Fleming Lee Shue

September 26, 2024

Ms. Emily Barry
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7016

Re: American Felt and Filter Company (AFFCO), New Windsor, NY
Annual Groundwater Monitoring Report – 2024
Site No. 3-36-036; Site Index No. W3-0784-04-06

Dear Ms. Barry:

Fleming, Lee Shue Environmental Engineering and Geology D.P.C. (FLS), on behalf of American Felt and Filter Company (AFFCO), is presenting this Annual Groundwater Monitoring Report for the site in New Windsor, New York. This annual groundwater sampling event took place on August 20, 2024.

The Site was remediated between July and September 2012. The remedy was a combination of excavation and *in situ* chemical oxidation (ISCO) using the RemMetrik process (U.S. Patent No. 8,739,867 B2). The *in-situ* injection took place in the 50-ft. by 50-ft. treatment area adjacent to the Feutron Building in July 2012 and excavation occurred in August-September 2012. Post-treatment groundwater sampling took place in April 2013 in order for the treatment chemical, activated sodium persulfate, to fully react. FLS prepared a Final Engineering Report (FER) and Site Management Plan (SMP) following the remedy and filed these with the New York State Department of Environmental Conservation (NYSDEC) in 2013 for review and comment. NYSDEC reviewed and approved these documents in 2017 after discussions and revisions made by FLS. Quarterly groundwater sampling as outlined in the SMP began in the Second Quarter of 2012 after NYSDEC approved the FER and SMP and issued the Certificate of Completion on April 2, 2018.

A Site Layout Map showing the Site and Environmental Easement and Soil Management Area is included as Figure 1. Figure 2 is a groundwater contour map. Figure 3 identifies groundwater concentrations above NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS) Ambient Water Quality Standards and Guidance Values (Class GA Standards). The monitoring wells sampled, the respective analyses as required by the SMP, and approved petition are as follows:

Well	TCL VOCs	Basic Groundwater Parameters[1]	Location
EW-0	x	x	Treatment Area
EW-1X	x	x	Treatment Area
MW-1	x	x	Adjacent to Treatment Area

[1] Iron, sulfate, sulfide, chloride, alkalinity. EW-1X analyzed for Iron only.

The groundwater results are discussed with respect to pre-treatment groundwater concentrations and concentration trends. The goal is to attain bulk reduction of groundwater concentrations and asymptotic trends in groundwater concentrations.

Data Validation

Data validation and review of the laboratory analytical data for the Target Compound List (TCL) Volatile Organic Compounds (VOCs) was completed by an in-house chemist not directly involved in the project. Data usability summary reports (DUSRs) are included as Appendix A. Data validation found all data usable for project decisions with the understanding of potential biases in estimated results.

The data were submitted to NYSDEC as an Electronic Data Deliverable (EDD) in accordance with Section 1.15 of NYSDEC's May 2010 DER-10 Technical Guidance for Site Investigation and Remediation. The EDD was submitted on September 25, 2024.

Groundwater Sampling & Analysis

Well purging and groundwater sampling were conducted in accordance with the approved Quality Assurance Project Plan (QAPP) and in accordance with the NYSDEC-approved SMP. Each well was purged using a low flow pump, ensuring minimum turbulence to prevent an increase in suspended solids. Each well was purged until groundwater parameters (temperature, pH, dissolved oxygen [DO], conductivity, oxidation reduction potential [ORP], and turbidity) stabilized or three well volumes were purged, or the well purged dry. Typical purge rates ranged from approximately 180 to 350 milliliters per minute (mL/minute). Well purge logs are included as Appendix B.

FLS conducted the current round of groundwater sampling on August 20, 2024. The samples were analyzed by SGS Accutest Laboratories of Dayton, New Jersey, a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory. An electronic copy of the laboratory data report is included as Appendix C. The groundwater samples were managed in accordance with the NYSDEC Analytical Services Protocol (ASP) and analyzed for the following analyses/methods:

- Target Compounds List (TCL) VOCs, EPA Method 8260B
- Sulfate, EPA Method 300/SW846 9056A
- Sulfide, Method SM20 4500S2 F
- Alkalinity, EPA Method SM20 2320B

- Chloride, EPA Method 300
- Methane and Carbon Dioxide, Ethane, Ethene, Method RSK-175
- Iron, SW846 6010C
- Iron II, SM3500FE B-11

FLS collected field Quality Assurance/Quality Control (QA/QC) samples as part of groundwater sampling. The QA/QC samples included one trip blank, one field blank, and one duplicate sample.

Monitoring well EW-1X was not sampled for Ferrous Iron, Sulfate, Sulfide, Alkalinity, or Chloride due to limited groundwater production.

Groundwater Flow

Water level measurements were collected in the monitoring wells as part of the monitoring event and were used to prepare a shallow groundwater contour map as shown in Figure 2. Synoptic groundwater measurements were collected on August 20, 2024, but the wells are yet to be resurveyed. Groundwater flow is towards Quassaick Creek, as expected.

Summary of Analytical Results

The discussion of the analytical results focuses on the principal contaminant, 1,1,1-Trichloroethane (TCA) and Total VOCs. Table 1 presents the analytical results for the current and previous rounds of groundwater sampling.

