1 (1)	0.20	0.027	0.13	0.020	0.0027	4972745
Perfluorotetradecanoic Acid	ug/L	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	4972745
Perfluorotridecanoic Acid	ug/L	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	4972745
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.027	0.020	0.0043	0.048	0.020	0.0043	0.024	0.020	0.0043	4972745
Surrogate Recovery (%)											
13C4-Perfluorooctanesulfonate	%	68	N/A	N/A	65	N/A	N/A	62	N/A	N/A	4972745
13C4-Perfluorooctanoic acid	%	57	N/A	N/A	69	N/A	N/A	62	N/A	N/A	4972745
13C8-Perfluorooctane Sulfonamide	%	60	N/A	N/A	64	N/A	N/A	57	N/A	N/A	4972745

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI413			EHI414			EHI415			
Sampling Date		2017/04/25 09:40			2017/04/25 10:20			2017/04/26 13:45			
COC Number		603526-02-01			603526-02-01			603526-02-01			
	UNITS	**MW-6**	**RDL**	**MDL**	**PC-36D**	**RDL**	**MDL**	**MW-15**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters											
6:2 Fluorotelomer sulfonate	ug/L	0.49	0.020	0.0032	0.066	0.020	0.0032	<0.0032	0.020	0.0032	4972745
8:2 Fluorotelomer sulfonate	ug/L	0.017	0.020	0.0036	0.015	0.020	0.0036	<0.0036	0.020	0.0036	4972745
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	4972745
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	4972745
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	4972745
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	4972745
Perfluorobutane Sulfonate (PFBS)	ug/L	0.069	0.020	0.0048	0.070	0.020	0.0048	<0.0048	0.020	0.0048	4972745
Perfluorobutanoic acid	ug/L	0.24	0.020	0.0066	0.087	0.020	0.0066	0.0090	0.020	0.0066	4972745
Perfluorodecane Sulfonate	ug/L	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	4972745
Perfluorodecanoic Acid (PFDA)	ug/L	0.0057	0.020	0.0040	0.0080	0.020	0.0040	<0.0040	0.020	0.0040	4972745
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	4972745
Perfluoroheptane sulfonate	ug/L	0.051	0.020	0.0048	0.047	0.020	0.0048	<0.0048	0.020	0.0048	4972745
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.22	0.020	0.0033	0.15	0.020	0.0033	0.013	0.020	0.0033	4972745
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.86	0.020	0.0034	0.57	0.020	0.0034	0.021	0.020	0.0034	4972745
Perfluorohexanoic Acid (PFHxA)	ug/L	0.90	0.020	0.0029	0.37	0.020	0.0029	0.024	0.020	0.0029	4972745
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.14	0.020	0.0046	0.12	0.020	0.0046	0.027	0.020	0.0046	4972745
Perfluorononanoic Acid (PFNA)	ug/L	0.22	0.020	0.0046	0.081	0.020	0.0046	<0.0046	0.020	0.0046	4972745
Perfluorooctane Sulfonamide (PFOSA)	ug/L	0.017	0.020	0.0036	<0.0036	0.020	0.0036	<0.0036	0.020	0.0036	4972745
Perfluorooctane Sulfonate (PFOS)	ug/L	2.4 (1)	0.20	0.026	2.5 (1)	0.20	0.026	0.019	0.020	0.0026	4972745
Perfluoropentanoic Acid (PFPeA)	ug/L	1.1 (1)	0.20	0.027	0.26	0.020	0.0027	0.028	0.020	0.0027	4972745
Perfluorotetradecanoic Acid	ug/L	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	4972745
Perfluorotridecanoic Acid	ug/L	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	4972745
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.038	0.020	0.0043	0.044	0.020	0.0043	<0.0043	0.020	0.0043	4972745
Surrogate Recovery (%)											
13C4-Perfluorooctanesulfonate	%	69	N/A	N/A	66	N/A	N/A	93	N/A	N/A	4972745
13C4-Perfluorooctanoic acid	%	66	N/A	N/A	72	N/A	N/A	95	N/A	N/A	4972745
13C8-Perfluorooctane Sulfonamide	%	60	N/A	N/A	69	N/A	N/A	87	N/A	N/A	4972745

