

LABORATORY REPORT

This report contains 6 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

Report: 328480

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

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
3133280	Water Plant Finished Water	537	11/04/14 08:45	Client	11/05/14 09:45
3133281	Well #7 Raw Water	537	11/04/14 09:05	Client	11/05/14 09:45
3133282	Well #3 Raw Water	537	11/04/14 09:40	Client	11/05/14 09:45
3133283	Well #6 Raw Water	537	11/04/14 10:10	Client	11/05/14 09:45

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 #: 328480

Client Name: Village of Hoosick Falls

Report #: 328480

Sampling Point: Water Plant Finished Water

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	11/10/14 07:30	11/11/14 04:19	3133280
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	10	10	ng/L	11/10/14 07:30	11/11/14 04:19	3133280
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	30	< 30	ng/L	11/10/14 07:30	11/11/14 04:19	3133280
375-95-1	Perfluorononanoic acid (PFNA)	537	---	20	< 20	ng/L	11/10/14 07:30	11/11/14 04:19	3133280
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	40	< 40	ng/L	11/10/14 07:30	11/11/14 04:19	3133280
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	20	440	ng/L	11/10/14 07:30	11/11/14 14:06	3133280

Sampling Point: Well #7 Raw Water

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	11/10/14 07:30	11/11/14 04:50	3133281
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	10	10	ng/L	11/10/14 07:30	11/11/14 04:50	3133281
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	30	< 30	ng/L	11/10/14 07:30	11/11/14 04:50	3133281
375-95-1	Perfluorononanoic acid (PFNA)	537	---	20	< 20	ng/L	11/10/14 07:30	11/11/14 04:50	3133281
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	40	< 40	ng/L	11/10/14 07:30	11/11/14 04:50	3133281
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	20	450	ng/L	11/10/14 07:30	11/11/14 14:37	3133281

Sampling Point: Well #3 Raw Water

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	11/10/14 07:30	11/11/14 05:20	3133282
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	10	< 10	ng/L	11/10/14 07:30	11/11/14 05:20	3133282
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	30	< 30	ng/L	11/10/14 07:30	11/11/14 05:20	3133282
375-95-1	Perfluorononanoic acid (PFNA)	537	---	20	< 20	ng/L	11/10/14 07:30	11/11/14 05:20	3133282
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	40	< 40	ng/L	11/10/14 07:30	11/11/14 05:20	3133282
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	20	170	ng/L	11/10/14 07:30	11/11/14 05:20	3133282

Client Name: Village of Hoosick Falls

Report #: 328480

Sampling Point: Well #6 Raw Water

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	11/10/14 07:30	11/11/14 05:51	3133283
375-85-9	Perfluoroheptanoic acid (PFHpA)	537	---	10	< 10	ng/L	11/10/14 07:30	11/11/14 05:51	3133283
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	537	---	30	< 30	ng/L	11/10/14 07:30	11/11/14 05:51	3133283
375-95-1	Perfluorononanoic acid (PFNA)	537	---	20	< 20	ng/L	11/10/14 07:30	11/11/14 05:51	3133283
1763-23-1	Perfluorooctane sulfonate (PFOS)	537	---	40	< 40	ng/L	11/10/14 07:30	11/11/14 05:51	3133283
335-67-1	Perfluorooctanoic acid (PFOA)	537	---	20	280	ng/L	11/10/14 07:30	11/11/14 05:51	3133283

† 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.



Eaton Analytical

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Order # 263498
Batch # 328480

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CHAIN OF CUSTODY RECORD

Page 1 of 1

REPORT TO:				SAMPLER (Signature)		PWS ID #	STATE (sample origin)	PROJECT NAME	PO#	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
Village of Hoosick Falls Water Dept.				COMPLIANCE MONITORING		POPULATION SERVED	SOURCE WATER					
LAB Number	COLLECTION			SAMPLING SITE		TEST NAME	SAMPLE REMARKS	CHLORINATED				
	DATE	TIME	AM	PM	YES			NO				
1		11/14/14	0845	X		WATER PLANT FINISHED WATER	537	CEA	X			
2	3133, 280	11/14/14	0845	X		WATER PLANT FINISHED WATER	55	1P514	X			
3		11/14/14	0845	Y		WATER PLANT FINISHED WATER			X			
4	281	11/14/14	0905	Y		Well #7 RAW WATER				X		
5		11/14/14	0905	Y		Well #7 RAW WATER				X		
6		11/14/14	0905	X		Well #7 RAW WATER				X		
7	282	11/14/14	0940	X		Well #3 RAW WATER				X		
8		11/14/14	0940	X		Well #3 RAW WATER				X		
9		11/14/14	0940	X		Well #3 RAW WATER				X		
10	283	11/14/14	1010	X		Well #6 RAW WATER				X		
11		11/14/14	1010	X		Well #6 RAW WATER				X		
12		11/14/14	1010	X		Well #6 RAW WATER				X		
13												
14												

Mailed COC was not signed at "Relinquished by" by Client

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
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME	
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME	

CONDITIONS UPON RECEIPT (check one):
 Iced: W/Blue Ambient 0.4 °C Upon Receipt N/A

MATRIX CODES: DW-DRINKING WATER RW-REAGENT WATER GW-GROUND WATER EW-EXPOSURE WATER SW-SURFACE WATER PW-PPOOL WATER WW-WASTE WATER	TURN-AROUND TIME (TAT) - SURCHARGES SW = Standard Written: (15 working days) 90% RV* = Rush Verbal: (5 working days) 50% RW* = Rush Written: (5 working days) 75%	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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* Please call, expedited service not available for all testing

06-LO-F0435 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.