



## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Mayor Brian P. Sullivan  
59 Court Street - Room 202  
Westfield, MA 01085

RE: MassDEP Private Well Sampling- PFCs  
RTN: 1-20093

Dear Mayor Sullivan,

In a collaborative effort to work with both the City of Westfield and the Barnes Air National Guard, MassDEP has implemented a phased approach to investigate whether private wells have been affected by a release of perflourinated chemicals (PFCs) to the groundwater. The initial Phase will include the sampling of twenty-five private wells. To date, we have sampled twenty-two private wells and are waiting for at least three additional signed access agreement letters to be returned to MassDEP so sampling can be scheduled for the remaining sites. Below are the laboratory results of the first eight private well samples:

Address	Date Sampled	Laboratory Result
23 Deveno Lane	4/28/2017	ND = Non Detect
95 Old Holyoke Road	4/28/2017	ND = Non Detect
20 Ridge Trail Road	4/28/2017	ND = Non Detect
1524 East Mountain Road	4/28/2017	ND = Non Detect
2050 East Mountain Road	4/28/2017	ND = Non Detect
34 Lewis Road	4/28/2017	ND = Non Detect
1850 East Mountain Road	4/28/2017	ND = Non Detect
1749 East Mountain Road	4/28/2017	ND = Non Detect

The sampling results indicate PFCs were not detected above the laboratory reporting level, which is 17 parts per trillion (ppt). The EPA Lifetime Health Advisory Level is 70 ppt. The private well owners have been notified of the results prior the issuance of this letter and have been mailed copies of their laboratory results. MassDEP is continuing to sample private wells and will keep the City, its citizens and Barnes Air National Guard Base apprised of the results as we receive them.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

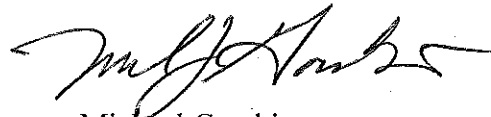
TTY# MassRelay Service 1-800-439-2370

MassDEP Website: [www.mass.gov/dep](http://www.mass.gov/dep)

Printed on Recycled Paper

If you have any questions regarding this letter please contact me at (413) 755-2213 or Eva Tor at 413-755-2295.

Sincerely,



Michael Gorski  
Regional Director

Ecc: Barnes ANG – Colonel James Suhr  
John Richardson  
Barnes Aquifer Protection Committee - Patty Gambarini  
Westfield DPW - David Billips  
Westfield Health Department - Joseph Rouse  
Massachusetts Department of Public Health – Dr. Marc Nascarella



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Ms. Patricia O'Connor  
1749 East Mountain Road  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Ms. O'Connor:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFCs compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFCs compounds were not detected above the laboratory reporting level (RL) of 16 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
1749 East Mountain Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

ec w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc: Denise Andler, DEP WERO  
Data Entry: FOLOFF, FOLFLD





**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

**B. This notice is being provided to the following party:**

1. Name: Patricia O'Connor  
2. Street Address: 1749 East Mountain Road  
City/Town: Westfield Zip Code: 01085

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 1749 East Mountain Road  
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action   | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure              | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure      | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation     | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential     commercial     industrial     school/playground     Other \_\_\_\_\_
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

**E. Contact information related to the party providing this notice:**

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand.jr@state.ma.us



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,  
VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0*  
*Automated Report*

### Technical Report for

ATC Group Services LLC.

1749 East Mountain Road, Westfield, MA

183EM00170

SGS Accutest Job Number: MC50276

Sampling Date: 04/28/17

#### Report to:

ATC Group Services LLC.  
73 Williams Franks Drive  
West Springfield, MA 01089  
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 19



Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.

H. (Brad) Madadian  
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

# Table of Contents

Sections:



<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Summary of Hits .....</b>	<b>6</b>
<b>Section 4: Sample Results .....</b>	<b>7</b>
<b>4.1: MC50276-2: 1749 EAST MT-1 .....</b>	<b>8</b>
<b>Section 5: Misc. Forms .....</b>	<b>9</b>
<b>5.1: Chain of Custody .....</b>	<b>10</b>
<b>Section 6: Misc. Forms (SGS Accutest Southeast) .....</b>	<b>12</b>
<b>6.1: Chain of Custody .....</b>	<b>13</b>
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast) .....</b>	<b>16</b>
<b>7.1: Method Blank Summary .....</b>	<b>17</b>
<b>7.2: Blank Spike Summary .....</b>	<b>18</b>
<b>7.3: Surrogate Recovery Summaries .....</b>	<b>19</b>





### Sample Summary

ATC Group Services LLC.

Job No: MC50276

1749 East Mountain Road, Westfield, MA

Project No: 183EM00170

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC50276-2	04/28/17	15:30 JB	05/01/17	DW Drinking Water	1749 EAST MT-1

## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50276

**Site:** 1749 East Mountain Road, Westfield, MA

**Report Date** 5/17/2017 6:41:14 PM

1 Sample(s) was collected on 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50276. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537

<b>Matrix:</b> DW	<b>Batch ID:</b> F:OP65024
-------------------	----------------------------

- MC50276-2: Analysis performed at SGS Accutest, Orlando FL.

Batch OP64924: MC50276-2: Confirmation run.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50276).

Wednesday, May 17, 2017

Page 1 of 1

**SGS**

4 of 19  
**ACCUTEST**  
MC50276

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Accutest New England

**Job No:** MC50276

**Site:** ATCMAS: 1749 East Mountain Road, Westfield, MA

**Report Date:** 5/17/2017 5:35:41 PM

1 Sample(s) were collected on 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50276. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537

**Matrix:** DW

**Batch ID:** OP65024

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC50276-2 have surrogates outside control limits. Probable cause is due to matrix interference.

MC50276-2 for d5-NEtFOSAA: Outside control limits.

MC50276-2 for 13C2-PFHxA: Outside control limits.

MC50276-2 for 13C2-PFDA: Outside control limits.

**Matrix:** DW

**Batch ID:** OP64924

MC50276-2 for 13C2-PFHxA: Associated BS recovery outside control limits.

MC50276-2 for 13C2-PFHxA: Associated BS recovery outside control limits.

MC50276-2: Confirmation run.

MC50276-2: Confirmation run.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date May 17, 2017

Kim Benham, Client Services (signature on file)

# Summary of Hits

Job Number: MC50276  
Account: ATC Group Services LLC.  
Project: 1749 East Mountain Road, Westfield, MA  
Collected: 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50276-2      1749 EAST MT-1

No hits reported in this sample.



**Sample Results**

---

**Report of Analysis**

---

Report of Analysis

4.1  
4

Client Sample ID:	1749 EAST MT-1	Date Sampled:	04/28/17
Lab Sample ID:	MC50276-2	Date Received:	05/01/17
Matrix:	DW - Drinking Water	Percent Solids:	n/a
Method:	EPA 537 EPA 537		
Project:	1749 East Mountain Road, Westfield, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1262.D	1	05/15/17	AFL	05/12/17	F:OP65024	F:S2Q36
Run #2 <sup>b</sup>	2Q1097.D	1	05/08/17	AFL	05/05/17	F:OP64924	F:S2Q31
Run #3 <sup>b</sup>	2Q1129.D	1	05/09/17	AFL	05/05/17	F:OP64924	F:S2Q32

Run #	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2	120 ml	1.0 ml
Run #3	120 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.016		ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.016		ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.016		ug/l	
375-95-1	Perfluorononanoic acid	ND	0.016		ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.016		ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.016		ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.016		ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.016		ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.016		ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.016		ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.016		ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.016		ug/l	
2355-31-9	MeFOSAA	ND	0.040		ug/l	
2991-50-6	EtFOSAA	ND	0.040		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C2-PFHxA	53% <sup>d</sup>	93% <sup>c</sup>	93% <sup>c</sup>	70-130%
	13C2-PFDA	59% <sup>d</sup>	95%	89%	70-130%
	d5-EtFOSAA	56% <sup>d</sup>	90%	86%	70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Confirmation run. Analysis performed at SGS Accutest, Orlando FL.
- (c) Associated BS recovery outside control limits.
- (d) Outside control limits.

ND = Not detected  
MCL = Maximum Contamination Level (40 CFR 141)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

**Misc. Forms**

---

**Custody Documents and Other Forms**

---

**Includes the following where applicable:**

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
80 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-8200 FAX: 508-481-7753
www.accutest.com

PREM

PAGE 1 OF 1

FED-EX Tracking #
SGS Accutest Quote #
SGS Accutest Job # MC50276

Client/Reporting Information, Project Information, Billing Information, Requested Analysis, Matrix Codes, Collection table with columns for Field ID, Date, Time, Sampled by, Matrix, # of bottles, and various test parameters.

Date Deliverable Information, Comments/Special Instructions, Turnaround Time (Business days), Commercial "A" (Level 1), Commercial "B" (Level 2), FULLT1 (Level 3+4), CT RCP, MA MCP, RYASP Category A, RYASP Category B, State Forms, EDD Format, Other.

Emergency & Rush TIA data available via Lablink, Sample Custody must be documented below each time samples change possession, including courier delivery, Requisitioned by, Date Time, Received By, Date Time, Requisitioned By, Date Time, Received By, Date Time, Requisitioned By, Date Time, Received By, Date Time.

5.1 5



## SGS Accutest NE Sample Receipt Summary

Job Number: MC50276

Client: ATC

Project: 1749 EAST MOUNTAIN RD

Date / Time Received: 5/1/2017 5:35:00 PM

Delivery Method: SGS COURIER

Airbill #s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (3.9/3.4); #2: (3.8/3.3);

**Cooler Security**

Y or N

Y or N

- |                           |                          |                                     |                        |                                     |                          |
|---------------------------|--------------------------|-------------------------------------|------------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4. Smpl Dates/Time OK: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

Y or N

- |                            |                                     |                          |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Thermometer ID:         | IRGUN1;                             |                          |
| 3. Cooler media:           | Ice (Bag)                           |                          |
| 4. No. Coolers:            | 2                                   |                          |

**Quality Control Preservation**

Y or N

N/A

- |                                 |                                     |                                     |                          |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

**Sample Integrity - Documentation**

Y or N

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

**Sample Integrity - Instructions**

Y or N N/A

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

5.1

MC50276: Chain of Custody  
Page 2 of 2



**Misc. Forms**

9

**Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Chain of Custody



SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50276 CLIENT: ALNE PROJECT: 1749 East Mountain Rd.  
 DATE/TIME RECEIVED: 05/03/17 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_

**TEMPERATURE INFORMATION**

IR THERM ID 1 CORR. FACTOR +0.4  
 OBSERVED TEMPS: 2.6  
 CORRECTED TEMPS: 3.0 (USED FOR LIMS)

**SAMPLE INFORMATION**

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

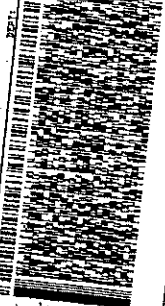
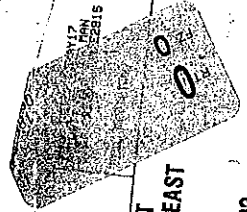
TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE [Signature] 05-03-17  
 NF 02/16 receipt confirmation 020116.xls

6.1  
6



ORIGIN ID: 10828  
SAMPLE MANAGER (508) 481-8200  
50 D'ARCADE LABORATORIES  
495 TECH CENTER BLDG  
DORCHESTER, MA 01922  
UNITED STATES US

TO  
SAMPLE MANAGEMENT  
SGS ACCUTEST SOUTHEAST  
4405 VINELAND RD  
SUITE C-15  
ORLANDO FL 328115803  
(407) 425-8700



FedEx  
EXPRESS  
**E**

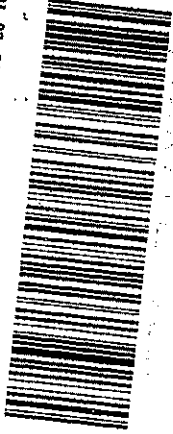
TRK 7273 7516 1831  
0801

WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

**EA ORLA**

PKT # 159149-434 INTZ 0719

32811  
FL-US MCO



**GC/MS Semi-volatiles**

---

**QC Data Summaries**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

**7**

# Method Blank Summary

Job Number: MC50276  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1749 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-MB	2Q1258.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50276-2

7.1.1  
7

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0191	0.038	ug/l	J
2991-50-6	EiFOSAA	0.0222	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	66%	61-134%
	13C2-PFDA	92%	62-128%
	d5-EiFOSAA	77%	57-135%

# Blank Spike Summary

Job Number: MC50276  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1749 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-BS <sup>a</sup>	2Q1257.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50276-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.146	95	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.156	101	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.161	105	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.157	102	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.154	100	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.119	77	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.108	70	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.109	71	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.184	120	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.204	133	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.172	112	70-134
2355-31-9	MeFOSAA	0.154	0.160	104	57-128
2991-50-6	EiFOSAA	0.154	0.137	89	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	88%	61-134%
	13C2-PFDA	104%	62-128%
	d5-EiFOSAA	95%	57-135%

(a) Insufficient sample for MS/MSD.

\* = Outside of Control Limits.

7.21  
7

# Semivolatile Surrogate Recovery Summary

Job Number: MC50276  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1749 East Mountain Road, Westfield, MA

Method: EPA 537	Matrix: DW
-----------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50276-2	2Q1129.D	93 <sup>a</sup>	89	86
MC50276-2	2Q1097.D	93 <sup>a</sup>	95	90
MC50276-2	2Q1262.D	53* <sup>b</sup>	59* <sup>b</sup>	56* <sup>b</sup>

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%
S3 = d5-EtFOSAA	70-130%

- (a) Associated BS recovery outside control limits.
- (b) Outside control limits..

7.3.1  
7



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Ms. Maria Perez  
1524 East Mountain Road  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Ms. Perez:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFC compounds were not detected above the laboratory reporting level (RL) of 17 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
1524 East Mountain Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

ec w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc:  
Denise Andler, DEP WERO  
Data Entry: FOLOFF, FOLFLD



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

**B. This notice is being provided to the following party:**

1. Name: Maria Perez  
2. Street Address: 1524 East Mountain Road  
City/Town: Westfield Zip Code: 01085

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 1524 East Mountain Road  
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action   | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure              | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure      | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation     | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential     commercial     industrial     school/playground     Other \_\_\_\_\_
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

**E. Contact information related to the party providing this notice:**

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand.jr@state.ma.us





**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

**Technical Report for****ATC Group Services LLC.**

1524 East Mountain Road, Westfield, MA

183EM00170

SGS Accutest Job Number: MC50272

Sampling Date: 04/28/17

**Report to:**ATC Group Services LLC.  
73 Williams Franks Drive  
West Springfield, MA 01089  
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 25

Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.A handwritten signature in black ink, appearing to read 'H. Madadian'.  
**H. (Brad) Madadian  
Lab Director****Client Service contact: Jeremy Vienneau 508-481-6200**Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (AI171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

# Table of Contents

Sections:



<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Summary of Hits .....</b>	<b>6</b>
<b>Section 4: Sample Results .....</b>	<b>7</b>
<b>4.1: MC50272-2: 1524 EAST MT-1 .....</b>	<b>8</b>
<b>Section 5: Misc. Forms .....</b>	<b>9</b>
<b>5.1: Chain of Custody .....</b>	<b>10</b>
<b>5.2: MCP Form .....</b>	<b>12</b>
<b>5.3: Sample Tracking Chronicle .....</b>	<b>13</b>
<b>5.4: QC Evaluation: MA MCP Limits .....</b>	<b>14</b>
<b>Section 6: Misc. Forms (SGS Accutest Southeast) .....</b>	<b>15</b>
<b>6.1: Chain of Custody .....</b>	<b>16</b>
<b>6.2: Sample Tracking Chronicle .....</b>	<b>19</b>
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast) .....</b>	<b>20</b>
<b>7.1: Method Blank Summary .....</b>	<b>21</b>
<b>7.2: Blank Spike Summary .....</b>	<b>22</b>
<b>7.3: Internal Standard Area Summaries .....</b>	<b>23</b>
<b>7.4: Surrogate Recovery Summaries .....</b>	<b>25</b>



### Sample Summary

ATC Group Services LLC.

Job No: MC50272

1524 East Mountain Road, Westfield, MA  
Project No: 183EM00170

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC50272-2	04/28/17	10:32 JB	05/01/17	AQ Ground Water	1524 EAST MT-1

## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50272

**Site:** 1524 East Mountain Road, Westfield, MA

**Report Date** 5/12/2017 2:16:35 PM

1 Sample collected on 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50272. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537 MOD

**Matrix:** AQ

**Batch ID:** F:OP64922

- MC50272-2: Analysis performed at SGS Accutest, Orlando FL.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50272).

Friday, May 12, 2017

Page 1 of 1

**SGS**

4 of 25  
ACCUTEST  
MC50272

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Accutest New England

**Job No:** MC50272

**Site:** ATCMAS: 1524 East Mountain Road, Westfield, MA

**Report Date** 5/12/2017 1:09:56 PM

1 Sample(s) were collected on 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50272. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537 MOD

**Matrix:** AQ

**Batch ID:** OP64922

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date May 12, 2017

Kim Benham, Client Services (signature on file)

Friday, May 12, 2017

Page 1 of 1

# Summary of Hits

Job Number: MC50272  
Account: ATC Group Services LLC.  
Project: 1524 East Mountain Road, Westfield, MA  
Collected: 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50272-2      1524 EAST MT-1

No hits reported in this sample.