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI416	EHI417			EHI418			
Sampling Date		2017/04/26 15:00	2017/04/26 14:30			2017/04/27 09:50			
COC Number		603526-02-01	603526-02-01			603526-02-01			
	UNITS	**MW-99I**	**MW-37**	**RDL**	**MDL**	**PC-12**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters									
6:2 Fluorotelomer sulfonate	ug/L	<0.0032	<0.0032	0.020	0.0032	0.24	0.020	0.0032	4972745
8:2 Fluorotelomer sulfonate	ug/L	<0.0036	<0.0036	0.020	0.0036	<0.0036	0.020	0.0036	4972745
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	4972745
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	4972745
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	4972745
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	4972745
Perfluorobutane Sulfonate (PFBS)	ug/L	<0.0048	<0.0048	0.020	0.0048	0.083	0.020	0.0048	4972745
Perfluorobutanoic acid	ug/L	0.011	0.019	0.020	0.0066	0.13	0.020	0.0066	4972745
Perfluorodecane Sulfonate	ug/L	<0.0046	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	4972745
Perfluorodecanoic Acid (PFDA)	ug/L	<0.0040	<0.0040	0.020	0.0040	0.010	0.020	0.0040	4972745
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	4972745
Perfluoroheptane sulfonate	ug/L	<0.0048	<0.0048	0.020	0.0048	0.056	0.020	0.0048	4972745
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.024	0.034	0.020	0.0033	0.18	0.020	0.0033	4972745
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.12	0.073	0.020	0.0034	0.68	0.020	0.0034	4972745
Perfluorohexanoic Acid (PFHxA)	ug/L	0.047	0.062	0.020	0.0029	0.49	0.020	0.0029	4972745
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.018	0.077	0.020	0.0046	0.15	0.020	0.0046	4972745
Perfluorononanoic Acid (PFNA)	ug/L	0.024	0.0086	0.020	0.0046	0.15	0.020	0.0046	4972745
Perfluorooctane Sulfonamide (PFOSA)	ug/L	0.011	<0.0036	0.020	0.0036	0.023	0.020	0.0036	4972745
Perfluorooctane Sulfonate (PFOS)	ug/L	0.24	0.077	0.020	0.0026	1.6 (1)	0.20	0.026	4972745
Perfluoropentanoic Acid (PFPeA)	ug/L	0.040	0.069	0.020	0.0027	0.52	0.020	0.0027	4972745
Perfluorotetradecanoic Acid	ug/L	<0.0038	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	4972745
Perfluorotridecanoic Acid	ug/L	<0.0033	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	4972745
Perfluoroundecanoic Acid (PFUnA)	ug/L	<0.0043	<0.0043	0.020	0.0043	0.032	0.020	0.0043	4972745
Surrogate Recovery (%)									
13C4-Perfluorooctanesulfonate	%	77	64	N/A	N/A	101	N/A	N/A	4972745
13C4-Perfluorooctanoic acid	%	80	68	N/A	N/A	87	N/A	N/A	4972745
13C8-Perfluorooctane Sulfonamide	%	70	63	N/A	N/A	79	N/A	N/A	4972745

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI419			EHI420			EHI421			
Sampling Date		2017/04/27 10:10			2017/04/27 10:45			2017/04/27 11:10			
COC Number		603526-02-01			603526-02-01			603526-02-01			
	UNITS	**PC-19**	**RDL**	**MDL**	**PC-11**	**RDL**	**MDL**	**PC-8**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters											
6:2 Fluorotelomer sulfonate	ug/L	0.12	0.020	0.0032	0.22	0.020	0.0032	2.9 (1)	0.20	0.032	4975192
8:2 Fluorotelomer sulfonate	ug/L	0.0098	0.020	0.0036	0.084	0.020	0.0036	1.2 (1)	0.20	0.036	4975192
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	<0.058 (1)	0.20	0.058	4975192
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	<0.063 (1)	0.20	0.063	4975192
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	<0.041 (1)	0.20	0.041	4975192
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	<0.043 (1)	0.20	0.043	4975192
Perfluorobutane Sulfonate (PFBS)	ug/L	0.095	0.020	0.0048	0.10	0.020	0.0048	0.18 (1)	0.20	0.048	4975192
Perfluorobutanoic acid	ug/L	0.15	0.020	0.0066	0.13	0.020	0.0066	0.14 (1)	0.20	0.066	4975192
Perfluorodecane Sulfonate	ug/L	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	<0.046 (1)	0.20	0.046	4975192
Perfluorodecanoic Acid (PFDA)	ug/L	0.0098	0.020	0.0040	0.013	0.020	0.0040	0.074 (1)	0.20	0.040	4975192
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	<0.028 (1)	0.20	0.028	4975192
Perfluoroheptane sulfonate	ug/L	0.046	0.020	0.0048	0.072	0.020	0.0048	0.56 (1)	0.20	0.048	4975192
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.20	0.020	0.0033	0.27	0.020	0.0033	0.26 (1)	0.20	0.033	4975192
Perfluorohexane Sulfonate (PFHxS)	ug/L	1.2 (2)	0.20	0.034	0.94	0.020	0.0034	3.5 (1)	0.20	0.034	4975192
Perfluorohexanoic Acid (PFHxA)	ug/L	0.46	0.020	0.0029	0.51	0.020	0.0029	1.1 (1)	0.20	0.029	4975192
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.29	0.020	0.0046	0.25	0.020	0.0046	0.52 (1)	0.20	0.046	4975192
Perfluorononanoic Acid (PFNA)	ug/L	0.13	0.020	0.0046	0.12	0.020	0.0046	0.26 (1)	0.20	0.046	4975192
Perfluorooctane Sulfonamide (PFOSA)	ug/L	0.022	0.020	0.0036	0.053	0.020	0.0036	<0.036 (1)	0.20	0.036	4975192
Perfluorooctane Sulfonate (PFOS)	ug/L	2.0 (2)	0.20	0.026	3.6 (2)	0.20	0.0026	36 (3)	2.0	0.26	4975192
Perfluoropentanoic Acid (PFPeA)	ug/L	0.36	0.020	0.0027	0.48	0.020	0.0027	0.61 (1)	0.20	0.027	4975192
Perfluorotetradecanoic Acid	ug/L	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	<0.038 (1)	0.20	0.038	4975192
Perfluorotridecanoic Acid	ug/L	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	<0.033 (1)	0.20	0.033	4975192
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.0073	0.020	0.0043	0.025	0.020	0.0043	0.49 (1)	0.20	0.043	4975192
Surrogate Recovery (%)											
13C4-Perfluorooctanesulfonate	%	107	N/A	N/A	111	N/A	N/A	109	N/A	N/A	4975192
13C4-Perfluorooctanoic acid	%	81	N/A	N/A	96	N/A	N/A	102	N/A	N/A	4975192
13C8-Perfluorooctane Sulfonamide	%	94	N/A	N/A	100	N/A	N/A	103	N/A	N/A	4975192

