

## LABORATORY REPORT

This report contains   5   pages.  
(including the cover page)

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

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## Laboratory Report

Client: Village of Hoosick Falls  
  
Attn: Jim Hurlburt  
240 Main Street  
Hoosick Falls, NY 12090

Report: 326785  
Priority: Standard Written  
Status: Final  
PWS ID: Not Supplied  
Lab ELAP #: 11398

Copies  
to: None

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3116530	Well #3	537	10/02/14 08:35	Client	10/03/14 10:45
3116531	Well #6	537	10/02/14 08:52	Client	10/03/14 10:45
3116532	Well #7	537	10/02/14 08:25	Client	10/03/14 10:45

### Report Summary

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

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

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\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

Client Name: Village of Hoosick Falls  
Report #: 326785

Sampling Point: Well #3

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	90	< 90	ng/L	10/08/14 07:40	10/09/14 09:02	3116530
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	10	< 10	ng/L	10/08/14 07:40	10/09/14 09:02	3116530
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	30	< 30	ng/L	10/08/14 07:40	10/09/14 09:02	3116530
375-95-1	Perfluorononanoic acid (PFNA)	537	---	20	< 20	ng/L	10/08/14 07:40	10/09/14 09:02	3116530
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	40	< 40	ng/L	10/08/14 07:40	10/09/14 09:02	3116530
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	20	<b>230</b>	ng/L	10/08/14 07:40	10/09/14 09:02	3116530

Sampling Point: Well #6

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	90	< 90	ng/L	10/08/14 07:40	10/09/14 09:33	3116531
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	10	< 10	ng/L	10/08/14 07:40	10/09/14 09:33	3116531
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	30	< 30	ng/L	10/08/14 07:40	10/09/14 09:33	3116531
375-95-1	Perfluorononanoic acid (PFNA)	537	---	20	< 20	ng/L	10/08/14 07:40	10/09/14 09:33	3116531
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	40	< 40	ng/L	10/08/14 07:40	10/09/14 09:33	3116531
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	20	<b>280</b>	ng/L	10/08/14 07:40	10/09/14 09:33	3116531

Sampling Point: Well #7

PWS ID: Not Supplied

EEA Methods									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
375-73-5	Perfluorobutanesulfonic acid (PFBS)	537	---	90	< 90	ng/L	10/08/14 07:40	10/09/14 10:04	3116532
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	10	<b>10</b>	ng/L	10/08/14 07:40	10/09/14 10:04	3116532
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	30	< 30	ng/L	10/08/14 07:40	10/09/14 10:04	3116532
375-95-1	Perfluorononanoic acid (PFNA)	537	---	20	< 20	ng/L	10/08/14 07:40	10/09/14 10:04	3116532
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	40	< 40	ng/L	10/08/14 07:40	10/09/14 10:04	3116532
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	20	<b>540</b>	ng/L	10/08/14 07:40	10/09/14 13:41	3116532

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

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

## Lab Definitions

**Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC)** - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis.

**Internal Standards (IS)** - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

**Laboratory Duplicate (LD)** - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

**Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS)** - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control.

**Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB)** - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

**Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB)** - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

**Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD)** - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix.

**Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM)** - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results.

**Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV)** - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

**Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS)** - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

**Surrogate Standard (SS) / Surrogate Analyte (SUR)** - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.



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Order # 261073  
 Batch # 326785

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CHAIN OF CUSTODY RECORD

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Shaded area for EEA use only

REPORT TO:		SAMPLE# (Signature)		PWS ID #	STATE (sample origin)	PROJECT NAME	PO#	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
BILL TO:		COMPLIANCE MONITORING		POPULATION SERVED	SOURCE WATER					
LAB Number	COLLECTION				SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED		
	DATE	TIME	AM	PM				YES	NO	
1	3116.53D	10/2/14	8:35	X	Well #3	537	01-A		X	
2	531	10/2/14	8:52	X	Well #6	↓	↓		X	
3	532	10/2/14	8:25	X	Well #7					X
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME	LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT LAB COMMENTS
<i>[Signature]</i>	10/2/14	AM	<i>[Signature]</i>		AM	
		PM			PM	
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME	CONDITIONS UPON RECEIPT (check one): <input checked="" type="checkbox"/> Ice: Wet/Blue <input type="checkbox"/> Ambient <u>0.8</u> °C Upon Receipt <input type="checkbox"/> N/A
		AM	<i>[Signature]</i>	10-3-14	AM	
		PM			PM	

<b>MATRIX CODES:</b> OW-DRINKING WATER RW-REAGENT WATER GW-GROUND WATER EW-EXPOSURE WATER SW-SURFACE WATER PW-POOL WATER WW-WASTE WATER	<b>TURN-AROUND TIME (TAT) - SURCHARGES</b> SW = Standard Written: (15 working days) 0% RV* = Rush Verbal: (5 working days) 50% RW* = Rush Written: (5 working days) 75% * Please call, expedited service not available for all testing	IV* = Immediate Verbal: (3 working days) 100% IW* = Immediate Written: (3 working days) 125% SP* = Weekend, Holiday CALL STAT* = Less than 48 hours CALL	Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.
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06-LO-FD435 Issue 4.0 Effective Date: 2014-05-01

Sample analysis will be provided according to the standard EEA Water Services Terms, which are available upon request. Any other terms proposed by Customer are deemed material alterations and are rejected unless expressly agree to in writing by EEA.