The annual groundwater sampling results are plotted and compared to the maximum pre-treatment concentrations for each of the principal contaminants. Groundwater concentrations typically fluctuate, often dramatically, with changing groundwater levels, the seasons, precipitation, and changes in groundwater flow direction throughout the year. This variation can dramatically affect contact between groundwater and contaminant, influence groundwater movement with more or less contaminated strata, affect contaminant migration and retardation through strata of different conductivities, and be influenced by geochemical factors that also occur within different strata. As a result, groundwater contaminant concentrations can fluctuate dramatically from one sampling event to another. Under these conditions, the maximum concentrations likely approximate actual groundwater contaminant concentrations and seem most appropriate as a basis for comparison. For this reason, it is more useful to compare the pre-remedy maximum groundwater concentrations with post-treatment groundwater over time and to use as a gauge of remedy effectiveness.

Treatment Area Wells

Monitoring wells EW-0 and EW-1X are the two monitoring wells within the treatment area. Figures 4 and 5 show the results of groundwater sampling trends for TCA and Total VOCs in the treatment area. Analysis of the August 2024 annual groundwater sampling data identified the following trends:

Figure 4 shows that TCA in both EW-1X and EW-0 decreased from the last event in August 2023, and both continue to show a net downward trend. TCA in EW-1X decreased by 36 percent, from 40 µg/L to 25.8 µg/L in the current period while TCA in EW-0 decreased radically by 99 percent, from 2,180 µg/L to 21.9 µg/L.

Fig. 4 — TCA in Treatment Area Groundwater, µg/L

Grey vertical lines show beginning and end of treatment period.
The 4,500 value in EW1X was collected near the EW1X location in 2001 and substitued as the pre-treatment value. It was infeasible to collect a pre-treatment sample in EW1X prior to treatment.

Total VOCs decreased considerably in the current period (Figure 5). Total VOCs in EW-1X decreased from 3,414 µg/L to 63 µg/L compared to the previous sampling event, a 98 percent reduction. And Total VOCs in EW-0 decreased from 7,658 µg/L to 47 µg/L in the same period, a 99 percent reduction.

While the data indicate and upward trend, this may be changing because of the current results. Historically, the upward trend in Total VOCs in later time was due to compounds other than TCA. These included biodegradation compounds such as acetone and MEK, and a specific TCA degradation compound, chloroethane.

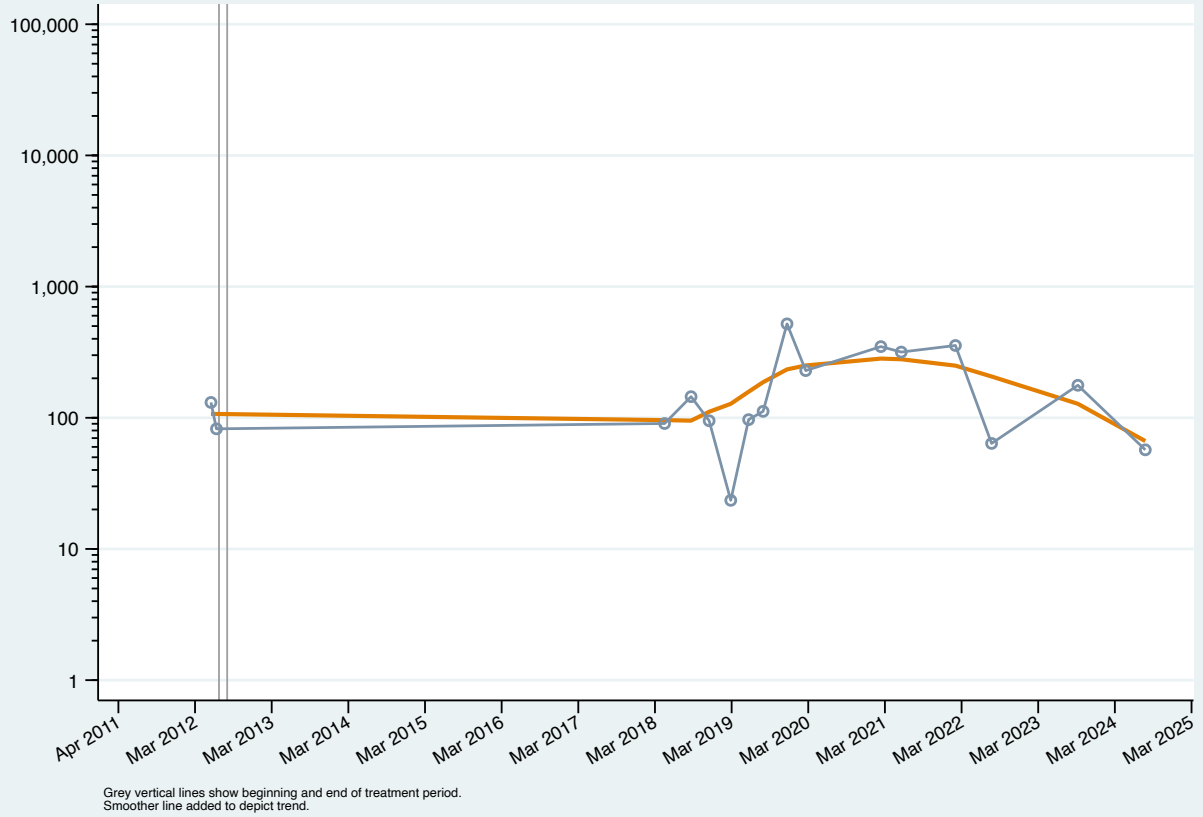
Fig. 5 — Total VOCs in Treatment Area Groundwater, µg/L

Grey vertical lines show beginning and end of treatment period.
The 7,455 value in EW1X was collected near the EW1X location in 2001 and substitued as the pre-treatment value. It was infeasible to collect a pre-treatment sample in EW1X prior to treatment.

