



June 26, 2024

Client: Lawton (MP) PWA DW
East Lake Drive
Medicine Park, OK 73557



Requested By: -

National
Environmental
Laboratory
Accreditation
Program
ODEQ TNI Certified

Sample Project Name: UCMR5
Date Samples Received: June 05, 2024 Time: 21:00 sample temp upon arrival at lab = 5.70°C - On Ice
Matrix: Drinking Water

Lab Log Numbers: **GF05160-01** **GF05160-02** **GF05160-03** **GF05160-04**

Work Order: GF05160
Report # GF05160-0626240852

EPA Lab ID#'s: **Stillwater OK00092** **Tulsa OK00983** **OKC OK00129** **ICR OK 001**

Oklahoma Certification: Stillwater NELAP WasteWater, ODEQ 8316/ Drinking Water, DEQ D9602
NELAP Tulsa WasteWater, ODEQ 9905 / Drinking Water, DEQ D9901
Oklahoma City NELAP WasteWater ODEQ 7202 / Drinking Water, DEQ D9937

Kansas Certification: Stillwater NELAP CERT # E-10219

Method Reference: 40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update VI. Standard Methods 2005 (21st Edition), Standard Methods 2011 (22nd Edition), Standard Methods 2017 (23rd Edition) for the Examination of Water and Wastewater.

Analysis Reference: If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows: @= Tulsa Lab and * = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab.

Accurate Environmental Laboratories certify that the test results performed meet all requirements of TNI. Any exceptions to this can be found in the report notes, Quality Control section, or Method/Parameter section of the report.
- No cert. = Laboratory does not carry certification for this method/analysis.
- Non-TNI = Laboratory has state certification but method does not fall under TNI certification.

This report is to only be replicated in its entirety.

Revised or Amended reports supersede all previous reports.

Accurate Environmental sampling protocol was followed for any sampling performed by Accurate Field Services.

Field accreditation certification only applies to wastewater analysis. Field analysis for drinking water methods are not offered as part of the ODEQ's field certification program.

Sample: TP002

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 6/5/24 11:00

Lab Log# GF05160-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Lithium (Li) EPA 200.7 UCMR5	Lithium	BPQL ug/L		9.00	06/14/24 10:40 LF	06/15/24 11:17 LF
Perfluorinated Comps by EPA 537.1 UCMR5	NMeFOSAA	BPQL ug/L		0.00580	06/10/24 08:43 MLJ	06/11/24 23:26 MMV
Perfluorinated Comps by EPA 537.1 UCMR5	NEtFOSAA	BPQL ug/L		0.00470	06/10/24 08:43 MLJ	06/11/24 23:26 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	0.00472 ug/L		0.00455	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotridecanoic acid (PFTrDA)	BPQL ug/L		0.00650	06/10/24 08:43 MLJ	06/11/24 23:26 MMV
Perfluorinated Comps by EPA 533 UCMR5	PFMPA	BPQL ug/L		0.00364	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotetradecanoic acid (PFTA)	BPQL ug/L		0.00727	06/10/24 08:43 MLJ	06/11/24 23:26 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	PFMBA	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	NFDHA	BPQL ug/L		0.0182	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	BPQL ug/L		0.00364	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	BPQL ug/L		0.00455	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	BPQL ug/L		0.00455	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	BPQL ug/L		0.00364	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	BPQL ug/L		0.00364	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	BPQL ug/L		0.00364	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	BPQL ug/L		0.00182	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	BPQL ug/L		0.00455	06/11/24 08:54 MLJ	06/12/24 02:37 MMV

Sample:

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 6/5/24 11:00

Lab Log# GF05160-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	BPQL ug/L		0.00182	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	BPQL ug/L		0.00455	06/11/24 08:54 MLJ	06/12/24 02:37 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	BPQL ug/L		0.00273	06/11/24 08:54 MLJ	06/12/24 02:37 MMV

Sample: Field Blank for TP002

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 6/5/24 11:00

Lab Log# GF05160-02

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	PFMPA	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	PFMBA	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	NFDHA	BPQL ug/L		0.0179	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	BPQL ug/L		0.00179	06/17/24 09:07 MLJ	06/19/24 01:19 MMV

Sample:

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 6/5/24 11:00

Lab Log# GF05160-02

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	BPQL ug/L		0.00179	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:19 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:19 MMV

