

07-Jun-2021

Penni Mahler Fishbeck, Inc. 1515 Arboretum Dr SE Grand Rapids, MI 49546

Re: St. Clair/IPP Development (210245) Work Order: 21060057

Dear Penni,

ALS Environmental received 4 samples on 28-May-2021 03:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 37.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Ehrland Bosworth

Ehrland Bosworth

Ehrland Bosworth Project Manager

#### **Report of Laboratory Analysis**

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 🚴

ALS Group, USA

Date: 07-Jun-21

**Client:** Fishbeck, Inc.

Project: St. Clair/IPP Development (210245) Work Order Sample Summary

Work Order: 21060057

Lab Samp ID Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
21060057-01 STC-21-05-WW-INF(I)	Water		5/28/2021 10:50	5/28/2021 15:00	
21060057-02 STC-21-05-WW-EFF(I)	Water		5/28/2021 11:40	5/28/2021 15:00	
21060057-03 STC-21-05-Sludge/Biosolids(I)	Solid		5/28/2021 11:05	5/28/2021 15:00	
21060057-04 STC-21-05-QCFB	Water		5/28/2021 11:17	5/28/2021 15:00	

ALS Group, USA

Date: 07-Jun-21

Client: Fishbeck, Inc.

QUALIFIERS,

Project: St. Clair/IPP Development (210245)

ACRONYMS, UNITS

WorkOrder: 21060057

ng/L

Nanograms per Liter

#### Qualifier **Description** Value exceeds Regulatory Limit \*\* Estimated Value a Analyte is non-accredited B Analyte detected in the associated Method Blank above the Reporting Limit Е Value above quantitation range Н Analyzed outside of Holding Time Hr BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated. Analyte is present at an estimated concentration between the MDL and Report Limit J ND Not Detected at the Reporting Limit O Sample amount is > 4 times amount spiked Dual Column results percent difference > 40% R RPD above laboratory control limit S Spike Recovery outside laboratory control limits U Analyzed but not detected above the MDL X Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level. **Acronym** Description DUP Method Duplicate LCS Laboratory Control Sample LCSD Laboratory Control Sample Duplicate LOD Limit of Detection (see MDL) LOQ Limit of Quantitation (see PQL) MBLK Method Blank MDL Method Detection Limit MS Matrix Spike MSD Matrix Spike Duplicate POL Practical Quantitation Limit RPD Relative Percent Difference TDL Target Detection Limit TNTC Too Numerous To Count APHA Standard Methods A D **ASTM** Е **EPA** SW SW-846 Update III **Units Reported Description** % of sample Percent of Sample

Client: Fishbeck, Inc.

Project: St. Clair/IPP Development (210245)

Case Narrative

**Work Order:** 21060057

Samples for the above noted Work Order were received on 05/28/2021. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

#### Extractable Organics:

Batch 178026, Method D7968-17a, Sample STC-21-05-Sludge/Biosolids(I) (21060057-03A): The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 6:2 FTS

Batch 178026, Method D7968-17a, Sample MBLK1-178026: The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 6:2 FTS

Batch 178026, Method D7968-17a, Sample LCS3-178026: The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 6:2 FTS. LCS3 passes.

Batch 178026, Method D7968-17a, Sample LCS2-178026: The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 6:2 FTS. LCS2 passes.

Batch 178026, Method D7968-17a, Sample 21060057-03A MS: The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 6:2 FTS

Batch 178026, Method D7968-17a, Sample 21060057-03A MSD: The concentration in the Method Blank was greater than the quantitation limit. All samples in the batch were non-detect; therefore, no qualification is needed for this analyte: 6:2 FTS

Client: Fishbeck, Inc.

**Project:** St. Clair/IPP Development (210245)

**Work Order:** 21060057

Batch 177904, Method E537 Mod, Sample STC-21-05-WW-INF(I) (21060057-01A): Surrogate high due to matrix interference. 13C2-PFHxA, 13C4-PFOA, 13C5-PFPeA

Batch 177904, Method E537 Mod, Sample STC-21-05-WW-INF(I) (21060057-01A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 4:2, 13C2-FtS 6:2 13C2-FtS 8:2, 13C2-PFDA, 13C3-PFBS, 13C3-HFPO-DA, 18O2-PFHxS

Batch 177904, Method E537 Mod, Sample STC-21-05-WW-EFF(I) (21060057-02A): One or more surrogate recoveries were below the lower control limits. The sample results may be biased low, 13C2-PFTeA

Batch 177904, Method E537 Mod, Sample STC-21-05-WW-EFF(I) (21060057-02A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 4:2, 13C2-FtS 6:2 13C2-FtS 8:2

Batch 177904, Method E537 Mod, Sample STC-21-05-QCFB (21060057-04A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 8:2

Batch 178026, Method D7968-17a, Sample STC-21-05-Sludge/Biosolids(I) (21060057-03A): One or more surrogate recoveries were below the lower control limits. The sample results may be biased low, 13C2-PFDoA, 13C2-PFTeA, 13C2-PFUnA, 13C8-FOSA

Batch 178026, Method D7968-17a, Sample STC-21-05-Sludge/Biosolids(I) (21060057-03A): One or more surrogate recoveries were above the upper control limits. The sample was non-detect, therefore, no qualification is needed. 13C2-FtS 4:2, 13C2-FtS 6:2, 13C2-FtS 8:2

Batch 177904, Method E537 Mod, Sample LCS-177904: The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: PFNS

Batch 178026, Method D7968-17a, Sample 21060057-03A MS: The MS recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: See attached QC report.

Batch 178026, Method D7968-17a, Sample 21060057-03A MS: The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: See attached QC report.

Batch 178026, Method D7968-17a, Sample 21060057-03A MS: The MS recovery was above

Case Narrative

Client: Fishbeck, Inc.

Project: St. Clair/IPP Development (210245)

**Work Order:** 21060057

the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary: See attached QC report.

Batch 178026, Method D7968-17a, Sample 21060057-03A MSD: The MSD recovery was below the lower control limit. The corresponding result in the parent sample may be biased low for this analyte: See attached QC report.

Batch 178026, Method D7968-17a, Sample 21060057-03A MSD: The MSD recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: See attached QC report.

Batch 178026, Method D7968-17a, Sample 21060057-03A MSD: The MSD recovery was above the upper control limit. The corresponding result in the parent sample was non-detect, therefore no qualification is necessary. See attached QC report.

Batch 178026, Method D7968-17a, Sample 21060057-03A MSD: The RPD between the MS and MSD was outside of the control limit. The corresponding result should be considered estimated for this compound: PFDS

Batch 178026, Method D7968-17a, Sample LCS1-178026: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: PFDS

Batch 178026, Method D7968-17a, Sample LCS2-178026: The LCS recovery was above the upper control limit. All sample results in the batch were non-detect. No qualification is necessary for this analyte: PFTeA

No other deviations or anomalies were noted.

Wet Chemistry:

No deviations or anomalies were noted.

Case Narrative

Client: Fishbeck, Inc.

Project: St. Clair/IPP Development (210245) Work Order: 21060057

 Sample ID:
 STC-21-05-WW-INF(I)
 Lab ID:
 21060057-01

 Collection Date:
 5/28/2021 10:50 AM
 Matrix:
 WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Met	hod: <b>E537 MO</b>	D	Prep: E53	7 Mod / 6/3/21	Analyst: <b>SK</b>
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		0.98	5.2	ng/L	1	6/3/2021 22:58
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		0.69	5.2	ng/L	1	6/3/2021 22:58
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.2	5.2	ng/L	1	6/3/2021 22:58
Perfluorobutanesulfonic Acid (PFBS)	3.9	J	0.37	5.2	ng/L	1	6/3/2021 22:58
Perfluorobutanoic Acid (PFBA)	10		2.7	5.2	ng/L	1	6/3/2021 22:58
Perfluorodecanesulfonic Acid (PFDS)	U		1.4	5.2	ng/L	1	6/3/2021 22:58
Perfluorodecanoic Acid (PFDA)	1.9	J	1.3	5.2	ng/L	1	6/3/2021 22:58
Perfluorododecanoic Acid (PFDoA)	U		1.5	5.2	ng/L	1	6/3/2021 22:58
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.59	5.2	ng/L	1	6/3/2021 22:58
Perfluoroheptanoic Acid (PFHpA)	7.4		0.46	5.2	ng/L	1	6/3/2021 22:58
Perfluorohexanesulfonic Acid (PFHxS)	U		0.39	5.2	ng/L	1	6/3/2021 22:58
Perfluorohexanoic Acid (PFHxA)	16		1.3	5.2	ng/L	1	6/3/2021 22:58
Perfluorononanesulfonic Acid (PFNS)	U		0.52	5.2	ng/L	1	6/3/2021 22:58
Perfluorononanoic Acid (PFNA)	1.8	J	0.91	5.2	ng/L	1	6/3/2021 22:58
Perfluorooctanesulfonamide (PFOSA)	U		0.74	5.2	ng/L	1	6/3/2021 22:58
Perfluorooctanesulfonic Acid (PFOS)	6.7		0.93	2.1	ng/L	1	6/3/2021 22:58
Perfluorooctanoic Acid (PFOA)	10		0.66	2.1	ng/L	1	6/3/2021 22:58
Perfluoropentanesulfonic Acid (PFPeS)	U		0.58	5.2	ng/L	1	6/3/2021 22:58
Perfluoropentanoic Acid (PFPeA)	60		1.3	5.2	ng/L	1	6/3/2021 22:58
Perfluorotetradecanoic Acid (PFTeA)	U		2.8	5.2	ng/L	1	6/3/2021 22:58
Perfluorotridecanoic Acid (PFTriA)	U		0.81	5.2	ng/L	1	6/3/2021 22:58
Perfluoroundecanoic Acid (PFUnA)	U		1.0	5.2	ng/L	1	6/3/2021 22:58
N- Ethylperfluorooctanesulfonamidoacetic Acid	U		0.66	5.2	ng/L	1	6/3/2021 22:58
N-	0.70	J	0.67	5.2	ng/L	1	6/3/2021 22:58
Methylperfluorooctanesulfonamidoa cetic Acid					J		
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1.2	5.2	ng/L	1	6/3/2021 22:58
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		0.59	5.2	ng/L	1	6/3/2021 22:58
11CI-Pf3OUdS	U		0.49	5.2	ng/L	1	6/3/2021 22:58
9CI-PF3ONS	U		0.47	5.2	ng/L	1	6/3/2021 22:58
Surr: 13C2-FtS 4:2	547	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C2-FtS 6:2	678	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C2-FtS 8:2	507	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C2-PFDA	166	S		50-150	%REC	1	6/3/2021 22:58

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

Client: Fishbeck, Inc.