**Sample Results**

---

**Report of Analysis**

---



### Report of Analysis

Client Sample ID: 1524 EAST MT-1	Date Sampled: 04/28/17
Lab Sample ID: MC50272-2	Date Received: 05/01/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 537 MOD EPA 537 MOD	
Project: 1524 East Mountain Road, Westfield, MA	

4.1  
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1116.D	1	05/08/17	AFL	05/05/17	F:OP64922	F:S2Q31
Run #2							

Run #	Initial Volume	Final Volume
Run #1	120 ml	1.0 ml
Run #2		

**Perfluorinated Alkyl Acids**

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.017	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.017	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.017	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.017	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.017	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.017	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.017	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.017	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.017	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.017	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.017	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.017	ug/l	
2355-31-9	MeFOSAA	ND	0.042	ug/l	
2991-50-6	EiFOSAA	ND	0.042	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	123%		61-134%
	13C2-PFDA	92%		62-128%
	d5-EiFOSAA	95%		57-135%

(a) Analysis performed at SGS Accutest, Orlando FL.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Misc. Forms**

---

67

**Custody Documents and Other Forms**

---

Includes the following where applicable:

- Chain of Custody
- MCP Form
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



## SGS Accutest NE Sample Receipt Summary

Job Number: MC50272

Client: ATC

Project: 1524 EAST MOUNTAIN RD

Date / Time Received: 5/1/2017 5:35:00 PM

Delivery Method: SGS COURIER

Airbill #'s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (3.9/3.4); #2: (3.8/3.3);...

**Cooler Security**

- |                           |                          |                                     |                        |                                     |                          |
|---------------------------|--------------------------|-------------------------------------|------------------------|-------------------------------------|--------------------------|
|                           | <u>Y or N</u>            |                                     |                        | <u>Y or N</u>                       |                          |
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4. Smp'l Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

- |                            |                                     |                          |
|----------------------------|-------------------------------------|--------------------------|
|                            | <u>Y or N</u>                       |                          |
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Thermometer ID:         | IRGUN1;                             |                          |
| 3. Cooler media:           | Ice (Bag)                           |                          |
| 4. No. Coolers:            | 2                                   |                          |

**Quality Control Preservation**

- |                                 |                                     |           |                                     |                          |
|---------------------------------|-------------------------------------|-----------|-------------------------------------|--------------------------|
|                                 | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>               |
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                          |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            | <input type="checkbox"/> |

**Sample Integrity - Documentation**

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
|  | <u>Y or N</u>                       |                          |
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
|                                  | <u>Y or N</u>                       |                          |
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

**Sample Integrity - Instructions**

- |   |                                     |           |                                     |                                     |
|---|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
|   | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>                          |
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

5.1  
5

MC50272: Chain of Custody

Page 2 of 2





Massachusetts Department  
of Environmental Protection  
Bureau of Waste Site Cleanup

WSC-CAM

Exhibit VII A

July 1, 2010

Revision No. 1

Final

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

5.2  
5

Laboratory Name: SGS Accutest- Marlborough Project #: MC50272

Project Location: 1524 East Mountain Road, Westfield, MA MADEP RTN None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)  
MC50272-2

Matrices: Groundwater/Surface Water (X) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other ( )

**CAM Protocol** (check all that apply below):

8260 VOC ( ) CAM IIA	7470/7471 Hg ( ) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals ( ) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate ( ) CAM VIII B	

**Affirmative Responses to Questions A Through F are required for "Presumptive Certainty status"**

<b>A</b>	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>B</b>	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>C</b>	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>D</b>	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>E</b>	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
<b>F</b>	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

**Responses to questions G, H, and I below is required for "Presumptive Certainty" status**

<b>G</b>	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No <sup>1</sup>
<b>Data User Note:</b> Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.					
<b>H</b>	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No <sup>1</sup>
<b>I</b>	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No <sup>1</sup>

<sup>1</sup> All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: H. (Brad) Madadian Position: Laboratory Director

Printed Name: H. (Brad) Madadian Date: 12-May-17



### Internal Sample Tracking Chronicle

ATC Group Services LLC.

Job No: MC50272

1524 East Mountain Road, Westfield, MA  
Project No: 183EM00170

5.3  
5

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50272-2 Collected: 28-APR-17 10:32 By: JB Received: 01-MAY-17 By: TF 1524 EAST MT-1						
MC50272-2	EPA 537 MOD	08-MAY-17 20:15	AFL	05-MAY-17	AFL	LC537LIST

# QC Evaluation: MA MCP Limits

Job Number: MC50272  
Account: ATC Group Services LLC.  
Project: 1524 East Mountain Road, Westfield, MA  
Collected: 04/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
--------------	------	---------	--------------------	-------------	-------	--------

No Exceptions found.

5.4  
5

---

\* Sample used for QC is not from job MC50272

**Misc. Forms****Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

**Includes the following where applicable:**

- Chain of Custody
- Sample Tracking Chronicle



<b>Client / Reporting Information</b> Company Name: <b>SGS Accutest</b> Street Address: <b>50 D'Angelo Drive, 495 Technology Center West, BLDG One</b> City: <b>Marlborough, MA</b> State: <b>01752</b> Project Contact: <b>Jeremy</b> Email: <b>jeremy@accutest.com</b> Phone #: <b>508-481-6200</b> Fax #: _____ Sampler(s) Name(s): <b>JB</b>		<b>Project Information</b> Project Name: <b>1524 East Mountain Road, Westfield, MA</b> Street: _____ Billing Information (if different from Report to): City: _____ State: _____ Company Name: _____ Project #: _____ Street Address: _____ Client Purchase Order #: _____ City: _____ State: _____ Zip: _____ Project Manager: _____ Attention: _____		<b>Requested Analytes (see TEST CODE sheet)</b> Matrix Codes: DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EQ - Equipment Blank RB - Rinse Blank TB - Trip Blank	
Turnaround Time (Business days): <input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input checked="" type="checkbox"/> other Due 5/15/2017 Approved By (SGS Accutest PM): _____ Date: _____ Emergency & Rush T/A data available via Lablink		<b>Data Deliverable Information</b> <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYASP Category A <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYASP Category B <input type="checkbox"/> FULL11 (Level 3+4) <input type="checkbox"/> State Forms <input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDO Format <input type="checkbox"/> Commercial "C" <input checked="" type="checkbox"/> Other MAMCP Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data		Comments / Special Instructions: Ship to WASTE, 10 Day TAT 930	
Relinquished by Sampler: <b>1</b> Date/Time: <b>5-2-17</b> Relinquished by Sampler: <b>3</b> Date/Time: _____ Relinquished by: <b>6</b> Date/Time: _____		Received By: <b>1</b> <b>FEDX</b> Received By: <b>3</b> Received By: <b>6</b>		Relinquished By: <b>2</b> <b>FX</b> Date/Time: _____ Relinquished By: <b>4</b> Date/Time: _____ Relinquished By: <b>5</b> Date/Time: <b>05/03/17</b>	
Sample Custody must be documented below each time samples change possession, including courier delivery.		Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____		Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____	

6.1  
**6**

MC50272: Chain of Custody  
 Page 1 of 3  
 SGS Accutest Southeast

SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50272 CLIENT: ALNE PROJECT: 1524 East Mountain Rd.  
 DATE/TIME RECEIVED: 05/03/17 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.4
- OBSERVED TEMPS: 2.6
- CORRECTED TEMPS: 3.0 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

SUMMARY OF COMMENTS: \_\_\_\_\_

TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE [Signature] 05-03-17

NF 02/16

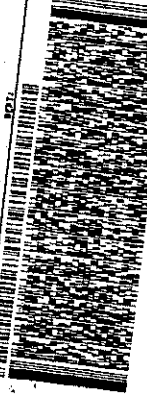
receipt confirmation 020116.xls

6.1  
6

CRISTIN ID:RBR (808) 481-6200  
SGS ACCUTEST LABORATORIES  
50 D'ANSELMI CENTER H. BUILDING 1  
MARLBOROUGH CENTER MA 01752  
UNITED STATES OF AMERICA

TO SAMPLE MANAGEMENT  
SGS ACCUTEST SOUTHEAST  
4405 VINELAND RD  
SUITE C-15  
ORLANDO FL 328115803

(407) 426-8700

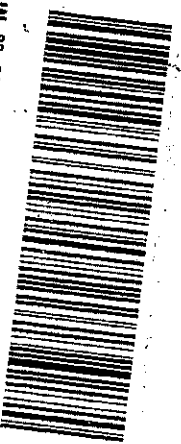


7273 7516 1831

WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

EA ORLA

32811  
FL-US MCO



Print # 188148-434 R12 0713

MC50272: Chain of Custody  
Page 3 of 3



18 of 25  
ACCUTEST  
MC50272

### Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50272

ATCMAS: 1524 East Mountain Road, Westfield, MA  
Project No: 183EM00170

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50272-2 Collected: 28-APR-17 10:32 By: JB Received: 01-MAY-17 By: JC 1524 EAST MT-1						
MC50272-2	EPA 537 MOD	08-MAY-17 20:15	NAF	05-MAY-17	MB	LC537LIST

6.2  
6

**GC/MS Semi-volatiles****QC Data Summaries**

(SGS Accutest Southeast)

**7**

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

# Method Blank Summary

Job Number: MC50272  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1524 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64922-MB	2Q1105.D	1	05/08/17	NAF	05/05/17	OP64922	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50272-2

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0199	0.038	ug/l	J
2991-50-6	EtFOSAA	0.0231	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	122%	61-134%
	13C2-PFDA	122%	62-128%
	d5-EtFOSAA	110%	57-135%

7.1.1

7

# Blank Spike Summary

Job Number: MC50272  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1524 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64922-BS	2Q1104.D	1	05/08/17	NAF	05/05/17	OP64922	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50272-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.165	107	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.166	108	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.160	104	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.148	96	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.124	81	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.104	68	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.0984	64	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.105	68	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.164	107	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.173	112	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.147	96	70-134
2355-31-9	MeFOSAA	0.154	0.154	100	57-128
2991-50-6	EtFOSAA	0.154	0.138	90	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	125%	61-134%
	13C2-PFDA	120%	62-128%
	d5-EtFOSAA	103%	57-135%

\* = Outside of Control Limits.

7.2.1  
7

# Semivolatiles Internal Standard Area Summary

Job Number: MC50272  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1524 East Mountain Road, Westfield, MA

Check Std:	S2Q31-CC29	Injection Date:	05/08/17
Lab File ID:	2Q1102.D	Injection Time:	15:38
Instrument ID:	GCMS2Q	Method:	EPA 537 MOD

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal <sup>a</sup>	69309	4.25	144240	6.71	81852	6.70	51619	7.28	28993	7.46	105323	10.91
Check Std <sup>b</sup>	72826	4.29	170039	6.75	86719	6.74	56653	7.33	32654	7.47	110223	11.26
Upper Limit <sup>c</sup>	103964	5.29	216360	7.75	122778	7.74	77429	8.33	43490	8.47	157985	12.26
Lower Limit <sup>d</sup>	34655	3.29	72120	5.75	40926	5.74	25810	6.33	14497	6.47	52662	10.26

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP64922-BS	77527	4.29	180626	6.75	91540	6.74	59846	7.31	34361	7.47	115073	11.20
OP64922-MB	73207	4.27	159475	6.75	85988	6.73	56107	7.31	33113	7.47	100042	11.25
MC50256-1	66584	4.27	148591	6.75	78624	6.74	53175	7.33	30291	7.47	99264	11.25
OP64922-MS	69913	4.27	162764	6.75	82741	6.73	54342	7.31	30261	7.47	102759	11.18
OP64922-MSD	71909	4.29	168189	6.75	83660	6.74	56148	7.33	31992	7.47	108082	11.25
ZZZZZZ	68298	4.27	168654	6.75	85597	6.73	59106	7.31	30868	7.47	109720	11.16
ZZZZZZ	73808	4.29	163869	6.75	88092	6.74	58014	7.31	33066	7.47	107232	11.19
ZZZZZZ	71610	4.29	158644	6.75	83744	6.74	56046	7.31	32043	7.47	105410	11.18

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDODA

(a) Initial Cal is: S2Q29-ICC29 2Q1024.D 05/04/17 14:12. Area is AVERAGE of initial cal points.  
 (b) Check Std Limit = -50 to +50% of initial cal area.  
 (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.  
 (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.3.1  
7



# Semivolatiles Internal Standard Area Summary

Job Number: MC50272  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1524 East Mountain Road, Westfield, MA

Check Std:	S2Q31-CC29	Injection Date:	05/08/17
Lab File ID:	2Q1112.D	Injection Time:	18:56
Instrument ID:	GCMS2Q	Method:	EPA 537 MOD

	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6						
	AREA	RT	AREA	RT	AREA	RT						
Initial Cal <sup>a</sup>	69309	4.25	144240	6.71	81852	6.70	51619	7.28	28993	7.46	105323	10.91
Check Std <sup>b</sup>	75552	4.29	176953	6.75	90197	6.73	59252	7.31	34095	7.47	114518	11.21
Upper Limit <sup>c</sup>	103964	5.29	216360	7.75	122778	7.73	77429	8.31	43490	8.47	157985	12.21
Lower Limit <sup>d</sup>	34655	3.29	72120	5.75	40926	5.73	25810	6.31	14497	6.47	52662	10.21

7.32  
7

Lab	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6						
Sample ID	AREA	RT	AREA	RT	AREA	RT						
ZZZZZZ	74741	4.29	164512	6.75	87661	6.74	58459	7.33	33742	7.47	111061	11.21
ZZZZZZ	74186	4.27	167160	6.75	88695	6.73	58044	7.31	33482	7.47	110164	11.18
MC50272-2	76999	4.29	172620	6.75	92133	6.74	61181	7.33	34440	7.47	117175	11.24
ZZZZZZ	77228	4.27	169761	6.75	91424	6.73	60463	7.31	34797	7.47	115291	11.24
ZZZZZZ	79518	4.29	177132	6.75	94052	6.74	62859	7.33	35604	7.47	118294	11.25
S2Q31-ECC29	81590	4.29	188524	6.75	94461	6.74	63505	7.33	35393	7.49	121875	11.25

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDoDA

- (a) Initial Cal is: S2Q29-ICC29 2Q1024.D 05/04/17 14:12. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

# Semivolatile Surrogate Recovery Summary

Job Number: MC50272  
Account: ALNE SGS Accutest New England  
Project: ATCMAS: 1524 East Mountain Road, Westfield, MA

Method: EPA 537 MOD	Matrix: AQ
---------------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50272-2	2Q1116.D	123	92	95
OP64922-BS	2Q1104.D	125	120	103
OP64922-MB	2Q1105.D	122	122	110

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = 13C2-PFHxA	61-134%
S2 = 13C2-PFDA	62-128%
S3 = d5-EtFOSAA	57-135%

7.4.1

7



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Mrs. May Kay Pelton  
34 Lewis Road  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Mrs. Pelton:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFC compounds were not detected above the laboratory reporting level (RL) of 16 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
1749 East Mountain Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

ec w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc: Denise Andler, DEP WERO  
Data Entry: FOLOFF, FOLFLD



**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

**B. This notice is being provided to the following party:**

1. Name: Mary Kay Pelton  
2. Street Address: 34 Lewis Road  
City/Town: Westfield Zip Code: 01085

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 34 Lewis Road  
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action   | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure              | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure      | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation     | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential     commercial     industrial     school/playground     Other \_\_\_\_\_
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

**E. Contact information related to the party providing this notice:**

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand,jr@state.ma.us



**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,  
VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0*  
*Automated Report*

### Technical Report for

ATC Group Services LLC.

34 Lewis Road, Westfield, MA

183EM0017

SGS Accutest Job Number: MC50277

Sampling Date: 04/28/17

Report to:

andrea.colby@sgs.com

Total number of pages in report: 19



Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.

*H. (Brad) Madadian*  
H. (Brad) Madadian  
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (AII171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

# Table of Contents

Sections:



<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Summary of Hits .....</b>	<b>6</b>
<b>Section 4: Sample Results .....</b>	<b>7</b>
<b>4.1: MC50277-2: 34 LEWIS-1 .....</b>	<b>8</b>
<b>Section 5: Misc. Forms .....</b>	<b>9</b>
<b>5.1: Chain of Custody .....</b>	<b>10</b>
<b>Section 6: Misc. Forms (SGS Accutest Southeast) .....</b>	<b>12</b>
<b>6.1: Chain of Custody .....</b>	<b>13</b>
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast) .....</b>	<b>16</b>
<b>7.1: Method Blank Summary .....</b>	<b>17</b>
<b>7.2: Blank Spike Summary .....</b>	<b>18</b>
<b>7.3: Surrogate Recovery Summaries .....</b>	<b>19</b>



# Semivolatile Surrogate Recovery Summary

Job Number: MC50277  
Account: ALNE SGS Accutest New England  
Project: ATCMAS: 34 Lewis Road, Westfield, MA

Method: EPA 537	Matrix: DW
-----------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50277-2	2Q1130.D	106 <sup>a</sup>	57* <sup>b</sup>	35* <sup>c</sup>
MC50277-2	2Q1098.D	102 <sup>a</sup>	58* <sup>b</sup>	32* <sup>b</sup>
MC50277-2	2Q1263.D	70	45* <sup>b</sup>	42* <sup>b</sup>

Surrogate Compounds	Recovery Limits
S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%
S3 = d5-EtFOSAA	70-130%

- (a) Associated BS recovery outside control limits.
- (b) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.
- (c) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis for re-extraction.

7.3.1  
7



### Sample Summary

ATC Group Services LLC.

Job No: MC50277

34 Lewis Road, Westfield, MA  
Project No: 183EM0017

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC50277-2	04/28/17	14:50 JB	05/01/17	DW Drinking Water	34 LEWIS-1

## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50277

**Site:** 34 Lewis Road, Westfield, MA

**Report Date** 5/17/2017 6:44:40 PM

1 Sample was collected on 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50277. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537

<b>Matrix:</b> DW	<b>Batch ID:</b> F:OP65024
-------------------	----------------------------

- MC50277-2: Analysis performed at SGS Accutest, Orlando FL.