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analytes, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(3) Due to high concentration of the target analytes, sample required 100x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI422		EHI423			EHI424			
Sampling Date		2017/04/27 11:30		2017/04/27 11:35			2017/04/27 12:30			
COC Number		603526-02-01		603526-02-01			603526-02-01			
	UNITS	**PC-6A**	**QC Batch**	**PC-7**	**RDL**	**MDL**	**PC-31**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters										
6:2 Fluorotelomer sulfonate	ug/L	0.15	4975192	0.059	0.020	0.0032	0.88 (1)	0.20	0.032	4975199
8:2 Fluorotelomer sulfonate	ug/L	0.017	4975192	0.019	0.020	0.0036	0.39 (1)	0.20	0.036	4975199
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	4975192	<0.0058	0.020	0.0058	<0.058 (1)	0.20	0.058	4975199
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	4975192	<0.0063	0.020	0.0063	<0.063 (1)	0.20	0.063	4975199
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	4975192	<0.0041	0.020	0.0041	<0.041 (1)	0.20	0.041	4975199
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	4975192	<0.0043	0.020	0.0043	<0.043 (1)	0.20	0.043	4975199
Perfluorobutane Sulfonate (PFBS)	ug/L	0.068	4975192	0.058	0.020	0.0048	0.099 (1)	0.20	0.048	4975199
Perfluorobutanoic acid	ug/L	0.092	4975192	0.065	0.020	0.0066	<0.066 (1)	0.20	0.066	4975199
Perfluorodecane Sulfonate	ug/L	<0.0046	4975192	<0.0046	0.020	0.0046	<0.046 (1)	0.20	0.046	4975199
Perfluorodecanoic Acid (PFDA)	ug/L	0.022	4975192	0.013	0.020	0.0040	<0.040 (1)	0.20	0.040	4975199
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	4975192	<0.0028	0.020	0.0028	<0.028 (1)	0.20	0.028	4975199
Perfluoroheptane sulfonate	ug/L	0.048	4975192	0.042	0.020	0.0048	0.26 (1)	0.20	0.048	4975199
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.18	4975192	0.14	0.020	0.0033	0.12 (1)	0.20	0.033	4975199
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.54	4975192	0.54	0.020	0.0034	1.6 (1)	0.20	0.034	4975199
Perfluorohexanoic Acid (PFHxA)	ug/L	0.41	4975192	0.36	0.020	0.0029	0.37 (1)	0.20	0.029	4975199
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.15	4975192	0.13	0.020	0.0046	0.16 (1)	0.20	0.046	4975199
Perfluorononanoic Acid (PFNA)	ug/L	0.16	4975192	0.11	0.020	0.0046	0.10 (1)	0.20	0.046	4975199
Perfluorooctane Sulfonamide (PFOSA)	ug/L	<0.0036	4975192	<0.0036	0.020	0.0036	<0.036 (1)	0.20	0.036	4975199
Perfluorooctane Sulfonate (PFOS)	ug/L	3.2 (1)	4975192	2.9 (1)	0.20	0.026	12 (2)	1.0	0.13	4975199
Perfluoropentanoic Acid (PFPeA)	ug/L	0.29	4975192	0.27	0.020	0.0027	0.23 (1)	0.20	0.027	4975199
Perfluorotetradecanoic Acid	ug/L	<0.0038	4975192	<0.0038	0.020	0.0038	<0.038 (1)	0.20	0.038	4975199
Perfluorotridecanoic Acid	ug/L	<0.0033	4975192	<0.0033	0.020	0.0033	<0.033 (1)	0.20	0.033	4975199
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.036	4975192	0.031	0.020	0.0043	0.24 (1)	0.20	0.043	4975199
Surrogate Recovery (%)										
13C4-Perfluorooctanesulfonate	%	105	4975192	84	N/A	N/A	99	N/A	N/A	4975199
13C4-Perfluorooctanoic acid	%	83	4975192	85	N/A	N/A	92	N/A	N/A	4975199
13C8-Perfluorooctane Sulfonamide	%	70	4975192	74	N/A	N/A	73	N/A	N/A	4975199