 Project:
 St. Clair/IPP Development (210245)
 Work Order: 21060057

 Sample ID:
 STC-21-05-WW-INF(I)
 Lab ID: 21060057-01

Collection Date: 5/28/2021 10:50 AM Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C2-PFDoA	106			50-150	%REC	1	6/3/2021 22:58
Surr: 13C2-PFHxA	168	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C2-PFTeA	101			50-150	%REC	1	6/3/2021 22:58
Surr: 13C2-PFUnA	71.4			50-150	%REC	1	6/3/2021 22:58
Surr: 13C3-HFPO-DA	163	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C3-PFBS	152	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C4-PFBA	147			50-150	%REC	1	6/3/2021 22:58
Surr: 13C4-PFHpA	146			50-150	%REC	1	6/3/2021 22:58
Surr: 13C4-PFOA	176	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C4-PFOS	132			50-150	%REC	1	6/3/2021 22:58
Surr: 13C5-PFNA	141			50-150	%REC	1	6/3/2021 22:58
Surr: 13C5-PFPeA	154	S		50-150	%REC	1	6/3/2021 22:58
Surr: 13C8-FOSA	65.4			50-150	%REC	1	6/3/2021 22:58
Surr: 1802-PFHxS	151	S		50-150	%REC	1	6/3/2021 22:58
Surr: d5-N-EtFOSAA	80.0			50-150	%REC	1	6/3/2021 22:58
Surr: d3-N-MeFOSAA	125			50-150	%REC	1	6/3/2021 22:58

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

Client: Fishbeck, Inc.

 Project:
 St. Clair/IPP Development (210245)
 Work Order: 21060057

 Sample ID:
 STC-21-05-WW-EFF(I)
 Lab ID: 21060057-02

Collection Date: 5/28/2021 11:40 AM

Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Met	hod: <b>E537 MO</b>	D	Prep: E53	7 Mod / 6/3/21	Analyst: <b>SK</b>
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		0.88	4.7	ng/L	1	6/3/2021 22:48
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		0.63	4.7	ng/L	1	6/3/2021 22:48
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.1	4.7	ng/L	1	6/3/2021 22:48
Perfluorobutanesulfonic Acid (PFBS)	4.1	J	0.33	4.7	ng/L	1	6/3/2021 22:48
Perfluorobutanoic Acid (PFBA)	11		2.5	4.7	ng/L	1	6/3/2021 22:48
Perfluorodecanesulfonic Acid (PFDS)	U		1.3	4.7	ng/L	1	6/3/2021 22:48
Perfluorodecanoic Acid (PFDA)	U		1.2	4.7	ng/L	1	6/3/2021 22:48
Perfluorododecanoic Acid (PFDoA)	U		1.3	4.7	ng/L	1	6/3/2021 22:48
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.53	4.7	ng/L	1	6/3/2021 22:48
Perfluoroheptanoic Acid (PFHpA)	8.4		0.42	4.7	ng/L	1	6/3/2021 22:48
Perfluorohexanesulfonic Acid (PFHxS)	1.0	J	0.35	4.7	ng/L	1	6/3/2021 22:48
Perfluorohexanoic Acid (PFHxA)	23		1.1	4.7	ng/L	1	6/3/2021 22:48
Perfluorononanesulfonic Acid (PFNS)	U		0.47	4.7	ng/L	1	6/3/2021 22:48
Perfluorononanoic Acid (PFNA)	0.95	J	0.82	4.7	ng/L	1	6/3/2021 22:48
Perfluorooctanesulfonamide (PFOSA)	U		0.67	4.7	ng/L	1	6/3/2021 22:48
Perfluorooctanesulfonic Acid (PFOS)	4.9		0.84	1.9	ng/L	1	6/3/2021 22:48
Perfluorooctanoic Acid (PFOA)	12		0.59	1.9	ng/L	1	6/3/2021 22:48
Perfluoropentanesulfonic Acid (PFPeS)	U		0.52	4.7	ng/L	1	6/3/2021 22:48
Perfluoropentanoic Acid (PFPeA)	23		1.2	4.7	ng/L	1	6/3/2021 22:48
Perfluorotetradecanoic Acid (PFTeA)	U		2.5	4.7	ng/L	1	6/3/2021 22:48
Perfluorotridecanoic Acid (PFTriA)	U		0.73	4.7	ng/L	1	6/3/2021 22:48
Perfluoroundecanoic Acid (PFUnA)	U		0.92	4.7	ng/L	1	6/3/2021 22:48
N- Ethylperfluorooctanesulfonamidoacetic Acid	U		0.59	4.7	ng/L	1	6/3/2021 22:48
N-	1.2	J	0.61	4.7	ng/L	1	6/3/2021 22:48
Methylperfluorooctanesulfonamidoa cetic Acid							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1.1	4.7	ng/L	1	6/3/2021 22:48
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		0.53	4.7	ng/L	1	6/3/2021 22:48
11CI-Pf3OUdS	U		0.44	4.7	ng/L	1	6/3/2021 22:48
9CI-PF3ONS	U		0.42	4.7	ng/L	1	6/3/2021 22:48
Surr: 13C2-FtS 4:2	372	S		50-150	%REC	1	6/3/2021 22:48
Surr: 13C2-FtS 6:2	308	S		50-150	%REC	1	6/3/2021 22:48
Surr: 13C2-FtS 8:2	325	S		50-150	%REC	1	6/3/2021 22:48

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** Fishbeck, Inc.

Project: St. Clair/IPP Development (210245) Work Order: 21060057

 Sample ID:
 STC-21-05-WW-EFF(I)
 Lab ID:
 21060057-02

 Collection Date:
 5/28/2021 11:40 AM
 Matrix:
 WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C2-PFDA	94.9			50-150	%REC	1	6/3/2021 22:48
Surr: 13C2-PFDoA	56.1			50-150	%REC	1	6/3/2021 22:48
Surr: 13C2-PFHxA	95.4			50-150	%REC	1	6/3/2021 22:48
Surr: 13C2-PFTeA	27.8	S		50-150	%REC	1	6/3/2021 22:48
Surr: 13C2-PFUnA	70.7			50-150	%REC	1	6/3/2021 22:48
Surr: 13C3-HFPO-DA	93.1			50-150	%REC	1	6/3/2021 22:48
Surr: 13C3-PFBS	86.4			50-150	%REC	1	6/3/2021 22:48
Surr: 13C4-PFBA	82.5			50-150	%REC	1	6/3/2021 22:48
Surr: 13C4-PFHpA	103			50-150	%REC	1	6/3/2021 22:48
Surr: 13C4-PFOA	92.2			50-150	%REC	1	6/3/2021 22:48
Surr: 13C4-PFOS	83.6			50-150	%REC	1	6/3/2021 22:48
Surr: 13C5-PFNA	100			50-150	%REC	1	6/3/2021 22:48
Surr: 13C5-PFPeA	91.6			50-150	%REC	1	6/3/2021 22:48
Surr: 13C8-FOSA	113			50-150	%REC	1	6/3/2021 22:48
Surr: 1802-PFHxS	104			50-150	%REC	1	6/3/2021 22:48
Surr: d5-N-EtFOSAA	132			50-150	%REC	1	6/3/2021 22:48
Surr: d3-N-MeFOSAA	121			50-150	%REC	1	6/3/2021 22:48

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** Fishbeck, Inc.

Project:St. Clair/IPP Development (210245)Work Order: 21060057Sample ID:STC-21-05-Sludge/Biosolids(I)Lab ID: 21060057-03

Collection Date: 5/28/2021 11:05 AM Matrix: SOLID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY LC-MS-MS		Meth	od: <b>D7968-1</b> 7	7A	Prep: D7968	3-17a / 6/4/21	Analyst: <b>SK</b>
Perfluorobutanoic Acid (PFBA)	1,200	J	610	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluoropentanoic Acid (PFPeA)	470	J	240	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorohexanoic Acid (PFHxA)	1,300	J	220	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluoroheptanoic Acid (PFHpA)	U		240	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorooctanoic Acid (PFOA)	1,200		160	360	ng/Kg-dry	1	6/5/2021 02:52
Perfluorononanoic Acid (PFNA)	420		180	360	ng/Kg-dry	1	6/5/2021 02:52
Perfluorodecanoic Acid (PFDA)	1,800		280	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluoroundecanoic Acid (PFUnA)	370	J	310	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorododecanoic Acid (PFDoA)	670	J	380	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorotridecanoic Acid (PFTriA)	U		410	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorotetradecanoic Acid (PFTeA)	U		580	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorobutanesulfonic Acid (PFBS)	U		240	360	ng/Kg-dry	1	6/5/2021 02:52
Perfluoropentanesulfonic Acid (PFPeS)	U		200	360	ng/Kg-dry	1	6/5/2021 02:52
Perfluorohexanesulfonic Acid (PFHxS)	U		340	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluoroheptanesulfonic Acid (PFHpS)	U		310	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorooctanesulfonic Acid (PFOS)	3,600		150	360	ng/Kg-dry	1	6/5/2021 02:52
Perfluorononanesulfonic Acid (PFNS)	U		310	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorodecanesulfonic Acid (PFDS)	U		190	360	ng/Kg-dry	1	6/5/2021 02:52
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		410	1,800	ng/Kg-dry	1	6/5/2021 02:52
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		690	1,800	ng/Kg-dry	1	6/5/2021 02:52
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	1,600	J	860	1,800	ng/Kg-dry	1	6/5/2021 02:52
Perfluorooctanesulfonamide (PFOSA)	200	J	120	360	ng/Kg-dry	1	6/5/2021 02:52
N- Ethylperfluorooctanesulfonamidoace tic Acid	3,500		720	1,800	ng/Kg-dry	1	6/5/2021 02:52
N-	4,400		440	1,800	ng/Kg-dry	1	6/5/2021 02:52
Methylperfluorooctanesulfonamidoa cetic Acid							
11CI-Pf3OUdS	U		150	360	ng/Kg-dry	1	6/5/2021 02:52
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		88	360	ng/Kg-dry	1	6/5/2021 02:52
9CI-PF3ONS	U		69	360	ng/Kg-dry	1	6/5/2021 02:52
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1,500	1,800	ng/Kg-dry	1	6/5/2021 02:52
Surr: 13C4-PFBA	78.6			50-130	%REC	1	6/5/2021 02:52
Surr: 13C5-PFPeA	74.6			50-130	%REC	1	6/5/2021 02:52
Surr: 13C2-PFHxA	87.7			50-130	%REC	1	6/5/2021 02:52

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

**Client:** Fishbeck, Inc.

Project:St. Clair/IPP Development (210245)Work Order: 21060057Sample ID:STC-21-05-Sludge/Biosolids(I)Lab ID: 21060057-03

Collection Date: 5/28/2021 11:05 AM Matrix: SOLID

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C4-PFHpA	83.8			50-130	%REC	1	6/5/2021 02:52
Surr: 13C4-PFOA	86.1			70-130	%REC	1	6/5/2021 02:52
Surr: 13C5-PFNA	83.9			70-130	%REC	1	6/5/2021 02:52
Surr: 13C2-PFDA	79.8			70-130	%REC	1	6/5/2021 02:52
Surr: 13C2-PFUnA	64.9	S		70-130	%REC	1	6/5/2021 02:52
Surr: 13C2-PFDoA	49.0	S		70-130	%REC	1	6/5/2021 02:52
Surr: 13C2-PFTeA	6.32	S		50-130	%REC	1	6/5/2021 02:52
Surr: 13C3-PFBS	70.9			50-130	%REC	1	6/5/2021 02:52
Surr: 1802-PFHxS	85.4			70-130	%REC	1	6/5/2021 02:52
Surr: 13C4-PFOS	83.7			70-130	%REC	1	6/5/2021 02:52
Surr: 13C2-FtS 4:2	242	S		50-130	%REC	1	6/5/2021 02:52
Surr: 13C2-FtS 6:2	307	S		50-130	%REC	1	6/5/2021 02:52
Surr: 13C2-FtS 8:2	370	S		50-130	%REC	1	6/5/2021 02:52
Surr: 13C8-FOSA	26.4	S		50-130	%REC	1	6/5/2021 02:52
Surr: d3-N-MeFOSAA	94.1			50-130	%REC	1	6/5/2021 02:52
Surr: d5-N-EtFOSAA	110			50-130	%REC	1	6/5/2021 02:52
Surr: 13C3-HFPO-DA	87.7			50-130	%REC	1	6/5/2021 02:52
MOISTURE		Meth	od: <b>SW3550</b> 0	;			Analyst: <b>KTP</b>
Moisture	93		0.10	0.10	% of sample	1	6/3/2021 15:37

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

Client: Fishbeck, Inc.