Batch OP64924: MC50277-2: Confirmation run.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50277).

Wednesday, May 17, 2017

Page 1 of 1

**SGS**

4 of 19  
**ACCUTEST**  
MC50277

## Summary of Hits

Job Number: MC50277  
Account: ATC Group Services LLC.  
Project: 34 Lewis Road, Westfield, MA  
Collected: 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50277-2      34 LEWIS-1

No hits reported in this sample.

# SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Accutest New England

**Job No:** MC50277

**Site:** ATCMAS: 34 Lewis Road, Westfield, MA

**Report Date:** 5/17/2017 6:33:56 PM

1 Sample(s) were collected on 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50277. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

## Extractables by GCMS By Method EPA 537

**Matrix:** DW

**Batch ID:** OP64924

MC50277-2 for d5-NEtFOSAA: Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

MC50277-2 for 13C2-PFDA: Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

Sample(s) MC50277-2 have surrogates outside control limits.

MC50277-2: Confirmation run.

MC50277-2: Confirmation run for surrogate recoveries.

MC50277-2 for 13C2-PFHxA: Associated BS recovery outside control limits.

MC50277-2 for 13C2-PFHxA: Associated BS recovery outside control limits.

**Matrix:** DW

**Batch ID:** OP65024

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

OP65024-BS: Insufficient sample for MS/MSD.

Sample(s) MC50277-2 have surrogates outside control limits.

MC50277-2 for d5-NEtFOSAA: Outside control limits.

MC50277-2 for 13C2-PFDA: Outside control limits.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date May 17, 2017

\_\_\_\_\_  
Kim Benham, Client Services (signature on file)

Wednesday, May 17, 2017

Page 1 of 1

**Sample Results**

---

**Report of Analysis**

---

### Report of Analysis

Client Sample ID: 34 LEWIS-1	Date Sampled: 04/28/17
Lab Sample ID: MC50277-2	Date Received: 05/01/17
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 537 EPA 537	
Project: 34 Lewis Road, Westfield, MA	

4.1  
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1263.D	1	05/15/17	AFL	05/12/17	F:OP65024	F:S2Q36
Run #2 <sup>b</sup>	2Q1098.D	1	05/08/17	AFL	05/05/17	F:OP64924	F:S2Q31
Run #3 <sup>c</sup>	2Q1130.D	1	05/09/17	AFL	05/05/17	F:OP64924	F:S2Q32

Run #	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2	130 ml	1.0 ml
Run #3	130 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND		0.016	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.016	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.016	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.016	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.016	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.016	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.016	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.016	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.016	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.016	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.016	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.016	ug/l	
2355-31-9	MeFOSAA	ND		0.040	ug/l	
2991-50-6	EtFOSAA	ND		0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C2-PFHxA	70%	102% <sup>d</sup>	106% <sup>d</sup>	70-130%
	13C2-PFDA	45% <sup>e</sup>	58% <sup>e</sup>	57% <sup>e</sup>	70-130%
	d5-EtFOSAA	42% <sup>e</sup>	32% <sup>e</sup>	35% <sup>f</sup>	70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Confirmation run for surrogate recoveries. Analysis performed at SGS Accutest, Orlando FL.
- (c) Confirmation run. Analysis performed at SGS Accutest, Orlando FL.
- (d) Associated BS recovery outside control limits.
- (e) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.
- (f) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis. le for re-extraction.

ND = Not detected  
MCL = Maximum Contamination Level (40 CFR 141)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

**Misc. Forms**

---

67

**Custody Documents and Other Forms**

---

Includes the following where applicable:

- Chain of Custody





ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England  
50 D'Angelo Drive, Building One Marlborough, MA 01752  
TEL: 508-481-8200 FAX: 508-481-7753  
www.accutest.com

PREM

PAGE 1 OF 1

FED-EX Tracking #	E-Kit Order Control #
SGS Account Quote #	SGS Account Job #
	MC50277

Client/Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)												Matrix Codes			
Company Name <b>ATC Group Services</b>	Project Name <b>34 Lewis Road</b>	Street Address <b>73 William Franks Dr</b>	Street <b>34 Lewis Rd</b>	Billing Information (If different from Report to)												Matrix Codes			
City <b>WEST Springfield MA 01089</b>	City <b>Westfield</b>	State <b>MA</b>	City <b>Westfield</b>	Company Name												DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipes FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank			
Project Contact <b>Rob Smith ATC ASSOCIATES.COM</b>	Project # <b>183EMCO17</b>	E-mail <b>Rob.Smith@ATCASSOCIATES.COM</b>	Client PO#	Street Address															
Phone # <b>413-781-0070 ext 101</b>	City	Fax #	City	State	Zip														
Sample Name(s) <b>Joseph Boluc</b>	Phone # <b>413-207-1798</b>	Project Manager <b>Rob Smith</b>	Attention:	PO#															
SGS Account Sample #	Field ID / Point of Collection	MECH/OI Val #	Date	Time	Sampled by	Kerfs	# of bottles	HCl	NO3H	NO2H	HNO3	H2SO4	None	DI Water	ENCORE	Available	LAB USE ONLY		
1	34 Lewis Field Blank		4-28-17	1440	JB/DW	1											X		
2	34 Lewis - 1		4-28-17	1450	JB/DW	6	3	2	1								X	X	
3	34 Lewis - 2		4-28-17	1451	JB/DW	1											X		
INITIAL ASSESSMENT <i>bc</i>																			
LABEL VERIFICATION <i>bc</i>																			

Turnaround Time (Business days)		Data Deliverable Information		Comments / Special Instructions	
<input type="checkbox"/> Std. 10 Business Days	Approved By (SGS Account #) <i>Standard JAT</i>	<input type="checkbox"/> Commercial "A" (Level 1)	<input type="checkbox"/> NYASP Category A	Hold field blank + sample - 2 also hold sample - 1 for TOTALS IRON, Hardness + TOC *	
<input type="checkbox"/> Std. 5 Business Days (By Contract only)		<input type="checkbox"/> Commercial "B" (Level 2)	<input type="checkbox"/> NYASP Category B		
<input type="checkbox"/> 5 Day RUSH		<input type="checkbox"/> FULLT1 (Level 3+4)	<input type="checkbox"/> State Forms		
<input type="checkbox"/> 3 Day EMERGENCY		<input type="checkbox"/> CT RCP	<input type="checkbox"/> EDD Format		
<input type="checkbox"/> 2 Day EMERGENCY		<input type="checkbox"/> MA MCP	<input type="checkbox"/> Other		
<input type="checkbox"/> 1 Day EMERGENCY		Commercial "A" = Results Only Commercial "B" = Results + QC Summary			

Sample Custody must be documented below each time samples change possession, including courier delivery.					
Relinquished by: <i>Joseph Boluc</i>	Date Time: 4-28-17 1600	Received By: <i>Samir Behramani</i>	Relinquished By: <i>Joseph Boluc</i>	Date Time: 5-1-17 1032	Received By: <i>Joseph Boluc</i>
Relinquished by: <i>P.C.</i>	Date Time: 5-1-17	Received By: <i>B.C.</i>	Relinquished By:	Date Time:	Received By:
Relinquished by:	Date Time:	Received By:	Custody Seal #	<input type="checkbox"/> Intact Preserved where applicable	On Ice <input type="checkbox"/> Coolant Temp. <i>3.9, 3.8</i>
5		5		<input type="checkbox"/> Not Intact	

\* Were these analyses done?

5.1  
5

## SGS Accutest NE Sample Receipt Summary

Job Number: MC50277

Client: ATC

Project: 34 LEWIS ROAD

Date / Time Received: 5/1/2017 5:35:00 PM

Delivery Method: SGS COURIER

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (3.9/3.4); #2: (3.8/3.3);

**Cooler Security**

Y or N

Y or N

- |                           |                          |                                     |                       |                                     |                          |
|---------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

Y or N

- |                            |                                     |                          |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Thermometer ID:         | IRGUN1;                             |                          |
| 3. Cooler media:           | Ice (Bag)                           |                          |
| 4. No. Coolers:            | 2                                   |                          |

**Quality Control Preservation**

Y or N

N/A

- |                                 |                                     |                                     |                          |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

**Sample Integrity - Documentation**

Y or N

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | intact                              |                          |

**Sample Integrity - Instructions**

Y or N N/A

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

5.1  
5

**Misc. Forms**

---

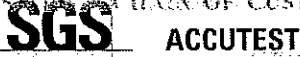
**Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Chain of Custody



50 D'Angelo Drive, 493 Technology Center West, Bldg One, Marlborough, MA 01752  
 TEL: 508-481-6200 FAX: 508-481-7733  
 www.sgs.com

<b>Client / Reporting Information</b> Company Name: <b>SGS Accutest</b> Street Address: <b>60 D'Angelo Drive, 493 Technology Center West, BLDG One</b> City: <b>Marlborough, MA 01752</b> Project Contact: <b>Jeremy</b> Phone #: <b>508-481-6200</b> Sample(s) Name(s): <b>JB</b>		<b>Project Information</b> Project Name: <b>34 Lewis Road, Westfield, MA</b> Street: _____ Billing Information (if different from Report to): _____ Company Name: _____ Street Address: _____ City: _____ State: _____ Zip: _____ Project Manager: _____ Attention: _____		<b>Requested Analysis (see TEST CODE sheet)</b> Matrix Codes: DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Waste FB - Field Blank EB - Equipment Blank RB - Rock Blank TB - Trip Blank									
Turnaround Time (Business days): _____ <input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input checked="" type="checkbox"/> other Due 5/15/2017 Emergency & Rush TIA data available VIA Lablink		<b>Data Deferrable Information</b> <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULLY (Level 3+4) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Commercial "C" <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Form <input type="checkbox"/> EDD Format <input checked="" type="checkbox"/> Other MAMCP Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data										Comments / Special Instructions Shp to ALSE - 10 Day TAT	
Sample Custody must be documented below each time samples change possession, including courier delivery.													
Requisitioned by: _____ Date Time: <b>5-2-17</b>		Received By: <b>1 FedEx</b> Date Time: _____		Requisitioned By: <b>Ex</b> Date Time: _____		Received By: _____ Date Time: <b>05/03/17</b>		Requisitioned by: _____ Date Time: _____		Received By: _____ Date Time: _____			
Requisitioned by: _____ Date Time: _____		Received By: _____ Date Time: _____		Requisitioned By: _____ Date Time: _____		Received By: _____ Date Time: _____		Requisitioned by: _____ Date Time: _____		Received By: _____ Date Time: _____			
Requisitioned by: _____ Date Time: _____		Received By: _____ Date Time: _____		Requisitioned By: _____ Date Time: _____		Received By: _____ Date Time: _____		Requisitioned by: _____ Date Time: _____		Received By: _____ Date Time: _____			
Requisitioned by: _____ Date Time: _____		Received By: _____ Date Time: _____		Requisitioned By: _____ Date Time: _____		Received By: _____ Date Time: _____		Requisitioned by: _____ Date Time: _____		Received By: _____ Date Time: _____			

6.1

MC50277: Chain of Custody  
 Page 1 of 3  
 SGS Accutest Southeast

SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50277 CLIENT: ALNE PROJECT: 34 Lewis Rd.  
 DATE/TIME RECEIVED: 05/03/17 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_

**TEMPERATURE INFORMATION**

- IR THERM ID 1 CORR. FACTOR +0.4
- OBSERVED TEMPS: 2.6
- CORRECTED TEMPS: 3.0 (USED FOR LIMS)

**SAMPLE INFORMATION**

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE [Signature] 02-03-17  
 NF 02/16 receipt confirmation 020116.xls

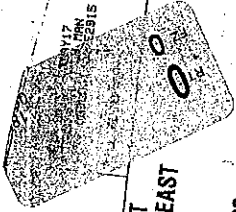
6.1  
6

MC50277: Chain of Custody  
 Page 2 of 3



ORIGIN TO BEA (508) 481-6200  
SAMPLE HANDLING (508) 481-6200  
SGS ACCUTEST LABORATORIES  
485 TENCHILD DR  
LEICESTER, MA 01752  
UNITED STATES US

TO  
SAMPLE MANAGEMENT  
SGS ACCUTEST SOUTHEAST  
4405 VINELAND RD  
SUITE C-15  
ORLANDO FL 328115803  
(407) 425-0700

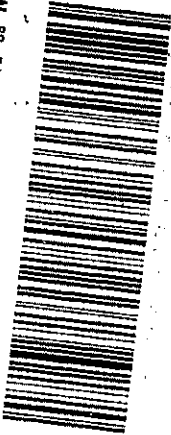


FedEx  
Express  
E

TRK 7273 7516 1831  
WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

EA ORLA

32811  
FL-US MCO



MC50277: Chain of Custody  
Page 3 of 3



**GC/MS Semi-volatiles**

---

**QC Data Summaries**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

**7**

# Method Blank Summary

Job Number: MC50277  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 34 Lewis Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-MB	2Q1258.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50277-2

7.1.1  
7

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0191	0.038	ug/l	J
2991-50-6	EtFOSAA	0.0222	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	66%	61-134%
	13C2-PFDA	92%	62-128%
	d5-EtFOSAA	77%	57-135%



# Blank Spike Summary

Job Number: MC50277  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 34 Lewis Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-BS <sup>a</sup>	2Q1257.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50277-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.146	95	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.156	101	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.161	105	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.157	102	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.154	100	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.119	77	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.108	70	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.109	71	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.184	120	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.204	133	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.172	112	70-134
2355-31-9	MeFOSAA	0.154	0.160	104	57-128
2991-50-6	EtFOSAA	0.154	0.137	89	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	88%	61-134%
	13C2-PFDA	104%	62-128%
	d5-EtFOSAA	95%	57-135%

(a) Insufficient sample for MS/MSD.

\* = Outside of Control Limits.

7.2.1  
7



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Kenneth Diegel  
23 Deveno Lane  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Mr. Diegel:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFC compounds were not detected above the laboratory reporting level (RL) of 16 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
1749 East Mountain Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

cc w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc: Denise Andler, DEP WERO  
Data Entry: FOLOFF, FOLFLD



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:  
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Kenneth Diegel  
2. Street Address: 23 Deveno Lane  
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 23 Deveno Lane  
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Temporary Solution Operation, Maintenance and Monitoring
- Other \_\_\_\_\_ (specify)

3. Description of property where sampling will be/has been conducted:

- residential
- commercial
- industrial
- school/playground
- Other \_\_\_\_\_ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand.jr@state.ma.us



**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



**ACCUTEST**  
New England

05/17/17

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0*  
Automated Report

**Technical Report for**

**ATC Group Services LLC.**

23 Deveno Lane, Westfield, MA

183EM00170

SGS Accutest Job Number: MC50274

Sampling Dates: 04/26/17 - 04/28/17

**Report to:**

ATC Group Services LLC.  
73 Williams Franks Drive  
West Springfield, MA 01089  
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 23



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

*H. (Brad) Madadian*  
H. (Brad) Madadian  
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (AII171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.



# Table of Contents

Sections:



<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Summary of Hits .....</b>	<b>6</b>
<b>Section 4: Sample Results .....</b>	<b>7</b>
<b>4.1: MC50274-1: TRIP BLANK .....</b>	<b>8</b>
<b>4.2: MC50274-3: 23 DEVENO-1 .....</b>	<b>9</b>
<b>Section 5: Misc. Forms .....</b>	<b>10</b>
<b>5.1: Chain of Custody .....</b>	<b>11</b>
<b>Section 6: Misc. Forms (SGS Accutest Southeast) .....</b>	<b>13</b>
<b>6.1: Chain of Custody .....</b>	<b>14</b>
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast) .....</b>	<b>17</b>
<b>7.1: Method Blank Summary .....</b>	<b>18</b>
<b>7.2: Blank Spike Summary .....</b>	<b>20</b>
<b>7.3: Surrogate Recovery Summaries .....</b>	<b>23</b>



### Sample Summary

ATC Group Services LLC.

Job No: MC50274

23 Deveno Lane, Westfield, MA  
Project No: 183EM00170

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC50274-1	04/26/17	16:14 JB	05/01/17	DW	Drinking Water TB	TRIP BLANK
MC50274-3	04/28/17	08:25 JB	05/01/17	DW	Drinking Water	23 DEVENO-1



## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50274

**Site:** 23 Deveno Lane, Westfield, MA

**Report Date** 5/17/2017 6:31:41 PM

1 Sample(s), 1 Trip Blank(s) were collected on between 04/26/2017 and 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50274. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537

<b>Matrix:</b> DW	<b>Batch ID:</b> F:OP64924
-------------------	----------------------------

- Analysis performed at SGS Accutest, Orlando FL.

<b>Matrix:</b> DW	<b>Batch ID:</b> F:OP65024
-------------------	----------------------------

- Analysis performed at SGS Accutest, Orlando FL.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50274).

Wednesday, May 17, 2017

Page 1 of 1

**SGS**

4 of 23  
ACCUTEST  
MC50274

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Accutest New England

**Job No:** MC50274

**Site:** ATCMAS: 23 Deveno Lane, Westfield, MA

**Report Date:** 5/17/2017 5:38:32 PM

1 Sample(s), 1 Trip Blank(s) were collected on/ between 04/26/2017 and 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50274. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537

**Matrix:** DW

**Batch ID:** OP64924

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for Perfluorododecanoic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid are outside control limits.

Sample(s) MC50274-1, MC50274-3, OP64924-BS, OP64924-MB have surrogates outside control limits.

OP64924-MB for 13C2-PFHxA: Outside control limits.

OP64924-BS for Perfluorotridecanoic acid: Outside control limits.

