September 12, 2018

Eric Hausamann
Professional Engineer 1
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7019

RE: Groundwater Sampling Summary Report
OFF-SITE Carriage Cleaners
NYSDEC Site C828131A
1600 Penfield Road
Penfield, New York
NYSDEC Standby Contract Call Out ID: 134655
LaBella Project #2161937.023

Dear Mr. Hausamann,

LaBella Associates, D.P.C. ("LaBella") is pleased to submit this groundwater sampling summary report to document recent groundwater sampling activities and associated laboratory analytical results from off-site properties associated with the Carriage Cleaners Site located at 1600 Penfield Road, Penfield, New York, herein referred to as the "Site". LaBella was retained by the New York State Department of Environmental Conservation (NYSDEC) through the NYSDEC Investigation & Remediation Standby Contract to conduct two (2) separate groundwater sampling events under Call Out ID 134655. Both groundwater sampling events were conducted at monitoring wells located off of the Carriage Cleaners Site property.

Scope of Work

Upon request by the NYSDEC, the following scope of work was completed by LaBella at the Site:

Task 1:

- Retrieve Passive Diffusion Bags (PDBs) from six (6) monitoring wells and fill associated 40-mL VOA sample vials for Volatile Organic Compound (VOC) analysis
- Collect depth to groundwater measurements in each of the six (6) wells
- Purge three (3) well volumes from each of the six (6) wells
- Preserve and ship samples in cooler(s) to lab for analytical testing
- Prepare NYSDEC EQuIS EDD and submit to NYSDEC

Task 2:

- Collect grab samples from six (6) monitoring wells using EPA Low Flow Groundwater Sampling Procedures for analysis of 1,4-Dioxane and PFAS (emerging contaminants)
- Collect depth to groundwater measurements in each of the six (6) wells.
- Preserve and ship samples in cooler(s) to lab for analytical testing
- Prepare NYSDEC EQuIS EDD and submit to NYSDEC
- Submit letter report inclusive of both sampling events

Task 1: Off Site Monitoring Well Sampling for VOCs

On June 6, 2018, two (2) LaBella Qualified Environmental Professionals (QEPs) mobilized to the Site to collect six (6) groundwater samples from the previously deployed PDBs. Prior to retrieving the PDB in each well, the depth to groundwater was measured and recorded on a groundwater sampling log. Wearing nitrile gloves, the QEPs retrieved the PDB in each well, cut the bag open and immediately poured the groundwater into the appropriate HCl-preserved 40-mL VOA vials. The following off-site monitoring wells were sampled during completion of Task 1:

- DP-22
- DP-23
- DP-27
- DP-28
- MW-11
- MW-12

Quality Assurance/Quality Control (QA/QC) samples including a Blind Duplicate and Matrix Spike/Matrix Spike Duplicate (MS/MSD) and a trip blank, were also collected at the time of sampling. One (1) blind duplicate sample was collected from MW-11 and an MS/MSD was collected from MW-12. Immediately following collection, samples were placed in a cooler on ice for preservation during handling and shipment to the analytical laboratory. The ten (10) samples were sent to Test America, an appropriately accredited laboratory, and analyzed for the following parameters:

- Target Compound List (TCL) VOCs and Tentatively Identified Compounds (TICs) by EPA Method 8260

Following sample collection and in anticipation of Task 2 emerging contaminant sampling, each well was purged of three (3) wells volumes of groundwater using Perfluoronated Compound (PFC)-free bailers. As directed by NYSDEC, the purge water evacuated from each well was discharged to the ground surface near its respective well. Figure 1 illustrates the locations of the six (6) wells sampled as part of this task. Groundwater sampling and purge logs are included in Attachment A of this report.

Task 2: Off Site Monitoring Well Sampling for VOCs

On July 12, 2018 and July 13, 2018, a LaBella QEP mobilized to the Site to collect groundwater samples from the following six (6) monitoring wells for emerging contaminants (PFAS & 1,4-Dioxane):

- DP-10
- DP-15
- DP-23
- DP-28
- MW-11
- MW-12

Prior to lowering the pump or tubing into each well, the depth to groundwater was measured and recorded on a groundwater sampling log. Groundwater purging and sampling was completed using EPA Low Flow groundwater sampling procedures. These procedures included routine collection of groundwater quality measurements during purging until sufficient stabilization had occurred, allowing for sample collection to be completed. Water quality measurements observed during purging were recorded on low-flow sampling logs, included as Attachment A of this report.

In four (4) of the six (6) wells, groundwater purging and sampling was completed by use of a 1.75-inch diameter submersible, PFC-free QED Sample Pro bladder pump attached to PFC-free High Density Polyethylene (HDPE) tubing. These four (4) wells are constructed of 2-inch diameter polyvinyl chloride (PVC) and included DP-23, DP-28, MW-11 and MW-12.

The remaining two (2) wells, DP-10 and DP-15, are constructed of 1-inch diameter PVC. It is LaBella's understanding that a 0.75-inch diameter PFC-free bladder pump does not currently exist. Therefore, a Geotech peristaltic pump and PFC-free HDPE tubing was used in these two (2) wells to complete purging and sampling using EPA Low Flow groundwater sampling procedures, as discussed with the NYSDEC.

Each well sampled was constructed with a 10-foot screen interval. Per EPA Low Flow sampling procedures, the bladder pump intake or peristaltic pump HDPE tubing was lowered in each well to the midway point of the screen interval. Once stabilization of groundwater parameters was observed at each well, the flow-through cell was removed and the QEP collected the appropriate samples.

QA/QC samples including a Blind Duplicate, MS/MSD, trip blank, and an equipment rinsate blank were also collected at the time of sampling. One (1) blind duplicate sample was collected from MW-12 and an MS/MSD was collected from MW-11. Equipment rinsate blank ERB-1 was collected by pouring PFC-free water over the bladder pump after it had been decontaminated. It is noted that the bladder pump was decontaminated between each well using PFC-free water provided by the contract lab Test America. New, dedicated PFC-free bladders were used in the pump in each well.

Immediately following collection, samples were placed in a cooler on ice for preservation during handling and shipment to the analytical laboratory. The eleven (11) samples were sent to Test America, an appropriately accredited laboratory, and analyzed for the following parameters:

- Standard list PFAS/PFCs by modified EPA Method 537 (21 compounds)
- 1,4-Dioxane by EPA Method 8270 SIM

As directed by NYSDEC, the purge water evacuated from each well was discharged to the ground surface near its respective well. Figure 2 illustrates the locations of the six (6) wells sampled as part of this task. Groundwater purging and sampling logs are included in Attachment A of this report.

SAMPLE RESULTS

Task 1:
As illustrated in Table 1, the following VOCs were detected in the groundwater samples:

- Acetone – Detected at estimated concentrations in wells MW-11, MW-12, DP-22 and DP-28. These concentrations are estimated because they were detected above the laboratory Method Detection Limit (MDL) but below the Reporting Limit (RL) and therefore cannot be precisely quantified. Acetone was detected in wells DP-23 and DP-27 at concentrations below the applicable NYSDEC 6 NYCRR Part 703 groundwater standard. It is noted that

acetone was also detected in the trip blank sample and is a common lab artifact due to its use as a system monitoring compound.

- cis -1,2-Dichloroethene - Detected at concentrations above the applicable NYSDEC 6 NYCRR Part 703 groundwater standard in wells MW-12 and DP-23.

- Methyl tert-butyl ether – Detected in sample Blind Duplicate from well MW-11 at an estimated concentration. This concentration is estimated because it was detected above the laboratory MDL but below the RL and therefore cannot be precisely quantified.

- Methylene Chloride - Detected at an estimated concentration in well DP-22 below the applicable NYSDEC 6 NYCRR Part 703 groundwater standard. This concentration is estimated because it was detected above the laboratory MDL but below the RL and therefore cannot be precisely quantified. It is noted that Methylene Chloride is a common lab artifact due to its use as a system monitoring compound.

- Toluene – Detected in the trip blank sample at an estimated concentration below the applicable NYSDEC 6 NYCRR Part 703 groundwater standard. This concentration is estimated because it was detected above the laboratory MDL but below the RL and therefore cannot be precisely quantified.

- Vinyl Chloride - Detected at concentrations above the applicable NYSDEC 6 NYCRR Part 703 groundwater standard in wells MW-12, DP-22 and DP-23.

Task 2:
As illustrated in Table 2, 1,4-Dioxane and PFAS/PFCs were detected in the following groundwater samples:

- 1,4-Dioxane – Detected at an estimated concentration in well MW-12. The concentration is estimated because it was detected above the laboratory MDL but below the RL and therefore cannot be precisely quantified. There currently is no drinking water or groundwater guidance value established for this compound in New York State.

- PFAS/PFCs - Detected in wells MW-11, MW-12, DP-10, DP-15, DP-23 and DP-28. The majority of PFCs were detected at estimated concentrations above the laboratory MDL but below the RL and therefore cannot be precisely quantified. Total PFCs were detected in wells MW-11, MW-12, DP-15, DP-23 and DP-28 below the applicable USEPA CCR CARE Technical Report no. 38, Table 4 Guidance Values for total PFOA and PFOS in Drinking Water. Total PFCs were detected in well DP-10 above the applicable EPA guidance value of 70 ng/L.

Laboratory analytical data is included in Attachment B.

We appreciate the opportunity to serve your professional environmental engineering needs. If you have any questions please do not hesitate to contact us at 585-454-6110.

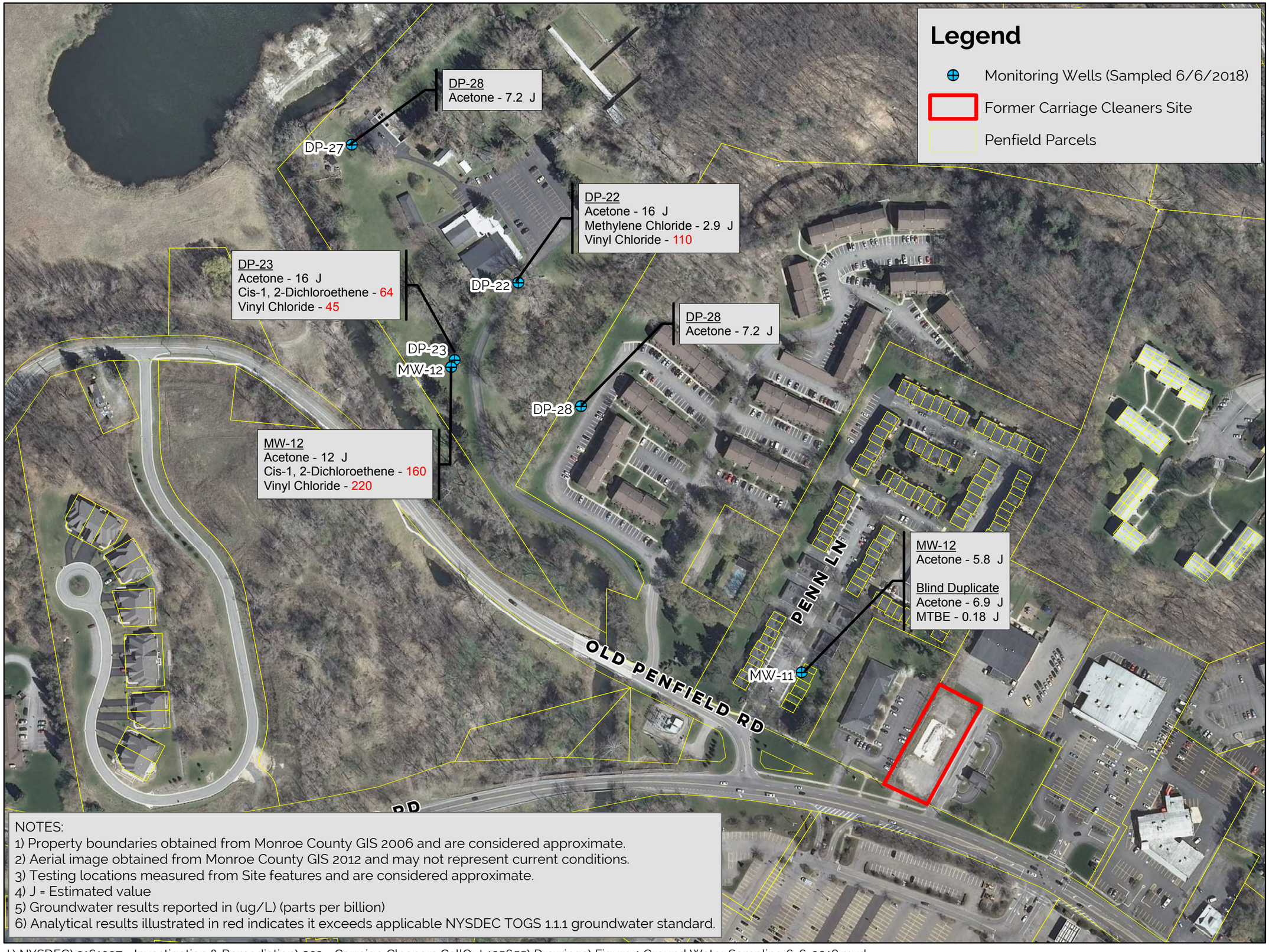
Respectfully submitted,

LaBella Associates

Eric Detweiler
Environmental Geologist

Attachments

Figure 1 – Groundwater Sample Results – Detected VOCs
Figure 2 – Groundwater Sample Results – Total Detected PFAS & 1,4-Dioxane
Table 1 – Summary of VOCs in Groundwater
Table 2 – Summary of 1,4-Dioxane and PFAS/PFCs in Groundwater
Attachment A – Field Logs
Attachment B – Laboratory Analytical Reports



NOTES:
1) Property boundaries obtained from Monroe County GIS 2006 and are considered approximate.
2) Aerial image obtained from Monroe County GIS 2012 and may not represent current conditions.
3) Testing locations measured from Site features and are considered approximate.
4) J = Estimated value
5) Groundwater results reported in (ug/L) (parts per billion)
6) Analytical results illustrated in red indicates it exceeds applicable NYSDEC TOGS 1.1.1 groundwater standard.

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Feet
1 inch = 200 feet

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CLIENT:

New York State Department of Environmental Conservation

PROJECT:

OFF SITE CARRIAGE CLEANERS
PASSIVE DIFFUSION BAG (PDB) SAMPLING
NYSDEC SITE NO. C828131A
PENFIELD, NEW YORK

DRAWING NAME:

GROUNDWATER SAMPLE RESULTS - DETECTED VOCs

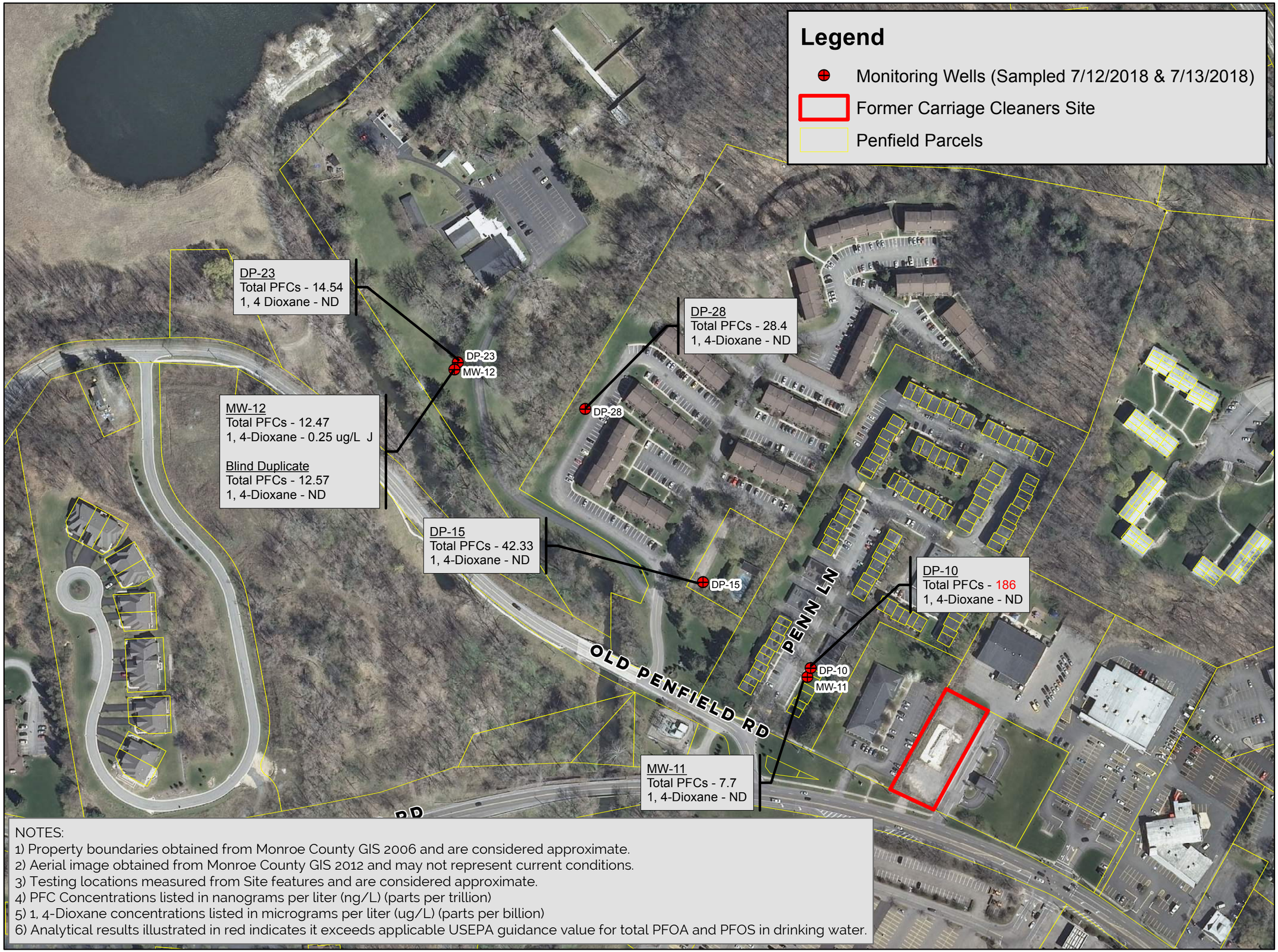
PROJECT #/DRAWING #/ DATE

2161937.023

FIGURE 1

9/12/2018

J:\NYSDEC\2161937 - Investigation & Remediation\023 - Carraige Cleaners CallOut 135655\Drawings\Figure 1 Ground Water Sampling 6-6-2018.mxd



NOTES:
1) Property boundaries obtained from Monroe County GIS 2006 and are considered approximate.
2) Aerial image obtained from Monroe County GIS 2012 and may not represent current conditions.
3) Testing locations measured from Site features and are considered approximate.
4) PFC Concentrations listed in nanograms per liter (ng/L) (parts per trillion)
5) 1, 4-Dioxane concentrations listed in micrograms per liter (ug/L) (parts per billion)
6) Analytical results illustrated in red indicates it exceeds applicable USEPA guidance value for total PFOA and PFOS in drinking water.