Sample: TP003

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 6/5/24 7:35

Lab Log# GF05160-03

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Lithium (Li) EPA 200.7 UCMR5	Lithium	BPQL ug/L		9.00	06/14/24 10:40 LF	06/15/24 11:20 LF
Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	PFMPA	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	PFMBA	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	NFDHA	BPQL ug/L		0.0179	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:50 MMV

Sample:

Location Code:

PWSID#:

Collection Type: Grab

Sample Time:

6/5/24 7:35

Lab Log# GF05160-03

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	BPQL ug/L		0.00357	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	BPQL ug/L		0.00179	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	BPQL ug/L		0.00179	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	BPQL ug/L		0.00446	06/17/24 09:07 MLJ	06/19/24 01:50 MMV
Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	BPQL ug/L		0.00268	06/17/24 09:07 MLJ	06/19/24 01:50 MMV

Notes and Definitions

#52 Analyte recoveries are outside of acceptance limits for the matrix spike sample. This failure does not invalidate data reported.

MCL Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.

Analyte concentration may exceed regulatory limit.

PQL Practical Quantitation Limit - the method reporting limit (MRL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects

BPQL Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: 19 A 02 15 - BLK = 2019, Jan 2, Batch #15 - Blank)

Lab Manager



Blank Data

QC Lab #	Test Group	Test	Result	PQL	Flags
24F1457-BLK1	Lithium (Li) EPA 200.7 UCMR5	Lithium	BPQL ug/L	9.00	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	NMeFOSAA	BPQL ug/L	0.00600	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	NEtFOSAA	BPQL ug/L	0.00500	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	BPQL ug/L	0.00500	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	BPQL ug/L	0.00500	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotridecanoic acid (PFTrDA)	BPQL ug/L	0.00700	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	PFMPA	BPQL ug/L	0.00400	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	PFMPA	BPQL ug/L	0.00400	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	BPQL ug/L	0.00300	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotetradecanoic acid (PFTA)	BPQL ug/L	0.00800	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	PFMBA	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	PFMBA	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	NFDHA	BPQL ug/L	0.0200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	NFDHA	BPQL ug/L	0.0200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	BPQL ug/L	0.00400	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	BPQL ug/L	0.00400	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	BPQL ug/L	0.00500	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	BPQL ug/L	0.00500	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	BPQL ug/L	0.00300	

Blank Data (cont'd)

QC Lab #	Test Group	Test	Result	PQL	Flags
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	BPQL ug/L	0.00500	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	BPQL ug/L	0.00500	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	BPQL ug/L	0.00400	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	BPQL ug/L	0.00400	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	BPQL ug/L	0.00400	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	BPQL ug/L	0.00400	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	BPQL ug/L	0.00400	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	BPQL ug/L	0.00400	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	BPQL ug/L	0.00200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	BPQL ug/L	0.00200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	BPQL ug/L	0.00500	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	BPQL ug/L	0.00500	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	BPQL ug/L	0.00300	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	BPQL ug/L	0.00200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	BPQL ug/L	0.00200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	BPQL ug/L	0.00500	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	BPQL ug/L	0.00500	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	BPQL ug/L	0.00300	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	BPQL ug/L	0.00300	

Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
24F1457-BS1	Lithium (Li) EPA 200.7 UCMR5	Lithium	8.60	9.000	ug/L	96	85 - 115	
24F1457-BS2	Lithium (Li) EPA 200.7 UCMR5	Lithium	39.2	40.02	ug/L	98	85 - 115	
24F1024-CCV1	Perfluorinated Comps by EPA 537.1 UCMR5	NMeFOSAA	0.00531	0.005000	ug/L	106	70 - 130	
24F1024-CCV1	Perfluorinated Comps by EPA 537.1 UCMR5	NEtFOSAA	0.00513	0.005000	ug/L	103	70 - 130	
24F1024-CCV1	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotridecanoic acid (PFTrDA)	0.00469	0.005000	ug/L	94	70 - 130	
24F1024-CCV1	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotetradecanoic acid (PFTA)	0.00497	0.005000	ug/L	99	70 - 130	
24F1024-CCV2	Perfluorinated Comps by EPA 537.1 UCMR5	NMeFOSAA	0.0395	0.04000	ug/L	99	70 - 130	
24F1024-CCV2	Perfluorinated Comps by EPA 537.1 UCMR5	NEtFOSAA	0.0392	0.04000	ug/L	98	70 - 130	
24F1024-CCV2	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotridecanoic acid (PFTrDA)	0.0310	0.04000	ug/L	78	70 - 130	
24F1024-CCV2	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotetradecanoic acid (PFTA)	0.0371	0.04000	ug/L	93	70 - 130	
24F1024-CCV3	Perfluorinated Comps by EPA 537.1 UCMR5	NMeFOSAA	0.0854	0.08000	ug/L	107	70 - 130	
24F1024-CCV3	Perfluorinated Comps by EPA 537.1 UCMR5	NEtFOSAA	0.0846	0.08000	ug/L	106	70 - 130	
24F1024-CCV3	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotridecanoic acid (PFTrDA)	0.0631	0.08000	ug/L	79	70 - 130	
24F1024-CCV3	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotetradecanoic acid (PFTA)	0.0823	0.08000	ug/L	103	70 - 130	
24F1024-MRL1	Perfluorinated Comps by EPA 537.1 UCMR5	NMeFOSAA	0.00465	0.005000	ug/L	93	50 - 150	
24F1024-MRL1	Perfluorinated Comps by EPA 537.1 UCMR5	NEtFOSAA	0.00452	0.005000	ug/L	90	50 - 150	
24F1024-MRL1	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotridecanoic acid (PFTrDA)	0.00451	0.005000	ug/L	90	50 - 150	
24F1024-MRL1	Perfluorinated Comps by EPA 537.1 UCMR5	perfluorotetradecanoic acid (PFTA)	0.00518	0.005000	ug/L	104	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	0.00500	0.005000	ug/L	100	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	PFMPA	0.00407	0.004000	ug/L	102	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	0.00165	0.002000	ug/L	82	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	0.00178	0.001776	ug/L	100	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	PFMBA	0.00198	0.002000	ug/L	99	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	0.00166	0.001784	ug/L	93	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	NFDHA	0.0162	0.02000	ug/L	81	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	0.00195	0.001876	ug/L	104	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	0.00205	0.002000	ug/L	103	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	0.00187	0.001880	ug/L	99	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	0.00493	0.005000	ug/L	99	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	0.00197	0.002000	ug/L	99	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	0.00172	0.001892	ug/L	91	50 - 150	

Laboratory Control Sample Data (cont'd)

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	0.00192	0.001824	ug/L	105	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	0.00486	0.004760	ug/L	102	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	0.00398	0.004000	ug/L	99	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	0.00187	0.001908	ug/L	98	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	0.00186	0.001856	ug/L	100	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	0.00203	0.002000	ug/L	101	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	9CI-PF3ONS	0.00184	0.001868	ug/L	99	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	0.00201	0.001920	ug/L	105	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	0.00191	0.002000	ug/L	96	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	0.00203	0.002000	ug/L	101	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	11CI-PF3OUdS	0.00161	0.001888	ug/L	85	50 - 150	
24F1105-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	0.00181	0.002000	ug/L	91	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	0.00552	0.005000	ug/L	110	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	PFMPA	0.00400	0.004000	ug/L	100	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	0.00196	0.002000	ug/L	98	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	0.00183	0.001776	ug/L	103	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	PFMBA	0.00203	0.002000	ug/L	101	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane) sulfonic acid (PFEEESA)	0.00192	0.001784	ug/L	108	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	NFDHA	0.0168	0.02000	ug/L	84	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	0.00181	0.001876	ug/L	96	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	0.00222	0.002000	ug/L	111	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	0.00191	0.001880	ug/L	102	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	0.00596	0.005000	ug/L	119	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	0.00234	0.002000	ug/L	117	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	0.00195	0.001892	ug/L	103	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	0.00185	0.001824	ug/L	101	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	0.00585	0.004760	ug/L	123	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	0.00429	0.004000	ug/L	107	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	0.00196	0.001908	ug/L	103	50 - 150	

Laboratory Control Sample Data (cont'd)

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	0.00209	0.001856	ug/L	113	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	0.00228	0.002000	ug/L	114	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	0.00191	0.001868	ug/L	102	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	0.00227	0.001920	ug/L	118	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	0.00218	0.002000	ug/L	109	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	0.00203	0.002000	ug/L	102	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	0.00191	0.001888	ug/L	101	50 - 150	
24F1715-MRL1	Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	0.00195	0.002000	ug/L	98	50 - 150	