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.
(2) Due to high concentration of the target analyte, sample required 50x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI425			EHI426	EHI427	EHI428			
Sampling Date		2017/04/27 13:10			2017/04/27 13:15	2017/04/27 13:55	2017/04/27 13:55			
COC Number		603526-02-01			603526-02-01	603526-02-01	603526-02-01			
	UNITS	**PC-33**	**RDL**	**MDL**	**PC-32**	**PC-16D**	**PC-17**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters										
6:2 Fluorotelomer sulfonate	ug/L	0.12	0.020	0.0032	0.041	0.0093	<0.0032	0.020	0.0032	4975199
8:2 Fluorotelomer sulfonate	ug/L	0.019	0.020	0.0036	0.012	<0.0036	<0.0036	0.020	0.0036	4975199
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	0.020	0.0058	<0.0058	<0.0058	<0.0058	0.020	0.0058	4975199
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	0.020	0.0063	<0.0063	<0.0063	<0.0063	0.020	0.0063	4975199
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	0.020	0.0041	<0.0041	<0.0041	<0.0041	0.020	0.0041	4975199
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	0.020	0.0043	<0.0043	<0.0043	<0.0043	0.020	0.0043	4975199
Perfluorobutane Sulfonate (PFBS)	ug/L	0.075	0.020	0.0048	0.029	0.019	0.015	0.020	0.0048	4975199
Perfluorobutanoic acid	ug/L	0.11	0.020	0.0066	0.020	0.014	0.0069	0.020	0.0066	4975199
Perfluorodecane Sulfonate	ug/L	<0.0046	0.020	0.0046	<0.0046	<0.0046	<0.0046	0.020	0.0046	4975199
Perfluorodecanoic Acid (PFDA)	ug/L	0.012	0.020	0.0040	0.0074	0.0045	<0.0040	0.020	0.0040	4975199
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	0.020	0.0028	<0.0028	<0.0028	<0.0028	0.020	0.0028	4975199
Perfluoroheptane sulfonate	ug/L	0.061	0.020	0.0048	0.026	0.013	0.0095	0.020	0.0048	4975199
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.19	0.020	0.0033	0.049	0.029	0.022	0.020	0.0033	4975199
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.90	0.020	0.0034	0.27	0.14	0.12	0.020	0.0034	4975199
Perfluorohexanoic Acid (PFHxA)	ug/L	0.38	0.020	0.0029	0.14	0.071	0.055	0.020	0.0029	4975199
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.21	0.020	0.0046	0.054	0.020	0.019	0.020	0.0046	4975199
Perfluorononanoic Acid (PFNA)	ug/L	0.10	0.020	0.0046	0.041	0.027	0.024	0.020	0.0046	4975199
Perfluorooctane Sulfonamide (PFOSA)	ug/L	0.025	0.020	0.0036	0.34	0.013	<0.0036	0.020	0.0036	4975199
Perfluorooctane Sulfonate (PFOS)	ug/L	2.1 (1)	0.20	0.026	0.96	0.39	0.33	0.020	0.0026	4975199
Perfluoropentanoic Acid (PFPeA)	ug/L	0.38	0.020	0.0027	0.079	0.048	0.033	0.020	0.0027	4975199
Perfluorotetradecanoic Acid	ug/L	<0.0038	0.020	0.0038	<0.0038	<0.0038	<0.0038	0.020	0.0038	4975199
Perfluorotridecanoic Acid	ug/L	<0.0033	0.020	0.0033	<0.0033	<0.0033	<0.0033	0.020	0.0033	4975199
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.011	0.020	0.0043	0.019	0.0055	<0.0043	0.020	0.0043	4975199
Surrogate Recovery (%)										
13C4-Perfluorooctanesulfonate	%	90	N/A	N/A	97	91	99	N/A	N/A	4975199
13C4-Perfluorooctanoic acid	%	77	N/A	N/A	90	97	87	N/A	N/A	4975199
13C8-Perfluorooctane Sulfonamide	%	75	N/A	N/A	73	65	70	N/A	N/A	4975199

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

RESULTS OF ANALYSES OF WATER

Maxxam ID		EHI429			EHI430			
Sampling Date		2017/04/27 15:00			2017/04/27 15:00			
COC Number		603526-02-01			603526-02-01			
	UNITS	**PC-18**	**RDL**	**MDL**	**PC-30**	**RDL**	**MDL**	**QC Batch**
Miscellaneous Parameters								
6:2 Fluorotelomer sulfonate	ug/L	0.095	0.020	0.0032	0.16	0.020	0.0032	4975199
8:2 Fluorotelomer sulfonate	ug/L	<0.0036	0.020	0.0036	0.016	0.020	0.0036	4975199
N-ethylperfluorooctane sulfonamide	ug/L	<0.0058	0.020	0.0058	<0.0058	0.020	0.0058	4975199
N-ethylperfluorooctane sulfonamidoe	ug/L	<0.0063	0.020	0.0063	<0.0063	0.020	0.0063	4975199
N-methylperfluorooctane sulfonamide	ug/L	<0.0041	0.020	0.0041	<0.0041	0.020	0.0041	4975199
N-methylperfluorooctanesulfonamidol	ug/L	<0.0043	0.020	0.0043	<0.0043	0.020	0.0043	4975199
Perfluorobutane Sulfonate (PFBS)	ug/L	0.035	0.020	0.0048	0.063	0.020	0.0048	4975199
Perfluorobutanoic acid	ug/L	0.029	0.020	0.0066	0.063	0.020	0.0066	4975199
Perfluorodecane Sulfonate	ug/L	<0.0046	0.020	0.0046	<0.0046	0.020	0.0046	4975199
Perfluorodecanoic Acid (PFDA)	ug/L	0.0051	0.020	0.0040	0.0095	0.020	0.0040	4975199
Perfluorododecanoic Acid (PFDoA)	ug/L	<0.0028	0.020	0.0028	<0.0028	0.020	0.0028	4975199
Perfluoroheptane sulfonate	ug/L	0.019	0.020	0.0048	0.075	0.020	0.0048	4975199
Perfluoroheptanoic Acid (PFHpA)	ug/L	0.076	0.020	0.0033	0.18	0.020	0.0033	4975199
Perfluorohexane Sulfonate (PFHxS)	ug/L	0.21	0.020	0.0034	0.50	0.020	0.0034	4975199
Perfluorohexanoic Acid (PFHxA)	ug/L	0.18	0.020	0.0029	0.39	0.020	0.0029	4975199
Perfluoro-n-Octanoic Acid (PFOA)	ug/L	0.053	0.020	0.0046	0.12	0.020	0.0046	4975199
Perfluorononanoic Acid (PFNA)	ug/L	0.058	0.020	0.0046	0.11	0.020	0.0046	4975199
Perfluorooctane Sulfonamide (PFOSA)	ug/L	0.0087	0.020	0.0036	0.0064	0.020	0.0036	4975199
Perfluorooctane Sulfonate (PFOS)	ug/L	0.58	0.020	0.0026	2.5 (1)	0.20	0.026	4975199
Perfluoropentanoic Acid (PFPeA)	ug/L	0.13	0.020	0.0027	0.24	0.020	0.0027	4975199
Perfluorotetradecanoic Acid	ug/L	<0.0038	0.020	0.0038	<0.0038	0.020	0.0038	4975199
Perfluorotridecanoic Acid	ug/L	<0.0033	0.020	0.0033	<0.0033	0.020	0.0033	4975199
Perfluoroundecanoic Acid (PFUnA)	ug/L	0.0078	0.020	0.0043	0.035	0.020	0.0043	4975199
Surrogate Recovery (%)								
13C4-Perfluorooctanesulfonate	%	90	N/A	N/A	92	N/A	N/A	4975199
13C4-Perfluorooctanoic acid	%	84	N/A	N/A	83	N/A	N/A	4975199
13C8-Perfluorooctane Sulfonamide	%	79	N/A	N/A	81	N/A	N/A	4975199