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Feet
1 inch = 200 feet

INTENDED TO PRINT AS: 11" X 17"

CLIENT:
New York State Department of Environmental Conservation

PROJECT:
OFF SITE CARRIAGE CLEANERS
EMERGING CONTAMINANTS SAMPLING
NYSDEC SITE NO. C828131A
PENFIELD, NEW YORK

DRAWING NAME:
GROUNDWATER SAMPLE RESULTS - DETECTED PFAS AND 1, 4-DIOXANE

PROJECT #/DRAWING #/ DATE
2161937.023
FIGURE 2
9/12/2018

J:\NYSDEC\2161937 - Investigation & Remediation\023 - Carraige Cleaners CallOut 135655\Drawings\Figure 2 Ground Water Sampling 7-13-2018.mxd

Table 1
Analytical Results of TCL VOCs in Groundwater
OFF SITE Carriage Cleaners
1600 Penfield Road, Penfield, NY 14625
LaBella Project #2161937.023

Sample ID	NYCRR Part 703 Groundwater Quality Standards	DP-22		DP-23		DP-27		DP-28		MW-11		MW-12		Blind Duplicate (MW-11)		TRIP BLANK	
Screened Interval (ft bgs)		9.6 - 19.6		10.8 - 20.8		8.1 - 18.1		13.6 - 23.6		49.9 - 59.9		48.6 - 58.6		49.9 - 59.9		NA	
Sample Date		6/6/2018		6/6/2018		6/6/2018		6/6/2018		6/6/2018		6/6/2018		6/6/2018		6/6/2018	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Volatile organic compounds																	
Acetone	50*	16	J	16		11		7.2	j	5.8	J	12	J F1 F2	6.9	J	5.6	J
cis -1,2-Dichloroethene	5	ND		**64**		ND		ND		ND		**160**	F1	ND		ND	
Methyl tert-butyl ether	10*	ND		ND		ND		ND		ND		ND		0.18	J	ND	
Methylene Chloride	5	2.9	J	ND		ND		ND		ND		ND		ND		ND	
Toluene	5	ND		ND		ND		ND		ND		ND		ND		0.51	J
Vinyl chloride	2	**110**		**45**		ND		ND		ND		**220**	F1	ND		ND	

NOTES:

All values displayed in micrograms per liter (ug/L) or parts per billion (ppb).

VOCs analyzed by USEPA Method 8260.

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard or Guidance Value.

ND indicates compound was not detected above the indicated laboratory method detection limit (MDL).

J indicates a result is less than the RL but greater than or equal to the MDL and the concentration is an estimated value.

F1 indicates the MS and/or MSD Recovery is outside acceptance limits.

F2 indicates the MS/MSD relative percent difference exceeds control limits.

* indicates no NYSDEC 6NYCRR Part 703 Groundwater Standard Value is listed.

Table 2
Analytical Results of 1,4-Dioxane & PFOA/PFOS in Groundwater
OFF SITE Carriage Cleaners
1600 Penfield Road, Penfield, NY 14625
LaBella Project #2161937.023

LOCATION	USEPA CCR CARE Technical Report no. 38, Table 4 Guidance Values for total PFOA and PFOS in Drinking Water	Units	DP-10		DP-15		DP-23		DP-28		ERB-1		MW-11		MW-12		BLIND DUPLICATE-2		TRIP BLANK	
SAMPLING DATE			7/13/2018		7/13/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018		7/12/2018	
ANALYTE			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
1,4-Dioxane	NA	ug/L	ND		ND		ND		ND		ND		ND		0.25	J	ND		ND	
Perfluorinated Compounds																				
Perfluorobutanoic acid (PFBA)		ng/L	**14**	B	**9.2**	B	**6.9**	B	**13**	B	ND		**3.9**	B	**6.2**	B	**6.7**	B	ND	
Perfluoropentanoic acid (PFPeA)		ng/L	**16**		**5.0**		**1.4**	J	**6.9**		ND		**2.3**		**2.8**		**1.8**		**0.86**	J
Perfluorohexanoic acid (PFHxA)		ng/L	**18**	B	**3.5**	B	**1.2**	J B	**5.5**	B	ND		**0.90**	J B	**0.91**	J B	**1.1**	J B	ND	
Perfluoroheptanoic acid (PFHpA)		ng/L	**8.7**		**2.8**		**0.88**	J	**3.0**		ND		**0.60**	J	**0.43**	J	**0.44**	J	ND	
Perfluorooctanoic acid (PFOA)		ng/L	**25**	B	**7.7**	B	**1.3**	J B	**3.1**	B	ND		**0.55**	J B	**0.26**	J B	**0.48**	J B	ND	
Perfluorononanoic acid (PFNA)		ng/L	**1.7**		**0.58**	J	ND		ND		ND		ND		ND		ND		ND	
Perfluorodecanoic acid (PFDA)		ng/L	**2.3**		ND		ND		ND		ND		ND		ND		ND		ND	
Perfluoroundecanoic acid (PFUnA)		ng/L	**0.30**	J	**0.35**	J	**0.23**	J	**0.28**	J	**0.26**	J	ND		**0.24**	J	ND		**0.63**	J
Perfluorododecanoic acid (PFDoA)		ng/L	**0.32**	J	ND		ND		ND		ND		ND		ND		ND		**0.67**	J
Perfluorotridecanoic Acid (PFTriA)		ng/L	ND		ND		ND		ND		ND		ND		ND		ND		**0.75**	J
Perfluorotetradecanoic acid (PFTeA)		ng/L	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Perfluorobutanesulfonic Acid (PFBS)		ng/L	**13**		**1.7**		**1.5**	J	**3.9**		ND		**2.1**		**0.75**	J	**1.1**	J	ND	
Perfluorohexanesulfonic Acid (PFHxS)	Not Listed	ng/L	**6.6**	B	**1.8**	B	**0.59**	J B	**1.1**	J B	**0.32**	J B	**0.90**	J B	**0.88**	J B	**0.95**	J B	**0.3**	J B
Perfluoroheptanesulfonic Acid (PFHpS)		ng/L	**1.1**	J	ND		ND		ND		ND		ND	F1	ND		ND		ND	
Perfluorooctanesulfonic acid (PFOS)		ng/L	**78**		**5.7**		ND		ND		ND		ND		ND		ND		ND	
Perfluorodecanesulfonic acid (PFDS)		ng/L	ND		ND		ND		ND		ND		ND		ND		ND		**0.46**	J
Perfluorooctane Sulfonamide (PFOSA)		ng/L	ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)		ng/L	ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)		ng/L	ND		**2.1**	J B	ND		ND		ND		ND		ND		ND		**0.71**	J B
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)		ng/L	**0.94**	J B	**1.9**	J B	ND		ND		ND		ND		ND		ND		ND	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)		ng/L	ND		ND		**0.54**	J	ND		ND		ND		ND		ND		ND	
Total PFCs	**70**	ng/L	**185.96**		**42.33**		**14.54**		**28.4**		**0.58**		**7.70**		**12.47**		**12.57**		**4.38**	

NOTES:

"<" indicates detected lower than the Method Detection Limit (MDL)

"ND" indicates analyte was not detected

PFC Concentrations are shown in nanograms per Liter (ng/L) or parts per trillion (PPT)

Perfluorinated compounds were analyzed via USEPA Method 537.

BOLD values indicated compound was detected above method detection limit (MDL).

Yellow highlighted concentrations indicate value exceeded USEPA CCR CARE Technical Report no. 38, Table 4 Guidance Values for total PFOA and PFOS in Drinking Water.

"NA" indicates not applicable or no applicable standard.

"J" indicates an estimated value.

"B" indicates compound was found in blank and sample.

"F1" indicates MS and/or MSD Recovery is outside acceptance limits.

1,4-Dioxane does not currently have a NYSDEC TOGS 1.1.1 groundwater standard

NYSDEC - New York State Department of Environmental Conservation

USEPA - United States Environmental Protection Agency

ATTACHMENT A – FIELD LOGS

LaBella
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300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-11

Project Name: Former Carriage Cleaners ~~off~~ site
Project No.: 2161937.023
Location: 1600 Penfield Rd.
Development By: Eric D. / Sarah L.
Date:
Weather: overcast, 65

PURGE VOLUME CALCULATION

Well Diameter: 2" -Inch
Depth of Well: 59.90 -Feet
Static Water Level: 6.47 -Feet
Single Well Volume: 8.7 -Gallons

PURGE & SAMPLING METHOD

☒ Bailer - Type: Non-PFC
Sampling Device: PDB
☐ Pump - Type
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
							Color = light brown (purge water)
							LNAPL or DNAPL observed = (No)
							Odor: YES / (NO)
							Sheen: YES / (NO)

Total 26.5 Gallons Purged Purge Start Time: 12:55 Purge End Time: 13:35

OBSERVATIONS:

Collect sample @ 12:50 from PDB then purge well (3 vols)

*Collect duplicate sample Blind Duplicate-1 (12:52) from PDB

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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GROUNDWATER DEVELOPMENT FORM

WELL I.D. MW-12

Project Name: Former Carriage Cleaners OFFSITE Project No.: 216937.023
Location: ~~Same as others~~ 1600 Penfield Rd
Development By: Erin D. / Sarah L. Date: 6/6/18
Weather: overcast, 65°

PURGE VOLUME CALCULATION

Well Diameter: 2 -Inch
Depth of Well: 58.60 -Feet
Static Water Level: 4.07 -Feet
Single Well Volume: 8.88 -Gallons

PURGE & SAMPLING METHOD

☒ Bailer - Type: non-PFC
Sampling Device: PDB
☐ Pump - Type
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
							Color = light ~~grey~~ grey
							LNAPL or DNAPL observed = (No)
							Odor: (YES) / NO light odor
							Sheen: (YES) / ~~NO~~ very light sheen

Total 28 Gallons Purged Purge Start Time: 11:20 Purge End Time: 11:52

OBSERVATIONS:

Sample time = 11:10 ☆ Collect MS/MSD; only able to collect total of 3 x 40 ml VOA vials per PDB; purge 28 gallons following sample collection
Purge water light grey (bedrock well?) with odor and light sheen

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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GROUNDWATER DEVELOPMENT FORM

WELL I.D. DP-22

Project Name: Former Carriage Cleaners - OFFSITE Project No.: 2161937.023
Location: 1600 Penfield Rd.
Development By: Eric D. / Sarah L Date: 6/6/18
Weather: overcast, 60

PURGE VOLUME CALCULATION

Well Diameter: 2 -Inch
Depth of Well: 19.60 -Feet
Static Water Level: 6.4 -Feet
Single Well Volume: 2.15 -Gallons

PURGE & SAMPLING METHOD

☒ Bailer - Type: non-PFC
Sampling Device: PDB
☐ Pump - Type
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
							Color = rusty to light grey
							LNAPL or DNAPL observed = (No)
							Odor: YES / NO light odor
							Sheen: YES / (NO)
							Field parameters measurements
							not collected due to PDB
							volume

Total 6.5 Gallons Purged Purge Start Time: 10:40 Purge End Time: 10:53

OBSERVATIONS:

Sample time = 10:36 (PDB) No odors noted at time of sample collection other than sulphur-like odor
Purge 6.5 gallons following sample collection

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. DP-23

Project Name: Former Carriage Cleaners OFF SITE
Project No.: 2161937.023
Location: 1600 Penfield Rd.
Development By: Eviz D. / Sarah L.
Date: 6/6/18
Weather: overcast, 60

PURGE VOLUME CALCULATION

Well Diameter: 2" -Inch
Depth of Well: 20.80 -Feet
Static Water Level: 3.98 -Feet
Single Well Volume: 2.74 -Gallons

PURGE & SAMPLING METHOD

☒ Bailer - Type: non-PFC
Sampling Device: PDB
☐ Pump - Type
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
							Color = Clear
							LNAPL or DNAPL observed = (No)
							Odor: (YES) / NO Sulfur-like
							Sheen: YES / (NO)
							Field parameter measurements
							not collected due to limited
							PDB volume

Total 8.25 Gallons Purged Purge Start Time: 11:35 Purge End Time: 11:52

OBSERVATIONS:

Sample time = 11:16; no unusual odors or sheen observed during sample collection other than sulphur-like odor.
Purge 8.25 gallons following VOC sample collection by PDB

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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300 STATE STREET, ROCHESTER, NY
PH: (585) 454-6110 FAX: (585) 454-3066

GROUNDWATER DEVELOPMENT FORM

WELL I.D. DP-27

Project Name: Former Carriage Cleaners OFF SITE
Project No.: 2161937.023
Location: 1600 Penfield Rd.
Development By: Eric D / Sarah L.
Date: 6/6/18
Weather: overcast, 58°

PURGE VOLUME CALCULATION

Well Diameter: 2 -Inch
Depth of Well: 18.10 -Feet
Static Water Level: 6.4 -Feet * PDB pulled prior to DTW measurement
Single Well Volume: 1.9 -Gallons

PURGE & SAMPLING METHOD

☒ Bailer - Type: ~~[illegible]~~ non-PFC
Sampling Device: PDB
☐ Pump - Type
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
							Color = rusty (Fe oxide)
							LNAPL or DNAPL observed = (No)
							Odor: YES / (NO)
							Sheen: YES / (NO)

Total 6 Gallons Purged Purge Start Time: 10:05 Purge End Time:

OBSERVATIONS:

9:58 Retrieve PDB; collect 3x40ml VOA vials
Purge 3 well volumes; rusty/turbid water
No water quality measurements collected due to PDB volume
Sample time 10:00

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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GROUNDWATER DEVELOPMENT FORM

WELL I.D. DP-28

Project Name: Former Carriage Cleaners ~~Site~~ OFF SITE
Project No.: 2161937.023
Location: 1600 Pentfield Rd
Development By: Eric D/Sarah L.
Date: 6/6/18
Weather: Partly Sunny, 65°

PURGE VOLUME CALCULATION

Well Diameter: 2" -Inch
Static Water Level: 8.32 -Feet
Depth of Well: 23.60 -Feet
Single Well Volume: 2.49 -Gallons

PURGE & SAMPLING METHOD

☒ Bailer - Type: non-PFC
☐ Pump - Type
Sampling Device: PDB
Pump Rate:

FIELD PARAMETER MEASUREMENTS

Time	Gallons Purged	pH	Temp (oC)	Conductivity (mS/cm)	Turbidity (NTU)		Comments
							Color = turbid (light brown)
							LNAPL or DNAPL observed = (No)
							Odor: YES / (NO)
							Sheen: YES / (NO)

Total 7.5 Gallons Purged
Purge Start Time: 12:10
Purge End Time: 12:40

OBSERVATIONS:

Sample time = 12:05
Collect VOC sample from PDB then purge 7.5 gal
No field parameters measured

Well Volume (1" well) = 0.0408-gal/ft.	Well Volume (4" well) = 0.65-gal/ft.
Well Volume (2" well) = 0.163-gal/ft.	