Matrix Spike Data

QC Lab #	Test Group	Test Name	Source Sample	Sample Result	Units	Spike Result	Spike Level	% Rec.	Acceptance Limits	Flags
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	GF05160-03	BPQL	ug/L	0.0222	0.01818	122	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	PFMPA	GF05160-03	BPQL	ug/L	0.0101	0.01455	70	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	GF05160-03	BPQL	ug/L	0.00847	0.007273	117	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	GF05160-03	BPQL	ug/L	0.00611	0.006458	95	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	PFMBA	GF05160-03	BPQL	ug/L	0.00735	0.007273	101	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	GF05160-03	BPQL	ug/L	0.00619	0.006487	95	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	NFDHA	GF05160-03	BPQL	ug/L	0.0826	0.07273	114	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluoro hexane sulfonic acid (4:2FTS)	GF05160-03	BPQL	ug/L	0.00656	0.006822	96	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	GF05160-03	BPQL	ug/L	0.00745	0.007273	102	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	GF05160-03	BPQL	ug/L	0.00658	0.006836	96	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	GF05160-03	BPQL	ug/L	0.0178	0.01818	98	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	GF05160-03	BPQL	ug/L	0.00773	0.007273	106	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	GF05160-03	BPQL	ug/L	0.00635	0.006880	92	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	GF05160-03	BPQL	ug/L	0.00614	0.006633	93	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluoro octane sulfonic acid (6:2FTS)	GF05160-03	BPQL	ug/L	0.0170	0.01731	98	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	GF05160-03	BPQL	ug/L	0.0141	0.01455	97	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	GF05160-03	BPQL	ug/L	0.00730	0.006938	105	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	GF05160-03	BPQL	ug/L	0.00685	0.006749	102	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	GF05160-03	BPQL	ug/L	0.00752	0.007273	103	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	GF05160-03	BPQL	ug/L	0.00586	0.006793	86	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluoro decane sulfonic acid (8:2FTS)	GF05160-03	BPQL	ug/L	0.00696	0.006982	100	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	GF05160-03	BPQL	ug/L	0.00685	0.007273	94	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	GF05160-03	BPQL	ug/L	0.00678	0.007273	93	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	GF05160-03	BPQL	ug/L	0.00580	0.006865	84	70 - 130	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	GF05160-03	BPQL	ug/L	0.00649	0.007273	89	70 - 130	

Matrix Spike Duplicate Data

QC Lab #	Test Group	Test Name	Sample Result	Spike Result	Spike Level	Units	% Rec.	Rec. Limits	% RPD	RPD Limit	Flags
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluorobutanoic acid (PFBA)	BPQL	0.0226	0.01818	ug/L	124	70-130	2	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	PFMPA	BPQL	0.00993	0.01455	ug/L	68	70-130	2	20	#52
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanoic acid (PFPeA)	BPQL	0.00874	0.007273	ug/L	120	70-130	3	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorobutanesulfonic acid (PFBS)	BPQL	0.00683	0.006458	ug/L	106	70-130	11	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	PFMBA	BPQL	0.00736	0.007273	ug/L	101	70-130	0.1	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	BPQL	0.00638	0.006487	ug/L	98	70-130	3	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	NFDHA	BPQL	0.0862	0.07273	ug/L	118	70-130	4	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2FTS)	BPQL	0.00649	0.006822	ug/L	95	70-130	1	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluorohexanoic acid (PFHxA)	BPQL	0.00779	0.007273	ug/L	107	70-130	4	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluoropentanesulfonic acid (PFPeS)	BPQL	0.00686	0.006836	ug/L	100	70-130	4	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	hexafluoropropylene oxide dimer acid (HFPO-DA)	BPQL	0.0191	0.01818	ug/L	105	70-130	7	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroheptanoic acid (PFHpA)	BPQL	0.00761	0.007273	ug/L	105	70-130	2	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	4,8-dioxo-3H-perfluorononanoic acid (ADONA)	BPQL	0.00651	0.006880	ug/L	95	70-130	2	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorohexanesulfonic acid (PFHxS)	BPQL	0.00648	0.006633	ug/L	98	70-130	5	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorooctane sulfonic acid (6:2FTS)	BPQL	0.0169	0.01731	ug/L	98	70-130	0.4	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorooctanoic acid (PFOA)	BPQL	0.0146	0.01455	ug/L	100	70-130	3	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluoroheptanesulfonic acid (PFHpS)	BPQL	0.00746	0.006938	ug/L	108	70-130	2	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluorooctanesulfonic acid (PFOS)	BPQL	0.00678	0.006749	ug/L	100	70-130	1	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	Perfluorononanoic acid (PFNA)	BPQL	0.00750	0.007273	ug/L	103	70-130	0.3	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	9Cl-PF3ONS	BPQL	0.00615	0.006793	ug/L	91	70-130	5	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2FTS)	BPQL	0.00721	0.006982	ug/L	103	70-130	4	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluorodecanoic acid (PFDA)	BPQL	0.00727	0.007273	ug/L	100	70-130	6	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	Perfluoroundecanoic acid (PFUnA)	BPQL	0.00706	0.007273	ug/L	97	70-130	4	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	11Cl-PF3OUdS	BPQL	0.00691	0.006865	ug/L	101	70-130	18	20	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	perfluorododecanoic acid (PFDoA)	BPQL	0.00661	0.007273	ug/L	91	70-130	2	20	

