

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

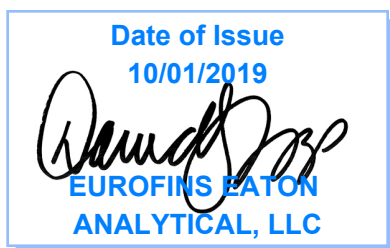


AT-1807

Laboratory Report

for

Niagara Bottling, LLC
54 Hampdem Rd.
Somers, CT 06071
Attention: Kerry Gavlak



UTAH ELCP CA00006

DST: David S Tripp
Project Manager

Report:825794
Project:HILLSIDE-SPRING-FARM-CT
Group:PFCs

* Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.

* Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.

* Following the cover page are State Certification List, ISO/IEC 17025:2017 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.

* Test results relate only to the sample(s) tested.

* Test results apply to the sample(s) as received, unless EEA-M collected and analyzed the sample(s) as noted in the COC and final report.

* This report shall not be reproduced except in full, without the written approval of the laboratory.

* This report includes ISO/IEC 17025:2017 and non-ISO/IEC 17025:2017 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	Certified
Arkansas	Certified	Nevada	CA000062018
California	2813	New Hampshire *	2959
Colorado	Certified	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	Certified
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	18-005R	Oregon *	CA200003-005
Hawaii	Certified	Pennsylvania *	68-565
Idaho	Certified	Puerto Rico	Certified
Illinois *	200033	Rhode Island	LAO00326
Indiana	C-CA-01	South Carolina	87016
Iowa - Asbestos	413	South Dakota	Certified
Kansas *	E-10268	Tennessee	TN02839
Kentucky	90107	Texas *	T104704230-18-15
Louisiana *	LA180000	Utah (Primary AB) *	CA00006
Maine	CA0006	Vermont	VT0114
Maryland	224	Virginia *	460260
Commonwealth of Northern Marianas Is.	MP0004	Washington	C838
Massachusetts	M-CA006	EPA Region 5	Certified
Michigan	9906	Los Angeles County Sanitation Districts	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.
Refer to Certificate and scope of accreditation (AT 1807) found at: <https://www.eurofinsus.com/Eaton>

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,2,3-TCP (5 PPT & 0.5 PPT)	CA SRL 524M-TCP	x		x
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Algal Toxins/Microcystin	In House Method (3570)			
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D Palin Test	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x		x
Glyphosate + AMPA	In House Method (3618)	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	Legiolert	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
Microcystin, Total	EPA 546	x		x
NDMA	EPA 521 In house method (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphorous	SM 4500P E	x		x
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
Perfluorinated Pollutant	In house Method (2434)	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-S ⁻ D		x	
Sulfite	SM 4500-SO ³ B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x
Field Sampling	N/A			

Acknowledgement of Samples Received

Addr: **Niagara Bottling, LLC**
54 Hampdem Rd.
Somers, CT 06071

Client ID: NIAGARA

Folder #: 825794

Project: HILLSIDE-SPRING-FARM-CT

Sample Group: PFCs

Attn: Kerry Gavlak
Phone:

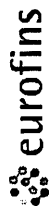
Project Manager: David S Tripp
Phone: (626) 386-1158

The following samples were received from you on **September 06, 2019** at **1123**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
201909060132	Hillside Spring Farm Treated Source	09/06/2019 1117
	@537.1	

Test Description

@537.1 -- EPA Method 537.1



Eaton Analytical

Kit Order for Niagara Bottling, LLC

David S Tripp is your Eurofins Eaton Analytical, LLC Service Manager

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Kit #: 241916

Created By: David S Tripp - [DST]

Deliver By: 08/29/2019

STG: Bottle Orders

Ice Type: W

Pre Registered

Note: Sampler Please return this paper with your samples

Client ID: NIAGARA
Project Code: HILLSIDE-SPRING-FARM-CT
Group Name: 2019-SOURCE-T21 (T)
PO#JOB#: Bottle Orders
Description: W/ PFAS

Ship Sample Kits to
Niagara Bottling, LLC
380 Woodland Ave
Bloomfield, CT 06002
USA
Attn: BLOOMFIELD QA Manager
Phone: 909-226-7353

Send Report to
Niagara Bottling, LLC
54 Hampden Rd.
Somers, CT 06071
Attn: Kerry Gaviak