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WELL I.D.: MW-11

Project Name: OFF-SITE Carriage Cleaners
Location: Pentfield, NY
Project No.: 2161937.023
Sampled By: ED/~~BC~~
Date: 7/12/18
Weather: Sunny, 70°

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 59.90
Measuring Point: TOR
Pump Type: QED

Static Water Level: 7.10
Length of Well Screen: 10
Depth to Top of Pump: 55' (intake)
Tubing Type:

FIELD PARAMETER MEASUREMENT

Time	Pump Rate	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Alkalinity	Iron (II)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV			
15:55	150 ml/min	0.25g	6.66	20.47	2.44	206	8.57	-24			
16:05	~~175~~ 200		6.68	17.76	2.73	225	7.71	-2			
16:15	300		6.69	17.02	2.77	232	7.60	19			
16:25	↓		6.70	16.04	2.81	202	7.80	48			
16:35			6.72	16.28	2.81	131	7.65	51			
16:45			6.74	16.20	2.82	85.9	7.65	46			
16:55	↓	4-5?	6.76	16.48	2.78	89.2	7.51	47			

Total ~4.5 Gallons Purged

Purge Time Start: 15:50 Purge Time End: 17:00 Final Static Water Level: 7.10

OBSERVATIONS

Notes: No odor, no sheen
Flow through leaks.
Collect MW-11 sample @ 17:00 INCLUDING MS/MSD

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Project Name: OFF SITE Carriage Cleaners
Location: Penfield, NY
Project No.: 2161937.023
Sampled By: ED
Date: 7/12/18
Weather: Sunny, 70°

WELL I.D.: MW-12

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 58.60
Measuring Point: TOR
Pump Type: QED Sample Pro (PFC-free)
Static Water Level: 4.91
Length of Well Screen: 10
Depth to Top of Pump: 53'
Tubing Type: 1/4" HDPE (PFC-free)

FIELD PARAMETER MEASUREMENT

Time	Pump Rate	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Alkalinity	Iron (II)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV			
~~10:35~~			~~6.61~~	~~18.46~~							
10:40	300 ml/min +-0.5		6.61	16.89	2.59	417	10.68	-29			
12:00	200 ml/min +-2		6.44	16.38	2.50	171	10.10	-18			
12:10	200 ml/min		6.34	15.46	2.47	159	9.55	-17			
12:20	200		6.36	15.51	2.46	144	9.41	-19			
12:35	~~200~~ 150	3.5	6.61	15.56	2.43	113	9.20	-23			
12:45	~~200~~ 150		6.78	15.81	2.41	98.1	8.87	-43			
12:55	175	4	6.77	15.28	2.39	78.9	8.92	-43			
13:05	175	4.75	6.79	15.03	2.39	61.5	8.76	-45			

Total 5 Gallons Purged

Purge Time Start: 11:30 Purge Time End: 13:10 Final Static Water Level: 4.92

OBSERVATIONS

Notes: Collect MW-12 @ 13:10 (includes both PFAS/PFC & 1,4-dioxane)
Collect Blind Duplicate-2 @ 13:15
No odor, no sheen
* ERB-1 (equip. rinseate blank-1) collected @ 13:30 after decanning pump; poured across pump

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Project Name: OFF SITE CARRIAGE CLEANERS
Location: Penfield, NY
Project No.: 2161937.023
Sampled By: ED
Date: 7/13/13
Weather: Sunny, 75°

WELL I.D.: DP-10

WELL SAMPLING INFORMATION

Well Diameter: 1"
Depth of Well: 15.90
Measuring Point: TOR
Pump Type: Peristaltic ~~QED Sample Pro (0.75" PFC free)~~

Static Water Level: 6.82
Length of Well Screen: 10
Depth to Top of Pump: 11 ft btoc (mid screen)
Tubing Type: 1/4" HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Alkalinity	Iron (II)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV			
14:10	175 ml/min		6.87	26.10	1.89	39.6	8.40	153			
14:20	200 ml/min		6.91	23.59	1.87	29.7	7.64	150			
14:30	200 ml/min	1 gal	6.89	22.36	1.95	18.4	7.60	146			
14:40	200		6.76	21.39	2.08	13.5	7.62	138			
14:50	"	2 gal	6.69	20.99	2.13	7.41	7.55	120			
15:00		2.5	6.71	20.74	2.16	4.33	7.41	111			

Total 2.4 Gallons Purged

Purge Time Start: ~~14:00~~ 14:00 Purge Time End: 15:05 Final Static Water Level: 6.91

OBSERVATIONS

Notes: Used Geopump peristaltic pump with PFC-free HDPE tubing (GeoTech pump) per NYSDEC
No odor, no sheen

Collect Sample @ DP-10 @ 15:05

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Project Name: OFF-SITE CARRIAGE CLEANERS
Location: Penfield, NY
Project No.: 2161937.023
Sampled By: ED
Date: 7/13/18
Weather: Sunny, 80°

WELL I.D.: DP-15

WELL SAMPLING INFORMATION

Well Diameter: 1"
Depth of Well: 16.40
Measuring Point: TOR
Pump Type: Geotech Geopump Peristaltic

Static Water Level: 4.05
Length of Well Screen: 10
Depth to Top of Pump: 11.4 ft btor
Tubing Type: 1/4" HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Alkalinity	Iron (II)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV			
15:30	+/-250 mL/min	0	7.08	19.43	2.18	13.1	9.42	108			
15:40	250	~~0.3~~ 0.5	7.09	17.59	2.22	4.0	8.79	85			
15:50			7.03	15.87	2.35	0.1	8.52	55			
16:00		+/- 2 gal	6.95	15.49	2.39	0	8.46	50			
16:10		2.5	6.86	15.22	2.40	0	8.28	49			

Total 2.5 Gallons Purged

Purge Time Start: 15:26 Purge Time End: 16:15 Final Static Water Level: 4.49

OBSERVATIONS

Notes: no odor, no sheen; sampled with Geotech peristaltic pump per NYSDEC since 0.75" diam bladder pump is not proven to be PFC-free

Collect sample DP-15 @ 16:15

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Project Name: OFF SITE CARRIAGE CLEANERS
Location:
Project No.:
Sampled By:
Date: 7/12/18
Weather: sunny, 75°

WELL I.D.: DP-23

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 20.80
Measuring Point: TOR
Pump Type:

Static Water Level: 4.81
Length of Well Screen: 10'
Depth to Top of Pump: 15.80
Tubing Type: 1/4" HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Alkalinity	Iron (II)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV			
14:00	~~200~~ml/min	0	6.49	19.91	1.59	67.0	12.12	-44			
14:10	250	1.2	6.76	13.98	1.63	13.8	8.30	-68			
14:20			6.72	13.76	1.63	4.39	8.22	-66			
14:30	+/-250	?	6.71	13.51	1.62	2.95	7.92	-66			
14:40	300		6.80	13.41	1.62	2.94	7.63	-73			

Total ~4.5 Gallons Purged

Purge Time Start: 13:45 Purge Time End: 14:45 Final Static Water Level: 4.81

OBSERVATIONS

Notes: Flow through leaking; no odor, no sheen
Collect sample DP-23 @ 14:45

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Project Name: OFF SITE CARRIAGE CLEANERS
Location: Penfield, NY
Project No.: 2161937.023
Sampled By: ED
Date: 7/12/18
Weather: Sunny, 80°

WELL I.D.: DP-28

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 23.60
Measuring Point: TOR
Pump Type: QED Sample Pro

Static Water Level: 9.15
Length of Well Screen: 10'
Depth to Top of Pump: 18.5 (intake)
Tubing Type: 1/4" HDPE (PFC-free)

FIELD PARAMETER MEASUREMENT

Time	Pump Rate	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Alkalinity	Iron (II)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV			
18:00	125 ml/min		6.69	23.28	2.08	110	8.39	-140			
18:10			6.60	17.10	2.37	97.6	8.15	-138			
18:20			6.56	16.87	2.37	78.8	8.03	-135			
18:35		2.0	6.45	15.80	2.42	60.5	7.98	-129			
18:45		2.2	6.49	15.70	2.42	49.7	7.81	-136			

Total 2.2 Gallons Purged

Purge Time Start: 17:50 Purge Time End: 18:50 Final Static Water Level: 9.15

OBSERVATIONS

Notes: Cotton twine to lower pump
No odor, ~~sheen~~ light sheen
Collect sample DP-28 @ 18:50
purge rate very slow (slight kink in line?) @ 150 psi
battery near dead, can't continue sampling

ATTACHMENT B – LABORATORY ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-137150-1
Client Project/Site: Offsite Carraige Cleaners #C8281131A

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Mr. Eric Hausamann

Authorized for release by:
6/14/2018 10:52:30 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Orlette Johnson
Senior Project Manager
6/14/2018 10:52:30 AM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-137150-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-137150-1

Receipt
The samples were received on 6/8/2018 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-419064 recovered outside acceptance criteria, low biased, for Vinyl chloride and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW-11 (480-137150-5) and TRIP BLANK (480-137150-8).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DP-22 (480-137150-1), MW-12 (480-137150-6), MW-12 (480-137150-6[MS]) and MW-12 (480-137150-6[MSD]). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 480-419079 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits. The following sample is impacted: MW-12 (480-137150-6[MSD]).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Client Sample ID: DP-22 — Lab Sample ID: 480-137150-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	40	12	ug/L	4		8260C	Total/NA
Methylene Chloride	2.9	J	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	110		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: DP-23 — Lab Sample ID: 480-137150-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	64		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	45		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: DP-27 — Lab Sample ID: 480-137150-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: DP-28 — Lab Sample ID: 480-137150-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.2	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 480-137150-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 480-137150-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J F1 F2	40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	160	F1	4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	220	F1	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: BLIND DUPLICATE — Lab Sample ID: 480-137150-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.9	J	10	3.0	ug/L	1		8260C	Total/NA
Methyl tert-butyl ether	0.18	J	1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-137150-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	J	10	3.0	ug/L	1		8260C	Total/NA
Toluene	0.51	J	1.0	0.51	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DP-22

Date Collected: 06/06/18 10:36
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			06/12/18 10:35	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/12/18 10:35	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/12/18 10:35	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			06/12/18 10:35	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/12/18 10:35	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/12/18 10:35	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			06/12/18 10:35	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			06/12/18 10:35	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			06/12/18 10:35	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/12/18 10:35	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/12/18 10:35	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			06/12/18 10:35	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			06/12/18 10:35	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/12/18 10:35	4
2-Hexanone	ND		20	5.0	ug/L			06/12/18 10:35	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/12/18 10:35	4
Acetone	**16**	**J**	40	12	ug/L			06/12/18 10:35	4
Benzene	ND		4.0	1.6	ug/L			06/12/18 10:35	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/12/18 10:35	4
Bromoform	ND		4.0	1.0	ug/L			06/12/18 10:35	4
Bromomethane	ND		4.0	2.8	ug/L			06/12/18 10:35	4
Carbon disulfide	ND		4.0	0.76	ug/L			06/12/18 10:35	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/12/18 10:35	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/12/18 10:35	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/12/18 10:35	4
Chloroethane	ND		4.0	1.3	ug/L			06/12/18 10:35	4
Chloroform	ND		4.0	1.4	ug/L			06/12/18 10:35	4
Chloromethane	ND		4.0	1.4	ug/L			06/12/18 10:35	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			06/12/18 10:35	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/12/18 10:35	4
Cyclohexane	ND		4.0	0.72	ug/L			06/12/18 10:35	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			06/12/18 10:35	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/12/18 10:35	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			06/12/18 10:35	4
Isopropylbenzene	ND		4.0	3.2	ug/L			06/12/18 10:35	4
Methyl acetate	ND		10	5.2	ug/L			06/12/18 10:35	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			06/12/18 10:35	4
Methylcyclohexane	ND		4.0	0.64	ug/L			06/12/18 10:35	4
Methylene Chloride	**2.9**	**J**	4.0	1.8	ug/L			06/12/18 10:35	4
Styrene	ND		4.0	2.9	ug/L			06/12/18 10:35	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/12/18 10:35	4
Toluene	ND		4.0	2.0	ug/L			06/12/18 10:35	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			06/12/18 10:35	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/12/18 10:35	4
Trichloroethene	ND		4.0	1.8	ug/L			06/12/18 10:35	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			06/12/18 10:35	4
Vinyl chloride	**110**		4.0	3.6	ug/L			06/12/18 10:35	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/12/18 10:35	4

Client Sample ID: DP-22
Date Collected: 06/06/18 10:36
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-1
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 10:35	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		06/12/18 10:35	4
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		06/12/18 10:35	4
4-Bromofluorobenzene (Surr)	103		73 - 120		06/12/18 10:35	4
Dibromofluoromethane (Surr)	117		75 - 123		06/12/18 10:35	4

Client Sample Results

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Client Sample ID: DP-23
Date Collected: 06/06/18 11:16
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/18 07:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/18 07:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/18 07:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/18 07:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/18 07:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/18 07:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/18 07:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/18 07:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/18 07:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/18 07:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/18 07:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/18 07:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/18 07:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/18 07:50	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/18 07:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/18 07:50	1
Acetone	**16**		10	3.0	ug/L			06/12/18 07:50	1
Benzene	ND		1.0	0.41	ug/L			06/12/18 07:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/18 07:50	1
Bromoform	ND		1.0	0.26	ug/L			06/12/18 07:50	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/18 07:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/18 07:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/18 07:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/18 07:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/18 07:50	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/18 07:50	1
Chloroform	ND		1.0	0.34	ug/L			06/12/18 07:50	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/18 07:50	1
cis-1,2-Dichloroethene	**64**		1.0	0.81	ug/L			06/12/18 07:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/18 07:50	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/18 07:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/18 07:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/18 07:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/18 07:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/18 07:50	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/18 07:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/18 07:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/18 07:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/18 07:50	1
Styrene	ND		1.0	0.73	ug/L			06/12/18 07:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/18 07:50	1
Toluene	ND		1.0	0.51	ug/L			06/12/18 07:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/18 07:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/18 07:50	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/18 07:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/18 07:50	1
Vinyl chloride	**45**		1.0	0.90	ug/L			06/12/18 07:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/18 07:50	1

Client Sample ID: DP-23
Date Collected: 06/06/18 11:16
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-2
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		06/12/18 07:50	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		06/12/18 07:50	1
4-Bromofluorobenzene (Surr)	97		73 - 120		06/12/18 07:50	1
Dibromofluoromethane (Surr)	99		75 - 123		06/12/18 07:50	1

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Client Sample ID: DP-27
Date Collected: 06/06/18 10:00
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/18 08:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/18 08:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/18 08:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/18 08:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/18 08:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/18 08:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/18 08:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/18 08:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/18 08:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/18 08:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/18 08:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/18 08:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/18 08:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/18 08:17	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/18 08:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/18 08:17	1
Acetone	**11**		10	3.0	ug/L			06/12/18 08:17	1
Benzene	ND		1.0	0.41	ug/L			06/12/18 08:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/18 08:17	1
Bromoform	ND		1.0	0.26	ug/L			06/12/18 08:17	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/18 08:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/18 08:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/18 08:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/18 08:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/18 08:17	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/18 08:17	1
Chloroform	ND		1.0	0.34	ug/L			06/12/18 08:17	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/18 08:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/18 08:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/18 08:17	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/18 08:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/18 08:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/18 08:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/18 08:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/18 08:17	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/18 08:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/18 08:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/18 08:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/18 08:17	1
Styrene	ND		1.0	0.73	ug/L			06/12/18 08:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/18 08:17	1
Toluene	ND		1.0	0.51	ug/L			06/12/18 08:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/18 08:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/18 08:17	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/18 08:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/18 08:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/18 08:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/18 08:17	1

Client Sample ID: DP-27
Date Collected: 06/06/18 10:00
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-3
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 08:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		06/12/18 08:17	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/12/18 08:17	1
4-Bromofluorobenzene (Surr)	95		73 - 120		06/12/18 08:17	1
Dibromofluoromethane (Surr)	98		75 - 123		06/12/18 08:17	1

Client Sample ID: DP-28

Date Collected: 06/06/18 12:05
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/18 08:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/18 08:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/18 08:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/18 08:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/18 08:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/18 08:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/18 08:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/18 08:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/18 08:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/18 08:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/18 08:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/18 08:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/18 08:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/18 08:45	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/18 08:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/18 08:45	1
Acetone	**7.2**	**J**	10	3.0	ug/L			06/12/18 08:45	1
Benzene	ND		1.0	0.41	ug/L			06/12/18 08:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/18 08:45	1
Bromoform	ND		1.0	0.26	ug/L			06/12/18 08:45	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/18 08:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/18 08:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/18 08:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/18 08:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/18 08:45	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/18 08:45	1
Chloroform	ND		1.0	0.34	ug/L			06/12/18 08:45	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/18 08:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/18 08:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/18 08:45	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/18 08:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/18 08:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/18 08:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/18 08:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/18 08:45	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/18 08:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/18 08:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/18 08:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/18 08:45	1
Styrene	ND		1.0	0.73	ug/L			06/12/18 08:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/18 08:45	1
Toluene	ND		1.0	0.51	ug/L			06/12/18 08:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/18 08:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/18 08:45	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/18 08:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/18 08:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/18 08:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/18 08:45	1

Client Sample ID: DP-28

Date Collected: 06/06/18 12:05
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-4

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 08:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		06/12/18 08:45	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/12/18 08:45	1
4-Bromofluorobenzene (Surr)	96		73 - 120		06/12/18 08:45	1
Dibromofluoromethane (Surr)	101		75 - 123		06/12/18 08:45	1

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Client Sample ID: MW-11
Date Collected: 06/06/18 12:50
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/18 05:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/18 05:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/18 05:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/18 05:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/18 05:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/18 05:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/18 05:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/18 05:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/18 05:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/18 05:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/18 05:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/18 05:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/18 05:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/18 05:20	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/18 05:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/18 05:20	1
Acetone	**5.8**	**J**	10	3.0	ug/L			06/12/18 05:20	1
Benzene	ND		1.0	0.41	ug/L			06/12/18 05:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/18 05:20	1
Bromoform	ND		1.0	0.26	ug/L			06/12/18 05:20	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/18 05:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/18 05:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/18 05:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/18 05:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/18 05:20	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/18 05:20	1
Chloroform	ND		1.0	0.34	ug/L			06/12/18 05:20	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/18 05:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/18 05:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/18 05:20	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/18 05:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/18 05:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/18 05:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/18 05:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/18 05:20	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/18 05:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/18 05:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/18 05:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/18 05:20	1
Styrene	ND		1.0	0.73	ug/L			06/12/18 05:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/18 05:20	1
Toluene	ND		1.0	0.51	ug/L			06/12/18 05:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/18 05:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/18 05:20	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/18 05:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/18 05:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/18 05:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/18 05:20	1

Client Sample ID: MW-11
Date Collected: 06/06/18 12:50
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-5
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		06/12/18 05:20	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		06/12/18 05:20	1
4-Bromofluorobenzene (Surr)	104		73 - 120		06/12/18 05:20	1
Dibromofluoromethane (Surr)	101		75 - 123		06/12/18 05:20	1

Client Sample ID: MW-12

Date Collected: 06/06/18 11:10
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-6