Quality Control Data

Surrogate Recovery Data

QC Lab#	Test Group	Test Name	% Recovery	Recovery Limits	Flags
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] decanesulfonate (M2-8:2FTS)	104	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] hexanesulfonate (M2-4:2FTS)	114	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] octanesulfonate (M2-6:2FTS)	123	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-PF [1,2]dodecanoic acid (MPFDoA)	78	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[1,2,3] hexanesulfonate (M3PFHxS)	97	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[2,3,4] butanesulfonate (M3PFBS)	100	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	113	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF [1,2,3,4] heptanoic acid (M4PFHpA)	96	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF butanoic acid (MPFBA)	103	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF [1,2,3,4,6] hexanoic acid (M5PFHxA)	96	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF pentanoic acid (M5PFPeA)	108	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C6-PF [1,2,3,4,5,6] decanoic acid (M6PFDA)	93	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C7-PF [1,2,3,4,5,6,7] undecanoic acid (M7PFUdA)	81	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C8-NaPF 1-octanesulfonate (M8PFOS)	96	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C8-PF octanoic acid (M8PFOA)	104	50 - 200	
24F1105-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C9-PF nonanoic acid (M9PFNA)	98	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] decanesulfonate (M2-8:2FTS)	107	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] hexanesulfonate (M2-4:2FTS)	116	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] octanesulfonate (M2-6:2FTS)	119	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C2-PF [1,2]dodecanoic acid (MPFDoA)	95	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[1,2,3] hexanesulfonate (M3PFHxS)	102	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[2,3,4] butanesulfonate (M3PFBS)	101	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	106	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF [1,2,3,4] heptanoic acid (M4PFHpA)	102	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF butanoic acid (MPFBA)	104	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF [1,2,3,4,6] hexanoic acid (M5PFHxA)	101	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF pentanoic acid (M5PFPeA)	100	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C6-PF [1,2,3,4,5,6] decanoic acid (M6PFDA)	97	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C7-PF [1,2,3,4,5,6,7] undecanoic acid (M7PFUdA)	95	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C8-NaPF 1-octanesulfonate (M8PFOS)	100	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C8-PF octanoic acid (M8PFOA)	103	50 - 200	
24F1715-BLK1	Perfluorinated Comps by EPA 533 UCMR5	13C9-PF nonanoic acid (M9PFNA)	102	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] decanesulfonate (M2-8:2FTS)	89	50 - 200	

Quality Control Data

Test results performed meet all method and TNI requirements unless otherwise noted.