Outside Treatment Area Wells

Monitoring well MW-1 is downgradient and outside the treatment area. Figures 6 and 7 show the results of groundwater sampling trends for TCA and Total VOCs in wells outside the treatment area. TCA in MW-1 decreased from the October 2023 event, from 177 µg/L to 57 µg/L, a 68 percent reduction. TCA in MW-1 shows a downward trend.

Fig. 6 — TCA in Groundwater Well Outside Treatment Area (MW-1), µg/L



Grey vertical lines show beginning and end of treatment period.
Smoother line added to depict trend.

Figure 7 shows Total VOCs in MW-1. Total VOCs are slightly lower than the previous sampling event and show a net downward change.

Fig. 7 — Total VOCs in Groundwater Well Outside Treatment Area (MW-1), µg/L

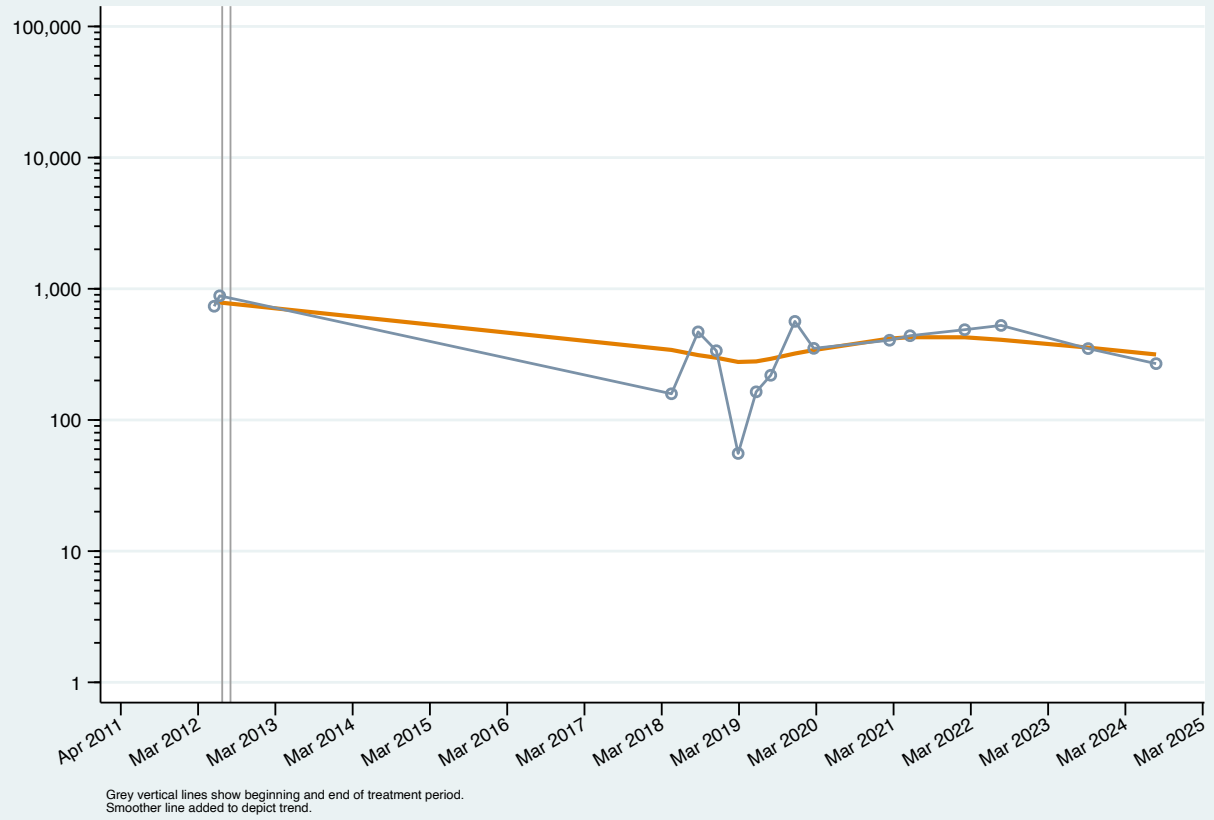
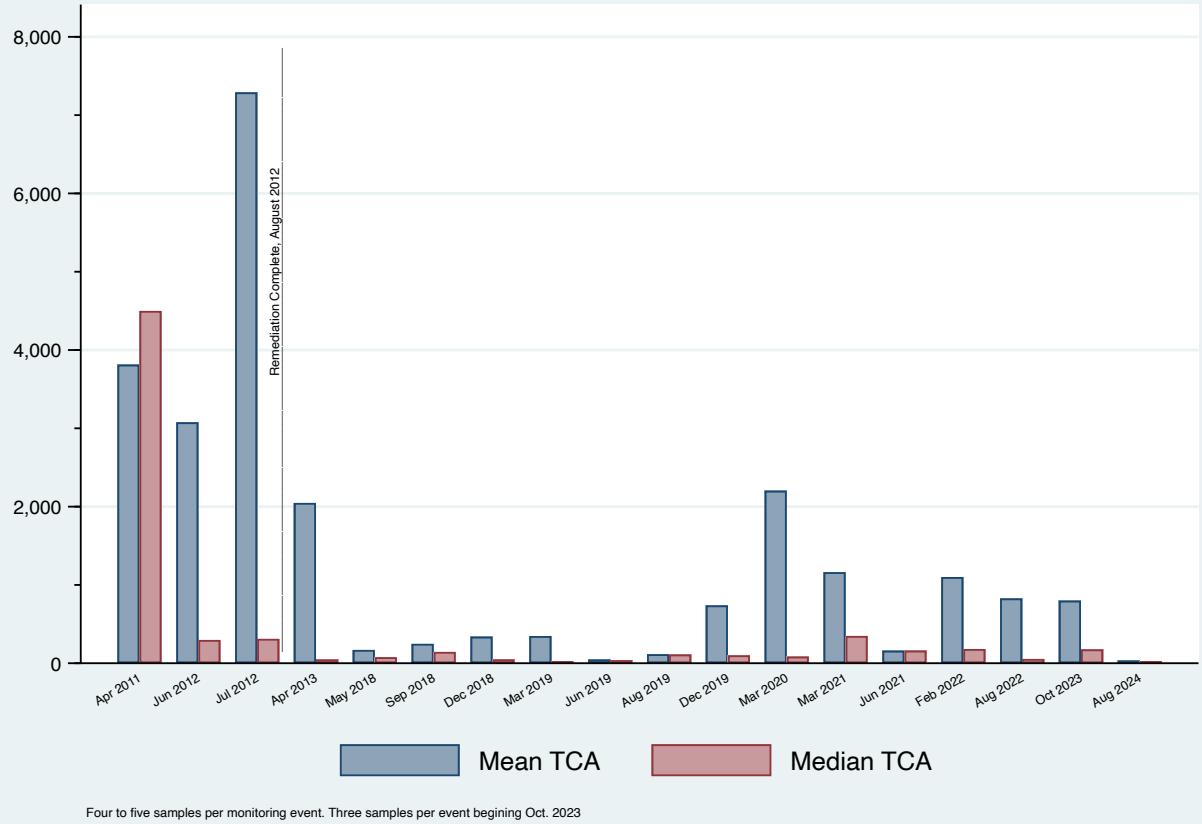