Billing Address
Niagara Bottling, LLC
2560 E. Philadelphia St.
Ontario, CA 91761

Attn: Kimberly Gomez
Phone: 909-230-5000 x5038

Niagara Bottling, LLC
2560 E. Philadelphia St.
Ontario, CA 91761

Attn: Accounts Payable - General
Phone: 909-230-5000 x7996

# of Sample Tests	Bottle Qty - Type [preservative Information]	Total	UN DOT #
2 @QUANT2000 18HR, Heterotrophic Plate Count	1 - 100ml poly sterilized [0.25 ml Thio (8%)]	2	
1 @QUANT2000	1 - 100ml sterile COLLERT container [THIO xls]	1	
2 @331-PHG	1 - 125 ml poly + syringe, filler [125ml STERILE bottle]	2	
2 Glyphosate	1 - 125ml amber glass [0.2 ml thio (8%)]	2	
2 Phenolic Compounds-low level	2 - 125ml amber glass [0.5 ml H2SO4 (50%)]	4	UN1830
2 Chloramines, Chlorine Dioxide, Free Chlorine Residual, Total Chlorine Residual	1 - 125ml amber glass [no preservative]	2	
2 @ANIONS28, @ANIONS48	1 - 125ml poly [no preservative]	2	
2 @2378-TCDD_Dioxin	2 - 1L amber glass [1 ml Thio 8%]	4	
2 @525	2 - 1L amber glass [45mg Sulfite xls+1 vial 2 ml 6N HCl]	4	UN1789
2 Apparent Color, Odor at 60 C (TON), Turbidity	1 - 1L amber glass [no preservative]	2	
2 @549	1 - 1L amber poly [1 ml Thio 8%]	2	
2 @RA226 GA, @RA228 GA	4 - 1L poly acid rinsed [no preservative]	8	
2 Asbestos by TEM - >10 microns	1 - 1L poly sonicated [no preservative]	2	
1 Cyanide	1 - 250 ml poly [2 ml NaOH (30%)+6 scoops AA]	1	
2 Fluoride	1 - 250 ml poly [no preservative]	2	
2 @ICP, @ICPMS	1 - 250ml acid rinsed [no preservative]	2	
2 Endothall	1 - 250ml amber glass [0.25 ml Thio (8%)]	2	
2 Ammonia Nitrogen	1 - 250ml poly [0.5 ml H2SO4 (50%)]	2	UN1830
2 Alkalinity in CaCO3 units, PH (H3=past HT not compliant), Specific Conductance	1 - 250ml poly [no preservative]	2	



Eaton Analytical

Kit Order for Niagara Bottling, LLC

David S Tripp is your Eurofins Eaton Analytical, LLC Service Manager

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Kit #: 241916

Created By: David S Tripp - [DST]

Deliver By: 08/29/2019

STG: Bottle Orders

Ice Type: W

Pre Registered

Note: Sampler Please return this paper with your samples

Client ID: NIAGARA
Project Code: HILLSIDE-SPRING-FARM-CT
Group Name: 2019-SOURCE-T21 (T)
PO#/JOB#:
Description: W/ PFAS

Ship Sample Kits to
Niagara Bottling, LLC
380 Woodland Ave
Bloomfield, CT 06002
USA
Attn: BLOOMFIELD QA Manager
Phone: 909-226-7353

Send Report to
Niagara Bottling, LLC
54 Hampden Rd.
Somers, CT 06071
Attn: Kerry Gaviak