 Project:
 St. Clair/IPP Development (210245)
 Work Order: 21060057

 Sample ID:
 STC-21-05-QCFB
 Lab ID: 21060057-04

Collection Date: 5/28/2021 11:17 AM

Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PFAS BY EPA 537 MODIFIED		Meth	od: <b>E537 MO</b>	D	Prep: E53	7 Mod / 6/3/21	Analyst: <b>SK</b>
Fluorotelomer Sulphonic Acid 4:2 (FtS 4:2)	U		0.89	4.8	ng/L	1	6/3/2021 23:09
Fluorotelomer Sulphonic Acid 6:2 (FtS 6:2)	U		0.63	4.8	ng/L	1	6/3/2021 23:09
Fluorotelomer Sulphonic Acid 8:2 (FtS 8:2)	U		1.1	4.8	ng/L	1	6/3/2021 23:09
Perfluorobutanesulfonic Acid (PFBS)	U		0.33	4.8	ng/L	1	6/3/2021 23:09
Perfluorobutanoic Acid (PFBA)	U		2.5	4.8	ng/L	1	6/3/2021 23:09
Perfluorodecanesulfonic Acid (PFDS)	U		1.3	4.8	ng/L	1	6/3/2021 23:09
Perfluorodecanoic Acid (PFDA)	U		1.2	4.8	ng/L	1	6/3/2021 23:09
Perfluorododecanoic Acid (PFDoA)	U		1.4	4.8	ng/L	1	6/3/2021 23:09
Perfluoroheptanesulfonic Acid (PFHpS)	U		0.54	4.8	ng/L	1	6/3/2021 23:09
Perfluoroheptanoic Acid (PFHpA)	U		0.42	4.8	ng/L	1	6/3/2021 23:09
Perfluorohexanesulfonic Acid (PFHxS)	U		0.35	4.8	ng/L	1	6/3/2021 23:09
Perfluorohexanoic Acid (PFHxA)	U		1.1	4.8	ng/L	1	6/3/2021 23:09
Perfluorononanesulfonic Acid (PFNS)	U		0.47	4.8	ng/L	1	6/3/2021 23:09
Perfluorononanoic Acid (PFNA)	U		0.83	4.8	ng/L	1	6/3/2021 23:09
Perfluorooctanesulfonamide (PFOSA)	U		0.68	4.8	ng/L	1	6/3/2021 23:09
Perfluorooctanesulfonic Acid (PFOS)	U		0.85	1.9	ng/L	1	6/3/2021 23:09
Perfluorooctanoic Acid (PFOA)	U		0.60	1.9	ng/L	1	6/3/2021 23:09
Perfluoropentanesulfonic Acid (PFPeS)	U		0.53	4.8	ng/L	1	6/3/2021 23:09
Perfluoropentanoic Acid (PFPeA)	U		1.2	4.8	ng/L	1	6/3/2021 23:09
Perfluorotetradecanoic Acid (PFTeA)	U		2.5	4.8	ng/L	1	6/3/2021 23:09
Perfluorotridecanoic Acid (PFTriA)	U		0.73	4.8	ng/L	1	6/3/2021 23:09
Perfluoroundecanoic Acid (PFUnA)	U		0.93	4.8	ng/L	1	6/3/2021 23:09
N- Ethylperfluorooctanesulfonamidoacetic Acid	U		0.60	4.8	ng/L	1	6/3/2021 23:09
N- Methylperfluorooctanesulfonamidoaceti c Acid	U		0.61	4.8	ng/L	1	6/3/2021 23:09
Hexafluoropropylene oxide dimer acid (HFPO-DA)	U		1.1	4.8	ng/L	1	6/3/2021 23:09
4,8-Dioxa-3H-perfluorononanoic Acid (DONA)	U		0.53	4.8	ng/L	1	6/3/2021 23:09
11CI-Pf3OUdS	U		0.44	4.8	ng/L	1	6/3/2021 23:09
9CI-PF3ONS	U		0.43	4.8	ng/L	1	6/3/2021 23:09
Surr: 13C2-FtS 4:2	101			50-150	%REC	1	6/3/2021 23:09
Surr: 13C2-FtS 6:2	118			50-150	%REC	1	6/3/2021 23:09
Surr: 13C2-FtS 8:2	155	S		50-150	%REC	1	6/3/2021 23:09
Surr: 13C2-PFDA	110			50-150	%REC	1	6/3/2021 23:09

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

Client: Fishbeck, Inc.

 Project:
 St. Clair/IPP Development (210245)
 Work Order: 21060057

 Sample ID:
 STC-21-05-QCFB
 Lab ID: 21060057-04

Collection Date: 5/28/2021 11:17 AM

Matrix: WATER

Analyses	Result Qual	Report MDL Limit	Units	Dilution Factor	Date Analyzed
Surr: 13C2-PFDoA	102	50-150	%REC	1	6/3/2021 23:09
Surr: 13C2-PFHxA	96.8	50-150	%REC	1	6/3/2021 23:09
Surr: 13C2-PFTeA	97.7	50-150	%REC	1	6/3/2021 23:09
Surr: 13C2-PFUnA	85.9	50-150	%REC	1	6/3/2021 23:09
Surr: 13C3-HFPO-DA	93.2	50-150	%REC	1	6/3/2021 23:09
Surr: 13C3-PFBS	84.7	50-150	%REC	1	6/3/2021 23:09
Surr: 13C4-PFBA	87.2	50-150	%REC	1	6/3/2021 23:09
Surr: 13C4-PFHpA	93.1	50-150	%REC	1	6/3/2021 23:09
Surr: 13C4-PFOA	104	50-150	%REC	1	6/3/2021 23:09
Surr: 13C4-PFOS	93.6	50-150	%REC	1	6/3/2021 23:09
Surr: 13C5-PFNA	100	50-150	%REC	1	6/3/2021 23:09
Surr: 13C5-PFPeA	89.2	50-150	%REC	1	6/3/2021 23:09
Surr: 13C8-FOSA	84.4	50-150	%REC	1	6/3/2021 23:09
Surr: 1802-PFHxS	101	50-150	%REC	1	6/3/2021 23:09
Surr: d5-N-EtFOSAA	118	50-150	%REC	1	6/3/2021 23:09
Surr: d3-N-MeFOSAA	113	50-150	%REC	1	6/3/2021 23:09

**Note:** See Qualifiers page for a list of qualifiers and their definitions.

Date: 07-Jun-21

## QC BATCH REPORT

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 177904 Instrument ID LCMS1 Method: E537 Mod

Batch ID: <b>177904</b>	Instrument ID LCMS	<b>31</b>		Method:	E537 Mod						
MBLK Samp	ole ID: MBLK-177904	I-177904			Uı	nits: <b>ng/L</b>		Analys	is Date: 6	/3/2021 10	0:16 PM
Client ID:		Run ID: LCM	S1_210	603B	Sec	No: <b>7461</b>	996	Prep Date: 6/3/	2021	DF: <b>1</b>	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qua
Fluorotelomer Sulphonic Ac	id U	0.94	5.0								
Fluorotelomer Sulphonic Ac		0.66	5.0								
Fluorotelomer Sulphonic Ac		1.1	5.0								
Perfluorobutanesulfonic Acid		0.35	5.0								
Perfluorobutanoic Acid (PFE		2.6	5.0								
Perfluorodecanesulfonic Aci	· ·	1.4	5.0								
Perfluorodecanoic Acid (PFI		1.2	5.0								
Perfluorododecanoic Acid (F		1.4	5.0								
Perfluoroheptanesulfonic Ac		0.57	5.0								
Perfluoroheptanoic Acid (PF		0.44	5.0								
Perfluorohexanesulfonic Aci		0.44	5.0								
Perfluorohexanoic Acid (PFI		1.2	5.0								
Perfluorononanesulfonic Aci		0.5	5.0								
Perfluorononanoic Acid (PFI	_	0.87	5.0								
Perfluorooctanesulfonamide		0.71	5.0								
Perfluorooctanesulfonic Acid	•	0.89	2.0								
Perfluorooctanoic Acid (PFC		0.63	2.0								
Perfluoropentanesulfonic Ac		0.56	5.0								
Perfluoropentanoic Acid (PF		1.3	5.0								
Perfluorotetradecanoic Acid		2.6	5.0								
Perfluorotridecanoic Acid (P	` -	0.77	5.0								
Perfluoroundecanoic Acid (F		0.77	5.0								
N-Ethylperfluorooctanesulfo		0.63	5.0								
N-Methylperfluorooctanesuli		0.64	5.0								
Hexafluoropropylene oxide		1.2	5.0								
4,8-Dioxa-3H-perfluoronona		0.56	5.0								
11CI-Pf3OUdS	U	0.30	5.0								
9CI-PF3ONS	U	0.47	5.0								
Surr: 13C2-FtS 4:2	148.8	0.45_	0.0	149.4	0	99.5	50-150	0			
Surr: 13C2-FtS 6:2	143.9	0	0	152	0	94.7	50-150				
Surr: 13C2-FtS 8:2	169.7	0	0		0	111	50-150				
Surr: 13C2-PFDA	149.1	0	0	160	0	93.2	50-150				
Surr: 13C2-PFDoA	138.7	0	0	160	0	86.7	50-150				
Surr: 13C2-PFHxA	163.3	0	0	160	0	102	50-150				
Surr: 13C2-PFTeA	150.3	0	0	160	0	94	50-150				
Surr: 13C2-PFUnA	134.7	0	0	160			50-150				
Surr: 13C3-HFPO-DA		0	0		0	84.2					
Surr: 13C3-PFBS	162.3			160	0	101	50-150				
	145.2	0	0		0	97.6	50-150				
Surr: 13C4-PFBA	151	0	0	160	0	94.4	50-150				
Surr: 13C4-PFHpA Surr: 13C4-PFOA	152.3 155	0	0	160	0	95.2	50-150	0			

Client: Fishbeck, Inc.

Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: <b>177904</b>	Instrument ID LCMS1		ľ	Method:	E537 Mod			
Surr: 13C4-PFOS	147.7	0	0	152.8	0	96.6	50-150	0
Surr: 13C5-PFNA	141	0	0	160	0	88.1	50-150	0
Surr: 13C5-PFPeA	157	0	0	160	0	98.1	50-150	0
Surr: 13C8-FOSA	177.2	0	0	160	0	111	50-150	0
Surr: 18O2-PFHxS	163.8	0	0	151.2	0	108	50-150	0
Surr: d5-N-EtFOSAA	179.7	0	0	160	0	112	50-150	0
Surr: d3-N-MeFOSAA	176.6	0	0	160	0	110	50-150	0

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 177904 Instrument ID LCMS1 Method: E537 Mod

LCS	Sample ID: LCS-17	7904-	177904			Ur	its: <b>ng/L</b>		Analysis Date: 6/3/2021 10:27 PN				
Client ID:			Run ID: LCN	IS1_210	603B	Seq	No: <b>7461</b>	997	Prep Date: 6/3/202	21	DF: <b>1</b>		
Analyte	Re	sult	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qua	
Fluorotelomer Sulphoni	c Acid 33	3.62	0.94	5.0	29.9	0	112	63-143	0				
Fluorotelomer Sulphoni	c Acid 36	3.03	0.66	5.0	30.3	0	119	64-140	0				
Fluorotelomer Sulphoni	c Acid 3	1.21	1.1	5.0	30.7	0	102	67-138	0				
Perfluorobutanesulfonio	Acid ( 30	0.75	0.35	5.0	28.3	0	109	72-130	0				
Perfluorobutanoic Acid	(PFBA) 34	4.05	2.6	5.0	32	0	106	73-129	0				
Perfluorodecanesulfoni	c Acid ( 4	1.46	1.4	5.0	30.8	0	135	53-142	0				
Perfluorodecanoic Acid	(PFDA 3	1.74	1.2	5.0	32	0	99.2	71-129	0				
Perfluorododecanoic A	cid (PFI 30	0.45	1.4	5.0	32	0	95.2	72-134	0				
Perfluoroheptanesulfon		9.85	0.57	5.0	30.5	0	97.9	69-134	0				
Perfluoroheptanoic Acid	d (PFH) 28	3.61	0.44	5.0	32	0	89.4	72-130	0				
Perfluorohexanesulfoni	c Acid ( 30	0.05	0.37	5.0	29.1	0	103	68-131	0				
Perfluorohexanoic Acid	(PFHx 30	0.51	1.2	5.0	32	0	95.3	72-129	0				
Perfluorononanesulfoni	c Acid	39	0.5	5.0	30.7	0	127	69-127	0			S	
Perfluorononanoic Acid	(PFNA 32	2.05	0.87	5.0	32	0	100	69-130	0				
Perfluorooctanesulfona		1.73	0.71	5.0	32	0	109	67-137	0				
Perfluorooctanesulfonio	Acid ( 3	1.55	0.89	2.0	29.7	0	106	65-140	0				
Perfluorooctanoic Acid		28.6	0.63	2.0	32	0	89.4	71-133	0				
Perfluoropentanesulfon		3.41	0.56	5.0	30	0	121	71-127	0				
Perfluoropentanoic Acid		3.94	1.3	5.0	32	0	90.4	72-129	0				
Perfluorotetradecanoic	Acid (F	31.3	2.6	5.0	32	0	97.8	71-132	0				
Perfluorotridecanoic Ac		7.28	0.77	5.0	32	0	116	65-144	0				
Perfluoroundecanoic A	cid (PFI 3	1.27	0.97	5.0	32	0	97.7	69-133	0				
N-Ethylperfluorooctane	sulfona 30	0.77	0.63	5.0	32	0	96.2	61-135	0				
Hexafluoropropylene ox	ride din 3°	1.651	1.2	5.0	32	0	98.9	70-130	0				
4,8-Dioxa-3H-perfluoro	nonano 24	4.62	0.56	5.0	30.1	0	81.8	70-130	0				
11CI-Pf3OUdS	30	0.12	0.47	5.0	30.1	0	100	70-130	0				
9CI-PF3ONS	37	7.14	0.45	5.0	29.8	0	125	70-130	0				
Surr: 13C2-FtS 4:2		130	0	0	149.4	0	87	50-150	0				
Surr: 13C2-FtS 6:2	18	59.9	0	0	152	0	105	50-150	0				
Surr: 13C2-FtS 8:2		178	0	0	153.3	0	116	50-150	0				
Surr: 13C2-PFDA	14	48.9	0	0	160	0	93.1	50-150	0				
Surr: 13C2-PFDoA	13	36.4	0	0	160	0	85.2	50-150	0				
Surr: 13C2-PFHxA	14	44.6	0	0	160	0	90.4	50-150	0				
Surr: 13C2-PFTeA	12	26.1	0	0	160	0	78.8	50-150	0				
Surr: 13C2-PFUnA	1	49.8	0	0	160	0	93.6	50-150	0				
Surr: 13C3-HFPO-D	A 18	51.7	0	0	160	0	94.8	50-150	0				
Surr: 13C3-PFBS	13	32.2	0	0	148.8	0	88.9	50-150	0				
Surr: 13C4-PFBA	14	40.9	0	0	160	0	88.1	50-150	0			-	
Surr: 13C4-PFHpA	19	91.7	0	0	160	0	120	50-150	0				
Surr: 13C4-PFOA	16	62.4	0	0	160	0	102	50-150	0			·	
Surr: 13C4-PFOS	1:	19.1	0	0	152.8	0	77.9	50-150	0				
Surr: 13C5-PFNA	16	66. <i>4</i>	0	0	160	0	104	50-150	0				
Surr: 13C5-PFPeA		145	0	0	160	0	90.6	50-150	0				

QC BATCH REPORT

Client: Fishbeck, Inc. Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: <b>177904</b>	Instrument ID LCMS1		ľ	Method:	E537 Mod				
Surr: 13C8-FOSA	139.6	0	0	160	0	87.2	50-150	0	
Surr: 18O2-PFHxS	127.2	0	0	151.2	0	84.1	50-150	0	
Surr: d5-N-EtFOSAA	172	0	0	160	0	107	50-150	0	
Surr: d3-N-MeFOSAA	180.9	0	0	160	0	113	50-150	0	

LCS Sa	mple ID: <b>LCS-177904</b>	-177904			Ur	nits: <b>ng/L</b>		Ana	lysis Date:	6/4/2021 1	0:13 AM
Client ID:		Run ID: LCN	/IS1_2106	04A	Seq	No: <b>7462</b>	498	Prep Date: 6	3/3/2021	DF: <b>1</b>	
Analyte	Result	MDL	PQL S	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Re Value		RPD Limit	Qual
N-Methylperfluorooctanes	sulfor 40.78	0.64	5.0	32	0	127	65-136		0		

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 177904 Instrument ID LCMS1 Method: E537 Mod

MS Sa	mple ID: 2106005	7-02A MS			Ur	nits: <b>ng/L</b>		Analysis	Date: 6/	3/2021 10	):37 PN
Client ID: STC-21-05-WV	V-EFF(I)	Run ID: L	CMS1_210	603B	Seq	No: <b>746</b> 1	1998	Prep Date: 6/3/20	21	DF: <b>1</b>	
Analyte	Res	ult MD	L PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qua
Fluorotelomer Sulphonic	Acid 30.	19 0.8	9 4.7	28.31	0	107	63-143	0			
Fluorotelomer Sulphonic					0.477	116	64-140				
Fluorotelomer Sulphonic					0.154	104	67-138				
Perfluorobutanesulfonic A				26.8	4.094	107	72-130				
Perfluorobutanoic Acid (F				30.3	11.17	99	73-129				
Perfluorodecanesulfonic	Acid ( 19.	77 1.	3 4.7	29.17	0	67.8	53-142				
Perfluorodecanoic Acid (I		0.4 1.:		30.3	0.8664	94.2	71-129				
Perfluorododecanoic Acid		0.3 1.		30.3	0.2777	99.1	72-134				
Perfluoroheptanesulfonic					0	72.6	69-134				
Perfluoroheptanoic Acid (			-	30.3	8.377	104	72-130				
Perfluorohexanesulfonic					1.014	85.7	68-131	0			
Perfluorohexanoic Acid (I				30.3	22.51	99	72-129				
Perfluorononanesulfonic					0	90.8	69-127	0			
Perfluorononanoic Acid (		<del></del>	-	30.3	0.954	90.8	69-130				
Perfluorooctanesulfonam				30.3	0.2898	113	67-137				
Perfluorooctanesulfonic A	•				4.851	97.4	65-140				
Perfluorooctanoic Acid (F				30.3	12.02	85.9	71-133				
Perfluoropentanesulfonic					0	90.7	71-127				
Perfluoropentanoic Acid (				30.3	22.85	94.5	72-129				
Perfluorotetradecanoic A	1			30.3	0.3864	91.6	71-132				
Perfluorotridecanoic Acid		2.7 0.7			0	141	65-144				
Perfluoroundecanoic Acid	•			30.3	0.2596	97.9	69-133				
N-Ethylperfluorooctanesu	•				0	94.6	61-135				
N-Methylperfluorooctanes					1.183	82	65-136				
Hexafluoropropylene oxic				30.3	0	91.3	70-130				
4,8-Dioxa-3H-perfluorono					0	77.1	70-130				
11CI-Pf3OUdS	21.			28.5	0	75.3	70-130				
9CI-PF3ONS	29.				0.02415	103	70-130				
Surr: 13C2-FtS 4:2	454		0 0		0	321	50-150				S
Surr: 13C2-FtS 6:2	415		0		0	289	50-150				S
Surr: 13C2-FtS 8:2	410		0 0		0	283	50-150				S
Surr: 13C2-PFDA	129		0 0		0	85.5	50-150				
Surr: 13C2-PFDoA	78.		0 0		0	52.1	50-150				
Surr: 13C2-PFHxA	129		0 0		0	85.6	50-150				
Surr: 13C2-PFTeA	42.		0 0		0	28.1	50-150				S
Surr: 13C2-PFUnA	109	<del></del>	0 0		0	72.4	50-150				
Surr: 13C3-HFPO-DA	117		0 0		0	77.5	50-150				
Surr: 13C3-PFBS	108		0 0		0	76.9	50-150				
Surr: 13C4-PFBA	118		0		0	78.3	50-150				
Surr: 13C4-PFHpA	144		0 0		0	95.6	50-150				
Surr: 13C4-PFOA			0 0		0	85.8	50-150				
Surr: 13C4-PFOS	110		0 0		0	76.3	50-150				
Surr: 13C5-PFNA	15:			151.5	0	100					

Client: Fishbeck, Inc.

Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: <b>177904</b>	Instrument ID LCMS1			Method:	E537 Mod			
Surr: 13C5-PFPeA	123.8	0	0	151.5	0	81.7	50-150	0
Surr: 13C8-FOSA	150.3	0	0	151.5	0	99.2	50-150	0
Surr: 1802-PFHxS	134.8	0	0	143.2	0	94.2	50-150	0
Surr: d5-N-EtFOSAA	186.7	0	0	151.5	0	123	50-150	0
Surr: d3-N-MeFOSAA	162.6	0	0	151.5	0	107	50-150	0

# QC BATCH REPORT

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 177904 Instrument ID LCMS1 Method: E537 Mod

DUP S	ample ID: <b>2106017</b>	3-01I I	DUP			Un	its: <b>ng/L</b>		Analysis	Date: 6/	3/2021 11	:30 PM
Client ID:			Run ID: LCMS	1_2106	603B	Seql	No: <b>7462</b>	003	Prep Date: 6/3/2	021	DF: <b>1</b>	
Analyta	Doo	14	MDI	DOL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Ougl
Analyte Fluorotelomer Sulphoni	Res	U	0.9	4.8			,	0-0	0	%KFD 0	30	Qual
Fluorotelomer Sulphoni					0	0	0			0		
Fluorotelomer Sulphoni		U	0.64 1.1	4.8	0	0	0	0-0	0.3446 0.1877	0	30	
Perfluorobutanesulfonio			0.34	4.8	0	0	0	0-0	2.366	0	30	
Perfluorobutanoic Acid	`		2.5	4.8	0	0	0	0-0	6.591	8.67	30	J
Perfluorodecanesulfonio	•	U	1.3	4.8	0	0	0	0-0	0.591	0.07	30	
Perfluorodecanoic Acid	·	U	1.2	4.8	0	0	0	0-0	0.1231	0	30	
Perfluorododecanoic Ad	•	U	1.4	4.8	0	0	0	0-0	0.1692	0	30	
Perfluoroheptanesulfon	`	U	0.54	4.8	0	0	0	0-0	0.1032	0	30	
Perfluoroheptanoic Acid			0.42	4.8	0	0	0	0-0	1.209	0	30	J
Perfluorohexanesulfonio	•		0.42	4.8	0	0	0	0-0	0.8862	0	30	J
Perfluorohexanoic Acid	0.00		1.1	4.8	0	0	0	0-0	7.649	5.97	30	J
Perfluorononanesulfoni	, , , , , , , , , , , , , , , , , , , ,	U	0.48	4.8	0	0	0	0-0	0	0.07	30	
Perfluorononanoic Acid		U	0.48	4.8	0	0	0	0-0	0.5385	0	30	
Perfluorooctanesulfonal	`	U	0.68	4.8	0	0	0	0-0	0.2923	0	30	
Perfluorooctanesulfonio	,	-	0.85	1.9	0	0	0	0-0	3.483	7.18	30	
Perfluorooctanoic Acid	, , , , , ,		0.6	1.9	0	0	0	0-0	4.415	7.98	30	
Perfluoropentanesulfon	`	U	0.53	4.8	0	0	0	0-0	0	0	30	
Perfluoropentanoic Acid			1.2	4.8	0	0	0	0-0	5.748	1.58	30	
Perfluorotetradecanoic		U	2.5	4.8	0	0	0	0-0	0.3108	0	30	
Perfluorotridecanoic Ac	•	U	0.74	4.8	0	0	0	0-0	0.1692	0	30	
Perfluoroundecanoic Ad	•	U	0.93	4.8	0	0	0	0-0	0.08	0	30	
N-Ethylperfluorooctanes	<u> </u>	U	0.6	4.8	0	0	0	0-0	0.00	0	30	
N-Methylperfluorooctan			0.62	4.8	0	0	0	0-0	0.7415	0	30	J
Hexafluoropropylene ox		UI	1.1	4.8	0	0	0	0-0	0.7410	0	30	
4,8-Dioxa-3H-perfluoror		U	0.54	4.8	0	0	0	0-0	0	0	30	
11CI-Pf3OUdS		U	0.45	4.8	0	0	0	0-0	0.01846	0	30	
9CI-PF3ONS		U	0.43	4.8	0	0	0	0-0	0	0	30	
Surr: 13C2-FtS 4:2	349		0	0	143.1	0	244	50-150	356.1	1.79	30	S
Surr: 13C2-FtS 6:2	392		0	0	145.6	0	270	50-150	415.1	5.61	30	s
Surr: 13C2-FtS 8:2		3.7	0	0	146.8	0	180	50-150		2.31	30	s
Surr: 13C2-PFDA	152		0	0	153.3	0	99.8	50-150		2.7	30	Ū
Surr: 13C2-PFDoA		9.7	0	0	153.3	0	91.1	50-150	140.3	0.456	30	
Surr: 13C2-PFHxA	168		0	0	153.3	0	110	50-150	173.5	3.05	30	
Surr: 13C2-PFTeA	11.		0	0	153.3	0	72.9	50-150	90.02	21.5	30	
Surr: 13C2-PFUnA	13:		0	0	153.3	0	87.3	50-150	138.3	3.24	30	
Surr: 13C3-HFPO-DA			0	0	153.3	0	106	50-150		0.0823	30	
Surr: 13C3-PFBS		9.7	0	0	142.5	0	91	50-150	127	2.08	30	
Surr: 13C4-PFBA	13		0	0	153.3	0	86	50-150	134.5	1.95	30	
Surr: 13C4-PFHpA		80	0	0	153.3	0	117	50-150		4.22	30	
Surr: 13C4-PFOA	187		0	0	153.3	0	122	50-150	194.3	3.71	30	
Surr: 13C4-PFOS		17	0	0	146.4	0	79.9	50-150	118.3	1.16	30	
Surr: 13C5-PFNA	160		0		153.3	0	108	50-150		1.21	30	

Client: Fishbeck, Inc.

Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: <b>177904</b>	Instrument ID LCMS1		N	Method:	E537 Mod						
Surr: 13C5-PFPeA	133.2	0	0	153.3	0	86.9	50-150	134.7	1.17	30	
Surr: 13C8-FOSA	127.7	0	0	153.3	0	83.3	50-150	132.2	3.44	30	
Surr: 18O2-PFHxS	126	0	0	144.8	0	87	50-150	126.4	0.341	30	
Surr: d5-N-EtFOSAA	187	0	0	153.3	0	122	50-150	191.6	2.44	30	
Surr: d3-N-MeFOSAA	212.9	0	0	153.3	0	139	50-150	219.2	2.92	30	

The following samples were analyzed in this batch: 21060057-01A 21060057-02A 21060057-04A

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026 Instrument ID LCMS1 Method: D7968-17a

MBLK1	Sample ID: MBLK1-17	78026-178026			Un	its: <b>ng/K</b>	g	Analysis	Date: 6	5/2021 01	1:18 AN
Client ID:		Run ID: LC	MS1_2106	604D	Seq	No: <b>7463</b>	750	Prep Date: 6/4/2	021	DF: <b>1</b>	
		MD	<b>5</b> 01	0014341	SPK Ref Value	%REC	Control Limit	RPD Ref Value	0/ 000	RPD Limit	0
Analyte	Resu			SPK Val					%RPD		Qua
Perfluorobutanoic Acid	•	J 42	120	0	0	0		0			
Perfluoropentanoic Acid		J 17	120	0	0	0		0			
Perfluorohexanoic Acid		J 15	120	0	0	0		0			
Perfluoroheptanoic Acid		J 17	120	0	0	0		0			
Perfluorooctanoic Acid	`	J 11	25	0	0	0		0			
Perfluorononanoic Acid	`	J 13	25	0	0	0		0			
Perfluorodecanoic Acid	·	J 19	120	0	0	0		0			
Perfluoroundecanoic A	,	<u>J</u> 21_	120	0	0	0		0			
Perfluorododecanoic A	•	J 26	120	0	0	0		0			
Perfluorotridecanoic Ac		<u>J</u> 28_	120	0	0	0		0			
Perfluorotetradecanoic		J 40	120	0	0	0		0			
Perfluorobutanesulfonio		<u>J</u> 17_	25	0	0	0		0			
Perfluoropentanesulfon		J 14	25	0	0	0		0			
Perfluorohexanesulfoni		J 24	120	0	0	0		0			
Perfluoroheptanesulfon		J 22	120	0	0	0		0			
Perfluorooctanesulfonio	•	J 10	25	0	0	0		0			
Perfluorononanesulfoni		J 22	120	0	0	0		0			
Perfluorodecanesulfoni		J 13	25	0	0	0		0			
Fluorotelomer Sulphoni		J 28	120	0	0	0		0			
Fluorotelomer Sulphoni		8 48	120	0	0	0		0			
Fluorotelomer Sulphoni	c Acid I	J 59	120	0	0	0		0			
Perfluorooctanesulfona	·	J 8.5	25	0	0	0		0			
N-Ethylperfluorooctane	sulfona I	J 49	120	0	0	0		0			
N-Methylperfluorooctan	esulfor I	Ji 31	120	0	0	0		0			
11CI-Pf3OUdS	l	J 10	25	0	0	0		0			
4,8-Dioxa-3H-perfluoro	nonano I	J 6.1	25	0	0	0		0			
9CI-PF3ONS	ı	J 4.8	25	0	0	0		0			
Hexafluoropropylene ox	kide din I	_ 100	120	0	0	0		0			
Surr: 13C4-PFBA	380.	3 0	0	400	0	95.1	50-130	0			
Surr: 13C5-PFPeA	394.	<u>5</u> 0_	0	400	0	98.6	50-130	0			
Surr: 13C2-PFHxA	419.	6 0	0	400	0	105	50-130	0			
Surr: 13C4-PFHpA	394.	<u>8</u> 0_	0	400	0	98.7	50-130	0			
Surr: 13C4-PFOA	399.	4 0	0	400	0	99.8	70-130	0			
Surr: 13C5-PFNA	423.	3 0	0	400	0	106	70-130	0			
Surr: 13C2-PFDA	422.	6 0	0	400	0	106	70-130	0			-
Surr: 13C2-PFUnA	427.	8 0	0	400	0	107	70-130	0			
Surr: 13C2-PFDoA	426.	5 0	0	400	0	107	70-130	0			
Surr: 13C2-PFTeA	442.	8 0	0	400	0	111	50-130	0			
Surr: 13C3-PFBS	381.	7 0	0	400	0	95.4	50-130	0			
Surr: 1802-PFHxS	383.	5 0	0	378	0	101	70-130	0			
Surr: 13C4-PFOS	358.	9 0	0	383	0	93.7	70-130	0			
Surr: 13C2-FtS 4:2	342.		0	373	0	91.8	50-130				
Surr: 13C2-FtS 6:2	321.		0	380	0	84.5					

Client: Fishbeck, Inc.
Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026	Instrument ID LCMS1		N	lethod:	D7968-17a				
Surr: 13C2-FtS 8:2	389.3	0	0	383	0	102	50-130	0	
Surr: 13C8-FOSA	407	0	0	400	0	102	50-130	0	
Surr: d3-N-MeFOSAA	444.5	0	0	400	0	111	50-130	0	
Surr: d5-N-EtFOSAA	520.6	0	0	400	0	130	50-130	0	S
Surr: 13C3-HFPO-DA	384.3	0	0	400	0	96.1	50-130	0	

Note:

See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 10 of 21

# QC BATCH REPORT

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026 Instrument ID LCMS1 Method: D7968-17a