24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] hexanesulfonate (M2-4:2FTS)	107	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] octanesulfonate (M2-6:2FTS)	112	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C2-PF [1,2]dodecanoic acid (MPFDoA)	71	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[1,2,3] hexanesulfonate (M3PFHxS)	92	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[2,3,4] butanesulfonate (M3PFBS)	88	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	81	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF [1,2,3,4] heptanoic acid (M4PFHpA)	87	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF butanoic acid (MPFBA)	87	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF [1,2,3,4,6] hexanoic acid (M5PFHxA)	84	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF pentanoic acid (M5PFPeA)	78	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C6-PF [1,2,3,4,5,6] decanoic acid (M6PFDA)	72	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C7-PF [1,2,3,4,5,6,7] undecanoic acid (M7PFUdA)	69	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C8-NaPF 1-octanesulfonate (M8PFOS)	78	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C8-PF octanoic acid (M8PFOA)	89	50 - 200	
24F1715-MS1	Perfluorinated Comps by EPA 533 UCMR5	13C9-PF nonanoic acid (M9PFNA)	79	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] decanesulfonate (M2-8:2FTS)	88	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] hexanesulfonate (M2-4:2FTS)	114	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] octanesulfonate (M2-6:2FTS)	114	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C2-PF [1,2]dodecanoic acid (MPFDoA)	80	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[1,2,3] hexanesulfonate (M3PFHxS)	95	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[2,3,4] butanesulfonate (M3PFBS)	94	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	88	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF [1,2,3,4] heptanoic acid (M4PFHpA)	89	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF butanoic acid (MPFBA)	92	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF [1,2,3,4,6] hexanoic acid (M5PFHxA)	90	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF pentanoic acid (M5PFPeA)	82	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C6-PF [1,2,3,4,5,6] decanoic acid (M6PFDA)	73	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C7-PF [1,2,3,4,5,6,7] undecanoic acid (M7PFUdA)	76	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C8-NaPF 1-octanesulfonate (M8PFOS)	76	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C8-PF octanoic acid (M8PFOA)	88	50 - 200	
24F1715-MSD1	Perfluorinated Comps by EPA 533 UCMR5	13C9-PF nonanoic acid (M9PFNA)	77	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] decanesulfonate (M2-8:2FTS)	93	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] hexanesulfonate (M2-4:2FTS)	102	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] octanesulfonate (M2-6:2FTS)	106	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C2-PF [1,2]dodecanoic acid (MPFDoA)	70	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[1,2,3] hexanesulfonate (M3PFHxS)	95	50 - 200	

Quality Control Data

Test results performed meet all method and TNI requirements unless otherwise noted.

GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[2,3,4] butanesulfonate (M3PFBS)	91	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	104	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF [1,2,3,4] heptanoic acid (M4PFHpA)	95	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF butanoic acid (MPFBA)	95	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF [1,2,3,4,6] hexanoic acid (M5PFHxA)	88	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF pentanoic acid (M5PFPeA)	88	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C6-PF [1,2,3,4,5,6] decanoic acid (M6PFDA)	81	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C7-PF [1,2,3,4,5,6,7] undecanoic acid (M7PFUdA)	71	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C8-NaPF 1-octanesulfonate (M8PFOS)	88	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C8-PF octanoic acid (M8PFOA)	94	50 - 200	
GF05160-01	Perfluorinated Comps by EPA 533 UCMR5	13C9-PF nonanoic acid (M9PFNA)	88	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] decanesulfonate (M2-8:2FTS)	105	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] hexanesulfonate (M2-4:2FTS)	113	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] octanesulfonate (M2-6:2FTS)	114	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C2-PF [1,2]dodecanoic acid (MPFDoA)	84	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[1,2,3] hexanesulfonate (M3PFHxS)	96	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[2,3,4] butanesulfonate (M3PFBS)	98	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	95	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF [1,2,3,4] heptanoic acid (M4PFHpA)	94	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF butanoic acid (MPFBA)	95	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF [1,2,3,4,6] hexanoic acid (M5PFHxA)	95	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF pentanoic acid (M5PFPeA)	96	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C6-PF [1,2,3,4,5,6] decanoic acid (M6PFDA)	90	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C7-PF [1,2,3,4,5,6,7] undecanoic acid (M7PFUdA)	87	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C8-NaPF 1-octanesulfonate (M8PFOS)	93	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C8-PF octanoic acid (M8PFOA)	100	50 - 200	
GF05160-02	Perfluorinated Comps by EPA 533 UCMR5	13C9-PF nonanoic acid (M9PFNA)	94	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] decanesulfonate (M2-8:2FTS)	80	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] hexanesulfonate (M2-4:2FTS)	114	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C2-NaPF 1-[1,2] octanesulfonate (M2-6:2FTS)	110	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C2-PF [1,2]dodecanoic acid (MPFDoA)	62	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[1,2,3] hexanesulfonate (M3PFHxS)	91	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C3-NaPF 1-[2,3,4] butanesulfonate (M3PFBS)	91	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	84	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF [1,2,3,4] heptanoic acid (M4PFHpA)	87	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C4-PF butanoic acid (MPFBA)	93	50 - 200	

Quality Control Data

Test results performed meet all method and TNI requirements unless otherwise noted.

GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF [1,2,3,4,6] hexanoic acid (M5PFHxA)	86	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C5-PF pentanoic acid (M5PFPeA)	81	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C6-PF [1,2,3,4,5,6] decanoic acid (M6PFDA)	67	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C7-PF [1,2,3,4,5,6,7] undecanoic acid (M7PFUdA)	60	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C8-NaPF 1-octanesulfonate (M8PFOS)	74	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C8-PF octanoic acid (M8PFOA)	85	50 - 200	
GF05160-03	Perfluorinated Comps by EPA 533 UCMR5	13C9-PF nonanoic acid (M9PFNA)	77	50 - 200	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	112	70 - 130	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	13C-PFDA	109	70 - 130	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	13C-PFHxA	115	70 - 130	
24F1024-BLK1	Perfluorinated Comps by EPA 537.1 UCMR5	d5-PF N-ethyl-1-octanesulfonamidoAA (d5-N-EtFOSAA)	83	70 - 130	
GF05160-01	Perfluorinated Comps by EPA 537.1 UCMR5	13C3-PF 2-methyl-3-oxahexanoic acid (M3HFPO-DA)	104	70 - 130	
GF05160-01	Perfluorinated Comps by EPA 537.1 UCMR5	13C-PFDA	99	70 - 130	
GF05160-01	Perfluorinated Comps by EPA 537.1 UCMR5	13C-PFHxA	106	70 - 130	
GF05160-01	Perfluorinated Comps by EPA 537.1 UCMR5	d5-PF N-ethyl-1-octanesulfonamidoAA (d5-N-EtFOSAA)	81	70 - 130	

* Complete Entire COC to be in Compliance*



Chain of Custody

RUSH Due Date

Client Name- **Lawton**
Project Name- **UCMR5**

Sample Preserv. & Container →	500ml HNO3	250ml PP Amm Ace 4C	250ml PP Trizma 4C				
Analysis Requested →	UCMR5 Lithium	UCMR5 PFAS 533	UCMR5 PFAS 537.1				
# of Container ↓	1	4	4				
	1	2	1				
	1	4	4				
		2	1				

Accurate Work Order #	Date Sample Taken	Time Sample Taken	Matrix or Source (Refer. below)	Grab (G) or Comp (C)	SP ID	SP Name	Sampling Event
67F05160 01	06/05/24	1100 AM 0735	DW	G	TP002	TP002	SE3
02	06/05/24	1100 AM 0735	DW	G		Field Blank for TP002	SE3
03	06/05/24	0735	DW	G	TP003	TP003	SE3
04	06/05/24	0735	DW	G		Field Blank for TP003	SE3

On-Site Info

Comments

-- All samples are scheduled to be disposed of in 4 weeks of receipt at Accurate.--

Certification by Company Official: I hereby certify that the above sampling occurred during a period such that the sample(s) is/are representative of a typical operating day discharge for the above facility. Signature: _____ Date/Time _____

Sampled By: _____ Company: _____ Sample Method: _____

Relinquished By: *Nathaniel K...* Date/Time: *6-5-24 11:50 PM* Received By: *[Signature]* Date/Time: *6/5/24 1150*
 Relinquished to Lab By: *[Signature]* Date/Time: *6/5/24 2100* Received at Lab By: *[Signature]* Rec'd °C: *6.7°C* Date/Time: *6/5/24 2100*

Reporting Requirements (standard 10-15 working days) Compliance Reporting? Yes or No (DMR, PWS, UCMR4) PWS ID # **OK1011303** RUSH Request (if available) _____ (Working Days)

Mail Report To: _____ Address: _____ Phone #: _____ Fax #: _____ Email: Jeffrey.dorrell@lawtonok.gov
 Mail Invoice To: _____ Bid # - _____ Address: _____ PO # - _____ Jeffrey.dorrell@lawtonok.gov Phone #: _____ Fax #: _____

www.accuratelabs.com (800) 516-5227 505 South Lowry Street Stillwater, OK 74074 Phone: (405) 372-5300 Fax: (405) 372-5396 6558 E. 40th Street Tulsa, OK 74145 Phone: (918) 663-5400 Fax: (918) 663-6300 12036 N. Pennsylvania Oklahoma City, OK 73120 Phone: (405) 751-3132 Fax: (405) 751-3108