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			06/12/18 10:58	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/12/18 10:58	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/12/18 10:58	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	4.0	1.2	ug/L			06/12/18 10:58	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/12/18 10:58	4
1,1-Dichloroethene	ND	F2	4.0	1.2	ug/L			06/12/18 10:58	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			06/12/18 10:58	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			06/12/18 10:58	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			06/12/18 10:58	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/12/18 10:58	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/12/18 10:58	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			06/12/18 10:58	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			06/12/18 10:58	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/12/18 10:58	4
2-Hexanone	ND		20	5.0	ug/L			06/12/18 10:58	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/12/18 10:58	4
Acetone	**12**	**J F1 F2**	40	12	ug/L			06/12/18 10:58	4
Benzene	ND		4.0	1.6	ug/L			06/12/18 10:58	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/12/18 10:58	4
Bromoform	ND		4.0	1.0	ug/L			06/12/18 10:58	4
Bromomethane	ND		4.0	2.8	ug/L			06/12/18 10:58	4
Carbon disulfide	ND	F2	4.0	0.76	ug/L			06/12/18 10:58	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/12/18 10:58	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/12/18 10:58	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/12/18 10:58	4
Chloroethane	ND	F1 F2	4.0	1.3	ug/L			06/12/18 10:58	4
Chloroform	ND		4.0	1.4	ug/L			06/12/18 10:58	4
Chloromethane	ND		4.0	1.4	ug/L			06/12/18 10:58	4
cis-1,2-Dichloroethene	**160**	**F1**	4.0	3.2	ug/L			06/12/18 10:58	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/12/18 10:58	4
Cyclohexane	ND		4.0	0.72	ug/L			06/12/18 10:58	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			06/12/18 10:58	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/12/18 10:58	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			06/12/18 10:58	4
Isopropylbenzene	ND		4.0	3.2	ug/L			06/12/18 10:58	4
Methyl acetate	ND	F1 F2	10	5.2	ug/L			06/12/18 10:58	4
Methyl tert-butyl ether	ND	F1 F2	4.0	0.64	ug/L			06/12/18 10:58	4
Methylcyclohexane	ND		4.0	0.64	ug/L			06/12/18 10:58	4
Methylene Chloride	ND	F1 F2	4.0	1.8	ug/L			06/12/18 10:58	4
Styrene	ND		4.0	2.9	ug/L			06/12/18 10:58	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/12/18 10:58	4
Toluene	ND		4.0	2.0	ug/L			06/12/18 10:58	4
trans-1,2-Dichloroethene	ND	F1 F2	4.0	3.6	ug/L			06/12/18 10:58	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/12/18 10:58	4
Trichloroethene	ND		4.0	1.8	ug/L			06/12/18 10:58	4
Trichlorofluoromethane	ND	F2	4.0	3.5	ug/L			06/12/18 10:58	4
Vinyl chloride	**220**	**F1**	4.0	3.6	ug/L			06/12/18 10:58	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/12/18 10:58	4

Client Sample ID: MW-12
Date Collected: 06/06/18 11:10
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-6
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 10:58	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		06/12/18 10:58	4
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		06/12/18 10:58	4
4-Bromofluorobenzene (Surr)	109		73 - 120		06/12/18 10:58	4
Dibromofluoromethane (Surr)	118		75 - 123		06/12/18 10:58	4

Client Sample ID: BLIND DUPLICATE

Date Collected: 06/06/18 00:00
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-7

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/13/18 05:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/13/18 05:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/13/18 05:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/13/18 05:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/13/18 05:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/13/18 05:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/13/18 05:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/13/18 05:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/13/18 05:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/13/18 05:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/13/18 05:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/13/18 05:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/13/18 05:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/13/18 05:40	1
2-Hexanone	ND		5.0	1.2	ug/L			06/13/18 05:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/13/18 05:40	1
Acetone	**6.9**	**J**	10	3.0	ug/L			06/13/18 05:40	1
Benzene	ND		1.0	0.41	ug/L			06/13/18 05:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/13/18 05:40	1
Bromoform	ND		1.0	0.26	ug/L			06/13/18 05:40	1
Bromomethane	ND		1.0	0.69	ug/L			06/13/18 05:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/13/18 05:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/13/18 05:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/13/18 05:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/13/18 05:40	1
Chloroethane	ND		1.0	0.32	ug/L			06/13/18 05:40	1
Chloroform	ND		1.0	0.34	ug/L			06/13/18 05:40	1
Chloromethane	ND		1.0	0.35	ug/L			06/13/18 05:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/13/18 05:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/13/18 05:40	1
Cyclohexane	ND		1.0	0.18	ug/L			06/13/18 05:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/13/18 05:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/13/18 05:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/13/18 05:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/13/18 05:40	1
Methyl acetate	ND		2.5	1.3	ug/L			06/13/18 05:40	1
Methyl tert-butyl ether	**0.18**	**J**	1.0	0.16	ug/L			06/13/18 05:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/13/18 05:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/13/18 05:40	1
Styrene	ND		1.0	0.73	ug/L			06/13/18 05:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/13/18 05:40	1
Toluene	ND		1.0	0.51	ug/L			06/13/18 05:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/13/18 05:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/13/18 05:40	1
Trichloroethene	ND		1.0	0.46	ug/L			06/13/18 05:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/13/18 05:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/13/18 05:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/13/18 05:40	1

Client Sample ID: BLIND DUPLICATE

Lab Sample ID: 480-137150-7

Date Collected: 06/06/18 00:00

Matrix: Water

Date Received: 06/08/18 09:50

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/13/18 05:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		06/13/18 05:40	1
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		06/13/18 05:40	1
4-Bromofluorobenzene (Surr)	110		73 - 120		06/13/18 05:40	1
Dibromofluoromethane (Surr)	114		75 - 123		06/13/18 05:40	1

Client Sample ID: TRIP BLANK

Date Collected: 06/06/18 08:30
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-8

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/18 05:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/18 05:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/18 05:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/18 05:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/18 05:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/18 05:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/18 05:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/18 05:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/18 05:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/18 05:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/18 05:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/18 05:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/18 05:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/18 05:47	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/18 05:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/18 05:47	1
Acetone	**5.6**	**J**	10	3.0	ug/L			06/12/18 05:47	1
Benzene	ND		1.0	0.41	ug/L			06/12/18 05:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/18 05:47	1
Bromoform	ND		1.0	0.26	ug/L			06/12/18 05:47	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/18 05:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/18 05:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/18 05:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/18 05:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/18 05:47	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/18 05:47	1
Chloroform	ND		1.0	0.34	ug/L			06/12/18 05:47	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/18 05:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/18 05:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/18 05:47	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/18 05:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/18 05:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/18 05:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/18 05:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/18 05:47	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/18 05:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/18 05:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/18 05:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/18 05:47	1
Styrene	ND		1.0	0.73	ug/L			06/12/18 05:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/18 05:47	1
Toluene	**0.51**	**J**	1.0	0.51	ug/L			06/12/18 05:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/18 05:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/18 05:47	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/18 05:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/18 05:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/18 05:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/18 05:47	1

Client Sample ID: TRIP BLANK

Date Collected: 06/06/18 08:30
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-8

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	14	T J	ug/L		2.91			06/12/18 05:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		06/12/18 05:47	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/12/18 05:47	1
4-Bromofluorobenzene (Surr)	100		73 - 120		06/12/18 05:47	1
Dibromofluoromethane (Surr)	97		75 - 123		06/12/18 05:47	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-137150-1	DP-22	99	110	103	117
480-137150-2	DP-23	101	98	97	99
480-137150-3	DP-27	103	99	95	98
480-137150-4	DP-28	102	103	96	101
480-137150-5	MW-11	93	102	104	101
480-137150-6	MW-12	104	114	109	118
480-137150-6 MS	MW-12	109	110	115	110
480-137150-6 MSD	MW-12	107	116	113	116
480-137150-7	BLIND DUPLICATE	104	115	110	114
480-137150-8	TRIP BLANK	92	103	100	97
LCS 480-419062/6	Lab Control Sample	100	99	100	98
LCS 480-419064/5	Lab Control Sample	97	104	106	99
LCS 480-419079/5	Lab Control Sample	103	110	110	111
LCS 480-419241/4	Lab Control Sample	104	111	114	114
MB 480-419062/8	Method Blank	103	97	101	95
MB 480-419064/7	Method Blank	96	104	103	99
MB 480-419079/7	Method Blank	105	110	108	112
MB 480-419241/7	Method Blank	104	111	111	114

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-419062/8
Matrix: Water
Analysis Batch: 419062

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/11/18 23:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/11/18 23:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/11/18 23:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/11/18 23:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/11/18 23:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/11/18 23:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/11/18 23:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/11/18 23:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/11/18 23:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/11/18 23:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/11/18 23:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/11/18 23:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/11/18 23:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/11/18 23:26	1
2-Hexanone	ND		5.0	1.2	ug/L			06/11/18 23:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/11/18 23:26	1
Acetone	ND		10	3.0	ug/L			06/11/18 23:26	1
Benzene	ND		1.0	0.41	ug/L			06/11/18 23:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/11/18 23:26	1
Bromoform	ND		1.0	0.26	ug/L			06/11/18 23:26	1
Bromomethane	ND		1.0	0.69	ug/L			06/11/18 23:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/11/18 23:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/11/18 23:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/11/18 23:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/11/18 23:26	1
Chloroethane	ND		1.0	0.32	ug/L			06/11/18 23:26	1
Chloroform	ND		1.0	0.34	ug/L			06/11/18 23:26	1
Chloromethane	ND		1.0	0.35	ug/L			06/11/18 23:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/11/18 23:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/11/18 23:26	1
Cyclohexane	ND		1.0	0.18	ug/L			06/11/18 23:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/11/18 23:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/11/18 23:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/11/18 23:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/11/18 23:26	1
Methyl acetate	ND		2.5	1.3	ug/L			06/11/18 23:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/11/18 23:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/11/18 23:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/11/18 23:26	1
Styrene	ND		1.0	0.73	ug/L			06/11/18 23:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/11/18 23:26	1
Toluene	ND		1.0	0.51	ug/L			06/11/18 23:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/11/18 23:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/11/18 23:26	1
Trichloroethene	ND		1.0	0.46	ug/L			06/11/18 23:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/11/18 23:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/11/18 23:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/11/18 23:26	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/11/18 23:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		06/11/18 23:26	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/11/18 23:26	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/11/18 23:26	1
Dibromofluoromethane (Surr)	95		75 - 123		06/11/18 23:26	1

Lab Sample ID: LCS 480-419062/6
Matrix: Water
Analysis Batch: 419062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.7		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.1		ug/L		104	61 - 148
1,1-Dichloroethane	25.0	25.4		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	23.4		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		94	56 - 134
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	23.3		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	26.1		ug/L		104	80 - 120
2-Butanone (MEK)	125	137		ug/L		109	57 - 140
2-Hexanone	125	129		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		102	80 - 122
Bromoform	25.0	25.1		ug/L		100	61 - 132
Bromomethane	25.0	24.1		ug/L		96	55 - 144
Carbon disulfide	25.0	23.4		ug/L		93	59 - 134
Carbon tetrachloride	25.0	24.9		ug/L		100	72 - 134
Chlorobenzene	25.0	26.3		ug/L		105	80 - 120
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Chloroform	25.0	24.4		ug/L		97	73 - 127
Chloromethane	25.0	24.0		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
Cyclohexane	25.0	24.3		ug/L		97	59 - 135
Dichlorodifluoromethane	25.0	25.4		ug/L		102	59 - 135
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
Isopropylbenzene	25.0	26.9		ug/L		107	77 - 122
Methyl acetate	50.0	50.6		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylcyclohexane	25.0	25.0		ug/L		100	68 - 134
Methylene Chloride	25.0	24.9		ug/L		100	75 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-419062/6
Matrix: Water
Analysis Batch: 419062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	25.0	26.6		ug/L		106	74 - 122
Toluene	25.0	25.9		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	25.6		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	24.6		ug/L		98	62 - 150
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: MB 480-419064/7
Matrix: Water
Analysis Batch: 419064

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/11/18 23:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/11/18 23:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/11/18 23:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/11/18 23:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/11/18 23:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/11/18 23:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/11/18 23:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/11/18 23:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/11/18 23:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/11/18 23:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/11/18 23:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/11/18 23:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/11/18 23:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/11/18 23:32	1
2-Hexanone	ND		5.0	1.2	ug/L			06/11/18 23:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/11/18 23:32	1
Acetone	ND		10	3.0	ug/L			06/11/18 23:32	1
Benzene	ND		1.0	0.41	ug/L			06/11/18 23:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/11/18 23:32	1
Bromoform	ND		1.0	0.26	ug/L			06/11/18 23:32	1
Bromomethane	ND		1.0	0.69	ug/L			06/11/18 23:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/11/18 23:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/11/18 23:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/11/18 23:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/11/18 23:32	1
Chloroethane	ND		1.0	0.32	ug/L			06/11/18 23:32	1
Chloroform	ND		1.0	0.34	ug/L			06/11/18 23:32	1
Chloromethane	ND		1.0	0.35	ug/L			06/11/18 23:32	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-419064/7
Matrix: Water
Analysis Batch: 419064

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/11/18 23:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/11/18 23:32	1
Cyclohexane	ND		1.0	0.18	ug/L			06/11/18 23:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/11/18 23:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/11/18 23:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/11/18 23:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/11/18 23:32	1
Methyl acetate	ND		2.5	1.3	ug/L			06/11/18 23:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/11/18 23:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/11/18 23:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/11/18 23:32	1
Styrene	ND		1.0	0.73	ug/L			06/11/18 23:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/11/18 23:32	1
Toluene	ND		1.0	0.51	ug/L			06/11/18 23:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/11/18 23:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/11/18 23:32	1
Trichloroethene	ND		1.0	0.46	ug/L			06/11/18 23:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/11/18 23:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/11/18 23:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/11/18 23:32	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*06/11/18 23:32*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/11/18 23:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*06/11/18 23:32*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*06/11/18 23:32*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*06/11/18 23:32*	*1*

Lab Sample ID: LCS 480-419064/5
Matrix: Water
Analysis Batch: 419064

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	20.5		ug/L		82	76 - 120
1,1,2-Trichloroethane	25.0	22.0		ug/L		88	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.1		ug/L		84	61 - 148
1,1-Dichloroethane	25.0	22.8		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	21.3		ug/L		85	66 - 127
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.4		ug/L		82	56 - 134
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-419064/5
Matrix: Water
Analysis Batch: 419064

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 120
2-Butanone (MEK)	125	125		ug/L		100	57 - 140
2-Hexanone	125	123		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	164		ug/L		131	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	18.6		ug/L		74	55 - 144
Carbon disulfide	25.0	22.7		ug/L		91	59 - 134
Carbon tetrachloride	25.0	26.0		ug/L		104	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	80 - 120
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Chloroethane	25.0	20.1		ug/L		80	69 - 136
Chloroform	25.0	22.6		ug/L		91	73 - 127
Chloromethane	25.0	17.8		ug/L		71	68 - 124
cis-1,2-Dichloroethene	25.0	22.3		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
Cyclohexane	25.0	24.2		ug/L		97	59 - 135
Dichlorodifluoromethane	25.0	27.6		ug/L		110	59 - 135
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
Isopropylbenzene	25.0	25.1		ug/L		101	77 - 122
Methyl acetate	50.0	44.8		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		93	77 - 120
Methylcyclohexane	25.0	23.7		ug/L		95	68 - 134
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	22.6		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	22.7		ug/L		91	62 - 150
Vinyl chloride	25.0	16.8		ug/L		67	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Lab Sample ID: MB 480-419079/7
Matrix: Water
Analysis Batch: 419079

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/18 10:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-419079/7
Matrix: Water
Analysis Batch: 419079

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/18 10:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/18 10:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/18 10:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/18 10:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/18 10:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/18 10:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/18 10:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/18 10:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/18 10:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/18 10:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/18 10:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/18 10:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/18 10:00	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/18 10:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/18 10:00	1
Acetone	ND		10	3.0	ug/L			06/12/18 10:00	1
Benzene	ND		1.0	0.41	ug/L			06/12/18 10:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/18 10:00	1
Bromoform	ND		1.0	0.26	ug/L			06/12/18 10:00	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/18 10:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/18 10:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/18 10:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/18 10:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/18 10:00	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/18 10:00	1
Chloroform	ND		1.0	0.34	ug/L			06/12/18 10:00	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/18 10:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/18 10:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/18 10:00	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/18 10:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/18 10:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/18 10:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/18 10:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/18 10:00	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/18 10:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/18 10:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/18 10:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/18 10:00	1
Styrene	ND		1.0	0.73	ug/L			06/12/18 10:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/18 10:00	1
Toluene	ND		1.0	0.51	ug/L			06/12/18 10:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/18 10:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/18 10:00	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/18 10:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/18 10:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/18 10:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/18 10:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-419079/7
Matrix: Water
Analysis Batch: 419079

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 10:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		06/12/18 10:00	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		06/12/18 10:00	1
4-Bromofluorobenzene (Surr)	108		73 - 120		06/12/18 10:00	1
Dibromofluoromethane (Surr)	112		75 - 123		06/12/18 10:00	1