MBLK2 Sampl	e ID: <b>MBLK2-178</b> 0	26-178026			Ur	nits: <b>ng/K</b>	(g	Analysis	Date: 6/	5/2021 0	2:00 AN
Client ID:		Run ID: LCN	IS1_210	0604D	Seq	No: <b>746</b> 3	3754	Prep Date: 6/4/20	021	DF: <b>1</b>	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qua
Perfluorobutanoic Acid (PFB	Α΄ U	42	120	0	0	0		0			
Perfluoropentanoic Acid (PFF	Pŧ U	17	120		0	0		0			
Perfluorohexanoic Acid (PFH		15	120		0	0		0			
Perfluoroheptanoic Acid (PFI		17	120		0	0		0			
Perfluorooctanoic Acid (PFO		11	25	0	0	0		0			
Perfluorononanoic Acid (PFN	IA U	13	25	0	0	0		0			
Perfluorodecanoic Acid (PFD		19	120		0	0		0			
Perfluoroundecanoic Acid (P		21	120		0	0		0			
Perfluorododecanoic Acid (P		26	120		0	0		0			
Perfluorotridecanoic Acid (PF	•	28	120		0	0		0			
Perfluorotetradecanoic Acid (		40	120		0	0		0			
Perfluorobutanesulfonic Acid		17	25		0	0		0			
Perfluoropentanesulfonic Aci	•	14	25		0	0		0			
Perfluorohexanesulfonic Acid		24	120		0	0		0			
Perfluoroheptanesulfonic Aci	·	22	120		0	0		0			
Perfluorooctanesulfonic Acid		10	25		0	0		0			
Perfluorononanesulfonic Acid	•	22	120		0	0		0			
Perfluorodecanesulfonic Acid		13	25		0	0		0			
Fluorotelomer Sulphonic Acid	_	28	120		0	0		0			
Fluorotelomer Sulphonic Acid		48	120		0	0		0			
Fluorotelomer Sulphonic Acid		59	120		0	0		0			
Perfluorooctanesulfonamide		8.5	25		0	0		0			
N-Ethylperfluorooctanesulfon	•	49	120		0	0		0			
N-Methylperfluorooctanesulfo		31	120		0	0		0			
11CI-Pf3OUdS	U U	10	25		0	0		0			
1,8-Dioxa-3H-perfluorononan		6.1	25		0	0		0			
OCI-PF3ONS	U U	4.8	25		0	0		0			
Hexafluoropropylene oxide d		100	120		0	0		0			
Surr: 13C4-PFBA	380.8	0	0		0	95.2	50-130	0			
Surr: 13C5-PFPeA	383.6	0	0		0	95.9	50-130	0			
Surr: 13C2-PFHxA		0	0		0		50-130	·			
Surr: 13C4-PFHpA	397.6							0			
Surr: 13C4-PFOA	375.2 377.3	0	0		0	93.8 94.3	50-130	0			
Surr: 13C5-PFNA		0_	0		0		70-130				
Surr: 13C2-PFDA	403.8	0	0		0	101	70-130				
Surr: 13C2-PFUnA	387	0_	0		0	96.7	70-130	0			
Surr: 13C2-PFUNA Surr: 13C2-PFDoA	367	0	0		0	91.8	70-130				
	393.1	0	0		0	98.3	70-130	0			
Surr: 13C2-PFTeA	408.8	0	0		0	102	50-130	0			
Surr: 13C3-PFBS	376	0	0		0	94	50-130	0			
Surr: 1802-PFHxS	371.3	0	0		0	98.2	70-130	0			
Surr: 13C4-PFOS	365.9	0	0		0	95.5	70-130	0			
Surr: 13C2-FtS 4:2	316.2	0	0	373	0	84.8	50-130	0			

Client: Fishbeck, Inc.
Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026	Instrument ID LCMS1		M	1ethod:	D7968-17a			
Surr: 13C2-FtS 8:2	346.2	0	0	383	0	90.4	50-130	0
Surr: 13C8-FOSA	402.1	0	0	400	0	101	50-130	0
Surr: d3-N-MeFOSAA	401.6	0	0	400	0	100	50-130	0
Surr: d5-N-EtFOSAA	461.3	0	0	400	0	115	50-130	0
Surr: 13C3-HFPO-DA	412.6	0	0	400	0	103	50-130	0

Note:

See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 12 of 21

# QC BATCH REPORT

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026 Instrument ID LCMS1 Method: D7968-17a

MS S	ample ID: <b>21060057</b> -	-03A MS			Ur	its: <b>ng/K</b>	(g	Analysis	Date: 6/	/5/2021 02	2:31 AN
Client ID: STC-21-05-SI	udge/Biosolids(I)	Run ID: LCI	MS1_210	604D	Seq	No: <b>746</b> 3	3756	Prep Date: 6/4/20	21	DF: <b>1</b>	
Analyte	Resu	lt MDL	DOI.	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Perfluorobutanoic Acid (									70KPD		Quai
Perfluoropentanoic Acid (			120	500	81.08	72.2	50-130	0			
Perfluoropentarioic Acid			120	500	32.2	73.2	70-130	0			
			120	500	88.22	94.3	50-130	0			
Perfluoroheptanoic Acid Perfluorooctanoic Acid (			120 25	500	11.58	82.7	50-130	0			
Perfluorononanoic Acid				500	81.92	85.3	70-130				
Perfluorodecanoic Acid	`		25 120	500	29.11	83	70-130	0			
Perfluoroundecanoic Acid			120	500	121.6	83.5	70-130				
Perfluorododecanoic Ac	`			500	25.82	79.3	70-130 70-130	0			S
Perfluorotridecanoic Aci	•		120	500	46.03	55.6					
	,		120	500	12	16.8	70-130	0			JS
Perfluorotetradecanoic A Perfluorobutanesulfonic		J 40	120	500	0	0	70-130	0			S
Perfluoropentanesulfonio	,		25	442	0	80.1	70-130 70-130	0			
•			25	469	0	77.6		0			
Perfluorohexanesulfonio			120	455	0	70.3	70-130	0			
Perfluoroheptanesulfonio			120	476	0	87.2	70-130	0			0
Perfluorooctanesulfonic	, , , , , , , , , , , , , , , , , , , ,		25	464	246.2	63.7	70-130	0			S
Perfluorononanesulfonio			120	480	0	67.6	70-130	0			S
Perfluorodecanesulfonio			25	482	0	63.1	70-130	0			S
Fluorotelomer Sulphonic			120	467	0	270	70-130	0			S
Fluorotelomer Sulphonic			120	474	0	415	70-130	0			BS
Fluorotelomer Sulphonic			120	479	107.2	498	70-130	0			S
Perfluorooctanesulfonar	, -		25	500	13.96	24.2	70-130	0			S
N-Ethylperfluorooctanes			120	500	239.7	125	70-130	0			
N-Methylperfluorooctane			120	500	300.7	104	70-130	0			
11CI-Pf3OUdS	224.		25	471	2.525	47.1	70-130	0			S
4,8-Dioxa-3H-perfluoron			25	471	0	82.1	70-130	0			
9CI-PF3ONS	33		25	466	0	71.3	70-130	0			
Hexafluoropropylene oxi			120	500	0	82.8	50-130	0			
Surr: 13C4-PFBA	302.		0	400	0	75.6	50-130	0			
Surr: 13C5-PFPeA	305.	90	0	400	0	76.5	50-130	0			
Surr: 13C2-PFHxA	347.	9 0	0	400	0	87	50-130	0			
Surr: 13C4-PFHpA	340.	<u>5</u> 0_	0	400	0	85.1	50-130	0			
Surr: 13C4-PFOA	344.	3 0	0	400	0	86.1	70-130	0			
Surr: 13C5-PFNA	342.	1 0	0	400	0	85.5	70-130	0			
Surr: 13C2-PFDA	326.	9 0	0	400	0	81.7	70-130	0			
Surr: 13C2-PFUnA	296.	9 0	0	400	0	74.2	70-130	0			
Surr: 13C2-PFDoA	203.	9 0	0	400	0	51	70-130	0			S
Surr: 13C2-PFTeA	26.1	3 0	0	400	0	6.53	50-130	0			S
Surr: 13C3-PFBS	287.	6 0	0	400	0	71.9	50-130	0			
Surr: 18O2-PFHxS	298.	3 0	0	378	0	78.9	70-130	0			
Surr: 13C4-PFOS	293.	6 0	0	383	0	76.6	70-130	0			
Surr: 13C2-FtS 4:2	903.	3 0	0	373	0	242	50-130	0			S
Surr: 13C2-FtS 6:2	127		0	380	0	335					S

Client: Fishbeck, Inc.
Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026	Instrument ID LCMS1		M	1ethod:	D7968-17a				
Surr: 13C2-FtS 8:2	1623	0	0	383	0	424	50-130	0	S
Surr: 13C8-FOSA	109.6	0	0	400	0	27.4	50-130	0	S
Surr: d3-N-MeFOSAA	387.2	0	0	400	0	96.8	50-130	0	
Surr: d5-N-EtFOSAA	479.6	0	0	400	0	120	50-130	0	
Surr: 13C3-HFPO-DA	339	0	0	400	0	84.8	50-130	0	

Note:

See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 14 of 21

# QC BATCH REPORT

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026 Instrument ID LCMS1 Method: D7968-17a

MSD Sa	mple ID: <b>21060057</b>	-03A MSD		Un	its: <b>ng/K</b>	(g	Analysis	5/2021 02:42 AM			
Client ID: STC-21-05-SIL	ıdge/Biosolids(I)	Run ID: LC	MS1_210	604D	Seq	No: <b>7463</b>	3757	Prep Date: 6/4/2	021	DF: <b>1</b>	
Analyta	Decu	It MDI	DOL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Ougl
Analyte	Resu										Qual
Perfluorobutanoic Acid (F Perfluoropentanoic Acid (			120	500	81.08	65.5	50-130	442.3	7.92 5.3	30	0
Perfluoropentarioic Acid (	•		120	500	32.2	69.1	70-130	398.1	18	30	S
Perfluoroheptanoic Acid (			120 120	500	88.22	75.8	50-130	559.5	5.67	30	
Perfluorooctanoic Acid (F				500	11.58	87.6	50-130	425	4.76	30	
Perfluorooctanoic Acid (F			25	500 500	81.92	80.6	70-130	508.5	0.637	30	
Perfluorodecanoic Acid (			25 120	500 500	29.11 121.6	82.4 72.9	70-130 70-130	444 539	10.3	30 30	
Perfluoroundecanoic Acid (			120				70-130	422.4	20.8	30	S
Perfluorododecanoic Acid	•		120	500 500	25.82 46.03	63.4 47.3	70-130	324.1	13.7	30	S
Perfluorotridecanoic Acid	•		120	500	12	14.6	70-130	95.94	0	30	JS
Perfluorotetradecanoic A						0	70-130		0	30	S
Perfluorobutanesulfonic A	•		120 25	500 442	0	76.1	70-130	28.52 353.8	5.11	30	3
Perfluoropentanesulfonic	,		25	469	0	70.1	70-130	363.8	9.49	30	
Perfluorohexanesulfonic			120	455	0	67.6	70-130	319.8	3.89	30	S
Perfluoroheptanesulfonic	33		120	476	0	75.1	70-130	414.8	14.9	30	3
Perfluorooctanesulfonic			25	464	246.2	61.6	70-130	541.8	1.84	30	S
Perfluorononanesulfonic	,		120	480	0	61	70-130	324.4	10.3	30	S
Perfluorodecanesulfonic			25	482	0	44.6	70-130	303.9	34.2	30	SR
Fluorotelomer Sulphonic			120	467	0	247	70-130	1263	9.02	30	S
Fluorotelomer Sulphonic			120	474	0	364	70-130	1967	13.2	30	BS
Fluorotelomer Sulphonic			120	479	107.2	440	70-130	2494	12	30	S
Perfluorooctanesulfonam			25	500	13.96	21.9	70-130	134.9	8.79	30	S
N-Ethylperfluorooctanesu	•		120	500	239.7	139	70-130	864.5	7.6	30	S
N-Methylperfluorooctane			120	500	300.7	120	70-130	821.7	9.17	30	
11CI-Pf3OUdS	225.		25	471	2.525	47.4	70-130	224.5	0.529	30	S
4,8-Dioxa-3H-perfluorono			25	471	2.323	76.2	70-130	386.8	7.45	30	3
9CI-PF3ONS	316.		25	466	0	67.8	70-130	332	4.92	30	S
Hexafluoropropylene oxid			120	500	0	66.6	50-130	413.9	21.6	30	
Surr: 13C4-PFBA	314.		0	400	0	78.6	50-130	302.2	4	30	
Surr: 13C5-PFPeA	30		0	400	0	76.3	50-130	305.9	0.273	30	
Surr: 13C2-PFHxA	332.		0	400	0	83.2	50-130		4.47	30	
Surr: 13C4-PFHpA	338.		0	400	0	84.7	50-130		0.53	30	
Surr: 13C4-PFOA	336.		0	400	0	84.1	70-130		2.3	30	
Surr: 13C5-PFNA	338.		0	400	0	84.7	70-130		1.02	30	
Surr: 13C2-PFDA	327.		0	400	0	81.8	70-130		0.112	30	
Surr: 13C2-PFUnA	270.		0	400	0	67.5	70-130		9.42	30	S
Surr: 13C2-PFDoA	214.		0	400	0	53.6	70-130		4.92	30	S
Surr: 13C2-PFTeA	23.7		0	400	0	5.94	50-130		9.55	30	S
Surr: 13C3-PFBS	277.		0	400	0	69.3	50-130		3.67	30	Ū
Surr: 1802-PFHxS	283.		0	378	0	74.9	70-130		5.2		
Surr: 13C4-PFOS	231.		0	383	0	60.5	70-130		23.5	30	S
Surr: 13C2-FtS 4:2	890.		0	373	0	239	50-130		1.45	30	S
Surr: 13C2-FtS 6:2	123		0	380	0	324			3.19	30	S