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Ontario, CA 91761

Attn: Kimberly Gomez
Phone: 909-230-5000 x5038

Niagara Bottling, LLC
2560 E. Philadelphia St.
Ontario, CA 91761

Attn: Accounts Payable - General
Phone: 909-230-5000 x7996

# of Sample Tests	Bottle Qty - Type [preservative information]	Total	UN DOT #
2 @537.1	2 - 275 ml polypro w polypro cap [1.4 g Trisma]	4	
2 @531	2 - 40ml amber glass vial [0.37g KH ₂ Citrate+6mg ThioSO ₄]	4	
2 @505	4 - 40ml amber glass vial [1 drop Thio (8%)]	8	
2 @VOA	3 - 40ml amber glass vial [25mg Ascorbic+drop 2ml 1:1 HCL]	6	UN1789
2 @HAA	3 - 40ml amber glass vial [65 mg NH ₄ Cl]	6	
2 @504LOW	3 - 40ml amber glass vial [no preservative]	6	
2 @RN	2 - 40ml amber glass vial [no preservative]	4	
2 Mercury by ICAP/MS	1 - 500ml acid poly [2ml HNO ₃ (18%)]	2	UN2031
2 @900	1 - 500ml poly [2ml 18% HNO ₃ +125ml poly/no pres]	2	UN2031
2 Orthophosphate as P (OPO ₄), Surfactants	1 - 500ml poly [no preservative]	2	
2 Total Dissolved Solid (TDS)	1 - 500ml poly [no preservative]	2	
2 @515.4	4 - 60ml amber glass [3 mg NaSulfite]	8	
1 @551SODA	3 - 60ml amber glass vial [1g (1%NaPhos/99%KPhos+ 0.6%NH ₄ CL /vial)	3	
2 @DBP_14, @DBP_28, Bromate by UV/VIS	1 - 60mL poly [0.6 mL 1% EDA solution]	2	

Sum Bottles: 107

Sum Tests: 63

Comments

Please attach Kit order, Please include return shipping label as well

Code Status Date Shipped Via Tracking # # of Coolers Prepared By

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 825794
Project: HILLSIDE-SPRING-FARM-CT
Group: PFCs

Niagara Bottling, LLC
Kerry Gavlak
54 Hampdem Rd.
Somers, CT 06071

Tel: (626) 386-1100
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Laboratory Hits

Report: 825794
Project: HILLSIDE-SPRING-FARM-CT
Group: PFCs

Niagara Bottling, LLC
Kerry Gavlak
54 Hampdem Rd.
Somers, CT 06071

Samples Received on:
09/06/2019 1123

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
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Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 825794
Project: HILLSIDE-SPRING-FARM-CT
Group: PFCs

Niagara Bottling, LLC
Kerry Gavlak
54 Hampdem Rd.
Somers, CT 06071

Samples Received on:
09/06/2019 1123

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
Hillside Spring Farm Treated Source (201909060132)						Sampled on 09/06/2019 1117			
EPA 537.1 - EPA Method 537.1									
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	11-chloroeicosafluoro-3-oxaundecane-sulfonic acid	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	ug/L	0.0050	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorobutanesulfonic acid (PFBS)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorodecanoic acid (PFDA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorododecanoic acid (PFDoA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluoroheptanoic acid (PFHpA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorohexanesulfonic acid (PFHxS)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorohexanoic acid (PFHxA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorononanoic acid (PFNA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorooctanesulfonic acid (PFOS)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorooctanoic acid (PFOA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorotetradecanoic acid (PFTA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluorotridecanoic acid (PFTTrDA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	Perfluoroundecanoic acid (PFUnA)	ND	ug/L	0.0020	1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	13C2-PFDA	116	%		1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	13C2-PFHxA	124	%		1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	13C2-PFOA– IS#1	100	%		1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	13C3-HFPO-DA	125	%		1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	13C4-PFOS– IS#2	103	%		1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	d3-NMeFOSAA	89	%		1
09/13/19	09/25/19 02:24	1196810	1199872	(EPA 537.1)	d5-NEtFOSAA	99	%		1

Rounding on totals after summation.

(c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory QC Summary**Report:** 825794**Project:** HILLSIDE-SPRING-FARM-CT**Group:** PFCs

Niagara Bottling, LLC

EPA Method 537.1**Prep Batch: 1196810 Analytical Batch: 1199872**

201909060132

Hillside Spring Farm Treated Source

Analysis Date: 09/25/2019

Analyzed by: ARH

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Report: 825794
Project: HILLSIDE-SPRING-FARM-CT
Group: PFCs