Lab Sample ID: LCS 480-419079/5
Matrix: Water
Analysis Batch: 419079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	21.8		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	25.0		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.6		ug/L		87	61 - 148
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	22.3		ug/L		89	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.1		ug/L		108	56 - 134
1,2-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120
1,3-Dichlorobenzene	25.0	22.7		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
2-Hexanone	125	128		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		95	71 - 125
Acetone	125	123		ug/L		99	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122
Bromoform	25.0	28.3		ug/L		113	61 - 132
Bromomethane	25.0	21.2		ug/L		85	55 - 144
Carbon disulfide	25.0	26.2		ug/L		105	59 - 134
Carbon tetrachloride	25.0	23.9		ug/L		96	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Chloroethane	25.0	17.3		ug/L		69	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	21.4		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	23.7		ug/L		95	74 - 124
Cyclohexane	25.0	19.8		ug/L		79	59 - 135
Dichlorodifluoromethane	25.0	25.9		ug/L		103	59 - 135
Ethylbenzene	25.0	22.3		ug/L		89	77 - 123
1,2-Dibromoethane	25.0	26.3		ug/L		105	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-419079/5
Matrix: Water
Analysis Batch: 419079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	25.0	21.8		ug/L		87	77 - 122
Methyl acetate	50.0	50.5		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	21.4		ug/L		86	68 - 134
Methylene Chloride	25.0	25.4		ug/L		101	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.1		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	23.6		ug/L		94	80 - 120
Trichloroethene	25.0	23.4		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	23.7		ug/L		95	62 - 150
Vinyl chloride	25.0	22.4		ug/L		90	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*111*		*75 - 123*

Lab Sample ID: 480-137150-6 MS
Matrix: Water
Analysis Batch: 419079

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	89.9		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	95.5		ug/L		96	76 - 120
1,1,2-Trichloroethane	ND		100	99.7		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	100	54.3	F1	ug/L		54	61 - 148
1,1-Dichloroethane	ND		100	95.7		ug/L		96	77 - 120
1,1-Dichloroethene	ND	F2	100	66.0		ug/L		66	66 - 127
1,2,4-Trichlorobenzene	ND		100	85.2		ug/L		85	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100	101		ug/L		101	56 - 134
1,2-Dichlorobenzene	ND		100	90.1		ug/L		90	80 - 124
1,2-Dichloroethane	ND		100	99.7		ug/L		100	75 - 120
1,2-Dichloropropane	ND		100	99.3		ug/L		99	76 - 120
1,3-Dichlorobenzene	ND		100	90.2		ug/L		90	77 - 120
1,4-Dichlorobenzene	ND		100	90.8		ug/L		91	78 - 124
2-Butanone (MEK)	ND		500	471		ug/L		94	57 - 140
2-Hexanone	ND		500	491		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500	481		ug/L		96	71 - 125
Acetone	12	J F1 F2	500	258	F1	ug/L		52	56 - 142
Benzene	ND		100	92.1		ug/L		92	71 - 124
Bromodichloromethane	ND		100	96.1		ug/L		96	80 - 122
Bromoform	ND		100	115		ug/L		115	61 - 132
Bromomethane	ND		100	87.7		ug/L		88	55 - 144
Carbon disulfide	ND	F2	100	64.0		ug/L		64	59 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-137150-6 MS
Matrix: Water
Analysis Batch: 419079

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	ND		100	91.9		ug/L		92	72 - 134
Chlorobenzene	ND		100	97.6		ug/L		98	80 - 120
Dibromochloromethane	ND		100	110		ug/L		110	75 - 125
Chloroethane	ND	F1 F2	100	63.5	F1	ug/L		64	69 - 136
Chloroform	ND		100	95.9		ug/L		96	73 - 127
Chloromethane	ND		100	86.9		ug/L		87	68 - 124
cis-1,2-Dichloroethene	160	F1	100	227	F1	ug/L		70	74 - 124
cis-1,3-Dichloropropene	ND		100	85.6		ug/L		86	74 - 124
Cyclohexane	ND		100	82.3		ug/L		82	59 - 135
Dichlorodifluoromethane	ND		100	98.4		ug/L		98	59 - 135
Ethylbenzene	ND		100	90.9		ug/L		91	77 - 123
1,2-Dibromoethane	ND		100	107		ug/L		107	77 - 120
Isopropylbenzene	ND		100	83.2		ug/L		83	77 - 122
Methyl acetate	ND	F1 F2	200	106	F1	ug/L		53	74 - 133
Methyl tert-butyl ether	ND	F1 F2	100	65.5	F1	ug/L		65	77 - 120
Methylcyclohexane	ND		100	84.1		ug/L		84	68 - 134
Methylene Chloride	ND	F1 F2	100	66.4	F1	ug/L		66	75 - 124
Styrene	ND		100	93.0		ug/L		93	80 - 120
Tetrachloroethene	ND		100	99.2		ug/L		99	74 - 122
Toluene	ND		100	94.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	ND	F1 F2	100	62.6	F1	ug/L		63	73 - 127
trans-1,3-Dichloropropene	ND		100	87.2		ug/L		87	80 - 120
Trichloroethene	ND		100	94.1		ug/L		94	74 - 123
Trichlorofluoromethane	ND	F2	100	62.6		ug/L		63	62 - 150
Vinyl chloride	220	F1	100	264	F1	ug/L		49	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*109*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Lab Sample ID: 480-137150-6 MSD
Matrix: Water
Analysis Batch: 419079

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	93.2		ug/L		93	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		100	100		ug/L		100	76 - 120	5	15
1,1,2-Trichloroethane	ND		100	102		ug/L		102	76 - 122	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	100	88.6	F2	ug/L		89	61 - 148	48	20
1,1-Dichloroethane	ND		100	101		ug/L		101	77 - 120	6	20
1,1-Dichloroethene	ND	F2	100	114	F2	ug/L		114	66 - 127	53	16
1,2,4-Trichlorobenzene	ND		100	88.5		ug/L		88	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		100	102		ug/L		102	56 - 134	1	15
1,2-Dichlorobenzene	ND		100	95.2		ug/L		95	80 - 124	6	20
1,2-Dichloroethane	ND		100	104		ug/L		104	75 - 120	4	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-137150-6 MSD
Matrix: Water
Analysis Batch: 419079

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		100	103		ug/L		103	76 - 120	3	20
1,3-Dichlorobenzene	ND		100	93.9		ug/L		94	77 - 120	4	20
1,4-Dichlorobenzene	ND		100	97.1		ug/L		97	78 - 124	7	20
2-Butanone (MEK)	ND		500	493		ug/L		99	57 - 140	5	20
2-Hexanone	ND		500	491		ug/L		98	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		500	473		ug/L		95	71 - 125	2	35
Acetone	12	J F1 F2	500	482	F2	ug/L		96	56 - 142	60	15
Benzene	ND		100	97.2		ug/L		97	71 - 124	5	13
Bromodichloromethane	ND		100	101		ug/L		101	80 - 122	5	15
Bromoform	ND		100	113		ug/L		113	61 - 132	2	15
Bromomethane	ND		100	94.0		ug/L		94	55 - 144	7	15
Carbon disulfide	ND	F2	100	108	F2	ug/L		108	59 - 134	51	15
Carbon tetrachloride	ND		100	97.5		ug/L		97	72 - 134	6	15
Chlorobenzene	ND		100	97.7		ug/L		98	80 - 120	0	25
Dibromochloromethane	ND		100	110		ug/L		110	75 - 125	1	15
Chloroethane	ND	F1 F2	100	76.7	F2	ug/L		77	69 - 136	19	15
Chloroform	ND		100	104		ug/L		104	73 - 127	8	20
Chloromethane	ND		100	88.0		ug/L		88	68 - 124	1	15
cis-1,2-Dichloroethene	160	F1	100	239		ug/L		82	74 - 124	5	15
cis-1,3-Dichloropropene	ND		100	91.8		ug/L		92	74 - 124	7	15
Cyclohexane	ND		100	89.3		ug/L		89	59 - 135	8	20
Dichlorodifluoromethane	ND		100	108		ug/L		108	59 - 135	9	20
Ethylbenzene	ND		100	92.2		ug/L		92	77 - 123	1	15
1,2-Dibromoethane	ND		100	104		ug/L		104	77 - 120	3	15
Isopropylbenzene	ND		100	86.3		ug/L		86	77 - 122	4	20
Methyl acetate	ND	F1 F2	200	214	F2	ug/L		107	74 - 133	67	20
Methyl tert-butyl ether	ND	F1 F2	100	99.5	F2	ug/L		100	77 - 120	41	37
Methylcyclohexane	ND		100	93.2		ug/L		93	68 - 134	10	20
Methylene Chloride	ND	F1 F2	100	103	F2	ug/L		103	75 - 124	43	15
Styrene	ND		100	95.3		ug/L		95	80 - 120	2	20
Tetrachloroethene	ND		100	102		ug/L		102	74 - 122	3	20
Toluene	ND		100	97.6		ug/L		98	80 - 122	3	15
trans-1,2-Dichloroethene	ND	F1 F2	100	103	F2	ug/L		103	73 - 127	49	20
trans-1,3-Dichloropropene	ND		100	88.4		ug/L		88	80 - 120	1	15
Trichloroethene	ND		100	99.8		ug/L		100	74 - 123	6	16
Trichlorofluoromethane	ND	F2	100	90.6	F2	ug/L		91	62 - 150	37	20
Vinyl chloride	220	F1	100	269	F1	ug/L		54	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*116*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-419241/7
Matrix: Water
Analysis Batch: 419241

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/12/18 23:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/12/18 23:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/12/18 23:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/12/18 23:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/12/18 23:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/12/18 23:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/12/18 23:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/12/18 23:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/12/18 23:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/12/18 23:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/12/18 23:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/12/18 23:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/12/18 23:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/12/18 23:04	1
2-Hexanone	ND		5.0	1.2	ug/L			06/12/18 23:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/12/18 23:04	1
Acetone	ND		10	3.0	ug/L			06/12/18 23:04	1
Benzene	ND		1.0	0.41	ug/L			06/12/18 23:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/12/18 23:04	1
Bromoform	ND		1.0	0.26	ug/L			06/12/18 23:04	1
Bromomethane	ND		1.0	0.69	ug/L			06/12/18 23:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/12/18 23:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/12/18 23:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/12/18 23:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/12/18 23:04	1
Chloroethane	ND		1.0	0.32	ug/L			06/12/18 23:04	1
Chloroform	ND		1.0	0.34	ug/L			06/12/18 23:04	1
Chloromethane	ND		1.0	0.35	ug/L			06/12/18 23:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/12/18 23:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/12/18 23:04	1
Cyclohexane	ND		1.0	0.18	ug/L			06/12/18 23:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/12/18 23:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/12/18 23:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/12/18 23:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/12/18 23:04	1
Methyl acetate	ND		2.5	1.3	ug/L			06/12/18 23:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/12/18 23:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/12/18 23:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/12/18 23:04	1
Styrene	ND		1.0	0.73	ug/L			06/12/18 23:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/12/18 23:04	1
Toluene	ND		1.0	0.51	ug/L			06/12/18 23:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/12/18 23:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/12/18 23:04	1
Trichloroethene	ND		1.0	0.46	ug/L			06/12/18 23:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/12/18 23:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/12/18 23:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/12/18 23:04	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					06/12/18 23:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		06/12/18 23:04	1
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		06/12/18 23:04	1
4-Bromofluorobenzene (Surr)	111		73 - 120		06/12/18 23:04	1
Dibromofluoromethane (Surr)	114		75 - 123		06/12/18 23:04	1

Lab Sample ID: LCS 480-419241/4
Matrix: Water
Analysis Batch: 419241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.6		ug/L		106	61 - 148
1,1-Dichloroethane	25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	28.0		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.9		ug/L		108	56 - 134
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	28.2		ug/L		113	75 - 120
1,2-Dichloropropane	25.0	27.6		ug/L		111	76 - 120
1,3-Dichlorobenzene	25.0	25.4		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	125	145		ug/L		116	57 - 140
2-Hexanone	125	139		ug/L		111	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	169		ug/L		135	56 - 142
Benzene	25.0	26.6		ug/L		106	71 - 124
Bromodichloromethane	25.0	27.9		ug/L		112	80 - 122
Bromoform	25.0	31.3		ug/L		125	61 - 132
Bromomethane	25.0	26.1		ug/L		105	55 - 144
Carbon disulfide	25.0	32.0		ug/L		128	59 - 134
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134
Chlorobenzene	25.0	27.2		ug/L		109	80 - 120
Dibromochloromethane	25.0	30.5		ug/L		122	75 - 125
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	26.9		ug/L		107	73 - 127
Chloromethane	25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Cyclohexane	25.0	23.1		ug/L		92	59 - 135
Dichlorodifluoromethane	25.0	27.9		ug/L		112	59 - 135
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	29.5		ug/L		118	77 - 120
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl acetate	50.0	55.0		ug/L		110	74 - 133
Methyl tert-butyl ether	25.0	26.4		ug/L		106	77 - 120
Methylcyclohexane	25.0	26.5		ug/L		106	68 - 134
Methylene Chloride	25.0	30.2		ug/L		121	75 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-419241/4
Matrix: Water
Analysis Batch: 419241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	26.8		ug/L		107	80 - 120
Tetrachloroethene	25.0	29.4		ug/L		118	74 - 122
Toluene	25.0	26.8		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	27.1		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	80 - 120
Trichloroethene	25.0	27.6		ug/L		110	74 - 123
Trichlorofluoromethane	25.0	21.1		ug/L		84	62 - 150
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*
Dibromofluoromethane (Surr)	*114*		*75 - 123*

QC Association Summary

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

GC/MS VOA

Analysis Batch: 419062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-137150-2	DP-23	Total/NA	Water	8260C	
480-137150-3	DP-27	Total/NA	Water	8260C	
480-137150-4	DP-28	Total/NA	Water	8260C	
MB 480-419062/8	Method Blank	Total/NA	Water	8260C	
LCS 480-419062/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 419064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-137150-5	MW-11	Total/NA	Water	8260C	
480-137150-8	TRIP BLANK	Total/NA	Water	8260C	
MB 480-419064/7	Method Blank	Total/NA	Water	8260C	
LCS 480-419064/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 419079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-137150-1	DP-22	Total/NA	Water	8260C	
480-137150-6	MW-12	Total/NA	Water	8260C	
MB 480-419079/7	Method Blank	Total/NA	Water	8260C	
LCS 480-419079/5	Lab Control Sample	Total/NA	Water	8260C	
480-137150-6 MS	MW-12	Total/NA	Water	8260C	
480-137150-6 MSD	MW-12	Total/NA	Water	8260C	

Analysis Batch: 419241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-137150-7	BLIND DUPLICATE	Total/NA	Water	8260C	
MB 480-419241/7	Method Blank	Total/NA	Water	8260C	
LCS 480-419241/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Client Sample ID: DP-22
Date Collected: 06/06/18 10:36
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	419079	06/12/18 10:35	KMN	TAL BUF

Client Sample ID: DP-23
Date Collected: 06/06/18 11:16
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	419062	06/12/18 07:50	NMC	TAL BUF

Client Sample ID: DP-27
Date Collected: 06/06/18 10:00
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	419062	06/12/18 08:17	NMC	TAL BUF

Client Sample ID: DP-28
Date Collected: 06/06/18 12:05
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	419062	06/12/18 08:45	NMC	TAL BUF

Client Sample ID: MW-11
Date Collected: 06/06/18 12:50
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	419064	06/12/18 05:20	AMM	TAL BUF

Client Sample ID: MW-12
Date Collected: 06/06/18 11:10
Date Received: 06/08/18 09:50

Lab Sample ID: 480-137150-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	419079	06/12/18 10:58	KMN	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Client Sample ID: BLIND DUPLICATE

Lab Sample ID: 480-137150-7

Date Collected: 06/06/18 00:00
Matrix: Water
Date Received: 06/08/18 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	419241	06/13/18 05:40	AMM	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-137150-8

Date Collected: 06/06/18 08:30
Matrix: Water
Date Received: 06/08/18 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	419064	06/12/18 05:47	AMM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Offsite Carraige Cleaners #C8281131A

TestAmerica Job ID: 480-137150-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-137150-1	DP-22	Water	06/06/18 10:36	06/08/18 09:50
480-137150-2	DP-23	Water	06/06/18 11:16	06/08/18 09:50
480-137150-3	DP-27	Water	06/06/18 10:00	06/08/18 09:50
480-137150-4	DP-28	Water	06/06/18 12:05	06/08/18 09:50
480-137150-5	MW-11	Water	06/06/18 12:50	06/08/18 09:50
480-137150-6	MW-12	Water	06/06/18 11:10	06/08/18 09:50
480-137150-7	BLIND DUPLICATE	Water	06/06/18 00:00	06/08/18 09:50
480-137150-8	TRIP BLANK	Water	06/06/18 08:30	06/08/18 09:50

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

242696

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TestAmerica

480-137150 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Eric Hausamann	Site Contact: Eric Detweiler	Date: 6/7/18	COC No: 24
Company Name: NYSDEC	Tel/Fax: (585) 226-2466	Lab Contact: Orlette Johnson	Carrier: FedEx	1 of 1
Address: 6274 E. Avon Lima Rd	Analysis Turnaround Time			Sampler: E. Detweiler
City/State/Zip: Avon, NY 14414	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: (585) 226-2466	TAT if different from Below 10 DAY			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: OFF Site former Carriage Cleaners	☐ 1 week			
Site: OFF SITE - Former Carriage Cleaners	☐ 2 days			Job / SDG No.:
PO # : Groundwater Sampling	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs + TICs	Sample Specific Notes:
DP-22	6/6/18	10:36	Grab	water	2	N	N	X	
DP-23		11:16			2	N	N	X	
DP-27		10:00			3	N	N	X	
DP-28		12:05			3	N	N	X	
MW-11		12:50			2	N	N	X	
MW-12		11:10			3	N	Y	X	includes MS/MSD
Blind Duplicate (ED)					1	N	N	X	
Trip Blank		8:30			1	N	N	X	
								2	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
* include results to edetweiler@labellapc.com
eric.hausamann@dec.ny.gov
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: NYSDEC Equis EDD; Category A deliverables
(ED) * low-volume PDB samplers used for sample collection therefore limited sample volume for some samples (MW-12, Blind Dup)

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: | Corr'd: | Therm ID No.:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Eric Detweiler	LaBella	6/7/18 16:40	Cwalbert	TAB	6/8/18 0950
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

#12,17

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-137150-1

Login Number: 137150
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYS DEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-160548-1
Client Project/Site: Offsite Carriage Cleaners #C8281131A

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Mr. Eric Hausamann

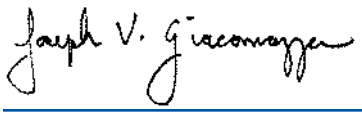
Joseph V. Giacomazza

Authorized for release by:
7/19/2018 3:52:59 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
7/19/2018 3:52:59 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Job ID: 460-160548-1

Laboratory: TestAmerica Edison

Narrative

Job Narrative
460-160548-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2018 11:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0º C.