Figure 8 shows the mean and median TCE groundwater concentrations before and after the remedy completed in 2012. Figure 8 shows a very large TCA reduction in the post-remedial period, albeit with some fluctuation. Most of this fluctuation is in EW-0. Nonetheless, overall TCA concentrations remain well below pre-remedy levels. The continually decreasing mean indicates that the higher concentrations are fewer. The mean and median TCA levels decreased in the current sampling event and are the lowest ever.

Fig. 8. Site Mean and Median TCA Groundwater Conc., µg/L, by Month



Four to five samples per monitoring event. Three samples per event begining Oct. 2023

Groundwater Geochemical Conditions

Sulfate is an electron acceptor and an energy source for microbial degradation. Sulfate is reduced to sulfide by microbes degrading contaminants. Sulfate measured 15.5 mg/L in EW-0 and 15.1 in MW-1, and sulfide was non-detect at both locations this period, indicating that sulfate reduction is not an active biodegradation pathway.

Iron is an electron acceptor and an energy source for microbial degradation. Iron becomes more soluble when reduced to its dissolved state as Iron II (ferrous iron, Fe II) during microbial degradation. All Fe II concentrations were non-detect this period indicating that iron reduction is not an active biodegradation pathway.

Alkalinity is another indicator of microbial degradation and increased in response to microbial changes. Alkalinity this period was similar to the previous period.

Dissolved oxygen (DO) is a key component of aerobic microbial degradation. DO remains low in most wells. The median DO concentration measured zero (0) mg/L, which is lower than the 0.5 mg/L considered the threshold for aerobic degradation to begin indicating that conditions are favorable for anaerobic degradation. DO has shown a decreasing trend since 2018 to levels that can sustain reductive dechlorination.

Oxidation Reduction Potential (ORP) ranged from 59 to 245 mV this period, which is not conducive to reductive dechlorination. Groundwater temperatures were approximately 22 degrees C this period.

Median methane concentrations have increased continually since 2018 suggesting that methanogenesis is occurring. Methanogenesis is a condition in which biodegradation of chlorinated solvents can occur and methane is a biodegradation compound resulting from reduction of ethane and ethene, final degradation compounds.

Degradation by-products

There are indications of ongoing biodegradation. Chloride concentrations have shown a steady increase since 2013, which is an indication of potential TCE breakdown as chlorinated ethenes contain a large mass of chlorine and is an indication of reductive dechlorination, but[1] chloride decreased considerably this period. Likewise, methane has shown an overall gentle increase since 2018 and is an indication that fermentation is occurring.[2] Methane this period increased compared to the previous period and overall shows an increasing trend. Ethane and ethene are the final degradation compounds of biodegradation. Increases in the concentrations of vinyl chloride, and ethane and ethene, which are biodegradation by-products, also indicate reductive dechlorination. However, vinyl chloride was mostly non-detect and less than 1 µg/L this period and the combined ethane and ethene decreased appreciably this period most likely because there appears very little TCE remaining.

[1] Todd H. Wiedemeier et al., *Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface* (New York: John Wiley, 1999, p. 266.
[2] Wiedemeier et al., *Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface, p. 266*.

Net TCA and Total VOC Reduction in Groundwater

Table 4 shows the percent reduction in TCA and Total VOCs for the treatment area, outside the treatment area, and for all wells compared with the pre-treatment maximum concentrations. TCE and Total VOCs remain significantly lower than the pre-treatment maximum concentrations indicating there is no net material rebound. Overall, despite some fluctuation, TCA and Total VOCs maintained a reduction of >99 percent. This is evidence of sustained bulk reduction.