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable
(1) Due to high concentration of the target analyte, sample required 10x dilution. Detection limit was adjusted accordingly.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

TEST SUMMARY

Maxxam ID: EHI404 **Collected:** 2017/04/24
Sample ID: PC-39 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI405 **Collected:** 2017/04/24
Sample ID: PC-38 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI406 **Collected:** 2017/04/24
Sample ID: PC-0 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI407 **Collected:** 2017/04/24
Sample ID: PC-26 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI408 **Collected:** 2017/04/24
Sample ID: PC-1 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI409 **Collected:** 2017/04/24
Sample ID: PC-2 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI410 **Collected:** 2017/04/24
Sample ID: PC-3 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

TEST SUMMARY

Maxxam ID: EHI411 **Collected:** 2017/04/24
Sample ID: PC-13 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI412 **Collected:** 2017/04/24
Sample ID: MW-12I **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI413 **Collected:** 2017/04/25
Sample ID: MW-6 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI414 **Collected:** 2017/04/25
Sample ID: PC-36D **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI415 **Collected:** 2017/04/26
Sample ID: MW-15 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI416 **Collected:** 2017/04/26
Sample ID: MW-99I **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI417 **Collected:** 2017/04/26
Sample ID: MW-37 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

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Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

TEST SUMMARY

Maxxam ID: EHI418 **Collected:** 2017/04/27
Sample ID: PC-12 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4972745	2017/05/08	2017/05/18	Anjan Desai

Maxxam ID: EHI419 **Collected:** 2017/04/27
Sample ID: PC-19 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975192	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI420 **Collected:** 2017/04/27
Sample ID: PC-11 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975192	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI421 **Collected:** 2017/04/27
Sample ID: PC-8 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975192	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI422 **Collected:** 2017/04/27
Sample ID: PC-6A **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975192	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI423 **Collected:** 2017/04/27
Sample ID: PC-7 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI424 **Collected:** 2017/04/27
Sample ID: PC-31 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

TEST SUMMARY

Maxxam ID: EHI425 **Collected:** 2017/04/27
Sample ID: PC-33 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI426 **Collected:** 2017/04/27
Sample ID: PC-32 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI427 **Collected:** 2017/04/27
Sample ID: PC-16D **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI428 **Collected:** 2017/04/27
Sample ID: PC-17 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI429 **Collected:** 2017/04/27
Sample ID: PC-18 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

Maxxam ID: EHI430 **Collected:** 2017/04/27
Sample ID: PC-30 **Shipped:**
Matrix: Water **Received:** 2017/04/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PFOS and PFOA in water	LCMS	4975199	2017/05/09	2017/05/15	Daniela Zupu

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GENERAL COMMENTS

Results relate only to the items tested.

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
4972745	AD9	Spiked Blank	13C4-Perfluorooctanesulfonate	2017/05/18		99	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/18		106	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/18		95	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/18		109	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/18		95	%	70 - 130
			N-ethylperfluorooctane sulfonamide	2017/05/18		95	%	70 - 130
			N-ethylperfluorooctane sulfonamidoe	2017/05/18		108	%	70 - 130
			N-methylperfluorooctane sulfonamide	2017/05/18		99	%	70 - 130
			N-methylperfluorooctanesulfonamidol	2017/05/18		96	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/18		108	%	70 - 130
			Perfluorobutanoic acid	2017/05/18		102	%	70 - 130
			Perfluorodecane Sulfonate	2017/05/18		88	%	70 - 130
			Perfluoroheptane sulfonate	2017/05/18		97	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/18		101	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/18		103	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/18		99	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/18		97	%	70 - 130
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/18		97	%	70 - 130
			Perfluoropentanoic Acid (PFPeA)	2017/05/18		102	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/18		101	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/18		102	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/18		97	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/18		95	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/18		97	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/18		97	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/18		104	%	70 - 130
4972745	AD9	Spiked Blank DUP	13C4-Perfluorooctanesulfonate	2017/05/18		90	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/18		95	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/18		95	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/18		94	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/18		108	%	70 - 130
			N-ethylperfluorooctane sulfonamide	2017/05/18		102	%	70 - 130
			N-ethylperfluorooctane sulfonamidoe	2017/05/18		107	%	70 - 130
			N-methylperfluorooctane sulfonamide	2017/05/18		105	%	70 - 130
			N-methylperfluorooctanesulfonamidol	2017/05/18		101	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/18		94	%	70 - 130
			Perfluorobutanoic acid	2017/05/18		103	%	70 - 130
			Perfluorodecane Sulfonate	2017/05/18		92	%	70 - 130
			Perfluoroheptane sulfonate	2017/05/18		104	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/18		101	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/18		92	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/18		101	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/18		105	%	70 - 130
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/18		92	%	70 - 130
			Perfluoropentanoic Acid (PFPeA)	2017/05/18		102	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/18		99	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/18		100	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/18		95	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/18		101	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/18		102	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/18		93	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/18		99	%	70 - 130
4972745	AD9	RPD	6:2 Fluorotelomer sulfonate	2017/05/18	15		%	30
			8:2 Fluorotelomer sulfonate	2017/05/18	13		%	30
			N-ethylperfluorooctane sulfonamide	2017/05/18	7.0		%	30