OP64924-BS for Perfluorotetradecanoic acid: Outside control limits.

OP64924-BS for Perfluorododecanoic acid: Outside control limits.

OP64924-BS for 13C2-PFHxA: Outside control limits.

OP64924-BS for Perfluorotridecanoic acid: Outside control limits.

OP64924-BS for 13C2-PFHxA: Outside control limits.

OP64924-BS for Perfluorododecanoic acid: Outside control limits.

MC50274-1 for 13C2-PFHxA: Associated BS recovery outside control limits. Outside control limits. However, sample was ND.

MC50274-1 for Perfluorotridecanoic acid: Associated BS recovery outside control limits. Insufficient sample for re-extraction.

MC50274-1 for Perfluorododecanoic acid: Associated BS recovery outside control limits. Insufficient sample for re-extraction.

MC50274-1 for 13C2-PFHxA: Associated BS recovery outside control limits.

MC50274-1: Confirmation run.

MC50274-3 for 13C2-PFHxA: Associated BS recovery outside control limits.

MC50274-3 for 13C2-PFHxA: Associated BS recovery outside control limits.

MC50274-3: Confirmation run.

MC50274-3: Confirmation run.

**Matrix:** DW

**Batch ID:** OP65024

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

MC50274-3 for d5-NEtFOSAA: Outside control limits.

MC50274-3 for 13C2-PFDA: Outside control limits.

MC50274-3 for 13C2-PFHxA: Outside control limits.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date May 17, 2017

\_\_\_\_\_  
Kim Benham, Client Services (signature on file)

Wednesday, May 17, 2017

Page 1 of 1

# Summary of Hits

Job Number: MC50274  
Account: ATC Group Services LLC.  
Project: 23 Deveno Lane, Westfield, MA  
Collected: 04/26/17 thru 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50274-1 TRIP BLANK

No hits reported in this sample.

MC50274-3 23 DEVENO-1

No hits reported in this sample.

**Sample Results**

---

**Report of Analysis**

---

Report of Analysis

Client Sample ID: TRIP BLANK	Date Sampled: 04/26/17
Lab Sample ID: MC50274-1	Date Received: 05/01/17
Matrix: DW - Drinking Water TB	Percent Solids: n/a
Method: EPA 537 EPA 537	
Project: 23 Deveno Lane, Westfield, MA	

4.1  
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1126.D	1	05/09/17	AFL	05/05/17	F:OP64924	F:S2Q32
Run #2 <sup>b</sup>	2Q1094.D	1	05/08/17	AFL	05/05/17	F:OP64924	F:S2Q31

Run #	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2	125 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND		0.016	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.016	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.016	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.016	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.016	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.016	ug/l	
307-55-1	Perfluorododecanoic acid <sup>c</sup>	ND		0.016	ug/l	
72629-94-8	Perfluorotridecanoic acid <sup>c</sup>	ND		0.016	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.016	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.016	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.016	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.016	ug/l	
2355-31-9	MeFOSAA	ND		0.040	ug/l	
2991-50-6	EtFOSAA	ND		0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	133% <sup>d</sup>	130% <sup>e</sup>	70-130%
	13C2-PFDA	94%	101%	70-130%
	d5-EtFOSAA	108%	110%	70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Confirmation run. Analysis performed at SGS Accutest, Orlando FL.
- (c) Associated BS recovery outside control limits. Insufficient sample for re-extraction.
- (d) Associated BS recovery outside control limits. Outside control limits. However, sample was ND.
- (e) Associated BS recovery outside control limits.

ND = Not detected  
MCL = Maximum Contamination Level (40 CFR 141)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

### Report of Analysis

4.2  
4

Client Sample ID: 23 DEVENO-1	Date Sampled: 04/28/17
Lab Sample ID: MC50274-3	Date Received: 05/01/17
Matrix: DW - Drinking Water	Percent Solids: n/a
Method: EPA 537 EPA 537	
Project: 23 Deveno Lane, Westfield, MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1260.D	1	05/15/17	AFL	05/12/17	F:OP65024	F:S2Q36
Run #2 <sup>b</sup>	2Q1095.D	1	05/08/17	AFL	05/05/17	F:OP64924	F:S2Q31
Run #3 <sup>b</sup>	2Q1127.D	1	05/09/17	AFL	05/05/17	F:OP64924	F:S2Q32

Run #	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2	130 ml	1.0 ml
Run #3	130 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND		0.016	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.016	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.016	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.016	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.016	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.016	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.016	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.016	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.016	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.016	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.016	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.016	ug/l	
2355-31-9	MeFOSAA	ND		0.040	ug/l	
2991-50-6	EtFOSAA	ND		0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C2-PFHxA	62% <sup>d</sup>	121% <sup>c</sup>	124% <sup>c</sup>	70-130%
	13C2-PFDA	53% <sup>d</sup>	105%	100%	70-130%
	d5-EtFOSAA	52% <sup>d</sup>	100%	100%	70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Confirmation run. Analysis performed at SGS Accutest, Orlando FL.
- (c) Associated BS recovery outside control limits.
- (d) Outside control limits.

ND = Not detected  
MCL = Maximum Contamination Level (40 CFR 141)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

**Misc. Forms**

---

**5****Custody Documents and Other Forms**

---

Includes the following where applicable:

- Chain of Custody





## SGS Accutest NE Sample Receipt Summary

Job Number: MC50274

Client: ATC

Project: 23 DEVENO LN

Date / Time Received: 5/1/2017 5:35:00 PM

Delivery Method: SGS COURIER

Airbill #s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (3.9/3.4); #2: (3.8/3.3);

**Cooler Security**

	<u>Y or N</u>			<u>Y or N</u>	
1. Custody Seals Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Smp'l Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Cooler Temperature**

	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Thermometer ID:	<u>IRGUN1;</u>	
3. Cooler media:	<u>Ice (Bag)</u>	
4. No. Coolers:	<u>2</u>	

**Quality Control Preservation**

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

**Sample Integrity - Documentation**

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

**Sample Integrity - Condition**

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input type="checkbox"/>		<input checked="" type="checkbox"/>
3. Condition of sample:	<u>Intact</u>		

**Sample Integrity - Instructions**

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

5.1  
5

MC50274: Chain of Custody  
Page 2 of 2



**Misc. Forms**

---

**Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Chain of Custody



SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50274 CLIENT: ALNE PROJECT: 23 Devero Lane  
 DATE/TIME RECEIVED: 05/03/17 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_  
 TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

**TEMPERATURE INFORMATION**

- IR THERM ID 1 CORR. FACTOR +0.4
- OBSERVED TEMPS: 2.6
- CORRECTED TEMPS: 3.0 (USED FOR LIMS)

**SAMPLE INFORMATION**

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: \_\_\_\_\_

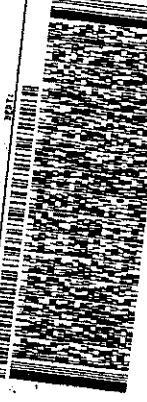
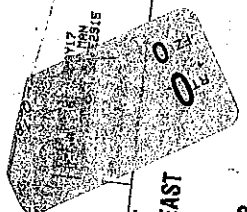
TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE [Signature] 05-03-17  
 NF 02/16 receipt confirmation 020116.xls

6.1  
6

MC50274: Chain of Custody  
 Page 2 of 3

ORIGIN ID: 8888 (508) 481-8200  
SGS ACCUTEST LABORATORIES  
30 D'ARVILLE BLVD  
MARIETTA, GA 30067  
HOURS: MON-FRI 8:00-5:00  
SAT 9:00-12:00  
UNLTD. STAFF NR 01752  
UNITED STATES

TO SAMPLE MANAGEMENT  
SGS ACCUTEST SOUTHEAST  
4405 VINELAND RD  
SUITE C-15  
ORLANDO FL 328115803  
(407) 428-6700



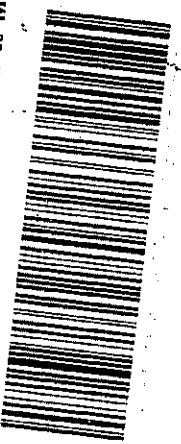
FedEx  
Express  
E

TAKE  
CREDIT  
7273 7516 1831

WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

EA ORLA

32811  
FL-US  
MCO



Part 0 105148-434 R12 07/13

MC50274: Chain of Custody  
Page 3 of 3



16 of 23  
ACCUTEST  
MC50274

**GC/MS Semi-volatiles**

---

**QC Data Summaries**

(SGS Accutest Southeast)

---

**Includes the following where applicable:**

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

# Method Blank Summary

Job Number: MC50274  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 23 Deveno Lane, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64924-MB	2Q1093.D	1	05/08/17	NAF	05/05/17	OP64924	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537

MC50274-1

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0202	0.038	ug/l	J
2991-50-6	EtFOSAA	0.0247	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Results	Limits
	13C2-PFHxA	133%* a	70-130%
	13C2-PFDA	124%	70-130%
	d5-EtFOSAA	108%	70-130%

(a) Outside control limits.

7.1.1  
7

# Method Blank Summary

Job Number: MC50274  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 23 Deveno Lane, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-MB	2Q1258.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50274-3

7.1.2  
7

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0191	0.038	ug/l	J
2991-50-6	EtFOSAA	0.0222	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	66%	61-134%
	13C2-PFDA	92%	62-128%
	d5-EtFOSAA	77%	57-135%



# Blank Spike Summary

Job Number: MC50274  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 23 Deveno Lane, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64924-BS	2Q1092.D	1	05/08/17	NAF	05/05/17	OP64924	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537

MC50274-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.161	105	70-130
375-85-9	Perfluoroheptanoic acid	0.154	0.159	103	70-130
335-67-1	Perfluorooctanoic acid	0.154	0.153	99	70-130
375-95-1	Perfluorononanoic acid	0.154	0.162	105	70-130
335-76-2	Perfluorodecanoic acid	0.154	0.136	88	70-130
2058-94-8	Perfluoroundecanoic acid	0.154	0.113	73	70-130
307-55-1	Perfluorododecanoic acid	0.154	0.101	66* a	70-130
72629-94-8	Perfluorotridecanoic acid	0.154	0.0975	63* a	70-130
376-06-7	Perfluorotetradecanoic acid	0.154	0.103	67* a	70-130
375-73-5	Perfluorobutanesulfonic acid	0.154	0.154	100	70-130
355-46-4	Perfluorohexanesulfonic acid	0.154	0.158	103	70-130
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.137	89	70-130
2355-31-9	MeFOSAA	0.154	0.158	103	70-130
2991-50-6	EtFOSAA	0.154	0.146	95	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	134%* a	70-130%
	13C2-PFDA	120%	70-130%
	d5-EtFOSAA	103%	70-130%

(a) Outside control limits.

\* = Outside of Control Limits.

7.2.1  
7

# Blank Spike Summary

Job Number: MC50274  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 23 Deveno Lane, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64924-BS	2Q1125.D	1	05/09/17	NAF	05/05/17	OP64924	S2Q32

The QC reported here applies to the following samples:

Method: EPA 537

MC50274-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.172	112	70-130
375-85-9	Perfluoroheptanoic acid	0.154	0.167	109	70-130
335-67-1	Perfluorooctanoic acid	0.154	0.155	101	70-130
375-95-1	Perfluorononanoic acid	0.154	0.165	107	70-130
335-76-2	Perfluorodecanoic acid	0.154	0.140	91	70-130
2058-94-8	Perfluoroundecanoic acid	0.154	0.117	76	70-130
307-55-1	Perfluorododecanoic acid	0.154	0.102	66* a	70-130
72629-94-8	Perfluorotridecanoic acid	0.154	0.100	65* a	70-130
376-06-7	Perfluorotetradecanoic acid	0.154	0.117	76	70-130
375-73-5	Perfluorobutanesulfonic acid	0.154	0.152	99	70-130
355-46-4	Perfluorohexanesulfonic acid	0.154	0.152	99	70-130
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.139	90	70-130
2355-31-9	MeFOSAA	0.154	0.153	99	70-130
2991-50-6	EtFOSAA	0.154	0.136	88	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	143%* a	70-130%
	13C2-PFDA	117%	70-130%
	d5-EtFOSAA	103%	70-130%

(a) Outside control limits.

\* = Outside of Control Limits.

7.2.2  
7

# Blank Spike Summary

Job Number: MC50274  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 23 Deveno Lane, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-BS <sup>a</sup>	2Q1257.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50274-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.146	95	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.156	101	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.161	105	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.157	102	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.154	100	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.119	77	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.108	70	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.109	71	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.184	120	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.204	133	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.172	112	70-134
2355-31-9	MeFOSAA	0.154	0.160	104	57-128
2991-50-6	EtFOSAA	0.154	0.137	89	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	88%	61-134%
	13C2-PFDA	104%	62-128%
	d5-EtFOSAA	95%	57-135%

(a) Insufficient sample for MS/MSD.

\* = Outside of Control Limits.

7.2.3  
7



# Semivolatile Surrogate Recovery Summary

Job Number: MC50274  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 23 Deveno Lane, Westfield, MA

Method: EPA 537	Matrix: DW
-----------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50274-1	2Q1094.D	130 <sup>a</sup>	101	110
MC50274-1	2Q1126.D	133* <sup>b</sup>	94	108
MC50274-3	2Q1260.D	62* <sup>c</sup>	53* <sup>c</sup>	52* <sup>c</sup>
MC50274-3	2Q1095.D	121 <sup>a</sup>	105	100
MC50274-3	2Q1127.D	124 <sup>a</sup>	100	100
OP64924-BS	2Q1092.D	134* <sup>c</sup>	120	103
OP64924-BS	2Q1125.D	143* <sup>c</sup>	117	103
OP64924-MB	2Q1093.D	133* <sup>c</sup>	124	108

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%
S3 = d5-EtFOSAA	70-130%

- (a) Associated BS recovery outside control limits.
- (b) Associated BS recovery outside control limits. Outside control limits. However, sample was ND.
- (c) Outside control limits.

7.3.1

7



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Mr. Alan Fini  
2050 East Mountain Road  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Mr. Fini:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFC compounds were not detected above the laboratory reporting level (RL) of 17 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
2050 East Mountain Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

cc w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc: Denise Andler, DEP WERO  
Data Entry: FOLOFF, FOLFLD



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

**B. This notice is being provided to the following party:**

1. Name: Mr. Alan Fini  
2. Street Address: 2050 East Mountain Road  
City/Town: Westfield Zip Code: 01085

**C. This notice is being given to inform its recipient (the party listed in Section B):**

1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 2050 East Mountain Road  
City/Town: Westfield Zip Code: 01085
2. MCP phase of work during which the sampling will be/has been conducted:
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action   | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure              | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure      | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation     | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)
3. Description of property where sampling will be/has been conducted:  
 residential  commercial  industrial  school/playground  Other \_\_\_\_\_  
(specify)
4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

**E. Contact information related to the party providing this notice:**

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand.jr@state.ma.us



**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,  
VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0*  
Automated Report

### Technical Report for

**ATC Group Services LLC.**

2050 East Mountain Road, Westfield, MA

183EM00170

SGS Accutest Job Number: MC50278

Sampling Date: 04/28/17

#### Report to:

ATC Group Services LLC.  
73 Williams Franks Drive  
West Springfield, MA 01089  
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 25



Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.

H. (Brad) Madadian  
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

# Table of Contents

Sections:



<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Summary of Hits .....</b>	<b>6</b>
<b>Section 4: Sample Results .....</b>	<b>7</b>
<b>4.1: MC50278-2: 2050 EAST MT-1 .....</b>	<b>8</b>
<b>Section 5: Misc. Forms .....</b>	<b>9</b>
<b>5.1: Chain of Custody .....</b>	<b>10</b>
<b>5.2: MCP Form .....</b>	<b>12</b>
<b>5.3: Sample Tracking Chronicle .....</b>	<b>13</b>
<b>5.4: QC Evaluation: MA MCP Limits .....</b>	<b>14</b>
<b>Section 6: Misc. Forms (SGS Accutest Southeast) .....</b>	<b>15</b>
<b>6.1: Chain of Custody .....</b>	<b>16</b>
<b>6.2: Sample Tracking Chronicle .....</b>	<b>19</b>
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast) .....</b>	<b>20</b>
<b>7.1: Method Blank Summary .....</b>	<b>21</b>
<b>7.2: Blank Spike Summary .....</b>	<b>22</b>
<b>7.3: Internal Standard Area Summaries .....</b>	<b>23</b>
<b>7.4: Surrogate Recovery Summaries .....</b>	<b>25</b>



### Sample Summary

ATC Group Services LLC.

Job No: MC50278

2050 East Mountain Road, Westfield, MA

Project No: 183EM00170

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC50278-2	04/28/17	10:55 JB	05/01/17	AQ	Ground Water	2050 EAST MT-1

## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50278

**Site:** 2050 East Mountain Road, Westfield, MA

**Report Date** 5/12/2017 2:31:53 PM

1 Sample was collected on 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50278. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537 MOD

**Matrix:** AQ

**Batch ID:** F:OP64922

- MC50278-2: Analysis performed at SGS Accutest, Orlando FL.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50278).

Friday, May 12, 2017

Page 1 of 1

**SGS**

4 of 25  
ACCUTEST  
MC50278

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Accutest New England

**Job No:** MC50278

**Site:** ATCMAS: 2050 East Mountain Road, Westfield, MA

**Report Date:** 5/12/2017 1:16:32 PM

1 Sample(s) were collected on 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50278. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537 MOD

**Matrix:** AQ

**Batch ID:** OP64922

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date May 12, 2017

Kim Benham, Client Services (signature on file)

Friday, May 12, 2017

Page 1 of 1

## Summary of Hits

Page 1 of 1

Job Number: MC50278  
Account: ATC Group Services LLC.  
Project: 2050 East Mountain Road, Westfield, MA  
Collected: 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50278-2 2050 EAST MT-1

No hits reported in this sample.

