

## LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

*This report may not be reproduced, except in full, without written approval from EEA.*

## STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN035	New Jersey*	IN598
Colorado Radiochemistry	IN035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074-001
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-15-8
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA170006	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

\*NELAP/TNI Recognized Accreditation Bodies

110 South Hill Street  
 South Bend, IN 46617  
 Tel: (574) 233-4777  
 Fax: (574) 233-8207  
 1 800 332 4345

## Laboratory Report

Client: C.T. Male Associates  
 Attn: Kirk Moline  
 50 Century Hill Drive  
 Latham, NY 12110

Report: 404388  
 Priority: Standard Written  
 Status: Final

Project: 14.4756

### SUMMARY OF DETECTIONS

Sample ID:	Sample Site:				
3834517	GAC Influent				
Parameter	Method	Result	Units	Run #	
Perfluoroheptanoic acid (PFHpA)	537	14	ng/L	237736	
Perfluorohexanoic acid (PFHxA)	537	14	ng/L	237736	
Perfluorooctane sulfonate (PFOS)	537	2.5	ng/L	237736	
Perfluorooctanoic acid (PFOA)	537	580	ng/L	237736	

Note: The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Kelly Blackburn at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from EEA.

*Dana M. Smith* Reporter

01/05/2018

Reviewed By

*Kelly Blackburn ASM*

Title

Date

01/05/2018

Finalized By

Title

Date

110 South Hill Street  
 South Bend, IN 46617  
 Tel: (574) 233-4777  
 Fax: (574) 233-8207  
 1 800 332 4345

## Laboratory Report

Client: C.T. Male Associates  
  
 Attn: Kirk Moline  
 50 Century Hill Drive  
 Latham, NY 12110

Report: 404388  
 Priority: Standard Written  
 Status: Final  
 PWS ID: Not Supplied  
 Lab ELAP #: 11398

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3834517	GAC Influent	537	12/07/17 09:15	Client	12/08/17 10:30
3834518	GAC Midfluent	537	12/07/17 09:17	Client	12/08/17 10:30
3834519	GAC Effluent	537	12/07/17 09:19	Client	12/08/17 10:30
3834520	Field Trip Blank	537	12/07/17 09:21	Client	12/08/17 10:30
3834521	Lab Trip Blank/11/28/17	537	12/07/17 09:15	EEA	12/08/17 10:30

### Report Summary

Project: 14.4756

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Kelly Blackburn at (574) 233-4777.

*Note: This report may not be reproduced, except in full, without written approval from EEA.*

*Kelly Blackburn ASM*

01/05/2018

Authorized Signature

Title

Date

Client Name: C.T. Male Associates

Report #: 404388

Sampling Point: GAC Influent

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	14	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	14	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	2.5	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	580	ng/L	12/15/17 07:45	12/16/17 17:07	3834517
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:24	3834517

Sampling Point: GAC Midfluent

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 17:41	3834518

Sampling Point: GAC Effluent

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:14	3834519

Sampling Point: Field Trip Blank

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:31	3834520

Sampling Point: Lab Trip Blank/11/28/17

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
335-76-2	Perfluorodecanoic acid (PFDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
307-24-4	Perfluorohexanoic acid (PFHxA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
307-55-1	Perfluorolauric acid (PFDoA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
376-06-7	Perfluoromyristic acid (PFTA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
375-95-1	Perfluorononanoic acid (PFNA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521
2058-94-8	Perfluoroundecanoic acid (PFUnA)	537	---	2.0	< 2.0	ng/L	12/15/17 07:45	12/16/17 18:47	3834521

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!