Niagara Bottling, LLC

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
EPA Method 537.1 by EPA 537.1									
Prep Batch: 1196810 Analytical Batch: 1199872					Analysis Date: 09/24/2019				
LCS1	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	0.024	0.0264	ug/L	112	(70-130)			
LCS2	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	0.025	0.0251	ug/L	100	(70-130)	30		5.0
MBLK	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid		<0.000667	ug/L					
MRL_CHK	11-chloroeicosafuoro-3-oxaundecane-sulfonic acid	0.0019	0.00215	ug/L	114	(50-150)			
MS1_201909050633	11-chloroeicosafuoro-3-oxaundecane-sulfonic acidND	0.024	0.0230	ug/L	98	(70-130)			
MSD1_201909050633	11-chloroeicosafuoro-3-oxaundecane-sulfonic acidND	0.023	0.0233	ug/L	100	(70-130)	20		1.2
LCS1	13C2-PFDA (S)	100	92.3	%	92	(70-130)			
LCS2	13C2-PFDA (S)	100	101	%	101	(70-130)			
MBLK	13C2-PFDA (S)		118	%	118	(70-130)			
MRL_CHK	13C2-PFDA (S)	100	116	%	116	(70-130)			
MS1_201909050633	13C2-PFDA (S)	100	106	%	106	(70-130)			
MSD1_201909050633	13C2-PFDA (S)	100	120	%	120	(70-130)			
LCS1	13C2-PFHxA (S)	100	104	%	104	(70-130)			
LCS2	13C2-PFHxA (S)	100	110	%	110	(70-130)			
MBLK	13C2-PFHxA (S)		117	%	117	(70-130)			
MRL_CHK	13C2-PFHxA (S)	100	114	%	114	(70-130)			
MS1_201909050633	13C2-PFHxA (S)	100	115	%	115	(70-130)			
MSD1_201909050633	13C2-PFHxA (S)	100	122	%	122	(70-130)			
LCS1	13C2-PFOA- IS#1 (I)	100	89.3	%	89	(50-150)			
LCS2	13C2-PFOA- IS#1 (I)	100	95.0	%	95	(50-150)			
MBLK	13C2-PFOA- IS#1 (I)		91.7	%	92	(50-150)			
MRL_CHK	13C2-PFOA- IS#1 (I)	100	94.1	%	94	(50-150)			
MS1_201909050633	13C2-PFOA- IS#1 (I)	100	94.7	%	95	(50-150)			
MSD1_201909050633	13C2-PFOA- IS#1 (I)	100	96.7	%	97	(50-150)			
LCS1	13C3-HFPO-DA (S)	100	98.7	%	99	(70-130)			
LCS2	13C3-HFPO-DA (S)	100	104	%	104	(70-130)			
MBLK	13C3-HFPO-DA (S)		113	%	113	(70-130)			
MRL_CHK	13C3-HFPO-DA (S)	100	117	%	117	(70-130)			
MS1_201909050633	13C3-HFPO-DA (S)	100	112	%	112	(70-130)			
MSD1_201909050633	13C3-HFPO-DA (S)	100	111	%	111	(70-130)			
LCS1	13C4-PFOS- IS#2 (I)	100	87.2	%	87	(50-150)			
LCS2	13C4-PFOS- IS#2 (I)	100	96.5	%	97	(50-150)			
MBLK	13C4-PFOS- IS#2 (I)		100	%	100	(50-150)			
MRL_CHK	13C4-PFOS- IS#2 (I)	100	89.5	%	89	(50-150)			
MS1_201909050633	13C4-PFOS- IS#2 (I)	100	101	%	101	(50-150)			

Spike recovery is already corrected for native results.

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Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