**Sample Results**

---

**Report of Analysis**

---

Report of Analysis

Client Sample ID:	2050 EAST MT-1	Date Sampled:	04/28/17
Lab Sample ID:	MC50278-2	Date Received:	05/01/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 537 MOD EPA 537 MOD		
Project:	2050 East Mountain Road, Westfield, MA		

4.1  
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1118.D	1	05/08/17	AFL	05/05/17	F:OP64922	F:S2Q31
Run #2							

Run #	Initial Volume	Final Volume
Run #1	120 ml	1.0 ml
Run #2		

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.017	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.017	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.017	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.017	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.017	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.017	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.017	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.017	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.017	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.017	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.017	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.017	ug/l	
2355-31-9	MeFOSAA	ND	0.042	ug/l	
2991-50-6	EtFOSAA	ND	0.042	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	122%		61-134%
	13C2-PFDA	96%		62-128%
	d5-EtFOSAA	104%		57-135%

(a) Analysis performed at SGS Accutest, Orlando FL.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



**Misc. Forms**

67

**Custody Documents and Other Forms**

---

Includes the following where applicable:

- Chain of Custody
- MCP Form
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



ACCUTEST

SGS Accutest Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811  
TEL: 407-425-6700 FAX: 407-425-0707  
www.sgsaccutest.com

PREM

SGS ACCUTEST JOB #: PAGE 1 OF 1  
MC50278

SGS Accutest Quote # SKIFF #

Client / Reporting Information			Project Information			Analytical Information										Matrix Codes	
Company Name: <b>ATC Group Services</b>			Project Name: <b>2050 EAST MOUNTAIN ROAD</b>			EPA Method 537 modified TOTAL ASSESSMENT HARDNESS, TDS										DW - Drinking Water	
Address: <b>73 William Franks Dr</b>			Street: <b>2050 EAST MOUNTAIN ROAD</b>													GW - Ground Water	
City: <b>WEST SPRINGFIELD MA</b> Zip: <b>01089</b>			City: <b>WESTFIELD</b> State: <b>MA</b>													WW - Water	
Project Contact: <b>Rob Smith</b> Email: <b>Rob.Smith@ATC Associates</b>			Project # <b>183EM00170</b>													SW - Surface Water	
Phone #: <b>413-781-0070</b>			Fax #			SO - Soil											
Sampler(s) Name(s) (Printed)			Client Purchase Order #			SL - Sludge											
Sampler 1: <b>J. S. MacArthur</b>						OI - Oil											
Sampler 2:						LIQ - Other Liquid											
COLLECTION			CONTAINER INFORMATION										LAB USE ONLY				
SGS Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	IONIC	HCl	NO3	NO2	SS04	NO3-NH4	DI WATER	MESH		
-1	2050 EAST MT Field Blank	4-28-17	1050	JB	GW	1		X									
-2	2050 EAST MT-1	4-28-17	1055	JB	GW	6		1	3	2						X	
-3	2050 EAST MT-2	4-28-17	1056	JB	GW	1		X								X	
INITIAL ASSESSMENT <i>low</i>																	
LABEL VERIFICATION <i>low</i>																	
Turnaround Time (Business days)			Data Deliverable Information										Comments / Remarks				
10 Day (Business) 7 Day 6 Day 3 Day RUSH 2 Day RUSH 1 Day RUSH Other			Approved By / Date: <b>Standard TAT</b>			<input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input type="checkbox"/> FULLT1 (EPA LEVEL 4) <input type="checkbox"/> EDD'S					Hold field blank and Sample-2 also hold Sample-1 for details Iron, Hardness + TDS						
Rush T/A Data Available VIA Email or Lablink																	
Relinquished by Sample/Affiliation		Date Time		Received By/Affiliation		Relinquished by/Affiliation		Date Time		Received By/Affiliation		Relinquished by/Affiliation		Date Time		Received By/Affiliation	
1 <i>[Signature]</i>		4-28-17 1600		Sample Rep/Department		3 <i>[Signature]</i>		5-1-17 1035		<i>[Signature]</i>		5-1-17 1035		<i>[Signature]</i>		<i>[Signature]</i>	
4 <i>[Signature]</i>		5-1-17		B.C.		7				8							
Lab Use Only: Cooler Temperature (s) Celsius: <b>3.8° 3.9°</b>																	

5.1 5

## SGS Accutest NE Sample Receipt Summary

Job Number: MC50278

Client: ATC

Project: 2050 EAST MOUNTAIN RD

Date / Time Received: 5/1/2017 5:35:00 PM

Delivery Method: SGS COURIER

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (3.8/3.3); #2: (3.9/3.4);

**Cooler Security**

1. Custody Seals Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Cooler Temperature**

1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Thermometer ID:	IRGUN1;	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	2	

**Quality Control Preservation**

	Y	or	N	N/A
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved property:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

**Sample Integrity - Documentation**

1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Sample Integrity - Condition**

1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	Intact	

**Sample Integrity - Instructions**

	Y	or	N	N/A
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

5.1  
5

MC50278: Chain of Custody

Page 2 of 2





Massachusetts Department  
of Environmental Protection  
Bureau of Waste Site Cleanup

WSC-CAM	Exhibit VII A
July 1, 2010	Revision No. 1
Final	

**Exhibit VII A-2: MassDEP Analytical Protocol Certification Form**

5.2  
5

MassDEP Analytical Protocol Certification Form					
Laboratory Name: <u>SGS Accutest- Marlborough</u>		Project #:		<u>MC50278</u>	
Project Location: <u>2050 East Mountain Road, Westfield, MA</u>			MADEP RTN	None	
This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s) <u>MC50278-2</u>					
Matrices: Groundwater/Surface Water (X)    Soil/Sediment ( )    Drinking Water ( )    Air ( )    Other ( )					
CAM Protocol (check all that apply below):					
8260 VOC ( ) CAM IIA	7470/7471 Hg ( ) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals ( ) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate ( ) CAM VIII B	
<b>Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status</b>					
A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Responses to questions G, H, and I below is required for "Presumptive Certainty" status</b>					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <sup>1</sup>
<b>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.</b>					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <sup>1</sup>
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <sup>1</sup>
<b>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.</b>					
<b>I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.</b>					
Signature: <u>[Signature]</u>		Position: <u>Laboratory Director</u>			
Printed Name: <u>H. (Brad) Madadian</u>		Date: <u>12-May-17</u>			

### Internal Sample Tracking Chronicle

ATC Group Services LLC.

Job No: MC50278

2050 East Mountain Road, Westfield, MA

Project No: 183EM00170

5.3  
5

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50278-2 Collected: 28-APR-17 10:55 By: JB Received: 01-MAY-17 By: TF 2050 EAST MT-1						
MC50278-2	EPA 537 MOD	08-MAY-17 20:54	AFL	05-MAY-17	AFL	LC537LIST

# QC Evaluation: MA MCP Limits

Job Number: MC50278  
Account: ATC Group Services LLC.  
Project: 2050 East Mountain Road, Westfield, MA  
Collected: 04/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
--------------	------	---------	--------------------	-------------	-------	--------

No Exceptions found.

5.4  
5

---

\* Sample used for QC is not from job MC50278

**Misc. Forms**

---

**Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle





SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50278 CLIENT: ALNE PROJECT: 2050 East Mountain Rd.  
 DATE/TIME RECEIVED: 05/03/17 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UFS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_

**TEMPERATURE INFORMATION**

IR THERM ID 1 CORR. FACTOR +0.4  
 OBSERVED TEMPS: 2.6  
 CORRECTED TEMPS: 3.0 (USED FOR LIMS)

**SAMPLE INFORMATION**

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

SUMMARY OF COMMENTS: \_\_\_\_\_

TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE [Signature] 05-03-17

NF 02/16

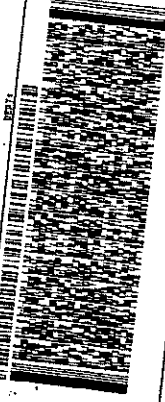
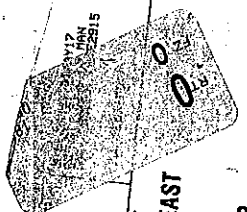
receipt confirmation 020116.xls

6.1  
6

ORIGIN ID: 18888 (DOB) 481-8200  
SGS ACCUTEST MANAGEMENT  
50 D'ARCELLO LABORATORIES  
MARIE JEAN CENTER H. BUILDING 1  
UNITED STATES, OR 01782  
02915

TO  
SAMPLE MANAGEMENT  
SGS ACCUTEST SOUTHEAST  
4405 VINELAND RD  
SUITE C-15  
ORLANDO FL 328115803

407-425-0700  
NET



FedEx  
Express  
E

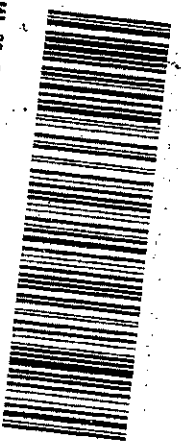
7273 7516 1831

WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

EA ORLA

PNR # 160148-436 R072 0713

32811  
FL-US MCO



MC50278: Chain of Custody  
Page 3 of 3

SGS

18 of 25  
ACCUTEST  
MC50278

### Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50278

ATCMAS: 2050 East Mountain Road, Westfield, MA

Project No: 183EM00170

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
---------------	--------	----------	----	---------	----	------------

MC50278-2 Collected: 28-APR-17 10:55 By: JB Received: 01-MAY-17 By: JC  
2050 EAST MT-1

MC50278-2 EPA 537 MOD 08-MAY-17 20:54 NAF 05-MAY-17 MB LC537LIST

6.2  
6

**GC/MS Semi-volatiles****QC Data Summaries**

(SGS Accutest Southeast)

**7**

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

**Method Blank Summary**

Job Number: MC50278  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 2050 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64922-MB	2Q1105.D	1	05/08/17	NAF	05/05/17	OP64922	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50278-2

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0199	0.038	ug/l	J
2991-50-6	EtFOSAA	0.0231	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits
	13C2-PFHxA	122% 61-134%
	13C2-PFDA	122% 62-128%
	d5-EtFOSAA	110% 57-135%

7.1.1  
7

# Blank Spike Summary

Job Number: MC50278  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 2050 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64922-BS	2Q1104.D	1	05/08/17	NAF	05/05/17	OP64922	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50278-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.165	107	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.166	108	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.160	104	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.148	96	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.124	81	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.104	68	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.0984	64	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.105	68	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.164	107	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.173	112	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.147	96	70-134
2355-31-9	MeFOSAA	0.154	0.154	100	57-128
2991-50-6	EtFOSAA	0.154	0.138	90	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	125%	61-134%
	13C2-PFDA	120%	62-128%
	d5-EtFOSAA	103%	57-135%

\* = Outside of Control Limits.

7.2.1

7

# Semivolatiles Internal Standard Area Summary

Job Number: MC50278  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 2050 East Mountain Road, Westfield, MA

Check Std:	S2Q31-CC29	Injection Date:	05/08/17
Lab File ID:	2Q1102.D	Injection Time:	15:38
Instrument ID:	GCMS2Q	Method:	EPA 537 MOD

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal <sup>a</sup>	69309	4.25	144240	6.71	81852	6.70	51619	7.28	28993	7.46	105323	10.91
Check Std <sup>b</sup>	72826	4.29	170039	6.75	86719	6.74	56653	7.33	32654	7.47	110223	11.26
Upper Limit <sup>c</sup>	103964	5.29	216360	7.75	122778	7.74	77429	8.33	43490	8.47	157985	12.26
Lower Limit <sup>d</sup>	34655	3.29	72120	5.75	40926	5.74	25810	6.33	14497	6.47	52662	10.26

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP64922-BS	77527	4.29	180626	6.75	91540	6.74	59846	7.31	34361	7.47	115073	11.20
OP64922-MB	73207	4.27	159475	6.75	85988	6.73	56107	7.31	33113	7.47	100042	11.25
MC50256-1	66584	4.27	148591	6.75	78624	6.74	53175	7.33	30291	7.47	99264	11.25
OP64922-MS	69913	4.27	162764	6.75	82741	6.73	54342	7.31	30261	7.47	102759	11.18
OP64922-MSD	71909	4.29	168189	6.75	83660	6.74	56148	7.33	31992	7.47	108082	11.25
ZZZZZZ	68298	4.27	168654	6.75	85597	6.73	59106	7.31	30868	7.47	109720	11.16
ZZZZZZ	73808	4.29	163869	6.75	88092	6.74	58014	7.31	33066	7.47	107232	11.19
ZZZZZZ	71610	4.29	158644	6.75	83744	6.74	56046	7.31	32043	7.47	105410	11.18

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDODA

- (a) Initial Cal is: S2Q29-ICC29 2Q1024.D 05/04/17 14:12. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.3.1  
7

# Semivolatiles Internal Standard Area Summary

Job Number: MC50278  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 2050 East Mountain Road, Westfield, MA

Check Std:	S2Q31-CC29	Injection Date:	05/08/17
Lab File ID:	2Q1112.D	Injection Time:	18:56
Instrument ID:	GCMS2Q	Method:	EPA 537 MOD

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal <sup>a</sup>	69309	4.25	144240	6.71	81852	6.70	51619	7.28	28993	7.46	105323	10.91
Check Std <sup>b</sup>	75552	4.29	176953	6.75	90197	6.73	59252	7.31	34095	7.47	114518	11.21
Upper Limit <sup>c</sup>	103964	5.29	216360	7.75	122778	7.73	77429	8.31	43490	8.47	157985	12.21
Lower Limit <sup>d</sup>	34655	3.29	72120	5.75	40926	5.73	25810	6.31	14497	6.47	52662	10.21

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
ZZZZZZ	74741	4.29	164512	6.75	87661	6.74	58459	7.33	33742	7.47	111061	11.21
ZZZZZZ	74186	4.27	167160	6.75	88695	6.73	58044	7.31	33482	7.47	110164	11.18
ZZZZZZ	76999	4.29	172620	6.75	92133	6.74	61181	7.33	34440	7.47	117175	11.24
ZZZZZZ	77228	4.27	169761	6.75	91424	6.73	60463	7.31	34797	7.47	115291	11.24
MC50278-2	79518	4.29	177132	6.75	94052	6.74	62859	7.33	35604	7.47	118294	11.25
S2Q31-ECC29	81590	4.29	188524	6.75	94461	6.74	63505	7.33	35393	7.49	121875	11.25

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDoDA

- (a) Initial Cal is: S2Q29-ICC29 2Q1024.D 05/04/17 14:12. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.32  
7



# Semivolatile Surrogate Recovery Summary

Job Number: MC50278  
Account: ALNE SGS Accutest New England  
Project: ATCMAS: 2050 East Mountain Road, Westfield, MA

Method: EPA 537 MOD	Matrix: AQ
---------------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50278-2	2Q1118.D	122	96	104
OP64922-BS	2Q1104.D	125	120	103
OP64922-MB	2Q1105.D	122	122	110

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 13C2-PFHxA	61-134%
S2 = 13C2-PFDA	62-128%
S3 = d5-EtFOSAA	57-135%

7.4.1  
7



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Peter & Nadezhda Babinov  
95 Old Holyoke Road  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Mr. & Mrs. Babinov:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFC compounds were not detected above the laboratory reporting level (RL) of 16 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
95 Old Holyoke Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

ec: w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc: Denise Andler, DEP WERO  
Data Entry: FOLOFF,



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:  
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: Peter & Nadezhda Babinov  
2. Street Address: 95 Old Holyoke Road  
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 95 Old Holyoke Road  
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- Immediate Response Action
- Release Abatement Measure
- Utility-related Abatement Measure
- Phase I Initial Site Investigation
- Phase II Comprehensive Site Assessment
- Phase III Feasibility Evaluation
- Phase IV Remedy Implementation Plan
- Phase V/Remedy Operation Status
- Post-Temporary Solution Operation, Maintenance and Monitoring
- Other \_\_\_\_\_ (specify)

3. Description of property where sampling will be/has been conducted:

- residential
- commercial
- industrial
- school/playground
- Other \_\_\_\_\_ (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand.jr@state.ma.us



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,  
VERIFICATION, TESTING AND CERTIFICATION COMPANY.*e-Hardcopy 2.0*  
Automated Report**Technical Report for****ATC Group Services LLC.**

95 Old Holyoke Road, Westfield, MA

183EM00170

SGS Accutest Job Number: MC50273

Sampling Date: 04/28/17

**Report to:**ATC Group Services LLC.  
73 Williams Franks Drive  
West Springfield, MA 01089  
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 25

Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.  
H. (Brad) Madadian  
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

# Table of Contents

Sections:



<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Summary of Hits .....</b>	<b>6</b>
<b>Section 4: Sample Results .....</b>	<b>7</b>
<b>4.1: MC50273-2: 95 OLD HOLYOKE-1 .....</b>	<b>8</b>
<b>Section 5: Misc. Forms .....</b>	<b>9</b>
<b>5.1: Chain of Custody .....</b>	<b>10</b>
<b>5.2: MCP Form .....</b>	<b>12</b>
<b>5.3: Sample Tracking Chronicle .....</b>	<b>13</b>
<b>5.4: QC Evaluation: MA MCP Limits .....</b>	<b>14</b>
<b>Section 6: Misc. Forms (SGS Accutest Southeast) .....</b>	<b>15</b>
<b>6.1: Chain of Custody .....</b>	<b>16</b>
<b>6.2: Sample Tracking Chronicle .....</b>	<b>19</b>
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast) .....</b>	<b>20</b>
<b>7.1: Method Blank Summary .....</b>	<b>21</b>
<b>7.2: Blank Spike Summary .....</b>	<b>22</b>
<b>7.3: Internal Standard Area Summaries .....</b>	<b>23</b>
<b>7.4: Surrogate Recovery Summaries .....</b>	<b>25</b>



### Sample Summary

ATC Group Services LLC.