Table 4A - Treatment Area Wells[3]

Well	TCA % Reduction	Total VOCs % Reduction
EW-1X	>99	99
EW-0	>99	>99
Net Weighted Reduction	>99	>99

Table 4B - Downgradient Wells

Well	TCA % Reduction	Total VOCs % Reduction
MW-1[4]	56	70
Net Weighted Reduction	56	70

Table 4C - All Wells

Well	TCA % Reduction	Total VOCs % Reduction
EW-1X	>99	99
EW-0	>99	>99
MW-1[2]	57	70
Net Weighted Reduction	>99	>99

The number of VOCs above TOGS is two to four (Figure 3), a reduction of up to six last year. These include TCA, 1,1,-Dichloroethane, and chloroethane.

Summary and Conclusions

The groundwater sampling results from the 2024 Annual sampling event show TCA concentrations in the treatment area remain well below their pre-treatment maximum (or immediate post-treatment) concentrations and show a very large decrease compared to the 2023

[3] % Reduction is the percent reduction for each well compared to its pre-treatment maximum concentration. Net Weighted Reduction is the weighted reduction for all wells in the specific group shown.
[4] Using the maximum TCA or Total VOC concentration immediately after treatment

sampling event. TCA and Total VOCs show a greater than 99 percent overall reduction compared to pre-treatment maximum concentrations. Outside the treatment area TCA reduced by 56 percent and Total VOCs by 70 percent compared to pre-treatment maximum concentrations. Overall, TCA exhibited a >99 percent reduction for both TCA and Total VOCs compared with the pre-treatment maximums. This is evidence of sustained bulk reduction.

Most wells have only a few detected VOC compounds and fewer still have VOCs above the TOGS GA AWQS. The number of VOCs above TOGS is two to four (Figure 3), a reduction from last year where up to six VOCs were above TOGS. Groundwater in the current sampling period exhibits conditions demonstrating evidence of reductive dechlorination and a complete degradation pathway in the form of the final degradation by-products ethane and ethene and increasing methane and chloride concentrations.

Please contact us with any comments or questions.

Sincerely,
Fleming, Lee Shue Environmental Engineering and Geology D.P.C.

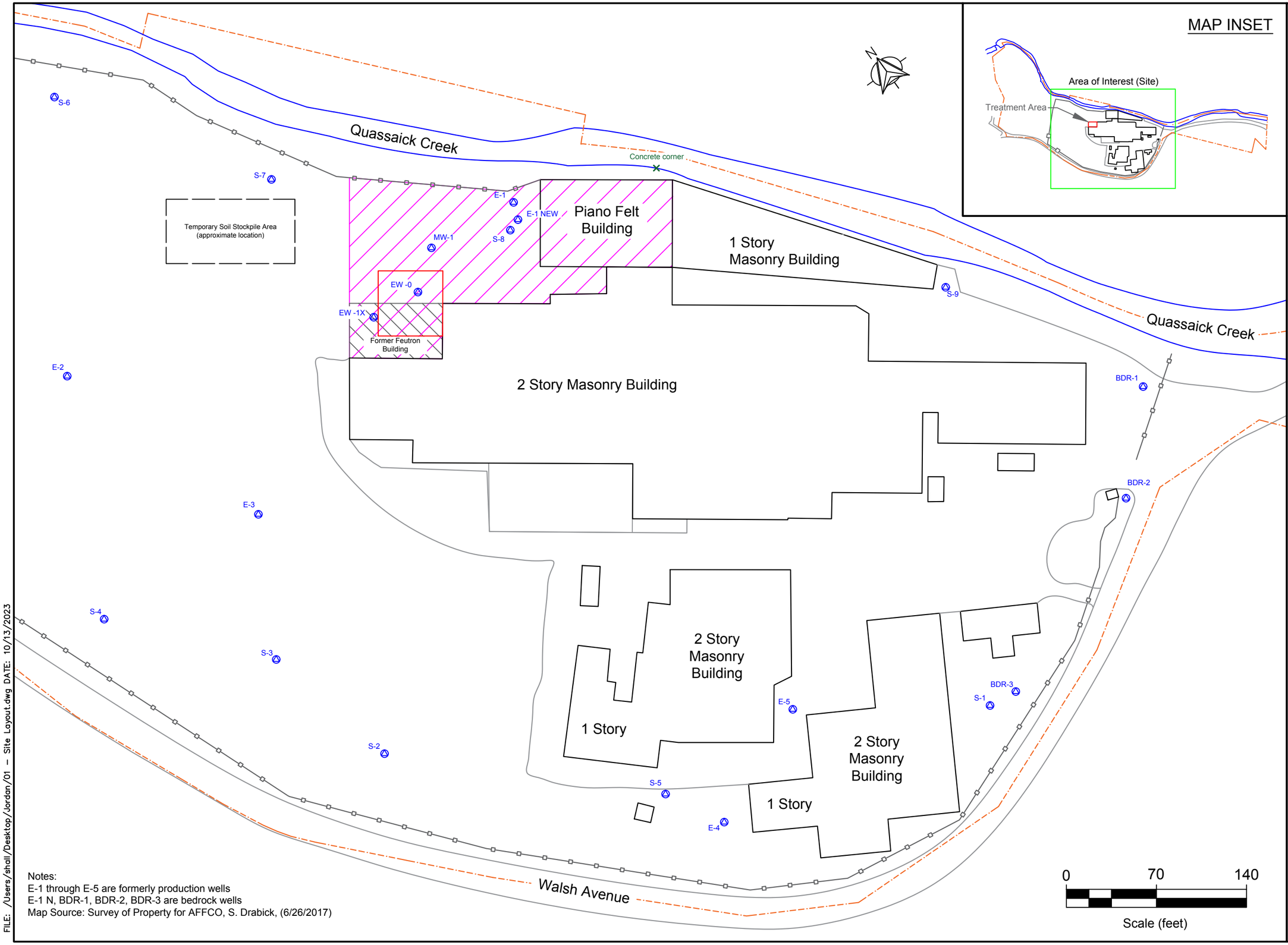
Arnold F. Fleming, P.E.
Remedial Engineer

cc: S. Panter, FLS

Attachments:

Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Groundwater Elevation Contours
Figure 4 – Groundwater above TOGS - VOCs
Table 1 – Consecutive Analytical Results by Well
Appendix A – Data Usability Summary Report
Appendix B – Well Development Logs
Appendix C – Laboratory Reports

Figures



MAP INSET

Notes:
E-1 through E-5 are formerly production wells
E-1 N, BDR-1, BDR-2, BDR-3 are bedrock wells
Map Source: Survey of Property for AFFCO, S. Drabick, (6/26/2017)

FILE: /Users/shail/Desktop/Jordan/01 - Site Layout.dwg DATE: 10/13/2023

Fleming Lee Shue
158 West 29th Street
New York, NY 10001

American Felt & Filter Co.
361 Walsh Avenue
New Windsor, NY

Figure 1

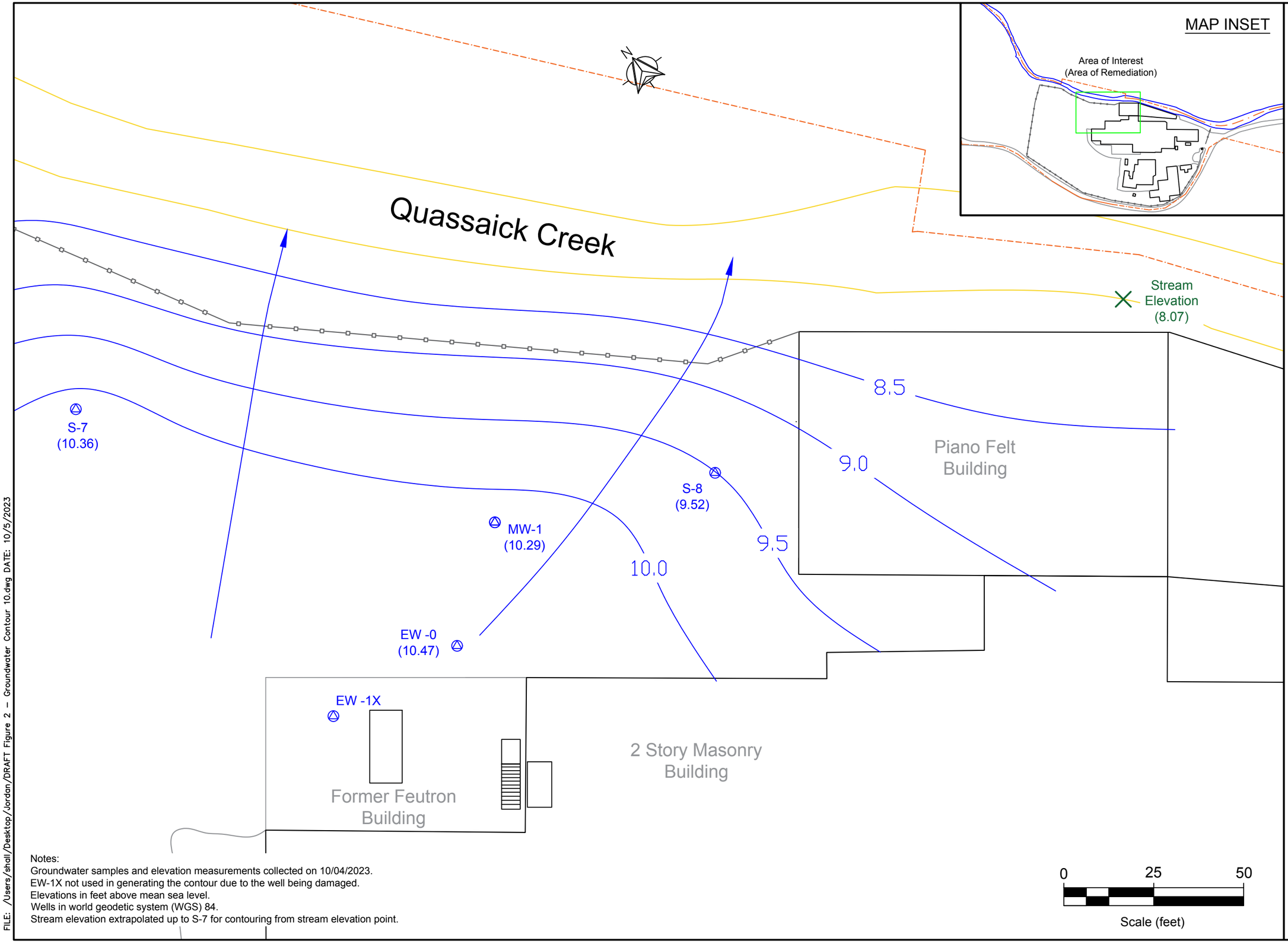
Site Layout

October 2023

Project Number
10000-015

LEGEND

- Environmental Easement Area
- Extent of Building Demolition
- Area of Remedial Excavation
- Property Line
- Retaining Walls / Fence
- Groundwater Monitoring Well



Notes:
Groundwater samples and elevation measurements collected on 10/04/2023.
EW-1X not used in generating the contour due to the well being damaged.
Elevations in feet above mean sea level.
Wells in world geodetic system (WGS) 84.
Stream elevation extrapolated up to S-7 for contouring from stream elevation point.