Receipt Exceptions
The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No container totals recorded on the COC.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 460-160548-1

No Detections.

Client Sample ID: MW-12 — Lab Sample ID: 460-160548-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.25	J	0.40	0.20	ug/L	1		8260C SIM	Total/NA

Client Sample ID: ERB-1 — Lab Sample ID: 460-160548-3

No Detections.

Client Sample ID: DP-23 — Lab Sample ID: 460-160548-4

No Detections.

Client Sample ID: MW-11 — Lab Sample ID: 460-160548-5

No Detections.

Client Sample ID: DP-28 — Lab Sample ID: 460-160548-6

No Detections.

Client Sample ID: Blind Duplicate — Lab Sample ID: 460-160548-7

No Detections.

Client Sample ID: DP-10 — Lab Sample ID: 460-160548-8

No Detections.

Client Sample ID: DP-15 — Lab Sample ID: 460-160548-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: TRIP BLANK
Lab Sample ID: 460-160548-1
Date Collected: 07/12/18 10:00
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*72 - 133*		*07/18/18 10:14*	*1*

Client Sample ID: MW-12
Lab Sample ID: 460-160548-2
Date Collected: 07/12/18 13:10
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.25**	**J**	0.40	0.20	ug/L			07/18/18 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 133*		*07/18/18 12:34*	*1*

Client Sample ID: ERB-1
Lab Sample ID: 460-160548-3
Date Collected: 07/12/18 13:30
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 133*		*07/18/18 12:58*	*1*

Client Sample ID: DP-23
Lab Sample ID: 460-160548-4
Date Collected: 07/12/18 14:45
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 133*		*07/18/18 13:21*	*1*

Client Sample ID: MW-11
Lab Sample ID: 460-160548-5
Date Collected: 07/12/18 17:00
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*72 - 133*		*07/18/18 10:37*	*1*

Client Sample ID: DP-28

Lab Sample ID: 460-160548-6
Date Collected: 07/12/18 18:50
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 11:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*72 - 133*		*07/18/18 11:01*	*1*

Client Sample ID: Blind Duplicate

Lab Sample ID: 460-160548-7
Date Collected: 07/12/18 00:00
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*72 - 133*		*07/18/18 11:24*	*1*

Client Sample ID: DP-10

Lab Sample ID: 460-160548-8
Date Collected: 07/13/18 15:05
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*72 - 133*		*07/18/18 11:48*	*1*

Client Sample ID: DP-15

Lab Sample ID: 460-160548-9
Date Collected: 07/13/18 16:15
Matrix: Water
Date Received: 07/14/18 11:25

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*74*		*72 - 133*		*07/18/18 12:11*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	BFB (72-133)							
460-160548-1	TRIP BLANK	88							
460-160548-2	MW-12	86							
460-160548-3	ERB-1	92							
460-160548-4	DP-23	86							
460-160548-5	MW-11	88							
460-160548-5 MS	MW-11	89							
460-160548-5 MSD	MW-11	86							
460-160548-6	DP-28	87							
460-160548-7	Blind Duplicate	86							
460-160548-8	DP-10	93							
460-160548-9	DP-15	74							
LCS 460-537461/3	Lab Control Sample	95							
MB 460-537461/8	Method Blank	82							

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: 8260C SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-537461/8
Matrix: Water
Analysis Batch: 537461

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			07/18/18 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*72 - 133*		*07/18/18 09:51*	*1*

Lab Sample ID: LCS 460-537461/3
Matrix: Water
Analysis Batch: 537461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			5.00	5.53		ug/L		111	66 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*72 - 133*

Lab Sample ID: 460-160548-5 MS
Matrix: Water
Analysis Batch: 537461

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	ND		5.00	5.72		ug/L		114	66 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*72 - 133*

Lab Sample ID: 460-160548-5 MSD
Matrix: Water
Analysis Batch: 537461

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	ND		5.00	5.41		ug/L		108	66 - 135	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*86*		*72 - 133*

QC Association Summary

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

GC/MS VOA

Analysis Batch: 537461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-160548-1	TRIP BLANK	Total/NA	Water	8260C SIM	
460-160548-2	MW-12	Total/NA	Water	8260C SIM	
460-160548-3	ERB-1	Total/NA	Water	8260C SIM	
460-160548-4	DP-23	Total/NA	Water	8260C SIM	
460-160548-5	MW-11	Total/NA	Water	8260C SIM	
460-160548-6	DP-28	Total/NA	Water	8260C SIM	
460-160548-7	Blind Duplicate	Total/NA	Water	8260C SIM	
460-160548-8	DP-10	Total/NA	Water	8260C SIM	
460-160548-9	DP-15	Total/NA	Water	8260C SIM	
MB 460-537461/8	Method Blank	Total/NA	Water	8260C SIM	
LCS 460-537461/3	Lab Control Sample	Total/NA	Water	8260C SIM	
460-160548-5 MS	MW-11	Total/NA	Water	8260C SIM	
460-160548-5 MSD	MW-11	Total/NA	Water	8260C SIM	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Client Sample ID: TRIP BLANK
Lab Sample ID: 460-160548-1
Date Collected: 07/12/18 10:00
Matrix: Water
Date Received: 07/14/18 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 10:14	DAS	TAL EDI

Client Sample ID: MW-12
Lab Sample ID: 460-160548-2
Date Collected: 07/12/18 13:10
Matrix: Water
Date Received: 07/14/18 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 12:34	DAS	TAL EDI

Client Sample ID: ERB-1
Lab Sample ID: 460-160548-3
Date Collected: 07/12/18 13:30
Matrix: Water
Date Received: 07/14/18 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 12:58	DAS	TAL EDI

Client Sample ID: DP-23
Lab Sample ID: 460-160548-4
Date Collected: 07/12/18 14:45
Matrix: Water
Date Received: 07/14/18 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 13:21	DAS	TAL EDI

Client Sample ID: MW-11
Lab Sample ID: 460-160548-5
Date Collected: 07/12/18 17:00
Matrix: Water
Date Received: 07/14/18 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 10:37	DAS	TAL EDI

Client Sample ID: DP-28
Lab Sample ID: 460-160548-6
Date Collected: 07/12/18 18:50
Matrix: Water
Date Received: 07/14/18 11:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 11:01	DAS	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Client Sample ID: Blind Duplicate

Lab Sample ID: 460-160548-7

Date Collected: 07/12/18 00:00
Date Received: 07/14/18 11:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 11:24	DAS	TAL EDI

Client Sample ID: DP-10

Lab Sample ID: 460-160548-8

Date Collected: 07/13/18 15:05
Date Received: 07/14/18 11:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 11:48	DAS	TAL EDI

Client Sample ID: DP-15

Lab Sample ID: 460-160548-9

Date Collected: 07/13/18 16:15
Date Received: 07/14/18 11:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	537461	07/18/18 12:11	DAS	TAL EDI

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Laboratory: TestAmerica Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-18
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-18
New Jersey	NELAP	2	12028	06-30-19
New York	NELAP	2	11452	04-01-19
Pennsylvania	NELAP	3	68-00522	02-28-19
Rhode Island	State Program	1	LAO00132	12-30-18
USDA	Federal		NJCA-003-08	06-13-20

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Method Summary

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Method	Method Description	Protocol	Laboratory
8260C SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 460-160548-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-160548-1	TRIP BLANK	Water	07/12/18 10:00	07/14/18 11:25
460-160548-2	MW-12	Water	07/12/18 13:10	07/14/18 11:25
460-160548-3	ERB-1	Water	07/12/18 13:30	07/14/18 11:25
460-160548-4	DP-23	Water	07/12/18 14:45	07/14/18 11:25
460-160548-5	MW-11	Water	07/12/18 17:00	07/14/18 11:25
460-160548-6	DP-28	Water	07/12/18 18:50	07/14/18 11:25
460-160548-7	Blind Duplicate	Water	07/12/18 00:00	07/14/18 11:25
460-160548-8	DP-10	Water	07/13/18 15:05	07/14/18 11:25
460-160548-9	DP-15	Water	07/13/18 16:15	07/14/18 11:25

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

7/19/2018

Client Information	Sampler: E. Detweiler	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-115564-26727.1
Client Contact: ~~Mr. Eric Hausamann~~ Christine Sobol	Phone: (585) 278-8202	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: ~~New York State D.E.C.~~ LaBella Associates		Analysis Requested		Job #: 2161937.023
Address: ~~625 Broadway, 12th Floor~~ 300 State St.	Due Date Requested:			Preservation Codes:
City: ~~Albany~~ Rochester	TAT Requested (days): 10 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: ~~NY, 12233-7017~~ NY 14614				
Phone: ~~518-402(Tel)~~ (585) 454-6110	PO #: CallOut ID 121572			Other:
Email: ~~eric.hausamann@dec.ny.gov~~ csobol@labellapc.com	WO #:			
Project Name: Offsite Carraige Cleaners #C8281131A	Project #: 48014610			
Site:	SSOW#:			

460-160548 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C_SIM - (MOD) Volatile SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		160548
TRIP BLANK	7/12/18	10:00	G	Water	N	N	X		-1
MW-12	7/12/18	13:10	G	Water	N	N	X		-2
ERB-1	7/12/18	13:30	G	Water	N	N	X		-3
DP-23	7/12/18	14:45	G	Water	N	N	X		-4
MW-11 MS/MSD	7/12/18	17:00	G	Water	N	Y	X		includes MS/MSD -5
DP-28	7/12/18	18:50	G	Water	N	N	X		-6
Blind Duplicate	7/12/18		G	Water	N	N	X		-7
DP-10	7/13/18	15:05	G	Water	N	N	X		-8
DP-15	7/13/18	16:15	G	Water	N	N	X		-9

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Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) EQuIS EDD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Eric Detweiler	7/13/18 17:15	LaBella	RTL	7-14-18 1125	TAEDI
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: 277174

Cooler Temperature(s) °C and Other Remarks: IR IFII 4.0

FEDEX

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 160548

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.6 °C	4.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 7/16/18

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-160548-1

Login Number: 160548 **List Source: TestAmerica Edison**
List Number: 1
Creator: Lysy, Susan

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	277174
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to job narrative for details
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	No: Headspace larger than ¼” in 1 or more vial; at least one vial w/o headspace.
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-44343-1
Client Project/Site: Offsite Carriage Cleaners #C8281131A

For:
LaBella Associates DPC
300 State Street
Suite 201
Rochester, New York 14614

Attn: Christie Sobol

Joseph V. Giacomazza

Authorized for release by:
8/17/2018 9:56:10 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
*	Isotope Dilution analyte is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 200-44343-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-44343-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2018 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8º C.

LCMS
Method(s) 3535: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: MW-11 (200-44343-5), MW-11 (200-44343-5[MS]) and MW-11 (200-44343-5[MSD]). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: DP-28 (200-44343-6) and DP-10 (200-44343-8). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method(s) 537 (modified): The Isotope Dilution Analyte (IDA) 13C4 PFBA recovery associated with the following sample is below the method recommended limit: DP-10 (200-44343-8). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s). All detection limits are below the lower calibration.

Method(s) 537 (modified): This CCV serves as a low level continuing calibration verification (CCVL) for 6:2 FTS and 8:2 FTS associated with batch 200-132560 recovered above the upper control limit for a CCV, but within the limits of a CCVL; therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 200-44343-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.86	J	1.7	0.64	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.63	J	1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.67	J	1.7	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorotridecanoic Acid (PFTriA)	0.75	J	1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.30	J B	1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.46	J	1.7	0.46	ng/L	1		537 (modified)	Total/NA
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	0.71	J B	17	0.60	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 200-44343-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.2	B	1.6	0.32	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.8		1.6	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.91	J B	1.6	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.43	J	1.6	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.26	J B	1.6	0.25	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.24	J	1.6	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.75	J	1.6	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.88	J B	1.6	0.20	ng/L	1		537 (modified)	Total/NA

Client Sample ID: ERB-1 — Lab Sample ID: 200-44343-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroundecanoic acid (PFUnA)	0.26	J	1.6	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.32	J B	1.6	0.21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DP-23 — Lab Sample ID: 200-44343-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.9	B	1.7	0.35	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.4	J	1.7	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.2	J B	1.7	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.88	J	1.7	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J B	1.7	0.27	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.23	J	1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.5	J	1.7	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.59	J B	1.7	0.22	ng/L	1		537 (modified)	Total/NA
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	0.54	J	17	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 200-44343-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.9	B	2.0	0.41	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.3		2.0	0.75	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.90	J B	2.0	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.60	J	2.0	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.55	J B	2.0	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.1		2.0	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.90	J B	2.0	0.26	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Client Sample ID: DP-28 — Lab Sample ID: 200-44343-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	13	B	1.6	0.34	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	6.9		1.6	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.5	B	1.6	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.0		1.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.1	B	1.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.28	J	1.6	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.9		1.6	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J B	1.6	0.21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: BLIND DUPLICATE-2 — Lab Sample ID: 200-44343-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.7	B	1.6	0.33	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.8		1.6	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.1	J B	1.6	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.44	J	1.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.48	J B	1.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.6	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.95	J B	1.6	0.21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DP-10 — Lab Sample ID: 200-44343-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14	B	1.7	0.34	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	16		1.7	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	18	B	1.7	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.7		1.7	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	25	B	1.7	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.7		1.7	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.3		1.7	0.32	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.30	J	1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.32	J	1.7	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	13		1.7	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.6	B	1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	1.1	J	1.7	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	78		1.7	0.63	ng/L	1		537 (modified)	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	0.94	J B	17	0.83	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DP-15 — Lab Sample ID: 200-44343-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.2	B	1.6	0.33	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	5.0		1.6	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.5	B	1.6	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.8		1.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.7	B	1.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.58	J	1.6	0.30	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.35	J	1.6	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.7		1.6	0.35	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DP-15 (Continued)

Lab Sample ID: 200-44343-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	1.8	B	1.6	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.7		1.6	0.61	ng/L	1		537 (modified)	Total/NA
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2.1	J B	16	0.56	ng/L	1		537 (modified)	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.9	J B	16	0.80	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TRIP BLANK

Date Collected: 07/12/18 10:00
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-1

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.7	0.35	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluoropentanoic acid (PFPeA)	**0.86**	**J**	1.7	0.64	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.21	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.27	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.27	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.33	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.33	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluoroundecanoic acid (PFUnA)	**0.63**	**J**	1.7	0.21	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorododecanoic acid (PFDoA)	**0.67**	**J**	1.7	0.30	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorotridecanoic Acid (PFTriA)	**0.75**	**J**	1.7	0.21	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.39	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.38	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorohexanesulfonic acid (PFHxS)	**0.30**	**J B**	1.7	0.22	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.70	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.65	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorodecanesulfonic acid (PFDS)	**0.46**	**J**	1.7	0.46	ng/L		07/25/18 11:15	08/07/18 00:20	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.7	0.48	ng/L		07/25/18 11:15	08/07/18 00:20	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		17	0.39	ng/L		07/25/18 11:15	08/07/18 00:20	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	**0.71**	**J B**	17	0.60	ng/L		07/25/18 11:15	08/07/18 00:20	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		17	0.86	ng/L		07/25/18 11:15	08/07/18 00:20	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		17	0.48	ng/L		07/25/18 11:15	08/07/18 00:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*93*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C4-PFHpA	*100*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C4 PFOA	*104*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C4 PFOS	*86*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C5 PFNA	*97*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C4 PFBA	*92*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C2 PFHxA	*103*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C2 PFUnA	*106*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C2 PFDoA	*84*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C8 FOSA	*50*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C5-PFPeA	*96*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C2-PFTeDA	*68*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
M2-6:2FTS	*105*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
M2-8:2FTS	*91*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*
13C3-PFBS	*89*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:20*	*1*

Client Sample ID: MW-12
Date Collected: 07/12/18 13:10
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.2**	**B**	1.6	0.32	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluoropentanoic acid (PFPeA)	**2.8**		1.6	0.58	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorohexanoic acid (PFHxA)	**0.91**	**J B**	1.6	0.19	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluoroheptanoic acid (PFHpA)	**0.43**	**J**	1.6	0.25	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorooctanoic acid (PFOA)	**0.26**	**J B**	1.6	0.25	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.30	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.30	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluoroundecanoic acid (PFUnA)	**0.24**	**J**	1.6	0.19	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.27	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorotridecanoic Acid (PFTriA)	ND		1.6	0.19	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.35	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorobutanesulfonic acid (PFBS)	**0.75**	**J**	1.6	0.34	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorohexanesulfonic acid (PFHxS)	**0.88**	**J B**	1.6	0.20	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.64	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.59	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		07/25/18 11:15	08/07/18 00:36	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.6	0.44	ng/L		07/25/18 11:15	08/07/18 00:36	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		16	0.35	ng/L		07/25/18 11:15	08/07/18 00:36	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		16	0.55	ng/L		07/25/18 11:15	08/07/18 00:36	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		16	0.78	ng/L		07/25/18 11:15	08/07/18 00:36	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		16	0.44	ng/L		07/25/18 11:15	08/07/18 00:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*76*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C4-PFHpA	*80*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C4 PFOS	*67*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C5 PFNA	*88*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C4 PFBA	*34*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C2 PFHxA	*63*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C2 PFDA	*82*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C2 PFUnA	*87*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C2 PFDoA	*70*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C8 FOSA	*58*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C5-PFPeA	*51*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C2-PFTeDA	*72*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
d5-NEtFOSAA	*90*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
M2-6:2FTS	*118*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
M2-8:2FTS	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*
13C3-PFBS	*61*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:36*	*1*