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Group: PFCs

Niagara Bottling, LLC

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD1_201909050633	13C4-PFOS- IS#2 (I)		100	91.1	%	91	(50-150)		
LCS1	4,8-dioxa-3H-perfluorononanoic acid (ADONA)		0.025	0.0268	ug/L	107	(70-130)		
LCS2	4,8-dioxa-3H-perfluorononanoic acid (ADONA)		0.025	0.0266	ug/L	106	(70-130)	30	0.75
MBLK	4,8-dioxa-3H-perfluorononanoic acid (ADONA)			<0.000667	ug/L				
MRL_CHK	4,8-dioxa-3H-perfluorononanoic acid (ADONA)		0.002	0.00242	ug/L	121	(50-150)		
MS1_201909050633	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.025	0.0283	ug/L	113	(70-130)		
MSD1_201909050633	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.025	0.0280	ug/L	112	(70-130)	20	1.1
LCS1	9-chlorohexadecafluoro-3-oxanone-sulfonic acid		0.023	0.0273	ug/L	117	(70-130)		
LCS2	9-chlorohexadecafluoro-3-oxanone-sulfonic acid		0.025	0.0254	ug/L	101	(70-130)	30	7.2
MBLK	9-chlorohexadecafluoro-3-oxanone-sulfonic acid			<0.000667	ug/L				
MRL_CHK	9-chlorohexadecafluoro-3-oxanone-sulfonic acid		0.0019	0.00249	ug/L	134	(50-150)		
MS1_201909050633	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	0.023	0.0256	ug/L	110	(70-130)		
MSD1_201909050633	9-chlorohexadecafluoro-3-oxanone-sulfonic acid	ND	0.023	0.0243	ug/L	104	(70-130)	20	5.0
LCS1	d3-NMeFOSAA (I)		100	101	%	101	(50-150)		
LCS2	d3-NMeFOSAA (I)		100	98.8	%	99	(70-130)		
MBLK	d3-NMeFOSAA (I)			92.8	%	93	(50-150)		
MRL_CHK	d3-NMeFOSAA (I)		100	95.6	%	96	(50-150)		
MS1_201909050633	d3-NMeFOSAA (I)		100	90.8	%	91	(50-150)		
MSD1_201909050633	d3-NMeFOSAA (I)		100	92.1	%	92	(50-150)		
LCS1	d5-NEtFOSAA (S)		100	99.7	%	100	(70-130)		
LCS2	d5-NEtFOSAA (S)		100	95.2	%	95	(70-130)		
MBLK	d5-NEtFOSAA (S)			111	%	111	(70-130)		
MRL_CHK	d5-NEtFOSAA (S)		100	98.8	%	99	(70-130)		
MS1_201909050633	d5-NEtFOSAA (S)		100	107	%	107	(70-130)		
MSD1_201909050633	d5-NEtFOSAA (S)		100	116	%	116	(70-130)		
LCS1	Hexafluoropropylene oxide dimer acid (HFPO-DA)		0.063	0.0708	ug/L	113	(70-130)		
LCS2	Hexafluoropropylene oxide dimer acid (HFPO-DA)		0.063	0.0690	ug/L	110	(70-130)	30	2.6
MBLK	Hexafluoropropylene oxide dimer acid (HFPO-DA)			<0.001666	ug/L				
MRL_CHK	Hexafluoropropylene oxide dimer acid (HFPO-DA)		0.005	0.00628	ug/L	126	(50-150)		
MS1_201909050633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.063	0.0664	ug/L	106	(70-130)		
MSD1_201909050633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.063	0.0647	ug/L	103	(70-130)	20	2.6
LCS1	N-ethyl Perfluorooctanesulfonamidoacetic acid		0.025	0.0254	ug/L	101	(70-130)		
LCS2	N-ethyl Perfluorooctanesulfonamidoacetic acid		0.025	0.0248	ug/L	99	(70-130)	30	2.4
MBLK	N-ethyl Perfluorooctanesulfonamidoacetic acid			<0.000667	ug/L				
MRL_CHK	N-ethyl Perfluorooctanesulfonamidoacetic acid		0.002	0.00202	ug/L	101	(50-150)		
MS1_201909050633	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	0.025	0.0277	ug/L	111	(70-130)		
MSD1_201909050633	N-ethyl Perfluorooctanesulfonamidoacetic acid	ND	0.025	0.0269	ug/L	108	(70-130)	20	2.8