FILE: /Users/shall/Desktop/Jordan/DRAFT Figure 2 – Groundwater Contour 10.dwg DATE: 10/5/2023

Fleming Lee Shue

158 West 29th Street
New York, NY 10001

American Felt & Filter Co.
361 Walsh Avenue
New Windsor, NY

Figure 2

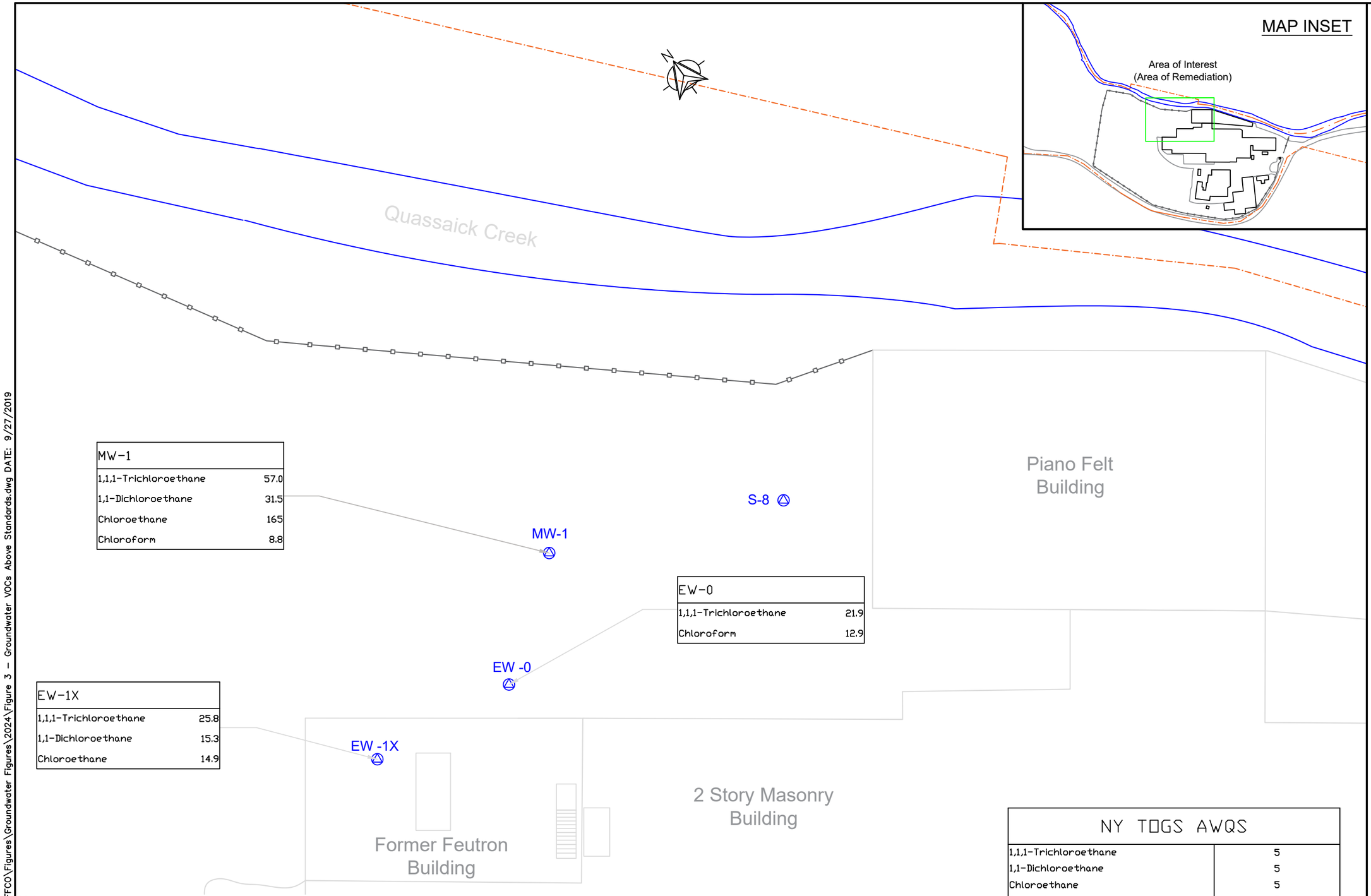
Groundwater Contours

October 2023

Project Number
10000-015

LEGEND

- Groundwater monitoring well
- Groundwater Contour (dashed where inferred)
- Groundwater Flow Direction



MAP INSET

Notes:
Groundwater results and TOGS values in ug/L.
Samples were collected 8/20/2024.
EW-1 NEW was removed from the groundwater monitoring plan (05/06/2020).
S-8 was removed from the groundwater monitoring plan (12/01/2022).
Results show Target Compound List (Method 8260) VOCs above TOGs class GA AWQS.
Technical Operational Guidance Services (TOGS)
Ambient Water Quality Standards and Guidance Values (AWQS)