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			N-ethylperfluorooctane sulfonamidoe	2017/05/18	1.3		%	30
			N-methylperfluorooctane sulfonamide	2017/05/18	5.3		%	30
			N-methylperfluorooctanesulfonamidol	2017/05/18	5.1		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/05/18	13		%	30
			Perfluorobutanoic acid	2017/05/18	1.5		%	30
			Perfluorodecane Sulfonate	2017/05/18	4.1		%	30
			Perfluoroheptane sulfonate	2017/05/18	7.0		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/05/18	0.59		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/05/18	11		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/05/18	1.7		%	30
			Perfluorononanoic Acid (PFNA)	2017/05/18	8.0		%	30
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/18	5.0		%	30
			Perfluoropentanoic Acid (PFPeA)	2017/05/18	0.15		%	30
			Perfluorotetradecanoic Acid	2017/05/18	1.5		%	30
			Perfluorotridecanoic Acid	2017/05/18	1.9		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/05/18	1.9		%	30
			Perfluorodecanoic Acid (PFDA)	2017/05/18	6.9		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/05/18	4.7		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/18	4.3		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/05/18	4.9		%	30
4972745	AD9	Method Blank	13C4-Perfluorooctanesulfonate	2017/05/18		78	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/18		84	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/18		83	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/18	<0.0032		ug/L	
			8:2 Fluorotelomer sulfonate	2017/05/18	<0.0036		ug/L	
			N-ethylperfluorooctane sulfonamide	2017/05/18	<0.0058		ug/L	
			N-ethylperfluorooctane sulfonamidoe	2017/05/18	<0.0063		ug/L	
			N-methylperfluorooctane sulfonamide	2017/05/18	<0.0041		ug/L	
			N-methylperfluorooctanesulfonamidol	2017/05/18	<0.0043		ug/L	
			Perfluorobutane Sulfonate (PFBS)	2017/05/18	<0.0048		ug/L	
			Perfluorobutanoic acid	2017/05/18	<0.0066		ug/L	
			Perfluorodecane Sulfonate	2017/05/18	<0.0046		ug/L	
			Perfluoroheptane sulfonate	2017/05/18	<0.0048		ug/L	
			Perfluoroheptanoic Acid (PFHpA)	2017/05/18	<0.0033		ug/L	
			Perfluorohexane Sulfonate (PFHxS)	2017/05/18	<0.0034		ug/L	
			Perfluorohexanoic Acid (PFHxA)	2017/05/18	<0.0029		ug/L	
			Perfluorononanoic Acid (PFNA)	2017/05/18	<0.0046		ug/L	
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/18	<0.0036		ug/L	
			Perfluoropentanoic Acid (PFPeA)	2017/05/18	<0.0027		ug/L	
			Perfluorotetradecanoic Acid	2017/05/18	<0.0038		ug/L	
			Perfluorotridecanoic Acid	2017/05/18	<0.0033		ug/L	
			Perfluoroundecanoic Acid (PFUnA)	2017/05/18	<0.0043		ug/L	
			Perfluorodecanoic Acid (PFDA)	2017/05/18	<0.0040		ug/L	
			Perfluorododecanoic Acid (PFDoA)	2017/05/18	<0.0028		ug/L	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/18	<0.0046		ug/L	
			Perfluorooctane Sulfonate (PFOS)	2017/05/18	<0.0026		ug/L	
4975192	DZU	Spiked Blank	13C4-Perfluorooctanesulfonate	2017/05/15		79	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/15		82	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/15		82	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/15		77	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/15		101	%	70 - 130
			N-ethylperfluorooctane sulfonamide	2017/05/15		96	%	70 - 130
			N-ethylperfluorooctane sulfonamidoe	2017/05/15		92	%	70 - 130
			N-methylperfluorooctane sulfonamide	2017/05/15		91	%	70 - 130
			N-methylperfluorooctanesulfonamidol	2017/05/15		120	%	70 - 130

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorobutane Sulfonate (PFBS)	2017/05/15		95	%	70 - 130
			Perfluorobutanoic acid	2017/05/15		83	%	70 - 130
			Perfluorodecane Sulfonate	2017/05/15		79	%	70 - 130
			Perfluoroheptane sulfonate	2017/05/15		85	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15		98	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15		93	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/15		110	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/15		104	%	70 - 130
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15		100	%	70 - 130
			Perfluoropentanoic Acid (PFPeA)	2017/05/15		106	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/15		92	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/15		110	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15		117	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/15		89	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/15		99	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15		104	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/15		106	%	70 - 130
4975192	DZU	Spiked Blank DUP	13C4-Perfluorooctanesulfonate	2017/05/15		98	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/15		92	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/15		80	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/15		100	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/15		87	%	70 - 130
			N-ethylperfluorooctane sulfonamide	2017/05/15		100	%	70 - 130
			N-ethylperfluorooctane sulfonamidoe	2017/05/15		95	%	70 - 130
			N-methylperfluorooctane sulfonamide	2017/05/15		98	%	70 - 130
			N-methylperfluorooctanesulfonamidol	2017/05/15		99	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/15		99	%	70 - 130
			Perfluorobutanoic acid	2017/05/15		90	%	70 - 130
			Perfluorodecane Sulfonate	2017/05/15		83	%	70 - 130
			Perfluoroheptane sulfonate	2017/05/15		87	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15		94	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15		94	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/15		99	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/15		113	%	70 - 130
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15		101	%	70 - 130
			Perfluoropentanoic Acid (PFPeA)	2017/05/15		97	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/15		94	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/15		95	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15		89	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/15		90	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/15		105	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15		100	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/15		91	%	70 - 130
4975192	DZU	RPD	6:2 Fluorotelomer sulfonate	2017/05/15	27		%	30
			8:2 Fluorotelomer sulfonate	2017/05/15	14		%	30
			N-ethylperfluorooctane sulfonamide	2017/05/15	3.9		%	30
			N-ethylperfluorooctane sulfonamidoe	2017/05/15	3.4		%	30
			N-methylperfluorooctane sulfonamide	2017/05/15	6.8		%	30
			N-methylperfluorooctanesulfonamidol	2017/05/15	19		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/05/15	4.7		%	30
			Perfluorobutanoic acid	2017/05/15	8.6		%	30
			Perfluorodecane Sulfonate	2017/05/15	4.7		%	30
			Perfluoroheptane sulfonate	2017/05/15	2.5		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15	4.4		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15	0.64		%	30