Job No: MC50273

95 Old Holyoke Road, Westfield, MA  
Project No: 183EM00170

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC50273-2	04/28/17	09:00 JB	05/01/17	AQ Ground Water	95 OLD HOLYOKE-1



## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50273

**Site:** 95 Old Holyoke Road, Westfield, MA

**Report Date** 5/12/2017 2:35:17 PM

1 Sample was collected on 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50273. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537 MOD

<b>Matrix:</b> AQ	<b>Batch ID:</b> F:OP64922
-------------------	----------------------------

- MC50273-2: Analysis performed at SGS Accutest, Orlando FL.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50273).

Friday, May 12, 2017

Page 1 of 1

**SGS**

4 of 25  
**ACCUTEST**  
MC50273

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Accutest New England

**Job No:** MC50273

**Site:** ATCMAS: 95 Old Holyoke Road, Westfield, MA

**Report Date** 5/12/2017 1:10:58 PM

1 Sample(s) were collected on 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50273. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537 MOD

**Matrix:** AQ

**Batch ID:** OP64922

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date May 12, 2017

Kim Benham, Client Services (signature on file)

Friday, May 12, 2017

Page 1 of 1

# Summary of Hits

Job Number: MC50273  
Account: ATC Group Services LLC.  
Project: 95 Old Holyoke Road, Westfield, MA  
Collected: 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50273-2 95 OLD HOLYOKE-1

No hits reported in this sample.

**Sample Results**

---

**Report of Analysis**

---

### Report of Analysis

Client Sample ID:	95 OLD HOLYOKE-1	Date Sampled:	04/28/17
Lab Sample ID:	MC50273-2	Date Received:	05/01/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 537 MOD EPA 537 MOD		
Project:	95 Old Holyoke Road, Westfield, MA		

4.1  
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1117.D	1	05/08/17	AFL	05/05/17	F:OP64922	F:S2Q31
Run #2							

Run #	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2		

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.016	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.016	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.016	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.016	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.016	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.016	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.016	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.016	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.016	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.016	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.016	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.016	ug/l	
2355-31-9	MeFOSAA	ND	0.040	ug/l	
2991-50-6	EtFOSAA	ND	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	119%		61-134%
	13C2-PFDA	105%		62-128%
	d5-EtFOSAA	100%		57-135%

(a) Analysis performed at SGS Accutest, Orlando FL.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Misc. Forms**

5

**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- MCP Form
- Sample Tracking Chronicle
- QC Evaluation: MA MCP Limits



## SGS Accutest NE Sample Receipt Summary

Job Number: MC50273

Client: ATC

Project: 95 OLD HOLYOKE RD

Date / Time Received: 5/1/2017 5:35:00 PM

Delivery Method: SGS COURIER

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (3.9/3.4); #2: (3.8/3.3);

**Cooler Security**

- |                           |  |                        |  |
|---------------------------|--|------------------------|--|
|                           | <u>Y</u> or <u>N</u>   |                        | <u>Y</u> or <u>N</u>   |
| 1. Custody Seals Present: | <input type="checkbox"/> <input checked="" type="checkbox"/> | 3. COC Present:        | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input type="checkbox"/> <input checked="" type="checkbox"/> | 4. Smp'l Dates/Time OK | <input checked="" type="checkbox"/> <input type="checkbox"/> |

**Cooler Temperature**

- |                            |  |
|----------------------------|--|
|                            | <u>Y</u> or <u>N</u>   |
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Thermometer ID:         | IRGUN1;  |
| 3. Cooler media:           | Ice (Bag)  |
| 4. No. Coolers:            | 2  |

**Quality Control Preservation**

- |                                 |   |            |
|---------------------------------|---|------------|
|                                 | <u>Y</u> or <u>N</u>  | <u>N/A</u> |
| 1. Trip Blank present / cooler: | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |            |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |            |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |            |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |            |

**Sample Integrity - Documentation**

- |  |  |
|--|--|
|  | <u>Y</u> or <u>N</u>   |
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> <input type="checkbox"/> |

**Sample Integrity - Condition**

- |                                  |  |
|----------------------------------|--|
|                                  | <u>Y</u> or <u>N</u>   |
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 3. Condition of sample:          | Intact   |

**Sample Integrity - Instructions**

- |   |  |                                     |
|---|--|-------------------------------------|
|   | <u>Y</u> or <u>N</u>   | <u>N/A</u>                          |
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> <input type="checkbox"/> |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> <input type="checkbox"/> |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/> <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/> <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

5.1

MC50273: Chain of Custody  
Page 2 of 2







Massachusetts Department  
of Environmental Protection  
Bureau of Waste Site Cleanup

WSC-CAM

Exhibit VII A

July 1, 2010

Revision No. 1

Final

Exhibit VII A-2: MassDEP Analytical Protocol Certification Form

MassDEP Analytical Protocol Certification Form

52  
5

Laboratory Name: SGS Accutest- Marlborough Project #: MC50273

Project Location: 95 Old Holyoke Road, Westfield, MA MADEP RTN None

This form provides certifications for the following data set: list Laboratory Sample ID Numbers(s)  
MC50273-2

Matrices: Groundwater/Surface Water (X) Soil/Sediment ( ) Drinking Water ( ) Air ( ) Other ( )

CAM Protocol (check all that apply below):

8260 VOC ( ) CAM IIA	7470/7471 Hg ( ) CAM III B	MassDEP VPH ( ) CAM IV A	8081 Pesticides ( ) CAM V B	7196 Hex Cr ( ) CAM VI B	Mass DEP APH ( ) CAM IX A
8270 SVOC ( ) CAM II B	7010 Metals ( ) CAM III C	MassDEP EPH ( ) CAM IV B	8151 Herbicides ( ) CAM V C	8330 Explosives ( ) CAM VIII A	TO-15 VOC ( ) CAM IX B
6010 Metals ( ) CAM III A	6020 Metals ( ) CAM III D	8082 PCB ( ) CAM V A	9014 Total ( ) Cyanide/PAC CAM VI A	6860 Perchlorate ( ) CAM VIII B	

Affirmative Responses to Questions A Through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

Responses to questions G, H, and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocols	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No <sup>1</sup>
<b>Data User Note:</b> Data that achieve "Presumptive Certainty" status may not necessarily meet the data useability and representativeness requirements described in 310 CMR 40.1056(2)(k) and WSC-07-350.					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No <sup>1</sup>
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No <sup>1</sup>

All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: H. Madadian Position: Laboratory Director

Printed Name: H. (Brad) Madadian Date: 12-May-17



### Internal Sample Tracking Chronicle

ATC Group Services LLC.

Job No: MC50273

95 Old Holyoke Road, Westfield, MA

Project No: 183EM00170

53  
5

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
---------------	--------	----------	----	---------	----	------------

MC50273-2 Collected: 28 APR-17 09:00 By: JB Received: 01-MAY-17 By: TF  
95 OLD HOLYOKE-1

MC50273-2 EPA 537 MOD 08-MAY-17 20:34 AFL 05-MAY-17 AFL LC537LIST

# QC Evaluation: MA MCP Limits

Job Number: MC50273  
Account: ATC Group Services LLC.  
Project: 95 Old Holyoke Road, Westfield, MA  
Collected: 04/28/17

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
--------------	------	---------	--------------------	-------------	-------	--------

No Exceptions found.

5.4  
5

---

\* Sample used for QC is not from job MC50273

**Misc. Forms**

---

**Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle



ACCUTEST

5017 Angelo Drive, 495 Technology Center West, Bldg One, Marlborough, MA 01752  
TEL: 508-481-6200 FAX: 508-461-7133  
www.sgs.com

<b>Client / Reporting Information</b> Company Name: <b>SGS Accutest</b> Street Address: <b>50 D'Angelo Drive, 495 Technology Center West, BLDG One</b> City: <b>Marlborough, MA 01752</b> Project Contact: <b>Jeremy</b> Phone #: <b>508-481-6200</b> Sample(s) Name(s): <b>JB</b>		<b>Project Information</b> Project Name: <b>95 Old Holyoke Road, Westfield, MA</b> Street: _____ Billing Information (if different from Report to): Company Name: _____ Street Address: _____ City: _____ State: _____ Zip: _____ Project #: _____ Client Purchase Order #: _____ Project Manager: _____ Attention: _____		<b>Requested Analysis (see TEST CODE sheet)</b> Matrix Codes: OW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment LI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solids WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank LAB USE ONLY																																																																																																		
<b>Collection</b> <table border="1"> <thead> <tr> <th>Field ID / Point of Collection</th> <th>VECHOR Val #</th> <th>Date</th> <th>Time</th> <th>Sampled by</th> <th>Matrix</th> <th># of bottles</th> <th>ED</th> <th>INSP</th> <th>INSD</th> <th>INSDA</th> <th>INSDM</th> <th>INSDO</th> <th>INSDP</th> <th>INSDQ</th> <th>INSDR</th> <th>INSDS</th> <th>INSDT</th> <th>INSDU</th> <th>INSDV</th> <th>INSDW</th> <th>INSDX</th> <th>INSDY</th> <th>INSDZ</th> </tr> </thead> <tbody> <tr> <td>1 95 OLD HOLYOKE FIELD BLANK</td> <td></td> <td>4/28/17</td> <td>8:55:00 AM</td> <td>JB</td> <td>AQ</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 95 OLD HOLYOKE-1</td> <td></td> <td>4/28/17</td> <td>9:00:00 AM</td> <td>JB</td> <td>AQ</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3 95 OLD HOLYOKE-2</td> <td></td> <td>4/28/17</td> <td>9:01:00 AM</td> <td>JB</td> <td>AQ</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Field ID / Point of Collection	VECHOR Val #	Date	Time	Sampled by	Matrix	# of bottles	ED	INSP	INSD	INSDA	INSDM	INSDO	INSDP	INSDQ	INSDR	INSDS	INSDT	INSDU	INSDV	INSDW	INSDX	INSDY	INSDZ	1 95 OLD HOLYOKE FIELD BLANK		4/28/17	8:55:00 AM	JB	AQ	1																			2 95 OLD HOLYOKE-1		4/28/17	9:00:00 AM	JB	AQ	1																			3 95 OLD HOLYOKE-2		4/28/17	9:01:00 AM	JB	AQ	1																			<b>Data Deliverable Information</b> <input type="checkbox"/> 5M, 10 Business Days <input type="checkbox"/> 8 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input checked="" type="checkbox"/> other Date 5/15/2017 Approved By (SGS Accutest PM): / Date: _____ <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Commercial "C" <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input checked="" type="checkbox"/> Other MAMCP Ship to ALSE -- 10 Day TAT	
Field ID / Point of Collection	VECHOR Val #	Date	Time	Sampled by	Matrix	# of bottles	ED	INSP	INSD	INSDA	INSDM	INSDO	INSDP	INSDQ	INSDR	INSDS	INSDT	INSDU	INSDV	INSDW	INSDX	INSDY	INSDZ																																																																															
1 95 OLD HOLYOKE FIELD BLANK		4/28/17	8:55:00 AM	JB	AQ	1																																																																																																
2 95 OLD HOLYOKE-1		4/28/17	9:00:00 AM	JB	AQ	1																																																																																																
3 95 OLD HOLYOKE-2		4/28/17	9:01:00 AM	JB	AQ	1																																																																																																
Turnaround Time (Business days): _____ Comments / Special Instructions: _____		Sample Custody must be documented below each time sample change possession, including courier delivery.																																																																																																				
Requisitioned by: <i>[Signature]</i> Date Tm: 5-2-17 Requisitioned by: _____ Date Time: _____ Requisitioned by: _____ Date Time: _____		Received By: <i>[Signature]</i> Date Time: _____ Received By: _____ Date Time: _____ Received By: _____ Date Time: _____		Received By: <i>[Signature]</i> Date Time: 05/03/17 Received By: _____ Date Time: _____ Received By: _____ Date Time: _____																																																																																																		
Emergency & Rush TIA data available VIA Lablink		Preserved where applicable <input type="checkbox"/> Inlet <input type="checkbox"/> Not Inlet		Cooler Temp. <b>3.0</b>																																																																																																		

61  
6

SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50273 CLIENT: ALNE PROJECT: 95 Old Holyoke Rd.  
 DATE/TIME RECEIVED: 05/03/17 930 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.4
- OBSERVED TEMPS: 2.6
- CORRECTED TEMPS: 3.0 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

SUMMARY OF COMMENTS: \_\_\_\_\_

TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE [Signature] 05-03-17

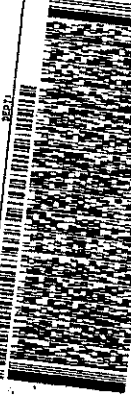
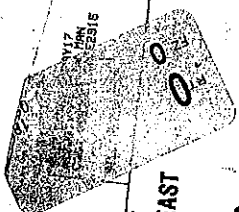
NF 02/16

receipt confirmation 020116.xls

6.1  
6

CRISTIN ID:BBFA (500) 481-8200  
SGS ACCUTEST  
200 D'ANGELLO LABORATORIES  
MARLBOROUGH CENTER H. J. BUILDING 1  
MARLBOROUGH MA 01752  
UNITED STATES OF AMERICA

TO  
**SAMPLE MANAGEMENT**  
**SGS ACCUTEST SOUTHEAST**  
**4405 VINELAND RD**  
**SUITE C-15**  
**ORLANDO FL 328115803**  
(407) 425-9700



**FedEx**  
EXPRESS  
**E**

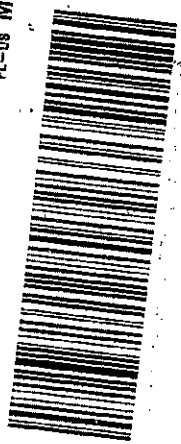
7273 7516 1831

WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

**EA ORLA**

Part # 168148-434 R72 0713

32811  
FL-US MCO



MC50273: Chain of Custody  
Page 3 of 3

### Internal Sample Tracking Chronicle

SGS Accutest New England

Job No: MC50273

ATCMAS: 95 Old Holyoke Road, Westfield, MA  
Project No: 183EM00170

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC50273-2 Collected: 28-APR-17 09:00 By: JB Received: 01-MAY-17 By: JC 95 OLD HOLYOKE-1						
MC50273-2	EPA 537 MOD	08-MAY-17 20:34	NAF	05-MAY-17	MB	LC537LIST

6.2  
6



**GC/MS Semi-volatiles****QC Data Summaries**

(SGS Accutest Southeast)

**7**

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

**Method Blank Summary**

Job Number: MC50273  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 95 Old Holyoke Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64922-MB	2Q1105.D	1	05/08/17	NAF	05/05/17	OP64922	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50273-2

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0199	0.038	ug/l	J
2991-50-6	EtFOSAA	0.0231	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	122%	61-134%
	13C2-PFDA	122%	62-128%
	d5-EtFOSAA	110%	57-135%

7.1.1  
7

# Blank Spike Summary

Job Number: MC50273  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 95 Old Holyoke Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP64922-BS	2Q1104.D	1	05/08/17	NAF	05/05/17	OP64922	S2Q31

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50273-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.165	107	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.166	108	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.160	104	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.148	96	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.124	81	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.104	68	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.0984	64	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.105	68	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.164	107	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.173	112	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.147	96	70-134
2355-31-9	MeFOSAA	0.154	0.154	100	57-128
2991-50-6	EtFOSAA	0.154	0.138	90	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	125%	61-134%
	13C2-PFDA	120%	62-128%
	d5-EtFOSAA	103%	57-135%

\* = Outside of Control Limits.