QC BATCH REPORT Fishbeck, Inc. Work Order: 21060057

St. Clair/IPP Development (210245) **Project:** 

**Client:** 

Batch ID: 178026	Instrument ID LCMS1		N	1ethod:	D7968-17a						
Surr: 13C2-FtS 8:2	1362	0	0	383	0	356	50-130	1623	17.5	30	S
Surr: 13C8-FOSA	104.5	0	0	400	0	26.1	50-130	109.6	4.83	30	S
Surr: d3-N-MeFOSAA	389	0	0	400	0	97.3	50-130	387.2	0.466	30	
Surr: d5-N-EtFOSAA	423.4	0	0	400	0	106	50-130	479.6	12.5	30	
Surr: 13C3-HFPO-DA	355	0	0	400	0	88.8	50-130	339	4.61	30	

LCS1 S	ample ID: LCS1-	178026	5-178026			Ur	nits: <b>ng/K</b>	(g	Analysis Date: 6/5/2021 01:28 Al				
Client ID:			Run ID: LCM	S1_210	604D	Seq	No: <b>7463</b>	751	Prep Date: 6/4/2021	DF: <b>1</b>			
Analyte	R	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value %RPD	RPD Limit	Qua		
Perfluorooctanoic Acid (	PFOA 3	35.07	11	25	25	0	140	35-150	0				
Perfluorononanoic Acid	(PFNA 2	25.96	13	25	25	0	104	35-150	0				
Perfluorobutanesulfonic	Acid (	25.89	17	25	22	0	118	35-150	0				
Perfluoropentanesulfoni	c Acid 2	22.17	14	25	23.5	0	94.4	35-150	0		J		
Perfluorooctanesulfonic	Acid (I	16.32	10	25	23	0	71	35-150	0		J		
Perfluorodecanesulfonio	Acid (	40.55	13	25	24	0	169	35-150	0		S		
Perfluorooctanesulfonar	nide (F 3	35.54	8.5	25	25	0	142	35-150	0				
11CI-Pf3OUdS	2	27.07	10	25	23.5	0	115	35-150	0				
4,8-Dioxa-3H-perfluoron	onano 2	25.79	6.1	25	23.5	0	110	35-150	0				
9CI-PF3ONS	2	24.92	4.8	25	23	0	108	35-150	0		J		
Surr: 13C4-PFBA	3	391.7	0	0	400	0	97.9	50-130	0				
Surr: 13C5-PFPeA	3	382.5	0	0	400	0	95.6	50-130	0				
Surr: 13C2-PFHxA	4	410.2	0	0	400	0	103	50-130	0				
Surr: 13C4-PFHpA	3	397.7	0	0	400	0	99.4	50-130	0				
Surr: 13C4-PFOA	3	388.5	0	0	400	0	97.1	70-130	0				
Surr: 13C5-PFNA	3	394.1	0	0	400	0	98.5	70-130	0				
Surr: 13C2-PFDA	2	410.3	0	0	400	0	103	70-130	0				
Surr: 13C2-PFUnA	3	396.4	0	0	400	0	99.1	70-130	0				
Surr: 13C2-PFDoA	4	421.2	0	0	400	0	105	70-130	0				
Surr: 13C2-PFTeA	2	414.4	0	0	400	0	104	50-130	0				
Surr: 13C3-PFBS		368.1	0	0	400	0	92	50-130	0				
Surr: 18O2-PFHxS	3	362.6	0	0	378	0	95.9	70-130	0				
Surr: 13C4-PFOS	3	378.8	0	0	383	0	98.9	70-130	0				
Surr: 13C2-FtS 4:2	3	328.9	0	0	373	0	88.2	50-130	0				
Surr: 13C2-FtS 6:2	3	304.4	0	0	380	0	80.1	50-130	0				
Surr: 13C2-FtS 8:2		324	0	0	383	0	84.6	50-130	0				
Surr: 13C8-FOSA		408.4	0	0	400	0	102	50-130	0				
Surr: d3-N-MeFOSAA		411.4	0	0	400	0	103	50-130	0		-		
Surr: d5-N-EtFOSAA	2	468.5	0	0	400	0	117	50-130	0				
Surr: 13C3-HFPO-DA	. 3	396.5	0	0	400	0	99.1	50-130	0				

# QC BATCH REPORT

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026 Instrument ID LCMS1 Method: D7968-17a

LCS2 S	ample ID: LCS2-178	026-178026			Ur	nits: <b>ng/K</b>	(g	Analysis Date: 6/5/2021 01:49 AN				
Client ID:		Run ID: LC	MS1_210	0604D	Seq	No: <b>746</b> 3	3753	Prep Date: 6/4/202	21	DF: <b>1</b>		
Analyte	Resu	lt MDL	DOL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Perfluorobutanoic Acid (							50-130		/0KFD		Quai	
Perfluoropentanoic Acid			120 120		0	96.4 95		0				
Perfluorohexanoic Acid	•		120		0	96.5	70-130 50-130	0				
Perfluoroheptanoic Acid			120		0	95.1	50-130	0				
Perfluorooctanoic Acid (			25		0	95.1	70-130	0				
Perfluorononanoic Acid			25		0	103	70-130	0				
Perfluorodecanoic Acid	`		120		0	100	70-130	0				
Perfluoroundecanoic Acid	•		120		0	92.9	70-130	0				
Perfluorododecanoic Ac	•		120		0	102	70-130	0				
Perfluorotridecanoic Acid	•		120		0	118	70-130	0				
Perfluorotetradecanoic Act	,		120		0	139	70-130	0			S	
Perfluorobutanesulfonic			25		0	97.6	70-130	0			3	
Perfluoropentanesulfonio	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<del>-</del>	25		0	99.3	70-130	0				
Perfluorohexanesulfonic			120		0	93	70-130	0				
Perfluoroheptanesulfonio			120		0	94.1	70-130	0				
Perfluorooctanesulfonic			25		0	97.6	70-130	0				
Perfluorononanesulfonio	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		120		0	92.7	70-130	0				
Perfluorodecanesulfonic			25		0	101	70-130	0				
Fluorotelomer Sulphonic			120		0	92.6	70-130	0				
Fluorotelomer Sulphonic			120		0	105	70-130	0			В	
Fluorotelomer Sulphonic			120		0	122	70-130	0				
Perfluorooctanesulfonan			25		0	104	70-130	0				
N-Ethylperfluorooctanes	·		120		0	118	70-130	0				
N-Methylperfluorooctane			120		0	113	70-130	0				
11CI-Pf3OUdS	521.		25		0	111	70-130	0				
4,8-Dioxa-3H-perfluoron			25		0	101	70-130	0				
9CI-PF3ONS	461.		25		0	99	70-130	0				
Hexafluoropropylene oxi			120		0	92.7	50-130	0				
Surr: 13C4-PFBA	384.		0		0	96	50-130	0				
Surr: 13C5-PFPeA	388.		0		0	97		0				
Surr: 13C2-PFHxA	395.		0		0	98.8	50-130	0				
Surr: 13C4-PFHpA	387.		0		0	96.9	50-130	0				
Surr: 13C4-PFOA	403.	<del>-</del>	0		0	101	70-130	0				
Surr: 13C5-PFNA	396.		0		0	99.2	70-130	0				
Surr: 13C2-PFDA	40		0		0	100	70-130	0				
Surr: 13C2-PFUnA	364.		0		0	91.1	70-130	0				
Surr: 13C2-PFDoA	426.		0		0	107	70-130	0				
Surr: 13C2-PFTeA	439.		0		0	110	50-130	0				
Surr: 13C3-PFBS	368.		0		0	92.1	50-130	0				
Surr: 1802-PFHxS	383.		0		0	101	70-130	0				
Surr: 13C4-PFOS	368.		0		0	96.2	70-130	0				
Surr: 13C2-FtS 4:2	335.		0		0	89.9	50-130	0				
Surr: 13C2-FtS 6:2	339.		0		0	89.3	50-130	0				

Client: Fishbeck, Inc.
Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: <b>178026</b>	Instrument ID LCMS1		M	lethod:	D7968-17a			
Surr: 13C2-FtS 8:2	323.5	0	0	383	0	84.5	50-130	0
Surr: 13C8-FOSA	406.3	0	0	400	0	102	50-130	0
Surr: d3-N-MeFOSAA	434.3	0	0	400	0	109	50-130	0
Surr: d5-N-EtFOSAA	481	0	0	400	0	120	50-130	0
Surr: 13C3-HFPO-DA	413.1	0	0	400	0	103	50-130	0

Note:

See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 18 of 21

# QC BATCH REPORT

Client: Fishbeck, Inc.
Work Order: 21060057

**Project:** St. Clair/IPP Development (210245)

Batch ID: 178026 Instrument ID LCMS1 Method: D7968-17a

LCS3	Sample ID: LC	S3-178026			Un	its: <b>ng/K</b>	(g	Analysis Date: 6/5/2021 01:39 AN				
Client ID:			Run ID: LCM	S1_2106	604D	Seq	No: <b>7463</b>	752	Prep Date: 6/4/2	021	DF: <b>1</b>	
Analyte		Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qua
Perfluorobutanoic Acid	(PFBA	117.5	42	120	125	0	94	35-150	0			J
Perfluoropentanoic Ac	id (PFPe	109.2	17	120	125	0	87.3	35-150	0			J
Perfluorohexanoic Acid	d (PFHx	121.8	15	120	125	0	97.4	35-150	0			
Perfluoroheptanoic Ac	id (PFH <sub>I</sub>	116.4	17	120	125	0	93.1	35-150	0			J
Perfluorooctanoic Acid	(PFOA	118.1	11	25	125	0	94.5	35-150	0			
Perfluorononanoic Acid	d (PFNA	126.2	13	25	125	0	101	35-150	0			
Perfluorodecanoic Acid	d (PFDA	123.2	19	120	125	0	98.6	35-150	0			
Perfluoroundecanoic A	cid (PF	110.9	21	120	125	0	88.7	35-150	0			J
Perfluorododecanoic A		107.9	26	120	125	0	86.3	35-150	0			J
Perfluorotridecanoic A	cid (PF1	131.8	28	120	125	0	105	35-150	0			
Perfluorotetradecanoio		143.4	40	120	125	0	115	35-150	0			
Perfluorobutanesulfoni	c Acid (	93.75	17	25	110	0	85.2	35-150	0			
Perfluoropentanesulfo	nic Acid	123.5	14	25	118	0	105	35-150	0			
Perfluorohexanesulfon	ic Acid (	106.7	24	120	115	0	92.8	35-150	0			J
Perfluoroheptanesulfor	nic Acid	112.6	22	120	120	0	93.9	35-150	0			J
Perfluorooctanesulfoni	c Acid (	88.75	10	25	115	0	77.2	35-150	0			
Perfluorononanesulfor	ic Acid	107.5	22	120	120	0	89.6	35-150	0			J
Perfluorodecanesulfon	ic Acid (	105.6	13	25	120	0	88	35-150	0			
Fluorotelomer Sulphor	ic Acid	104.1	28	120	118	0	88.2	35-150	0			J
Fluorotelomer Sulphor	ic Acid	128.5	48	120	118	0	109	35-150	0			В
Fluorotelomer Sulphor	ic Acid	132.3	59	120	120	0	110	35-150	0			
Perfluorooctanesulfona	amide (F	126.8	8.5	25	125	0	101	35-150	0			
N-Ethylperfluorooctane	esulfona	136.6	49	120	125	0	109	35-150	0			
N-Methylperfluoroocta	nesulfor	103.1	31	120	125	0	82.5	35-150	0			J
11CI-Pf3OUdS		109.5	10	25	118	0	92.8	35-150	0			
4,8-Dioxa-3H-perfluoro	nonano	110.1	6.1	25	118	0	93.3	35-150	0			
9CI-PF3ONS		108.2	4.8	25	118	0	91.7	35-150	0			
Hexafluoropropylene o	xide din	100.81	100	120	125	0	80.6	35-150	0			J
Surr: 13C4-PFBA		394.1	0	0	400	0	98.5	50-130	0			
Surr: 13C5-PFPeA		395.3	0	0	400	0	98.8	50-130	0			
Surr: 13C2-PFHxA		414.2	0	0	400	0	104	50-130	0			
Surr: 13C4-PFHpA		391.6	0	0	400	0	97.9	50-130	0			
Surr: 13C4-PFOA		396.1	0	0	400	0	99	70-130	0			
Surr: 13C5-PFNA		414.7	0	0	400	0	104	70-130	0			
Surr: 13C2-PFDA		418.6	0	0	400	0	105	70-130	0			
Surr: 13C2-PFUnA		391.6	0	0	400	0	97.9	70-130	0			
Surr: 13C2-PFDoA		415.4	0	0	400	0	104	70-130	0			
Surr: 13C2-PFTeA		381.6	0	0	400	0	95.4	50-130	0			
Surr: 13C3-PFBS		378.5	0	0	400	0	94.6	50-130	0			
Surr: 18O2-PFHxS		360.7	0	0	378	0	95.4	70-130	0			
Surr: 13C4-PFOS		384.3	0	0	383	0	100	70-130	0			
Surr: 13C2-FtS 4:2		331.7	0	0	373	0	88.9	50-130	0			
Surr: 13C2-FtS 6:2		324.3	0	0	380	0	85.3	50-130	0			

Client: Fishbeck, Inc.

Work Order: 21060057

QC BATCH REPORT

**Project:** St. Clair/IPP Development (210245)

Batch ID: <b>178026</b>	Instrument ID LCMS1		M	lethod:	D7968-17a			
Surr: 13C2-FtS 8:2	377	0	0	383	0	98.4	50-130	0
Surr: 13C8-FOSA	404.7	0	0	400	0	101	50-130	0
Surr: d3-N-MeFOSAA	427	0	0	400	0	107	50-130	0
Surr: d5-N-EtFOSAA	495.9	0	0	400	0	124	50-130	0
Surr: 13C3-HFPO-DA	409	0	0	400	0	102	50-130	0

The following samples were analyzed in this batch:

21060057-03A

**Client:** Fishbeck, Inc. Work Order: 21060057

QC BATCH REPORT

St. Clair/IPP Development (210245) **Project:** 

Batch ID: <b>R319043</b>	Instrument ID MOIS	т	Method:	SW3550C
MBLK	Sample ID: WBLKS-R319	9043		Units: % of sample Analysis Date: 6/3/2021 03:37 PM
Client ID:		Run ID: MO	IST_210603E	SeqNo: <b>7457855</b> Prep Date: DF: <b>1</b>
Analyte	Result	MDL	PQL SPK Val	SPK Ref Control RPD Ref RPD Value %REC Limit Value %RPD Limit Qua
Moisture	U	0.1	0.10	
LCS	Sample ID: LCS-R319043	3		Units: % of sample Analysis Date: 6/3/2021 03:37 PM
Client ID:		Run ID: MO	IST_210603E	SeqNo: <b>7457854</b> Prep Date: DF: <b>1</b>
Analyte	Result	MDL	PQL SPK Val	SPK Ref Control RPD Ref RPD Value %REC Limit Value %RPD Limit Qua
Moisture	99.99	0.1	0.10 100	0 100 98-102 0
DUP	Sample ID: <b>21060059-03</b>	B DUP		Units: % of sample Analysis Date: 6/3/2021 03:37 PM
Client ID:		Run ID: MO	IST_210603E	SeqNo: <b>7457838</b> Prep Date: DF: <b>1</b>
Analyte	Result	MDL	PQL SPK Val	SPK Ref Control RPD Ref RPD Value %REC Limit Value %RPD Limit Qua
Moisture	12.68	0.1	0.10 0	0 0 0-0 12.7 0.158 10
DUP	Sample ID: <b>21060187-03</b> /	A DUP		Units: % of sample Analysis Date: 6/3/2021 03:37 PM
Client ID:		Run ID: MO	IST_210603E	SeqNo: <b>7457844</b> Prep Date: DF: <b>1</b>
Analyte	Result	MDL	PQL SPK Val	SPK Ref Control RPD Ref RPD Value %REC Limit Value %RPD Limit Qua
Moisture	16.75	0.1	0.10 0	0 0 0-0 16.09 4.02 10
The following samp	oles were analyzed in this	batch:	21060057-03A	

C10000031

Invoice to: Accounts Payable Report to: Penni Mahler fishbeck **CHAIN OF** Email: pdmahler@fishbeck.com Email: acpay@fishbeck.com Address: 1515 Arboretum Dr. SE **CUSTODY RECORD** Grand Rapids, MI 49546 Copy to: Lab Quote Email: Reference: 616.575.3824 Phone: PROJECT NAME PROJECT NO. PAGE of 1 **MATRIX TYPE REQUIRED ANALYSES** St. Clair/IPP Development 210245 PROJECT LOCATION SAMPLER(S) NAME LNC St. Clair, MI STD TAT PROJECT MANAGER PHONE 616.464.3 PFAS/537 M/28 list EMAIL **RUSH TAT** ADDITIONAL INFORMATION NONAQUEOUS LIQUID AQUEOUS (WATER) SOLID/SEMI-SOLID DATE DUE: SAMPLE REMARKS None SAMPLE IDENTIFICATION NUMBER OF CONTAINERS SUBMITTED DATE TIME 5128121 1050 STC-21-05-WW-INF(I) Х STC-21-05-WW-EFF(I) Х 1105 STC-21-05-Sludge/Biosolids(I) STC-21-05-QCFB Х

RELINQUISHIPD BY

RECEIVED BY

RELINGUISHED BY

RECEIVED BY

DATE

TIME

RELINQUISHED BY

**RECEIVED BY** 

DATE

DATE

5/28/21

TIME

TIME

TIME

METHOD OF SHIPMENT/TRACKING NUMBER

RECEVED FOR LAK

DATE

#### Sample Receipt Checklist

Client Name:	FTCH - GR				Date/Time	Received:	28-N	lay-21	<u>15:00</u>	
Work Order:	21060057			F	Received b	y:	<u>DS</u>			
Checklist compl	leted by <u>Diane Shaw</u>	01	-Jun-21 Date	Revie	ewed by:	Ehrland eSignature		rth		02-Jun-21 Date
Matrices: Carrier name:	Water Client	ı								l
Shipping contai	ner/cooler in good condition?		Yes	✓	No 🗌	Not Pr	esent			
Custody seals in	ntact on shipping container/coole	r?	Yes		No 🗌	Not Pr	esent	<b>✓</b>		
Custody seals in	ntact on sample bottles?		Yes		No 🗌	Not Pr	esent	<b>✓</b>		
Chain of custod	y present?		Yes	✓	No 🗌					
Chain of custod	ly signed when relinquished and r	received?	Yes	✓	No 🗌					
Chain of custod	ly agrees with sample labels?		Yes	✓	No 🗌					
Samples in prop	per container/bottle?		Yes	✓	No 🗌					
Sample contain	ers intact?		Yes	✓	No 🗌					
Sufficient samp	le volume for indicated test?		Yes	✓	No 🗌					
All samples rec	eived within holding time?		Yes	<b>✓</b>	No 🗌					
Container/Temp	o Blank temperature in complianc	e?	Yes	✓	No 🗌					
Sample(s) recei Temperature(s)	ived on ice? /Thermometer(s):		Yes 4.0/4.0		No 🗆		IR1			
Cooler(s)/Kit(s):	:									
	ple(s) sent to storage:			1 12:38:2		NE VOA		- :441	<b>✓</b>	
	als have zero headspace?		Yes		No 🗔	No VOA vi		nitted		
	eptable upon receipt?		Yes		No L	N/A V				
pH adjusted? pH adjusted by:			Yes		No 🗔	N/A <b>✓</b>	]			
Login Notes:										
· ·										
	- — — — — — — — -									
	- — — — — — — — —					- — — —				
Client Contacte	d:	Date Contacted:			Person	Contacted:				
Contacted By:		Regarding:								
		· 3-····3·								
Comments:										
CorrectiveAction	n:									
									SRC F	Page 1 of 1