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluorohexanoic Acid (PFHxA)	2017/05/15	10		%	30
			Perfluorononanoic Acid (PFNA)	2017/05/15	7.6		%	30
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15	1.0		%	30
			Perfluoropentanoic Acid (PFPeA)	2017/05/15	8.9		%	30
			Perfluorotetradecanoic Acid	2017/05/15	1.9		%	30
			Perfluorotridecanoic Acid	2017/05/15	14		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15	27		%	30
			Perfluorodecanoic Acid (PFDA)	2017/05/15	0.22		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/05/15	5.9		%	30
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15	4.3		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/05/15	15		%	30
4975192	DZU	Method Blank	13C4-Perfluorooctanesulfonate	2017/05/15		101	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/15		97	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/15		71	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/15	<0.0032		ug/L	
			8:2 Fluorotelomer sulfonate	2017/05/15	<0.0036		ug/L	
			N-ethylperfluorooctane sulfonamide	2017/05/15	<0.0058		ug/L	
			N-ethylperfluorooctane sulfonamidoe	2017/05/15	<0.0063		ug/L	
			N-methylperfluorooctane sulfonamide	2017/05/15	<0.0041		ug/L	
			N-methylperfluorooctanesulfonamidol	2017/05/15	<0.0043		ug/L	
			Perfluorobutane Sulfonate (PFBS)	2017/05/15	<0.0048		ug/L	
			Perfluorobutanoic acid	2017/05/15	<0.0066		ug/L	
			Perfluorodecane Sulfonate	2017/05/15	<0.0046		ug/L	
			Perfluoroheptane sulfonate	2017/05/15	<0.0048		ug/L	
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15	<0.0033		ug/L	
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15	<0.0034		ug/L	
			Perfluorohexanoic Acid (PFHxA)	2017/05/15	<0.0029		ug/L	
			Perfluorononanoic Acid (PFNA)	2017/05/15	<0.0046		ug/L	
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15	<0.0036		ug/L	
			Perfluoropentanoic Acid (PFPeA)	2017/05/15	<0.0027		ug/L	
			Perfluorotetradecanoic Acid	2017/05/15	<0.0038		ug/L	
			Perfluorotridecanoic Acid	2017/05/15	<0.0033		ug/L	
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15	<0.0043		ug/L	
			Perfluorodecanoic Acid (PFDA)	2017/05/15	<0.0040		ug/L	
			Perfluorododecanoic Acid (PFDoA)	2017/05/15	<0.0028		ug/L	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15	<0.0046		ug/L	
			Perfluorooctane Sulfonate (PFOS)	2017/05/15	<0.0026		ug/L	
4975199	DZU	Spiked Blank	13C4-Perfluorooctanesulfonate	2017/05/15		88	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/15		86	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/15		78	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/15		105	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/15		106	%	70 - 130
			N-ethylperfluorooctane sulfonamide	2017/05/15		102	%	70 - 130
			N-ethylperfluorooctane sulfonamidoe	2017/05/15		110	%	70 - 130
			N-methylperfluorooctane sulfonamide	2017/05/15		93	%	70 - 130
			N-methylperfluorooctanesulfonamidol	2017/05/15		97	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/15		90	%	70 - 130
			Perfluorobutanoic acid	2017/05/15		99	%	70 - 130
			Perfluorodecane Sulfonate	2017/05/15		75	%	70 - 130
			Perfluoroheptane sulfonate	2017/05/15		94	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15		101	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15		91	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/15		91	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/15		96	%	70 - 130
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15		105	%	70 - 130