7.2.1  
7



# Semivolatiles Internal Standard Area Summary

Job Number: MC50273  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 95 Old Holyoke Road, Westfield, MA

Check Std:	S2Q31-CC29	Injection Date:	05/08/17
Lab File ID:	2Q1102.D	Injection Time:	15:38
Instrument ID:	GCMS2Q	Method:	EPA 537 MOD

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal <sup>a</sup>	69309	4.25	144240	6.71	81852	6.70	51619	7.28	28993	7.46	105323	10.91
Check Std <sup>b</sup>	72826	4.29	170039	6.75	86719	6.74	56653	7.33	32654	7.47	110223	11.26
Upper Limit <sup>c</sup>	103964	5.29	216360	7.75	122778	7.74	77429	8.33	43490	8.47	157985	12.26
Lower Limit <sup>d</sup>	34655	3.29	72120	5.75	40926	5.74	25810	6.33	14497	6.47	52662	10.26

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP64922-BS	77527	4.29	180626	6.75	91540	6.74	59846	7.31	34361	7.47	115073	11.20
OP64922-MB	73207	4.27	159475	6.75	85988	6.73	56107	7.31	33113	7.47	100042	11.25
MC50256-1	66584	4.27	148591	6.75	78624	6.74	53175	7.33	30291	7.47	99264	11.25
OP64922-MS	69913	4.27	162764	6.75	82741	6.73	54342	7.31	30261	7.47	102759	11.18
OP64922-MSD	71909	4.29	168189	6.75	83660	6.74	56148	7.33	31992	7.47	108082	11.25
ZZZZZZ	68298	4.27	168654	6.75	85597	6.73	59106	7.31	30868	7.47	109720	11.16
ZZZZZZ	73808	4.29	163869	6.75	88092	6.74	58014	7.31	33066	7.47	107232	11.19
ZZZZZZ	71610	4.29	158644	6.75	83744	6.74	56046	7.31	32043	7.47	105410	11.18

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFD<sub>o</sub>DA

- (a) Initial Cal is: S2Q29-ICC29 2Q1024.D 05/04/17 14:12. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time + 1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.3.1  
7

# Semivolatiles Internal Standard Area Summary

Job Number: MC50273  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 95 Old Holyoke Road, Westfield, MA

Check Std:	S2Q31-CC29	Injection Date:	05/08/17
Lab File ID:	2Q1112.D	Injection Time:	18:56
Instrument ID:	GCMS2Q	Method:	EPA 537 MOD

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Initial Cal <sup>a</sup>	69309	4.25	144240	6.71	81852	6.70	51619	7.28	28993	7.46	105323	10.91
Check Std <sup>b</sup>	75552	4.29	176953	6.75	90197	6.73	59252	7.31	34095	7.47	114518	11.21
Upper Limit <sup>c</sup>	103964	5.29	216360	7.75	122778	7.73	77429	8.31	43490	8.47	157985	12.21
Lower Limit <sup>d</sup>	34655	3.29	72120	5.75	40926	5.73	25810	6.31	14497	6.47	52662	10.21

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
ZZZZZZ	74741	4.29	164512	6.75	87661	6.74	58459	7.33	33742	7.47	111061	11.21
ZZZZZZ	74186	4.27	167160	6.75	88695	6.73	58044	7.31	33482	7.47	110164	11.18
ZZZZZZ	76999	4.29	172620	6.75	92133	6.74	61181	7.33	34440	7.47	117175	11.24
MC50273-2	77228	4.27	169761	6.75	91424	6.73	60463	7.31	34797	7.47	115291	11.24
ZZZZZZ	79518	4.29	177132	6.75	94052	6.74	62859	7.33	35604	7.47	118294	11.25
S2Q31-ECC29	81590	4.29	188524	6.75	94461	6.74	63505	7.33	35393	7.49	121875	11.25

- IS 1 = 13C3-PFPeA
- IS 2 = 13C2-6:2FTS
- IS 3 = 13C2-PFOA
- IS 4 = 13C4-PFOS
- IS 5 = d3-MeFOSAA
- IS 6 = 13C2-PFDoDA

- (a) Initial Cal is: S2Q29-ICC29 2Q1024.D 05/04/17 14:12. Area is AVERAGE of initial cal points.
- (b) Check Std Limit = -50 to +50% of initial cal area.
- (c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
- (d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

7.32  
7

# Semivolatile Surrogate Recovery Summary

Job Number: MC50273  
Account: ALNE SGS Accutest New England  
Project: ATCMAS: 95 Old Holyoke Road, Westfield, MA

Method: EPA 537 MOD	Matrix: AQ
---------------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50273-2	2Q1117.D	119	105	100
OP64922-BS	2Q1104.D	125	120	103
OP64922-MB	2Q1105.D	122	122	110

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 13C2-PFHxA	61-134%
S2 = 13C2-PFDA	62-128%
S3 = d5-EtFOSAA	57-135%

7.4.1

7



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

David & Gale Brown  
20 Ridge Trail Road  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Mr. & Mrs. Brown:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFC compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFC compounds were not detected above the laboratory reporting level (RL) of 16 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFC compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
20 Ridge Trail Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

ec w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc: Denise Andler, DEP WERO  
Data Entry: FOLOFF, FOLFLD





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC123

This Notice is Related to:  
Release Tracking Number

NOTICE OF ENVIRONMENTAL SAMPLING

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

B. This notice is being provided to the following party:

1. Name: David & Gale Brown  
2. Street Address: 20 Ridge Trail Road  
City/Town: Westfield Zip Code: 01085

C. This notice is being given to inform its recipient (the party listed in Section B):

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

D. Location of the property where the environmental sampling will be/has been conducted:

1. Street Address: 20 Ridge Trail Road  
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action   | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure              | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure      | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation     | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential     commercial     industrial     school/playground     Other \_\_\_\_\_
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

E. Contact information related to the party providing this notice:

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand.jr@state.ma.us



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.



**ACCUTEST**  
New England

05/19/17

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0*  
Automated Report

**Technical Report for**

**ATC Group Services LLC.**

20 Ridge Trail Road, Westfield, MA

183EM00170

SGS Accutest Job Number: MC50271

Sampling Date: 04/28/17

Report to:

andrea.colby@sgs.com

Total number of pages in report: 19



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

*H. Madadian*  
H. (Brad) Madadian  
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (AH171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

New England • 50 D'Angelo Drive • Building 1 • Marlborough, MA 01752 • tel: 508-481-6200 • fax: 508-481-7753 • <http://www.accutest.com>

SGS Accutest is the sole authority for authorizing edits or modifications to this document.  
Unauthorized modification of this report is strictly prohibited.  
Review standard terms at: <http://www.sgs.com/en/terms-and-conditions>



1 of 19  
**ACCUTEST**  
MC50271

# Table of Contents

Sections:



<b>Section 1: Sample Summary .....</b>	<b>3</b>
<b>Section 2: Case Narrative/Conformance Summary .....</b>	<b>4</b>
<b>Section 3: Summary of Hits .....</b>	<b>6</b>
<b>Section 4: Sample Results .....</b>	<b>7</b>
<b>4.1: MC50271-2: 20 RIDGE TRAIL-1 .....</b>	<b>8</b>
<b>Section 5: Misc. Forms .....</b>	<b>9</b>
<b>5.1: Chain of Custody .....</b>	<b>10</b>
<b>Section 6: Misc. Forms (SGS Accutest Southeast) .....</b>	<b>12</b>
<b>6.1: Chain of Custody .....</b>	<b>13</b>
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast) .....</b>	<b>16</b>
<b>7.1: Method Blank Summary .....</b>	<b>17</b>
<b>7.2: Blank Spike Summary .....</b>	<b>18</b>
<b>7.3: Surrogate Recovery Summaries .....</b>	<b>19</b>



### Sample Summary

ATC Group Services LLC.

Job No: MC50271

20 Ridge Trail Road, Westfield, MA  
Project No: 183EM00170

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
MC50271-2	04/28/17	09:52 JB	05/01/17	AQ Ground Water	20 RIDGE TRAIL-1

## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50271

**Site:** 20 Ridge Trail Road, Westfield, MA

**Report Date** 5/17/2017 6:46:48 PM

1 Sample was collected on 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50271. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537 MOD

<b>Matrix:</b> AQ	<b>Batch ID:</b> F:OP65024
-------------------	----------------------------

- MC50271-2: Analysis performed at SGS Accutest, Orlando FL.

Batch OP64922: MC50271-2: Confirmation run.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50271).

Wednesday, May 17, 2017

Page 1 of 1

**SGS**

4 of 19  
**ACCUTEST**  
MC50271

# Summary of Hits

Job Number: MC50271  
Account: ATC Group Services LLC.  
Project: 20 Ridge Trail Road, Westfield, MA  
Collected: 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50271-2    20 RIDGE TRAIL-1

No hits reported in this sample.

# SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: SGS Accutest New England

Job No: MC50271

Site: ATCMAS: 20 Ridge Trail Road, Westfield, MA

Report Date: 5/17/2017 6:33:15 PM

1 Sample(s) were collected on 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50271. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

## Extractables by GCMS By Method EPA 537 MOD

Matrix: AQ

Batch ID: OP64922

MC50271-2 for d5-NEtFOSAA: Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

MC50271-2 for 13C2-PFDA: Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

Sample(s) MC50271-2 have surrogates outside control limits.

MC50271-2: Confirmation run for surrogate recoveries.

MC50271-2: Confirmation run for surrogate recoveries.

Matrix: AQ

Batch ID: OP65024

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

All method blanks for this batch meet method specific criteria.

Sample(s) MC50271-2 have surrogates outside control limits.

OP65024-BS: Insufficient sample for MS/MSD.

MC50271-2 for d5-NEtFOSAA: Outside control limits.

MC50271-2 for 13C2-PFDA: Outside control limits.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date May 17, 2017

Wednesday, May 17, 2017

Page 1 of 1

**SGS**

5 of 19  
ACCUTEST  
MC50271



**Sample Results**

**Report of Analysis**

---

Report of Analysis

4.1  
4

Client Sample ID:	20 RIDGE TRAIL-1	Date Sampled:	04/28/17
Lab Sample ID:	MC50271-2	Date Received:	05/01/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 537 MOD EPA 537		
Project:	20 Ridge Trail Road, Westfield, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1259.D	1	05/15/17	AFL	05/12/17	F:OP65024	F:S2Q36
Run #2 <sup>b</sup>	2Q1115.D	1	05/08/17	AFL	05/05/17	F:OP64922	F:S2Q31
Run #3 <sup>b</sup>	2Q1133.D	1	05/09/17	AFL	05/05/17	F:OP64922	F:S2Q32

Run #	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2	130 ml	1.0 ml
Run #3	130 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.016	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.016	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.016	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.016	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.016	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.016	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.016	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.016	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.016	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.016	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.016	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.016	ug/l	
2355-31-9	MeFOSAA	ND	0.040	ug/l	
2991-50-6	EtFOSAA	ND	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C2-PFHxA	67%	87%	92%	61-134%
	13C2-PFDA	35% <sup>c</sup>	57% <sup>c</sup>	57% <sup>c</sup>	62-128%
	d5-EtFOSAA	40% <sup>c</sup>	30% <sup>c</sup>	24% <sup>c</sup>	57-135%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Confirmation run for surrogate recoveries. Analysis performed at SGS Accutest, Orlando FL.
- (c) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Misc. Forms****Custody Documents and Other Forms**

---

Includes the following where applicable:

- Chain of Custody



Misc. Forms



**Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Chain of Custody

## SGS Accutest NE Sample Receipt Summary

Job Number: MC50271

Client: ATC

Project: 20 RIDGE RD

Date / Time Received: 5/1/2017 10:35:00 AM

Delivery Method: SGS Courier

Airbill #'s:

Cooler Temps (Initial/Adjusted): #1: (3.9/3.4); #2: (3.8/3.3);

**Cooler Security**

Y or N

Y or N

- |                           |                          |                                     |                        |                                     |                          |
|---------------------------|--------------------------|-------------------------------------|------------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 4. Smp'l Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

Y or N

- |                            |                                     |                          |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Thermometer ID:         | IRGUN1;                             |                          |
| 3. Cooler media:           | Ice (Bag)                           |                          |
| 4. No. Coolers:            | 2                                   |                          |

**Quality Control Preservation**

Y or N

N/A

- |                                 |                                     |                                     |                          |
|---------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                          |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |

**Sample Integrity - Documentation**

Y or N

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

**Sample Integrity - Instructions**

Y or N

N/A

- |  |                                     |                                     |                                     |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests: | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:           | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

5.1  
5



SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50271 CLIENT: ALNE PROJECT: 20 Ridge Trail Rd.  
 DATE/TIME RECEIVED: 05/03/17 930 (MM/DD/Y 24:00) NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_  
 TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

**TEMPERATURE INFORMATION**

- IR THERM ID 1 CORR. FACTOR +0.4
- OBSERVED TEMPS: 2.6
- CORRECTED TEMPS: 3.0 (USED FOR LIMS)

**SAMPLE INFORMATION**

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

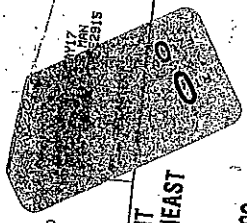
SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE jc 05-03-17  
 NF 02/16 receipt confirmation 020116.xls

6.1  
6



ORIGINATOR NUMBER (508) 481-8200  
SAMPLE NUMBER 1501  
SGS ACCUTEST  
435 FENWICK DRIVE  
PARLBOURGH CENTER #1, BUILDING 1  
UNITED STATES US 01792



TO  
SAMPLE MANAGEMENT  
SGS ACCUTEST SOUTHEAST  
4405 VINELAND RD  
SUITE C-15  
ORLANDO FL 328115803  
(407) 425-8700

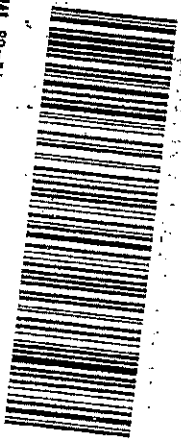


WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

TEKA 7273 7516 1831

EA ORLA

32811  
FL-US MCO



FedEx 150148-434 RIT2 0713 \*\*

**GC/MS Semi-volatiles****QC Data Summaries**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

**7**

# Method Blank Summary

Job Number: MC50271  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 20 Ridge Trail Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-MB	2Q1258.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50271-2

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0191	0.038	ug/l	J
2991-50-6	EtFOSAA	0.0222	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	66%	61-134%
	13C2-PFDA	92%	62-128%
	d5-EtFOSAA	77%	57-135%

7.1.1



# Blank Spike Summary

Job Number: MC50271  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 20 Ridge Trail Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-BS <sup>a</sup>	2Q1257.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50271-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.146	95	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.156	101	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.161	105	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.157	102	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.154	100	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.119	77	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.108	70	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.109	71	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.184	120	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.204	133	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.172	112	70-134
2355-31-9	MeFOSAA	0.154	0.160	104	57-128
2991-50-6	EtFOSAA	0.154	0.137	89	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	88%	61-134%
	13C2-PFDA	104%	62-128%
	d5-EtFOSAA	95%	57-135%

(a) Insufficient sample for MS/MSD.

\* = Outside of Control Limits.

7.2.1  
7

# Semivolatile Surrogate Recovery Summary

Job Number: MC50271  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 20 Ridge Trail Road, Westfield, MA

Method: EPA 537 MOD	Matrix: AQ
---------------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50271-2	2Q1133.D	92	57* a	24* a
MC50271-2	2Q1115.D	87	57* a	30* a
MC50271-2	2Q1259.D	67	35* a	40* a
OP65024-BS	2Q1257.D	88	104	95
OP65024-MB	2Q1258.D	66	92	77

Surrogate Compounds                      Recovery Limits

S1 = 13C2-PFHxA	61-134%
S2 = 13C2-PFDA	62-128%
S3 = d5-EtFOSAA	57-135%

(a) Outside control limits due to matrix interference. Confirmed by re-extraction and reanalysis.

7.3.1  
7



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

## Department of Environmental Protection

Western Regional Office • 436 Dwight Street, Springfield MA 01103 • 413-784-1100

Charles D. Baker  
Governor

Karyn E. Polito  
Lieutenant Governor

Matthew A. Beaton  
Secretary

Martin Suuberg  
Commissioner

May 23, 2017

Michael & Lisa Pigetti  
1850 East Mountain Road  
Westfield, MA 01085

Re: Notice of Environmental Sampling  
Westfield Private Well Sampling  
Barnes Air National Guard Base  
Westfield, RTN 1-20093

Dear Mr. & Mrs. Pigetti:

The Department of Environmental Protection collected a drinking water sample from your private well on April 28, 2017. The purpose of the sampling was to investigate whether your well has been affected by a release of perfluorinated compounds (PFCs) to local groundwater. The sample was sent to a certified laboratory and analyzed for PFCs compounds by modified United States Protection Agency (EPA) Method 317.1. **The sampling results indicate PFC compounds were not detected above the laboratory reporting level (RL) of 15 parts per trillion (ppt).** The EPA Health Advisory Level is 70 ppt. This health advisory level offers a margin of protection for all Americans throughout their life from adverse health effects resulting from exposure to PFCs in drinking water.<sup>1</sup> Based on the absence of detectable PFCs compounds in the sample collected from your well, no further action, including additional sampling and/or mitigation measures (i.e. bottled water) are required at this time. The Department thanks you for granting access to your property.

If you have any questions pertaining to this Notice of Environmental Sampling or with the information contained within, please feel free to contact David Bachand at (413) 755-2221 or Cynthia Pawloski at (413) 755-2247.

Sincerely,

Eva Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

<sup>1</sup> Fact Sheet PFOA & PFOS Drinking Water Health Advisories. EPA, EPA 800 F-16-003, June 2016

Notice of Environmental Sampling  
1749 East Mountain Road  
Westfield, RTN 1-20093  
May 23, 2017  
Page 2 of 2

Attachments: Notice of Environmental Sampling (BWSC-123)  
Laboratory Report

ec w/all NOES Letters and Lab Reports:  
Mayor, City of Westfield  
Barnes ANG-John Richardson  
Barnes Aquifer Protection Committee  
Westfield DPW – David Billips  
Westfield Health Department  
Dr. Marc A. Nascarella, Ph.D/DPH

cc: Denise Andler, DEP WERO  
Data Entry: FOLOFF, FOLFLD



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC123**

This Notice is Related to:  
Release Tracking Number

**NOTICE OF ENVIRONMENTAL SAMPLING**

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

1 - 20093

**A. The address of the disposal site related to this Notice and Release Tracking Number (provided above):**

1. Street Address: 175 Falcon Drive  
City/Town: Westfield Zip Code: 01085

**B. This notice is being provided to the following party:**

1. Name: Michael & Lisa Pighetti  
2. Street Address: 1850 East Mountain Road  
City/Town: Westfield Zip Code: 01085

**C. This notice is being given to inform its recipient (the party listed in Section B):**

- 1. That environmental sampling will be/has been conducted at property owned by the recipient of this notice.
- 2. Of the results of environmental sampling conducted at property owned by the recipient of this notice.
- 3. Check to indicate if the analytical results are attached. (If item 2. above is checked, the analytical results from the environmental sampling must be attached to this notice.)