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Client Sample ID: ERB-1
Date Collected: 07/12/18 13:30
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.6	0.33	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.61	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.19	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.26	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.26	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.31	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.31	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluoroundecanoic acid (PFUnA)	**0.26**	**J**	1.6	0.20	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.28	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorotridecanoic Acid (PFTriA)	ND		1.6	0.19	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.36	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.36	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorohexanesulfonic acid (PFHxS)	**0.32**	**J B**	1.6	0.21	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.66	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.61	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.43	ng/L		07/25/18 11:15	08/07/18 00:51	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.6	0.45	ng/L		07/25/18 11:15	08/07/18 00:51	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		16	0.36	ng/L		07/25/18 11:15	08/07/18 00:51	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		16	0.57	ng/L		07/25/18 11:15	08/07/18 00:51	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		16	0.81	ng/L		07/25/18 11:15	08/07/18 00:51	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		16	0.45	ng/L		07/25/18 11:15	08/07/18 00:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*89*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C4-PFHpA	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C4 PFOS	*89*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C5 PFNA	*96*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C4 PFBA	*87*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C2 PFHxA	*102*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C2 PFUnA	*98*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C2 PFDoA	*80*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C8 FOSA	*49*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C5-PFPeA	*102*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C2-PFTeDA	*63*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
M2-6:2FTS	*110*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
M2-8:2FTS	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*
13C3-PFBS	*89*		*25 - 150*	*07/25/18 11:15*	*08/07/18 00:51*	*1*

Client Sample ID: DP-23
Date Collected: 07/12/18 14:45
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.9**	**B**	1.7	0.35	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluoropentanoic acid (PFPeA)	**1.4**	**J**	1.7	0.63	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorohexanoic acid (PFHxA)	**1.2**	**J B**	1.7	0.20	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluoroheptanoic acid (PFHpA)	**0.88**	**J**	1.7	0.27	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorooctanoic acid (PFOA)	**1.3**	**J B**	1.7	0.27	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.32	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.32	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluoroundecanoic acid (PFUnA)	**0.23**	**J**	1.7	0.21	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.30	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorotridecanoic Acid (PFTriA)	ND		1.7	0.20	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.38	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorobutanesulfonic acid (PFBS)	**1.5**	**J**	1.7	0.37	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorohexanesulfonic acid (PFHxS)	**0.59**	**J B**	1.7	0.22	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.69	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.64	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.45	ng/L		07/25/18 11:15	08/07/18 01:07	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.7	0.47	ng/L		07/25/18 11:15	08/07/18 01:07	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		17	0.38	ng/L		07/25/18 11:15	08/07/18 01:07	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		17	0.59	ng/L		07/25/18 11:15	08/07/18 01:07	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		17	0.84	ng/L		07/25/18 11:15	08/07/18 01:07	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	**0.54**	**J**	17	0.47	ng/L		07/25/18 11:15	08/07/18 01:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*88*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C4-PFHpA	*83*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C4 PFOA	*96*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C4 PFOS	*81*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C5 PFNA	*94*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C4 PFBA	*40*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C2 PFHxA	*71*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C2 PFDA	*92*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C2 PFUnA	*100*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C2 PFDoA	*73*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C8 FOSA	*62*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C5-PFPeA	*62*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C2-PFTeDA	*72*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
d5-NEtFOSAA	*109*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
M2-6:2FTS	*112*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
M2-8:2FTS	*105*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*
13C3-PFBS	*66*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:07*	*1*

Client Sample ID: MW-11
Date Collected: 07/12/18 17:00
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-5
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.9**	**B**	2.0	0.41	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluoropentanoic acid (PFPeA)	**2.3**		2.0	0.75	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorohexanoic acid (PFHxA)	**0.90**	**J B**	2.0	0.24	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluoroheptanoic acid (PFHpA)	**0.60**	**J**	2.0	0.32	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorooctanoic acid (PFOA)	**0.55**	**J B**	2.0	0.32	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.38	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.38	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.25	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.35	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorotridecanoic Acid (PFTriA)	ND		2.0	0.24	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.45	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorobutanesulfonic acid (PFBS)	**2.1**		2.0	0.44	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorohexanesulfonic acid (PFHxS)	**0.90**	**J B**	2.0	0.26	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND	F1	2.0	0.82	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.76	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.53	ng/L		07/25/18 11:15	08/07/18 01:23	1
Perfluorooctane Sulfonamide (PFOSA)	ND		2.0	0.56	ng/L		07/25/18 11:15	08/07/18 01:23	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		20	0.45	ng/L		07/25/18 11:15	08/07/18 01:23	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		20	0.70	ng/L		07/25/18 11:15	08/07/18 01:23	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		20	1.0	ng/L		07/25/18 11:15	08/07/18 01:23	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		20	0.56	ng/L		07/25/18 11:15	08/07/18 01:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*72*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C4-PFHpA	*78*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C4 PFOA	*86*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C4 PFOS	*54*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C5 PFNA	*79*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C4 PFBA	*35*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C2 PFHxA	*67*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C2 PFDA	*74*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C2 PFUnA	*79*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C2 PFDoA	*64*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C8 FOSA	*54*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C5-PFPeA	*52*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C2-PFTeDA	*63*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
d3-NMeFOSAA	*66*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
d5-NEtFOSAA	*83*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
M2-6:2FTS	*115*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
M2-8:2FTS	*83*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*
13C3-PFBS	*60*		*25 - 150*	*07/25/18 11:15*	*08/07/18 01:23*	*1*

Client Sample ID: DP-28
Date Collected: 07/12/18 18:50
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-6
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**13**	**B**	1.6	0.34	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluoropentanoic acid (PFPeA)	**6.9**		1.6	0.62	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorohexanoic acid (PFHxA)	**5.5**	**B**	1.6	0.20	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluoroheptanoic acid (PFHpA)	**3.0**		1.6	0.26	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorooctanoic acid (PFOA)	**3.1**	**B**	1.6	0.26	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.31	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.31	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluoroundecanoic acid (PFUnA)	**0.28**	**J**	1.6	0.21	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.29	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorotridecanoic Acid (PFTriA)	ND		1.6	0.20	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.37	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorobutanesulfonic acid (PFBS)	**3.9**		1.6	0.36	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorohexanesulfonic acid (PFHxS)	**1.1**	**J B**	1.6	0.21	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.68	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.63	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.44	ng/L		07/25/18 11:15	08/07/18 02:26	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.6	0.46	ng/L		07/25/18 11:15	08/07/18 02:26	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		16	0.37	ng/L		07/25/18 11:15	08/07/18 02:26	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		16	0.58	ng/L		07/25/18 11:15	08/07/18 02:26	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		16	0.82	ng/L		07/25/18 11:15	08/07/18 02:26	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		16	0.46	ng/L		07/25/18 11:15	08/07/18 02:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*78*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C4-PFHpA	*80*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C4 PFOS	*84*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C5 PFNA	*94*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C4 PFBA	*26*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C2 PFHxA	*59*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C2 PFDA	*86*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C2 PFUnA	*80*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C2 PFDoA	*55*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C8 FOSA	*77*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C5-PFPeA	*45*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C2-PFTeDA	*63*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
M2-6:2FTS	*178*	*	*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
M2-8:2FTS	*109*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*
13C3-PFBS	*53*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:26*	*1*

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Client Sample ID: BLIND DUPLICATE-2
Date Collected: 07/12/18 00:00
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-7
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.7**	**B**	1.6	0.33	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluoropentanoic acid (PFPeA)	**1.8**		1.6	0.60	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorohexanoic acid (PFHxA)	**1.1**	**J B**	1.6	0.19	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluoroheptanoic acid (PFHpA)	**0.44**	**J**	1.6	0.26	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorooctanoic acid (PFOA)	**0.48**	**J B**	1.6	0.26	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.31	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.31	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.20	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.28	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorotridecanoic Acid (PFTriA)	ND		1.6	0.19	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.36	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorobutanesulfonic acid (PFBS)	**1.1**	**J**	1.6	0.35	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorohexanesulfonic acid (PFHxS)	**0.95**	**J B**	1.6	0.21	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.66	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.61	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.43	ng/L		07/25/18 11:15	08/07/18 02:42	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.6	0.45	ng/L		07/25/18 11:15	08/07/18 02:42	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		16	0.36	ng/L		07/25/18 11:15	08/07/18 02:42	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		16	0.56	ng/L		07/25/18 11:15	08/07/18 02:42	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		16	0.81	ng/L		07/25/18 11:15	08/07/18 02:42	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		16	0.45	ng/L		07/25/18 11:15	08/07/18 02:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*83*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C4-PFHpA	*89*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C4 PFOA	*98*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C4 PFOS	*78*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C5 PFNA	*101*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C4 PFBA	*38*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C2 PFHxA	*70*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C2 PFDA	*91*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C2 PFUnA	*103*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C2 PFDoA	*76*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C8 FOSA	*71*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C5-PFPeA	*61*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C2-PFTeDA	*80*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
M2-6:2FTS	*142*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
M2-8:2FTS	*93*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*
13C3-PFBS	*62*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:42*	*1*

Client Sample ID: DP-10
Date Collected: 07/13/18 15:05
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-8
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**14**	**B**	1.7	0.34	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluoropentanoic acid (PFPeA)	**16**		1.7	0.62	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorohexanoic acid (PFHxA)	**18**	**B**	1.7	0.20	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluoroheptanoic acid (PFHpA)	**8.7**		1.7	0.27	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorooctanoic acid (PFOA)	**25**	**B**	1.7	0.27	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorononanoic acid (PFNA)	**1.7**		1.7	0.32	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorodecanoic acid (PFDA)	**2.3**		1.7	0.32	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluoroundecanoic acid (PFUnA)	**0.30**	**J**	1.7	0.21	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorododecanoic acid (PFDoA)	**0.32**	**J**	1.7	0.29	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorotridecanoic Acid (PFTriA)	ND		1.7	0.20	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.37	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorobutanesulfonic acid (PFBS)	**13**		1.7	0.37	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorohexanesulfonic acid (PFHxS)	**6.6**	**B**	1.7	0.22	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	**1.1**	**J**	1.7	0.68	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorooctanesulfonic acid (PFOS)	**78**		1.7	0.63	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.44	ng/L		07/25/18 11:15	08/07/18 02:58	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.7	0.47	ng/L		07/25/18 11:15	08/07/18 02:58	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		17	0.37	ng/L		07/25/18 11:15	08/07/18 02:58	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		17	0.58	ng/L		07/25/18 11:15	08/07/18 02:58	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**0.94**	**J B**	17	0.83	ng/L		07/25/18 11:15	08/07/18 02:58	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		17	0.47	ng/L		07/25/18 11:15	08/07/18 02:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*90*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C4-PFHpA	*80*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C4 PFOS	*93*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C5 PFNA	*100*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C4 PFBA	*22*	*	*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C2 PFHxA	*61*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C2 PFDA	*100*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C2 PFUnA	*91*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C2 PFDoA	*72*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C8 FOSA	*75*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C5-PFPeA	*43*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C2-PFTeDA	*78*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
d3-NMeFOSAA	*83*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
M2-6:2FTS	*180*	*	*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
M2-8:2FTS	*114*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*
13C3-PFBS	*53*		*25 - 150*	*07/25/18 11:15*	*08/07/18 02:58*	*1*

Client Sample ID: DP-15
Date Collected: 07/13/18 16:15
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-9
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**9.2**	**B**	1.6	0.33	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluoropentanoic acid (PFPeA)	**5.0**		1.6	0.60	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorohexanoic acid (PFHxA)	**3.5**	**B**	1.6	0.19	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluoroheptanoic acid (PFHpA)	**2.8**		1.6	0.26	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorooctanoic acid (PFOA)	**7.7**	**B**	1.6	0.26	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorononanoic acid (PFNA)	**0.58**	**J**	1.6	0.30	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.30	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluoroundecanoic acid (PFUnA)	**0.35**	**J**	1.6	0.20	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.28	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorotridecanoic Acid (PFTriA)	ND		1.6	0.19	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.36	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorobutanesulfonic acid (PFBS)	**1.7**		1.6	0.35	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorohexanesulfonic acid (PFHxS)	**1.8**	**B**	1.6	0.21	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.66	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorooctanesulfonic acid (PFOS)	**5.7**		1.6	0.61	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.42	ng/L		07/25/18 11:15	08/07/18 03:14	1
Perfluorooctane Sulfonamide (PFOSA)	ND		1.6	0.45	ng/L		07/25/18 11:15	08/07/18 03:14	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		16	0.36	ng/L		07/25/18 11:15	08/07/18 03:14	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	**2.1**	**J B**	16	0.56	ng/L		07/25/18 11:15	08/07/18 03:14	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**1.9**	**J B**	16	0.80	ng/L		07/25/18 11:15	08/07/18 03:14	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		16	0.45	ng/L		07/25/18 11:15	08/07/18 03:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*86*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C4-PFHpA	*83*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C4 PFOA	*96*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C4 PFOS	*89*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C5 PFNA	*93*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C4 PFBA	*31*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C2 PFHxA	*67*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C2 PFDA	*91*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C2 PFUnA	*87*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C2 PFDoA	*71*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C8 FOSA	*69*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C5-PFPeA	*52*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C2-PFTeDA	*76*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
d3-NMeFOSAA	*71*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
M2-6:2FTS	*145*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
M2-8:2FTS	*95*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*
13C3-PFBS	*61*		*25 - 150*	*07/25/18 11:15*	*08/07/18 03:14*	*1*

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFHxS (25-150)	PFHpA (25-150)	PFOA (25-150)	PFOS (25-150)	PFNA (25-150)	PFBA (25-150)	PFHxA (25-150)	PFDA (25-150)
200-44343-1	TRIP BLANK	93	100	104	86	97	92	103	103
200-44343-2	MW-12	76	80	88	67	88	34	63	82
200-44343-3	ERB-1	89	95	95	89	96	87	102	93
200-44343-4	DP-23	88	83	96	81	94	40	71	92
200-44343-5	MW-11	72	78	86	54	79	35	67	74
200-44343-5 MS	MW-11	73	78	88	57	78	38	64	79
200-44343-5 MSD	MW-11	75	77	82	64	85	40	68	77
200-44343-6	DP-28	78	80	95	84	94	26	59	86
200-44343-7	BLIND DUPLICATE-2	83	89	98	78	101	38	70	91
200-44343-8	DP-10	90	80	95	93	100	22 *	61	100
200-44343-9	DP-15	86	83	96	89	93	31	67	91
LCS 200-132143/2-A	Lab Control Sample	84	85	97	87	86	88	100	92
MB 200-132143/1-A	Method Blank	97	93	99	96	106	100	106	106

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (25-150)	PFDoA (25-150)	PFOSA (25-150)	PFPeA (25-150)	PFTDA (25-150)	-NMeFOS/ (25-150)	-NEtFOS/ (25-150)	M262FTS (25-150)
200-44343-1	TRIP BLANK	106	84	50	96	68	80	94	105
200-44343-2	MW-12	87	70	58	51	72	76	90	118
200-44343-3	ERB-1	98	80	49	102	63	79	83	110
200-44343-4	DP-23	100	73	62	62	72	92	109	112
200-44343-5	MW-11	79	64	54	52	63	66	83	115
200-44343-5 MS	MW-11	79	69	56	54	70	64	79	130
200-44343-5 MSD	MW-11	86	68	57	60	68	72	88	132
200-44343-6	DP-28	80	55	77	45	63	76	81	178 *
200-44343-7	BLIND DUPLICATE-2	103	76	71	61	80	95	106	142
200-44343-8	DP-10	91	72	75	43	78	83	82	180 *
200-44343-9	DP-15	87	71	69	52	76	71	81	145
LCS 200-132143/2-A	Lab Control Sample	93	73	51	99	56	83	78	104
MB 200-132143/1-A	Method Blank	106	82	59	107	50	88	92	102

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M282FTS (25-150)	3C3-PFBS (25-150)						
200-44343-1	TRIP BLANK	91	89						
200-44343-2	MW-12	95	61						
200-44343-3	ERB-1	95	89						
200-44343-4	DP-23	105	66						
200-44343-5	MW-11	83	60						
200-44343-5 MS	MW-11	79	57						
200-44343-5 MSD	MW-11	84	57						
200-44343-6	DP-28	109	53						
200-44343-7	BLIND DUPLICATE-2	93	62						
200-44343-8	DP-10	114	53						
200-44343-9	DP-15	95	61						
LCS 200-132143/2-A	Lab Control Sample	101	87						
MB 200-132143/1-A	Method Blank	114	94						

Surrogate Legend

PFHxS = 18O2 PFHxS
PFHpA = 13C4-PFHpA

Isotope Dilution Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

PFOA = 13C4 PFOA
PFOS = 13C4 PFOS
PFNA = 13C5 PFNA
PFBA = 13C4 PFBA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFOSA = 13C8 FOSA
PFPeA = 13C5-PFPeA
PFTDA = 13C2-PFTeDA
d3-NMeFOSAA = d3-NMeFOSAA
d5-NEtFOSAA = d5-NEtFOSAA
M262FTS = M2-6:2FTS
M282FTS = M2-8:2FTS
13C3-PFBS = 13C3-PFBS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-132143/1-A
Matrix: Water
Analysis Batch: 132560