LCS1	N-methyl Perfluorooctanesulfonamidoacetic acid		0.025	0.0279	ug/L	112	(70-130)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS2	N-methyl Perfluorooctanesulfonamidoacetic acid		0.025	0.0270	ug/L	108	(70-130)	30	3.3
MBLK	N-methyl Perfluorooctanesulfonamidoacetic acid			<0.000667	ug/L				
MRL_CHK	N-methyl Perfluorooctanesulfonamidoacetic acid		0.002	0.00264	ug/L	132	(50-150)		
MS1_201909050633	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	0.025	0.0243	ug/L	97	(70-130)		
MSD1_201909050633	N-methyl Perfluorooctanesulfonamidoacetic acid	ND	0.025	0.0281	ug/L	112	(70-130)	20	15
LCS1	Perfluorobutanesulfonic acid (PFBS)		0.022	0.0260	ug/L	117	(70-130)		
LCS2	Perfluorobutanesulfonic acid (PFBS)		0.022	0.0260	ug/L	118	(70-130)	30	0.0
MBLK	Perfluorobutanesulfonic acid (PFBS)			<0.000667	ug/L				
MRL_CHK	Perfluorobutanesulfonic acid (PFBS)		0.0018	0.00231	ug/L	130	(50-150)		
MS1_201909050633	Perfluorobutanesulfonic acid (PFBS)	ND	0.022	0.0299	ug/L	<u>132</u>	(70-130)		
MSD1_201909050633	Perfluorobutanesulfonic acid (PFBS)	ND	0.022	0.0284	ug/L	125	(70-130)	20	5.2
LCS1	Perfluorodecanoic acid (PFDA)		0.025	0.0273	ug/L	109	(70-130)		
LCS2	Perfluorodecanoic acid (PFDA)		0.025	0.0255	ug/L	102	(70-130)	30	6.8
MBLK	Perfluorodecanoic acid (PFDA)			<0.000667	ug/L				
MRL_CHK	Perfluorodecanoic acid (PFDA)		0.002	0.00258	ug/L	129	(50-150)		
MS1_201909050633	Perfluorodecanoic acid (PFDA)	ND	0.025	0.0262	ug/L	104	(70-130)		
MSD1_201909050633	Perfluorodecanoic acid (PFDA)	ND	0.025	0.0255	ug/L	101	(70-130)	20	2.8
LCS1	Perfluorododecanoic acid (PFDoA)		0.025	0.0284	ug/L	113	(70-130)		
LCS2	Perfluorododecanoic acid (PFDoA)		0.025	0.0261	ug/L	104	(70-130)	30	8.4
MBLK	Perfluorododecanoic acid (PFDoA)			<0.000667	ug/L				
MRL_CHK	Perfluorododecanoic acid (PFDoA)		0.002	0.00224	ug/L	112	(50-150)		
MS1_201909050633	Perfluorododecanoic acid (PFDoA)	ND	0.025	0.0251	ug/L	100	(70-130)		
MSD1_201909050633	Perfluorododecanoic acid (PFDoA)	ND	0.025	0.0260	ug/L	104	(70-130)	20	3.7
LCS1	Perfluoroheptanoic acid (PFHpA)		0.025	0.0295	ug/L	118	(70-130)		
LCS2	Perfluoroheptanoic acid (PFHpA)		0.025	0.0279	ug/L	112	(70-130)	30	5.6
MBLK	Perfluoroheptanoic acid (PFHpA)			<0.000667	ug/L				
MRL_CHK	Perfluoroheptanoic acid (PFHpA)		0.002	0.00258	ug/L	129	(50-150)		
MS1_201909050633	Perfluoroheptanoic acid (PFHpA)	ND	0.025	0.0277	ug/L	110	(70-130)		
MSD1_201909050633	Perfluoroheptanoic acid (PFHpA)	ND	0.025	0.0270	ug/L	106	(70-130)	20	2.6
LCS1	Perfluorohexanesulfonic acid (PFHxS)		0.023	0.0270	ug/L	118	(70-130)		
LCS2	Perfluorohexanesulfonic acid (PFHxS)		0.023	0.0242	ug/L	106	(70-130)	30	11
MBLK	Perfluorohexanesulfonic acid (PFHxS)			<0.000667	ug/L				
MRL_CHK	Perfluorohexanesulfonic acid (PFHxS)		0.0018	0.00235	ug/L	129	(50-150)		
MS1_201909050633	Perfluorohexanesulfonic acid (PFHxS)	ND	0.023	0.0256	ug/L	104	(70-130)		
MSD1_201909050633	Perfluorohexanesulfonic acid (PFHxS)	ND	0.023	0.0284	ug/L	116	(70-130)	20	11
LCS1	Perfluorohexanoic acid (PFHxA)		0.025	0.0300	ug/L	120	(70-130)		
LCS2	Perfluorohexanoic acid (PFHxA)		0.025	0.0275	ug/L	110	(70-130)	30	8.7
MBLK	Perfluorohexanoic acid (PFHxA)			<0.000667	ug/L				