**D. Location of the property where the environmental sampling will be/has been conducted:**

1. Street Address: 1850 East Mountain Road  
City/Town: Westfield Zip Code: 01085

2. MCP phase of work during which the sampling will be/has been conducted:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Immediate Response Action   | <input type="checkbox"/> Phase III Feasibility Evaluation                              |
| <input type="checkbox"/> Release Abatement Measure              | <input type="checkbox"/> Phase IV Remedy Implementation Plan                           |
| <input type="checkbox"/> Utility-related Abatement Measure      | <input type="checkbox"/> Phase V/Remedy Operation Status                               |
| <input type="checkbox"/> Phase I Initial Site Investigation     | <input type="checkbox"/> Post-Temporary Solution Operation, Maintenance and Monitoring |
| <input type="checkbox"/> Phase II Comprehensive Site Assessment | <input type="checkbox"/> Other _____   |
- (specify)

3. Description of property where sampling will be/has been conducted:

- residential     commercial     industrial     school/playground     Other \_\_\_\_\_
- (specify)

4. Description of the sampling locations and types (e.g., soil, groundwater, indoor air, soil gas) to the extent known at the time of this notice.

A drinking water sample was collected from the private well located on the above-referenced property and analyzed for PFAS compounds via EPA Method 537.1.

**E. Contact information related to the party providing this notice:**

Contact Name: Department of Environmental Protection  
Street Address: 436 Dwight Street  
City/Town: Springfield Zip Code: 01103  
Telephone: (413) 755-2221 Email: David.bachand.jr@state.ma.us





**NOTICE OF ENVIRONMENTAL SAMPLING**

1 - 20093

As required by 310 CMR 40.1403(10) of the Massachusetts Contingency Plan

MASSACHUSETTS REGULATIONS THAT REQUIRE THIS NOTICE

This notice is being provided pursuant to the Massachusetts Contingency Plan and the notification requirement at 310 CMR 40.1403(10). The Massachusetts Contingency Plan is a state regulation that specifies requirements for parties who are taking actions to address releases of chemicals (oil or hazardous material) to the environment.

THE PERSON(S) PROVIDING THIS NOTICE

This notice has been sent to you by the party who is addressing a release of oil or hazardous material to the environment at the location listed in **Section A** on the reverse side of this form. (The regulations refer to the area where the oil or hazardous material is present as the "disposal site".)

PURPOSE OF THIS NOTICE

When environmental samples are taken as part of an investigation of a release for which a notification to MassDEP has been made under the Massachusetts Contingency Plan (310 CMR 40.0300) on behalf of someone other than the owner of the property, the regulations require that the property owner (listed in **Section B** on the reverse side of this form) be given notice of the environmental sampling. The regulations also require that the property owner subsequently receive the analytical results following the analysis of the environmental samples.

**Section C** on the reverse side of this form indicates the circumstance under which you are receiving this notice at this time. If you are receiving this notice to inform you of the analytical results following the analysis of the environmental samples, you should also have received, as an attachment, a copy of analytical results. These results should indicate the number and type(s) of samples (e.g., soil, groundwater) analyzed, any chemicals identified, and the measured concentrations of those chemicals.

**Section D** on the reverse side of this form identifies the property where the environmental sampling will be/has been conducted, provides a description of the sampling locations within the property, and indicates the phase of work under the Massachusetts Contingency Plan regulatory process during which the samples will be/were collected.

FOR MORE INFORMATION

Information about the general process for addressing releases of oil or hazardous material under the Massachusetts Contingency Plan and related public involvement opportunities may be found at <http://www.mass.gov/eea/agencies/massdep/cleanup>. For more information regarding this notice, you may contact the party listed in **Section E** on the reverse side of this form. Information about the disposal site identified in Section A is also available in files at the Massachusetts Department of Environmental Protection. See <http://public.dep.state.ma.us/SearchableSites2/Search.aspx> to view site-specific files on-line or <http://mass.gov/eea/agencies/massdep/about/contacts/conduct-a-file-review.html> if you would like to make an appointment to see these files in person. Please reference the **Release Tracking Number** listed in the upper right hand corner on the reverse side of this form when making file review appointments.

**Technical Report for****ATC Group Services LLC.**

1850 East Mountain Road, Westfield, MA

183EM00170

SGS Accutest Job Number: MC50275

Sampling Date: 04/28/17

**Report to:**ATC Group Services LLC.  
73 Williams Franks Drive  
West Springfield, MA 01089  
rob.smith@atcassociates.com

ATTN: Rob Smith

Total number of pages in report: 19

Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.  
H. (Brad) Madadian  
Lab Director

Client Service contact: Jeremy Vienneau 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579)  
NJ (MA926) PA (6801121) LA (A1171119) ND (R-188) NC (653) IL (002337) WI (399080220)  
DoD ELAP (L-A-B L2235)This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

# Table of Contents

Sections:



<b>Section 1: Sample Summary</b> .....	3
<b>Section 2: Case Narrative/Conformance Summary</b> .....	4
<b>Section 3: Summary of Hits</b> .....	6
<b>Section 4: Sample Results</b> .....	7
4.1: MC50275-2: 1850 EAST MT-1 .....	8
<b>Section 5: Misc. Forms</b> .....	9
5.1: Chain of Custody .....	10
<b>Section 6: Misc. Forms (SGS Accutest Southeast)</b> .....	12
6.1: Chain of Custody .....	13
<b>Section 7: GC/MS Semi-volatiles - QC Data (SGS Accutest Southeast)</b> .....	16
7.1: Method Blank Summary .....	17
7.2: Blank Spike Summary .....	18
7.3: Surrogate Recovery Summaries .....	19



### Sample Summary

ATC Group Services LLC.

Job No: MC50275

1850 East Mountain Road, Westfield, MA  
Project No: 183EM00170

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC50275-2	04/28/17	13:25	JB	05/01/17	DW Drinking Water	1850 EAST MT-1

## SAMPLE DELIVERY GROUP CASE NARRATIVE

2

**Client:** ATC Group Services LLC.

**Job No** MC50275

**Site:** 1850 East Mountain Road, Westfield, MA

**Report Date** 5/17/2017 6:37:11 PM

1 Sample(s) was collected on 04/28/2017 and were received at SGS Accutest New England on 05/01/2017 properly preserved, at 3.4 Deg. C and intact. These Samples received a job number of MC50275. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537

<b>Matrix:</b> DW	<b>Batch ID:</b> F:OP65024
-------------------	----------------------------

- MC50275-2: Analysis performed at SGS Accutest, Orlando FL.

Batch OP64924: MC50275-2: Confirmation run.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC50275).

Wednesday, May 17, 2017

Page 1 of 1

**SGS**

4 of 19  
**ACCUTEST**  
MC50275

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Accutest New England

**Job No:** MC50275

**Site:** ATCMAS: 1850 East Mountain Road, Westfield, MA

**Report Date:** 5/17/2017 5:36:35 PM

1 Sample(s) were collected on 04/28/2017 and were received at SGS Accutest Southeast (SASE) on 05/03/2017 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of MC50275. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Extractables by GCMS By Method EPA 537

**Matrix:** DW

**Batch ID:** OP64924

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

MC50275-2 for 13C2-PFHxA: Associated BS recovery outside control limits. Outside control limits. However, sample was ND.

MC50275-2 for 13C2-PFHxA: Associated BS recovery outside control limits.

MC50275-2: Confirmation run.

MC50275-2: Confirmation run.

**Matrix:** DW

**Batch ID:** OP65024

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) MC50275-2 have surrogates outside control limits. Probable cause is due to matrix interference.

MC50275-2 for d5-NEtFOSAA: Outside control limits.

MC50275-2 for 13C2-PFHxA: Outside control limits.

MC50275-2 for 13C2-PFDA: Outside control limits.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date May 17, 2017

Kim Benham, Client Services (signature on file)

# Summary of Hits

Job Number: MC50275  
Account: ATC Group Services LLC.  
Project: 1850 East Mountain Road, Westfield, MA  
Collected: 04/28/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

MC50275-2      1850 EAST MT-1

No hits reported in this sample.

**Sample Results**

---

**Report of Analysis**

---



### Report of Analysis

Client Sample ID:	1850 EAST MT-1	Date Sampled:	04/28/17
Lab Sample ID:	MC50275-2	Date Received:	05/01/17
Matrix:	DW - Drinking Water	Percent Solids:	n/a
Method:	EPA 537 EPA 537		
Project:	1850 East Mountain Road, Westfield, MA		

4.1  
4

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	2Q1261.D	1	05/15/17	AFL	05/12/17	F:OP65024	F:S2Q36
Run #2 <sup>b</sup>	2Q1096.D	1	05/08/17	AFL	05/05/17	F:OP64924	F:S2Q31
Run #3 <sup>b</sup>	2Q1128.D	1	05/09/17	AFL	05/05/17	F:OP64924	F:S2Q32

Run #	Initial Volume	Final Volume
Run #1	130 ml	1.0 ml
Run #2	130 ml	1.0 ml
Run #3	130 ml	1.0 ml

Perfluorinated Alkyl Acids

CAS No.	Compound	Result	MCL	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND		0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND		0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND		0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND		0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND		0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND		0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND		0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND		0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND		0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND		0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND		0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND		0.015	ug/l	
2355-31-9	MeFOSAA	ND		0.038	ug/l	
2991-50-6	EtFOSAA	ND		0.038	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
	13C2-PFHxA	55% <sup>d</sup>	122% <sup>e</sup>	132% <sup>c</sup>	70-130%
	13C2-PFDA	63% <sup>d</sup>	96%	93%	70-130%
	d5-EtFOSAA	59% <sup>d</sup>	108%	105%	70-130%

- (a) Analysis performed at SGS Accutest, Orlando FL.
- (b) Confirmation run. Analysis performed at SGS Accutest, Orlando FL.
- (c) Associated BS recovery outside control limits. Outside control limits. However, sample was ND.
- (d) Outside control limits.
- (e) Associated BS recovery outside control limits.

ND = Not detected  
MCL = Maximum Contamination Level (40 CFR 141)  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

**Misc. Forms**

---

**Custody Documents and Other Forms**

---

Includes the following where applicable:

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL: 508-481-6200 FAX: 508-481-7783
www.accutest.com

PREM PAGE 1 OF 1

PED-EX Tracking #
Boths Order Control #
SGS Account Date #
SGS Account Job # MC50275

Client/Reporting Information, Project Information, Billing Information, Matrix Codes, Collection table with columns for Date, Time, Sample #, Matrix, # of bottles, and various test parameters.

Vertical handwritten note: IFA method 537 modified TOTAL AS FOR Hardness, TIC

5.1 5

Date Deliverable Information, Comments / Special Instructions, Turnaround Time (Business days), Commercial "A" (Level 1), Commercial "B" (Level 2), FULLT1 (Level 3+4), CT RCP, MA MCP, NYASP Category A, NYASP Category B, State Forms, EDD Format, Other.

Sample Custody must be documented below each time samples change possession, including courier delivery. Includes fields for Requisitioned by, Date Time, Received By, Date Time, Requisitioned By, Date Time, Received By, Date Time, and Cooler Temp.

## SGS Accutest NE Sample Receipt Summary

Job Number: MC50275

Client: ATC

Project: 1850 EAST MOUNTAIN RD

Date / Time Received: 5/1/2017 5:35:00 PM

Delivery Method: SGS COURIER

Airbill #'s:

Cooler Temps (Initial/Adjusted): #1: (3.9/3.4); #2: (3.8/3.3);

**Cooler Security**

	<u>Y or N</u>			<u>Y or N</u>	
1. Custody Seals Present:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Cooler Temperature**

	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Thermometer ID:	IRGUN1;	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	2	

**Quality Control Preservation**

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

**Sample Integrity - Documentation**

	<u>Y or N</u>	
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Sample Integrity - Condition**

	<u>Y or N</u>	
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	Intact	

**Sample Integrity - Instructions**

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

5.1  
5

MC50275: Chain of Custody

Page 2 of 2



**Misc. Forms**

---

**Custody Documents and Other Forms**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Chain of Custody



SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: MC50275 CLIENT: ALNE PROJECT: 1850 East Mountain Rd.  
 DATE/TIME RECEIVED: 05/03/17 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1  
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: \_\_\_\_\_  
 AIRBILL NUMBERS: 7273 7516 1831

**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

**TRIP BLANK INFORMATION**

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

**MISC. INFORMATION**

NUMBER OF ENCORES ? 25-GRAM \_\_\_\_\_ 5-GRAM \_\_\_\_\_  
 NUMBER OF 5035 FIELD KITS ? \_\_\_\_\_  
 NUMBER OF LAB FILTERED METALS ? \_\_\_\_\_

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) \_\_\_\_\_

SUMMARY OF COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**TEMPERATURE INFORMATION**

- IR THERM ID 1 CORR. FACTOR +0.4
- OBSERVED TEMPS: 2.6
- CORRECTED TEMPS: 3.0 (USED FOR LIMS)

**SAMPLE INFORMATION**

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# \_\_\_\_\_

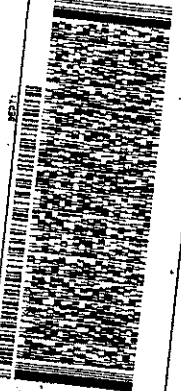
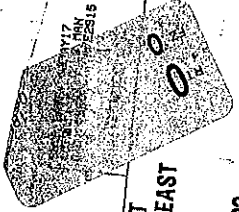
(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE [Signature] 05/03/17 REVIEWER SIGNATURE/DATE [Signature] 05-03-17  
 NF 02/16 receipt confirmation 020116.xls

61  
6

CRISTIN ID: 18284 (508) 481-8200  
8800 LE FORBES (508) 481-8200  
50 D. ACCUTEST LABORATORIES  
455 TECH CENTER DR  
LEWISBOROUGH, PA 17842  
UNITED STATES OF AMERICA

TO  
SAMPLE MANAGEMENT  
SGS ACCUTEST SOUTHEAST  
4405 VINELAND RD  
SUITE C-15  
ORLANDO FL 328115803  
(407) 425-0700

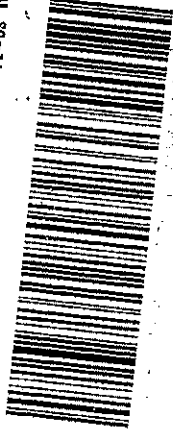


FedEx  
Express  
**E**

WED - 03 MAY 3:00P  
STANDARD OVERNIGHT

**EA ORLA**

32811  
FL-US MCO



7273 7516 1831

MC50275: Chain of Custody  
Page 3 of 3



15 of 19  
ACCUTEST  
MC50275



**GC/MS Semi-volatiles**

---

**QC Data Summaries**

(SGS Accutest Southeast)

---

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

# Method Blank Summary

Job Number: MC50275  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1850 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-MB	2Q1258.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50275-2

CAS No.	Compound	Result	RL	Units	Q
307-24-4	Perfluorohexanoic acid	ND	0.015	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.015	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.015	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.015	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.015	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.015	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.015	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.015	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.015	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.015	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.015	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.015	ug/l	
2355-31-9	MeFOSAA	0.0191	0.038	ug/l	J
2991-50-6	EiFOSAA	0.0222	0.038	ug/l	J

CAS No.	Surrogate Recoveries	Limits	
	13C2-PFHxA	66%	61-134%
	13C2-PFDA	92%	62-128%
	d5-EiFOSAA	77%	57-135%

7.1.1  
7

# Blank Spike Summary

Job Number: MC50275  
 Account: ALNE SGS Accutest New England  
 Project: ATCMAS: 1850 East Mountain Road, Westfield, MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP65024-BS <sup>a</sup>	2Q1257.D	1	05/15/17	NAF	05/12/17	OP65024	S2Q36

The QC reported here applies to the following samples:

Method: EPA 537 MOD

MC50275-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
307-24-4	Perfluorohexanoic acid	0.154	0.146	95	63-146
375-85-9	Perfluoroheptanoic acid	0.154	0.156	101	71-138
335-67-1	Perfluorooctanoic acid	0.154	0.161	105	74-137
375-95-1	Perfluorononanoic acid	0.154	0.161	105	76-140
335-76-2	Perfluorodecanoic acid	0.154	0.157	102	65-148
2058-94-8	Perfluoroundecanoic acid	0.154	0.154	100	57-138
307-55-1	Perfluorododecanoic acid	0.154	0.119	77	58-118
72629-94-8	Perfluorotridecanoic acid	0.154	0.108	70	52-120
376-06-7	Perfluorotetradecanoic acid	0.154	0.109	71	49-122
375-73-5	Perfluorobutanesulfonic acid	0.154	0.184	120	73-148
355-46-4	Perfluorohexanesulfonic acid	0.154	0.204	133	74-142
1763-23-1	Perfluorooctanesulfonic acid	0.154	0.172	112	70-134
2355-31-9	MeFOSAA	0.154	0.160	104	57-128
2991-50-6	EtFOSAA	0.154	0.137	89	55-135

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	88%	61-134%
	13C2-PFDA	104%	62-128%
	d5-EtFOSAA	95%	57-135%

(a) Insufficient sample for MS/MSD.

\* = Outside of Control Limits.

7.2.1  
7

# Semivolatile Surrogate Recovery Summary

Job Number: MC50275  
Account: ALNE SGS Accutest New England  
Project: ATCMAS: 1850 East Mountain Road, Westfield, MA

Method: EPA 537 Matrix: DW

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
MC50275-2	2Q1128.D	132* <sup>a</sup>	93	105
MC50275-2	2Q1096.D	122 <sup>b</sup>	96	108
MC50275-2	2Q1261.D	55* <sup>c</sup>	63* <sup>c</sup>	59* <sup>c</sup>

Surrogate Compounds Recovery Limits

S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%
S3 = d5-EtFOSAA	70-130%

- (a) Associated BS recovery outside control limits. Outside control limits. However, sample was ND.
- (b) Associated BS recovery outside control limits.
- (c) Outside control limits.

7.3.1

7