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 132143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.837	J	2.0	0.41	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.75	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorohexanoic acid (PFHxA)	0.347	J	2.0	0.24	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.32	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorooctanoic acid (PFOA)	0.499	J	2.0	0.32	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.38	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.38	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.25	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.35	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorotridecanoic Acid (PFTriA)	ND		2.0	0.24	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.45	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.44	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorohexanesulfonic acid (PFHxS)	0.284	J	2.0	0.26	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.82	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.76	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.53	ng/L		07/25/18 11:15	08/06/18 22:45	1
Perfluorooctane Sulfonamide (PFOSA)	ND		2.0	0.56	ng/L		07/25/18 11:15	08/06/18 22:45	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		20	0.45	ng/L		07/25/18 11:15	08/06/18 22:45	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	3.22	J	20	0.70	ng/L		07/25/18 11:15	08/06/18 22:45	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.54	J	20	1.0	ng/L		07/25/18 11:15	08/06/18 22:45	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		20	0.56	ng/L		07/25/18 11:15	08/06/18 22:45	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*97*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C4-PFHpA	*93*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C4 PFOA	*99*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C4 PFOS	*96*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C5 PFNA	*106*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C4 PFBA	*100*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C2 PFHxA	*106*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C2 PFUnA	*106*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C2 PFDoA	*82*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C8 FOSA	*59*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C5-PFPeA	*107*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C2-PFTeDA	*50*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
M2-6:2FTS	*102*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
M2-8:2FTS	*114*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*
13C3-PFBS	*94*		*25 - 150*	*07/25/18 11:15*	*08/06/18 22:45*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-132143/2-A
Matrix: Water
Analysis Batch: 132560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	52.8		ng/L		132	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	41.2		ng/L		103	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	49.2		ng/L		123	50 - 150
Perfluoroheptanoic acid (PFHpA)	40.0	54.3		ng/L		136	50 - 150
Perfluorooctanoic acid (PFOA)	40.0	50.7		ng/L		127	50 - 150
Perfluorononanoic acid (PFNA)	40.0	51.0		ng/L		127	50 - 150
Perfluorodecanoic acid (PFDA)	40.0	48.5		ng/L		121	50 - 150
Perfluoroundecanoic acid (PFUnA)	40.0	53.4		ng/L		133	50 - 150
Perfluorododecanoic acid (PFDoA)	40.0	49.8		ng/L		125	50 - 150
Perfluorotridecanoic Acid (PFTriA)	40.0	38.0		ng/L		95	50 - 150
Perfluorotetradecanoic acid (PFTeA)	40.0	41.1		ng/L		103	50 - 150
Perfluorobutanesulfonic acid (PFBS)	35.4	46.3		ng/L		131	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	36.4	42.5		ng/L		117	50 - 150
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	50.9		ng/L		134	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	52.8		ng/L		142	50 - 150
Perfluorodecanesulfonic acid (PFDS)	38.6	43.1		ng/L		112	50 - 150
Perfluorooctane Sulfonamide (PFOSA)	40.0	50.4		ng/L		126	50 - 150
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	40.0	52.4		ng/L		131	50 - 150
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	40.0	52.4		ng/L		131	50 - 150
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	45.7		ng/L		121	50 - 150
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	53.4		ng/L		139	50 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
18O2 PFHxS	*84*		*25 - 150*
13C4-PFHpA	*85*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C4 PFOS	*87*		*25 - 150*
13C5 PFNA	*86*		*25 - 150*
13C4 PFBA	*88*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C2 PFDA	*92*		*25 - 150*
13C2 PFUnA	*93*		*25 - 150*
13C2 PFDoA	*73*		*25 - 150*
13C8 FOSA	*51*		*25 - 150*
13C5-PFPeA	*99*		*25 - 150*
13C2-PFTeDA	*56*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-132143/2-A
Matrix: Water
Analysis Batch: 132560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 132143

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
d3-NMeFOSAA	83		25 - 150
d5-NEtFOSAA	78		25 - 150
M2-6:2FTS	104		25 - 150
M2-8:2FTS	101		25 - 150
13C3-PFBS	87		25 - 150

Lab Sample ID: 200-44343-5 MS
Matrix: Water
Analysis Batch: 132560

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 132143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	3.9	B	39.3	52.4		ng/L		123	40 - 160
Perfluoropentanoic acid (PFPeA)	2.3		39.3	44.4		ng/L		107	40 - 160
Perfluorohexanoic acid (PFHxA)	0.90	J B	39.3	49.8		ng/L		124	40 - 160
Perfluoroheptanoic acid (PFHpA)	0.60	J	39.3	55.1		ng/L		139	40 - 160
Perfluorooctanoic acid (PFOA)	0.55	J B	39.3	48.6		ng/L		122	40 - 160
Perfluorononanoic acid (PFNA)	ND		39.3	49.6		ng/L		126	40 - 160
Perfluorodecanoic acid (PFDA)	ND		39.3	39.9		ng/L		102	40 - 160
Perfluoroundecanoic acid (PFUnA)	ND		39.3	48.9		ng/L		124	40 - 160
Perfluorododecanoic acid (PFDoA)	ND		39.3	46.9		ng/L		119	40 - 160
Perfluorotridecanoic Acid (PFTriA)	ND		39.3	51.0		ng/L		130	40 - 160
Perfluorotetradecanoic acid (PFTeA)	ND		39.3	44.4		ng/L		113	40 - 160
Perfluorobutanesulfonic acid (PFBS)	2.1		34.7	50.2		ng/L		138	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.90	J B	35.8	42.7		ng/L		117	40 - 160
Perfluoroheptanesulfonic Acid (PFHpS)	ND	F1	37.4	61.1	F1	ng/L		163	40 - 160
Perfluorooctanesulfonic acid (PFOS)	ND		36.5	54.6		ng/L		150	40 - 160
Perfluorodecanesulfonic acid (PFDS)	ND		37.9	49.6		ng/L		131	40 - 160
Perfluorooctane Sulfonamide (PFOSA)	ND		39.3	48.9		ng/L		124	40 - 160
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		39.3	48.2		ng/L		123	40 - 160
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		39.3	48.5		ng/L		123	40 - 160
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		37.3	35.9		ng/L		96	40 - 160
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		37.7	54.7		ng/L		145	40 - 160

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
18O2 PFHxS	73		25 - 150
13C4-PFHpA	78		25 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 200-44343-5 MS
Matrix: Water
Analysis Batch: 132560

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 132143

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFOA	88		25 - 150
13C4 PFOS	57		25 - 150
13C5 PFNA	78		25 - 150
13C4 PFBA	38		25 - 150
13C2 PFHxA	64		25 - 150
13C2 PFDA	79		25 - 150
13C2 PFUnA	79		25 - 150
13C2 PFDoA	69		25 - 150
13C8 FOSA	56		25 - 150
13C5-PFPeA	54		25 - 150
13C2-PFTeDA	70		25 - 150
d3-NMeFOSAA	64		25 - 150
d5-NEtFOSAA	79		25 - 150
M2-6:2FTS	130		25 - 150
M2-8:2FTS	79		25 - 150
13C3-PFBS	57		25 - 150

Lab Sample ID: 200-44343-5 MSD
Matrix: Water
Analysis Batch: 132560

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 132143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	3.9	B	39.1	53.5		ng/L		127	40 - 160	2	30
Perfluoropentanoic acid (PFPeA)	2.3		39.1	39.4		ng/L		95	40 - 160	12	30
Perfluorohexanoic acid (PFHxA)	0.90	J B	39.1	47.2		ng/L		118	40 - 160	5	30
Perfluoroheptanoic acid (PFHpA)	0.60	J	39.1	56.3		ng/L		143	40 - 160	2	30
Perfluorooctanoic acid (PFOA)	0.55	J B	39.1	50.9		ng/L		129	40 - 160	5	30
Perfluorononanoic acid (PFNA)	ND		39.1	44.1		ng/L		113	40 - 160	12	30
Perfluorodecanoic acid (PFDA)	ND		39.1	45.5		ng/L		116	40 - 160	13	30
Perfluoroundecanoic acid (PFUnA)	ND		39.1	49.0		ng/L		125	40 - 160	0	30
Perfluorododecanoic acid (PFDoA)	ND		39.1	49.4		ng/L		127	40 - 160	5	30
Perfluorotridecanoic Acid (PFTriA)	ND		39.1	47.8		ng/L		122	40 - 160	7	30
Perfluorotetradecanoic acid (PFTeA)	ND		39.1	44.1		ng/L		113	40 - 160	1	30
Perfluorobutanesulfonic acid (PFBS)	2.1		34.5	48.5		ng/L		134	40 - 160	3	30
Perfluorohexanesulfonic acid (PFHxS)	0.90	J B	35.6	42.4		ng/L		117	40 - 160	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	F1	37.2	52.9		ng/L		142	40 - 160	14	30
Perfluorooctanesulfonic acid (PFOS)	ND		36.3	49.3		ng/L		136	40 - 160	10	30
Perfluorodecanesulfonic acid (PFDS)	ND		37.7	43.6		ng/L		116	40 - 160	13	30
Perfluorooctane Sulfonamide (PFOSA)	ND		39.1	46.7		ng/L		119	40 - 160	5	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 200-44343-5 MSD
Matrix: Water
Analysis Batch: 132560

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 132143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		39.1	50.0		ng/L		128	40 - 160	4	30
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		39.1	47.7		ng/L		122	40 - 160	2	30
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		37.0	37.4		ng/L		101	40 - 160	4	30
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		37.4	50.6		ng/L		135	40 - 160	8	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
18O2 PFHxS	*75*		*25 - 150*
13C4-PFHpA	*77*		*25 - 150*
13C4 PFOA	*82*		*25 - 150*
13C4 PFOS	*64*		*25 - 150*
13C5 PFNA	*85*		*25 - 150*
13C4 PFBA	*40*		*25 - 150*
13C2 PFHxA	*68*		*25 - 150*
13C2 PFDA	*77*		*25 - 150*
13C2 PFUnA	*86*		*25 - 150*
13C2 PFDoA	*68*		*25 - 150*
13C8 FOSA	*57*		*25 - 150*
13C5-PFPeA	*60*		*25 - 150*
13C2-PFTeDA	*68*		*25 - 150*
d3-NMeFOSAA	*72*		*25 - 150*
d5-NEtFOSAA	*88*		*25 - 150*
M2-6:2FTS	*132*		*25 - 150*
M2-8:2FTS	*84*		*25 - 150*
13C3-PFBS	*57*		*25 - 150*

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

LCMS

Prep Batch: 132143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-44343-1	TRIP BLANK	Total/NA	Water	3535	
200-44343-2	MW-12	Total/NA	Water	3535	
200-44343-3	ERB-1	Total/NA	Water	3535	
200-44343-4	DP-23	Total/NA	Water	3535	
200-44343-5	MW-11	Total/NA	Water	3535	
200-44343-6	DP-28	Total/NA	Water	3535	
200-44343-7	BLIND DUPLICATE-2	Total/NA	Water	3535	
200-44343-8	DP-10	Total/NA	Water	3535	
200-44343-9	DP-15	Total/NA	Water	3535	
MB 200-132143/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-132143/2-A	Lab Control Sample	Total/NA	Water	3535	
200-44343-5 MS	MW-11	Total/NA	Water	3535	
200-44343-5 MSD	MW-11	Total/NA	Water	3535	

Analysis Batch: 132560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-44343-1	TRIP BLANK	Total/NA	Water	537 (modified)	132143
200-44343-2	MW-12	Total/NA	Water	537 (modified)	132143
200-44343-3	ERB-1	Total/NA	Water	537 (modified)	132143
200-44343-4	DP-23	Total/NA	Water	537 (modified)	132143
200-44343-5	MW-11	Total/NA	Water	537 (modified)	132143
200-44343-6	DP-28	Total/NA	Water	537 (modified)	132143
200-44343-7	BLIND DUPLICATE-2	Total/NA	Water	537 (modified)	132143
200-44343-8	DP-10	Total/NA	Water	537 (modified)	132143
200-44343-9	DP-15	Total/NA	Water	537 (modified)	132143
MB 200-132143/1-A	Method Blank	Total/NA	Water	537 (modified)	132143
LCS 200-132143/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	132143
200-44343-5 MS	MW-11	Total/NA	Water	537 (modified)	132143
200-44343-5 MSD	MW-11	Total/NA	Water	537 (modified)	132143

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Client Sample ID: TRIP BLANK
Date Collected: 07/12/18 10:00
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 00:20	BWC	TAL BUR

Client Sample ID: MW-12
Date Collected: 07/12/18 13:10
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 00:36	BWC	TAL BUR

Client Sample ID: ERB-1
Date Collected: 07/12/18 13:30
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 00:51	BWC	TAL BUR

Client Sample ID: DP-23
Date Collected: 07/12/18 14:45
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 01:07	BWC	TAL BUR

Client Sample ID: MW-11
Date Collected: 07/12/18 17:00
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 01:23	BWC	TAL BUR

Client Sample ID: DP-28
Date Collected: 07/12/18 18:50
Date Received: 07/14/18 09:45

Lab Sample ID: 200-44343-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 02:26	BWC	TAL BUR

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Client Sample ID: BLIND DUPLICATE-2

Lab Sample ID: 200-44343-7
Matrix: Water
Date Collected: 07/12/18 00:00
Date Received: 07/14/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 02:42	BWC	TAL BUR

Client Sample ID: DP-10

Lab Sample ID: 200-44343-8
Matrix: Water
Date Collected: 07/13/18 15:05
Date Received: 07/14/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 02:58	BWC	TAL BUR

Client Sample ID: DP-15

Lab Sample ID: 200-44343-9
Matrix: Water
Date Collected: 07/13/18 16:15
Date Received: 07/14/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			132143	07/25/18 11:15	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	132560	08/07/18 03:14	BWC	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Laboratory: TestAmerica Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	DoD ELAP		L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-19
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-18
New Jersey	NELAP	2	VT972	06-30-19
New York	NELAP	2	10391	04-01-19
Pennsylvania	NELAP	3	68-00489	04-30-19
Rhode Island	State Program	1	LAO00298	12-30-18
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-18
Virginia	NELAP	3	460209	12-14-18

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Method Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: LaBella Associates DPC
Project/Site: Offsite Carriage Cleaners #C8281131A

TestAmerica Job ID: 200-44343-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-44343-1	TRIP BLANK	Water	07/12/18 10:00	07/14/18 09:45
200-44343-2	MW-12	Water	07/12/18 13:10	07/14/18 09:45
200-44343-3	ERB-1	Water	07/12/18 13:30	07/14/18 09:45
200-44343-4	DP-23	Water	07/12/18 14:45	07/14/18 09:45
200-44343-5	MW-11	Water	07/12/18 17:00	07/14/18 09:45
200-44343-6	DP-28	Water	07/12/18 18:50	07/14/18 09:45
200-44343-7	BLIND DUPLICATE-2	Water	07/12/18 00:00	07/14/18 09:45
200-44343-8	DP-10	Water	07/13/18 15:05	07/14/18 09:45
200-44343-9	DP-15	Water	07/13/18 16:15	07/14/18 09:45

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

288936

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Christie Sobol	Site Contact: Eric Detweiler	Date: 7/13/18	COC No: 288936
Company Name: LaBella Associates	Tel/Fax: (585) 454-6110	Lab Contact: Orlette Johnson	Carrier: FedEx	1 of 1 COCs
Address: 300 State St.	Analysis Turnaround Time			Sampler: ED
City/State/Zip: Rochester, NY 14614	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (585) 454-6110	TAT if different from Below 10 day			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Off Site Carriage Cleaners	☐ 1 week			Job / SDG No.:
Site: CB281131A	☐ 2 days			
P O # 2161937	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PFC_IDA-PFAS Stanguard 21	Sample Specific Notes:
TRIP BLANK	7/12/18	10:00	G	water	2	N	N	X	
MW-12	7/12/18	13:10			2	N	N	X	
ERB-1	7/12/18	13:30			2	N	N	X	
DP-23	7/12/18	14:45			2	N	N	X	
MW-11 (MS/MSD)	7/12/18	17:00			6	N	Y	X	includes MS/MSD
DP-28	7/12/18	18:50			2	N	N	X	
Blind Duplicate-2	7/12/18				2	N	N	X	
DP-10	7/13/18	15:05			2	N	N	X	
DP-15	7/13/18	16:15	↓	↓	2	N	N	X	

200-44343 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Tier IV w/ EQuIS EDD

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by: Eric Detweiler	LaBella	7/13/18 1530	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received in Laboratory by: Sean Z	TAL BUF	7/14/18 0945

8/17/2018

ORIGIN ID:DKKA (585) 278-8202
ERIC OETWEILER
LABELLA ASSOCIATES
300 STATE STREET
SUITE 201
ROCHESTER, NY 14614
UNITED STATES US

SHIP DATE: 10JUL18
ACTWGT: 20.00 LB MAN
CAD: 735603/CAFE3210
DIMS: 22x14x11 IN

TO SAMPLE RECIEVING
TESTAMERICA BURLINGTON
300 COMMUNTIY DRIVE, SUIT 11
RETURNS
SOUTH BURLINGTON VT 054036809

(802) 660-1919 REF:
INV:
PO: DEPT:

RMA:

FedEx Express

FedEx
TRK# 0221 4322 0479 8451

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

EXP 12/18

#1881753 07/13 552J2/8532/DCA5

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 200-44343-1

Login Number: 44343
List Number: 1
Creator: Mohn, Taylor J

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	277175
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	