Spike recovery is already corrected for native results.

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Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MRL_CHK	Perfluorohexanoic acid (PFHxA)		0.002	0.00236	ug/L	118	(50-150)		
MS1_201909050633	Perfluorohexanoic acid (PFHxA)	ND	0.025	0.0280	ug/L	112	(70-130)		
MSD1_201909050633	Perfluorohexanoic acid (PFHxA)	ND	0.025	0.0279	ug/L	112	(70-130)	20	0.33
LCS1	Perfluorononanoic acid (PFNA)		0.025	0.0286	ug/L	114	(70-130)		
LCS2	Perfluorononanoic acid (PFNA)		0.025	0.0288	ug/L	115	(70-130)	30	0.70
MBLK	Perfluorononanoic acid (PFNA)			<0.000667	ug/L				
MRL_CHK	Perfluorononanoic acid (PFNA)		0.002	0.00250	ug/L	125	(50-150)		
MS1_201909050633	Perfluorononanoic acid (PFNA)	ND	0.025	0.0272	ug/L	107	(70-130)		
MSD1_201909050633	Perfluorononanoic acid (PFNA)	ND	0.025	0.0281	ug/L	111	(70-130)	20	3.2
LCS1	Perfluorooctanesulfonic acid (PFOS)		0.023	0.0234	ug/L	101	(70-130)		
LCS2	Perfluorooctanesulfonic acid (PFOS)		0.023	0.0259	ug/L	112	(70-130)	30	10
MBLK	Perfluorooctanesulfonic acid (PFOS)			<0.000667	ug/L				
MRL_CHK	Perfluorooctanesulfonic acid (PFOS)		0.0019	0.00237	ug/L	128	(50-150)		
MS1_201909050633	Perfluorooctanesulfonic acid (PFOS)	0.0048	0.023	0.0276	ug/L	99	(70-130)		
MSD1_201909050633	Perfluorooctanesulfonic acid (PFOS)	0.0048	0.023	0.0311	ug/L	114	(70-130)	20	12
LCS1	Perfluorooctanoic acid (PFOA)		0.025	0.0287	ug/L	115	(70-130)		
LCS2	Perfluorooctanoic acid (PFOA)		0.025	0.0267	ug/L	107	(70-130)	30	7.2
MBLK	Perfluorooctanoic acid (PFOA)			<0.000667	ug/L				
MRL_CHK	Perfluorooctanoic acid (PFOA)		0.002	0.00255	ug/L	127	(50-150)		
MS1_201909050633	Perfluorooctanoic acid (PFOA)	ND	0.025	0.0290	ug/L	113	(70-130)		
MSD1_201909050633	Perfluorooctanoic acid (PFOA)	ND	0.025	0.0279	ug/L	108	(70-130)	20	3.9
LCS1	Perfluorotetradecanoic acid (PFTA)		0.025	0.0272	ug/L	109	(70-130)		
LCS2	Perfluorotetradecanoic acid (PFTA)		0.025	0.0241	ug/L	96	(70-130)	30	12
MBLK	Perfluorotetradecanoic acid (PFTA)			<0.000667	ug/L				
MRL_CHK	Perfluorotetradecanoic acid (PFTA)		0.002	0.00232	ug/L	116	(50-150)		
MS1_201909050633	Perfluorotetradecanoic acid (PFTA)	ND	0.025	0.0277	ug/L	111	(70-130)		
MSD1_201909050633	Perfluorotetradecanoic acid (PFTA)	ND	0.025	0.0247	ug/L	99	(70-130)	20	11
LCS1	Perfluorotridecanoic acid (PFTTrDA)		0.025	0.0263	ug/L	105	(70-130)		
LCS2	Perfluorotridecanoic acid (PFTTrDA)		0.025	0.0273	ug/L	109	(70-130)	30	3.7
MBLK	Perfluorotridecanoic acid (PFTTrDA)			<0.000667	ug/L				
MRL_CHK	Perfluorotridecanoic acid (PFTTrDA)		0.002	0.00228	ug/L	114	(50-150)		
MS1_201909050633	Perfluorotridecanoic acid (PFTTrDA)	ND	0.025	0.0267	ug/L	107	(70-130)		
MSD1_201909050633	Perfluorotridecanoic acid (PFTTrDA)	ND	0.025	0.0252	ug/L	100	(70-130)	20	5.9
LCS1	Perfluoroundecanoic acid (PFUnA)		0.025	0.0276	ug/L	110	(70-130)		
LCS2	Perfluoroundecanoic acid (PFUnA)		0.025	0.0271	ug/L	108	(70-130)	30	1.8
MBLK	Perfluoroundecanoic acid (PFUnA)			<0.000667	ug/L				
MRL_CHK	Perfluoroundecanoic acid (PFUnA)		0.002	0.00238	ug/L	119	(50-150)		
MS1_201909050633	Perfluoroundecanoic acid (PFUnA)	ND	0.025	0.0243	ug/L	97	(70-130)		

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

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QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD1_201909050633	Perfluoroundecanoic acid (PFUnA)	ND	0.025	0.0233	ug/L	93	(70-130)	20	4.2

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RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

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