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluoropentanoic Acid (PFPeA)	2017/05/15		88	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/15		96	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/15		103	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15		90	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/15		91	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/15		119	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15		101	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/15		100	%	70 - 130
4975199	DZU	Spiked Blank DUP	13C4-Perfluorooctanesulfonate	2017/05/15		90	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/15		83	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/15		81	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/15		85	%	70 - 130
			8:2 Fluorotelomer sulfonate	2017/05/15		92	%	70 - 130
			N-ethylperfluorooctane sulfonamide	2017/05/15		118	%	70 - 130
			N-ethylperfluorooctane sulfonamidoe	2017/05/15		105	%	70 - 130
			N-methylperfluorooctane sulfonamide	2017/05/15		124	%	70 - 130
			N-methylperfluorooctanesulfonamidol	2017/05/15		94	%	70 - 130
			Perfluorobutane Sulfonate (PFBS)	2017/05/15		90	%	70 - 130
			Perfluorobutanoic acid	2017/05/15		109	%	70 - 130
			Perfluorodecane Sulfonate	2017/05/15		75	%	70 - 130
			Perfluoroheptane sulfonate	2017/05/15		92	%	70 - 130
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15		110	%	70 - 130
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15		86	%	70 - 130
			Perfluorohexanoic Acid (PFHxA)	2017/05/15		91	%	70 - 130
			Perfluorononanoic Acid (PFNA)	2017/05/15		112	%	70 - 130
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15		103	%	70 - 130
			Perfluoropentanoic Acid (PFPeA)	2017/05/15		107	%	70 - 130
			Perfluorotetradecanoic Acid	2017/05/15		99	%	70 - 130
			Perfluorotridecanoic Acid	2017/05/15		101	%	70 - 130
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15		93	%	70 - 130
			Perfluorodecanoic Acid (PFDA)	2017/05/15		98	%	70 - 130
			Perfluorododecanoic Acid (PFDoA)	2017/05/15		97	%	70 - 130
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15		105	%	70 - 130
			Perfluorooctane Sulfonate (PFOS)	2017/05/15		96	%	70 - 130
4975199	DZU	RPD	6:2 Fluorotelomer sulfonate	2017/05/15	21		%	30
			8:2 Fluorotelomer sulfonate	2017/05/15	14		%	30
			N-ethylperfluorooctane sulfonamide	2017/05/15	15		%	30
			N-ethylperfluorooctane sulfonamidoe	2017/05/15	4.3		%	30
			N-methylperfluorooctane sulfonamide	2017/05/15	29		%	30
			N-methylperfluorooctanesulfonamidol	2017/05/15	2.7		%	30
			Perfluorobutane Sulfonate (PFBS)	2017/05/15	0.89		%	30
			Perfluorobutanoic acid	2017/05/15	9.8		%	30
			Perfluorodecane Sulfonate	2017/05/15	0		%	30
			Perfluoroheptane sulfonate	2017/05/15	1.9		%	30
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15	8.7		%	30
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15	5.0		%	30
			Perfluorohexanoic Acid (PFHxA)	2017/05/15	0.22		%	30
			Perfluorononanoic Acid (PFNA)	2017/05/15	15		%	30
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15	2.1		%	30
			Perfluoropentanoic Acid (PFPeA)	2017/05/15	20		%	30
			Perfluorotetradecanoic Acid	2017/05/15	2.9		%	30
			Perfluorotridecanoic Acid	2017/05/15	2.4		%	30
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15	3.5		%	30
			Perfluorodecanoic Acid (PFDA)	2017/05/15	6.8		%	30
			Perfluorododecanoic Acid (PFDoA)	2017/05/15	20		%	30

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Maxxam Job #: B785777
Report Date: 2017/05/19

Cape Cod Comission
Client Project #: PFC

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15	3.7		%	30
			Perfluorooctane Sulfonate (PFOS)	2017/05/15	3.9		%	30
4975199	DZU	Method Blank	13C4-Perfluorooctanesulfonate	2017/05/15		84	%	50 - 150
			13C4-Perfluorooctanoic acid	2017/05/15		83	%	50 - 150
			13C8-Perfluorooctane Sulfonamide	2017/05/15		87	%	50 - 150
			6:2 Fluorotelomer sulfonate	2017/05/15	<0.0032		ug/L	
			8:2 Fluorotelomer sulfonate	2017/05/15	<0.0036		ug/L	
			N-ethylperfluorooctane sulfonamide	2017/05/15	<0.0058		ug/L	
			N-ethylperfluorooctane sulfonamidoe	2017/05/15	<0.0063		ug/L	
			N-methylperfluorooctane sulfonamide	2017/05/15	<0.0041		ug/L	
			N-methylperfluorooctanesulfonamidol	2017/05/15	<0.0043		ug/L	
			Perfluorobutane Sulfonate (PFBS)	2017/05/15	<0.0048		ug/L	
			Perfluorobutanoic acid	2017/05/15	<0.0066		ug/L	
			Perfluorodecane Sulfonate	2017/05/15	<0.0046		ug/L	
			Perfluoroheptane sulfonate	2017/05/15	<0.0048		ug/L	
			Perfluoroheptanoic Acid (PFHpA)	2017/05/15	<0.0033		ug/L	
			Perfluorohexane Sulfonate (PFHxS)	2017/05/15	<0.0034		ug/L	
			Perfluorohexanoic Acid (PFHxA)	2017/05/15	<0.0029		ug/L	
			Perfluorononanoic Acid (PFNA)	2017/05/15	<0.0046		ug/L	
			Perfluorooctane Sulfonamide (PFOSA)	2017/05/15	<0.0036		ug/L	
			Perfluoropentanoic Acid (PFPeA)	2017/05/15	<0.0027		ug/L	
			Perfluorotetradecanoic Acid	2017/05/15	<0.0038		ug/L	
			Perfluorotridecanoic Acid	2017/05/15	<0.0033		ug/L	
			Perfluoroundecanoic Acid (PFUnA)	2017/05/15	<0.0043		ug/L	
			Perfluorodecanoic Acid (PFDA)	2017/05/15	<0.0040		ug/L	
			Perfluorododecanoic Acid (PFDoA)	2017/05/15	<0.0028		ug/L	
			Perfluoro-n-Octanoic Acid (PFOA)	2017/05/15	<0.0046		ug/L	
			Perfluorooctane Sulfonate (PFOS)	2017/05/15	<0.0026		ug/L	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Adam Robinson, Supervisor, LC/MS/MS

Colm McNamara, Senior Analyst, Liquid Chromatography

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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