Fleming Lee Shue
158 West 29th Street
New York, NY 10001

American Felt & Filter Co.
361 Walsh Avenue
New Windsor, NY

Figure 3

VOCs in Groundwater above TOGS GA AWQS

September 2024

Project Number
10000-015

LEGEND

Groundwater monitoring well

FILE: P:\10000 - AFFCO\Figures\Groundwater Figures\2024\Figure 3 - Groundwater VOCs Above Standards.dwg DATE: 9/27/2019

Tables

Table 1: AFFCO Cummulative Analytical Results by Well - VOCs
Groundwater Monitoring Report
American Felt Filter Company

MS Volatiles (SW846 8260C)

Client Sample ID:	NY TOGS Class GA GW Standards	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X
Lab Sample ID:		-	-	JB34670-1	JC66265-5	JC66265-6	JC79790-5	JC85268-6	JC90279-6	JC94022-3	JD685-4
Date Sampled:		6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019
Acetone	-	-	-	ND (33)	ND (5.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)
Benzene	1	-	-	ND (2.4)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	-	-	-	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	-	-	ND (2.1)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	-	-	ND (2.1)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63) a	ND (0.63)	ND (0.63)
Bromomethane	5	-	-	ND (2.2)	ND (1.4)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)
2-Butanone (MEK)	-	-	-	ND (24)	ND (4.8)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)
Carbon disulfide	60	-	-	ND (1.9)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	-	-	ND (2.2)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	-	-	ND (2.3)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	-	-	ND (2.6)	ND (0.59)	ND (0.73)	0.97 J	**28.3**	**27.4**	**7.7**	4.4
Chloroform	7	-	-	ND (2.0)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	-	-	ND (2.1)	ND (0.53)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)
Cyclohexane	-	-	-	-	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	-	-	-	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Dibromochloromethane	-	-	-	ND (1.4)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	-	-	-	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	-	-	-	ND (1.9) [a]	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
1,1-Dichloroethane	5	-	-	**22.9**	**25.4**	**56.6**	**33.3**	**253**	**51**	**77.3**	**71.3**
1,2-Dichloroethane	0.6	-	-	ND (2.6)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	-	-	ND (1.9)	1	2.7	1	2.3	1.4	2.2	2.4
cis-1,2-Dichloroethene	5	-	-	ND (1.9)	ND (0.50)	0.58 J	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	-	-	ND (2.1)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	-	-	-	ND (4.8)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	-	-	ND (2.1)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	-	-	ND (1.9)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	5	-	-	-	ND (52)	ND (69) a	ND (69) a	ND (69)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	-	-	ND (2.3)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	-	-	-	-	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
2-Hexanone	5	-	-	ND (11)	ND (3.3)	ND (2.0) a	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	-	-	-	-	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	-	-	-	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	10	-	-	-	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	-	-	-	ND (1.6)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	5	-	-	ND (8.3)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	-	-	ND (7.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	-	-	ND (2.1)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	-	-	ND (2.1)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	-	-	ND (2.8)	ND (0.50)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)
Toluene	5	-	-	ND (2.3)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	-	-	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	-	-	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50) a
1,1,1-Trichloroethane	1	-	-	ND (2.4)	**66.5**	**208**	**49.1**	**209**	**39.5**	**160**	**101**
1,1,2-Trichloroethane	5	-	-	ND (2.9)	ND (0.24)	0.89 J	ND (0.53)	1	ND (0.53)	0.68 J	0.59 J
Trichloroethene	5	-	-	ND (2.2)	ND (0.27)	0.92 J	ND (0.53)	0.62 J	ND (0.53)	0.57 J	ND (0.53)
Trichlorofluoromethane	2	-	-	-	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)
Vinyl chloride	2	-	-	ND (2.1)	ND (0.62)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)
m,p-Xylene	5	-	-	-	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	-	-	-	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	-	-	ND (2.4)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)

Client Sample ID:	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X
Lab Sample ID:	JD4855-3	-	JD26722-4	JD40427-4	JD50363-4	JD74203-4	JD94531-4
Date Sampled:	3/17/2020	3/10/2021	6/15/2021	2/28/2022	8/19/2022	10/4/2023	8/20/2024
Acetone	ND (6.0)	--	11.3	ND (3.1)	5.7 J	1790	4.9 J d
Benzene	ND (0.43)	--	ND (0.43)	ND (0.43)	ND (0.50)	ND (0.43)	ND
Bromochloromethane	ND (0.48)	--	ND (0.48)	ND (0.48)	ND (1.0)	ND (0.48)	ND
Bromodichloromethane	ND (0.58)	--	ND (0.45)	ND (0.45)	ND (1.0)	ND (0.45)	ND
Bromoform	ND (0.63)	--	ND (0.63)	ND (0.63)	ND (1.0)	ND (0.63) c	ND
Bromomethane	ND (1.6) a	--	ND (1.6)	ND (1.6) a	ND (2.0)	ND (1.6)	ND
2-Butanone (MEK)	ND (6.9)	--	ND (6.9)	ND (6.9)	ND (10)	1400	ND
Carbon disulfide	ND (0.95)	--	ND (0.46)	ND (0.46)	ND (2.0)	ND (1.8)	ND
Carbon tetrachloride	ND (0.55)	--	ND (0.55)	ND (0.55)	ND (1.0)	ND (0.55) c	ND
Chlorobenzene	ND (0.56)	--	ND (0.56)	ND (0.56)	ND (1.0)	ND (0.56)	ND
Chloroethane	2.7	--	**19.2**	**70**	**82.4**	**127**	**14.9**
Chloroform	ND (0.50)	--	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND
Chloromethane	ND (0.76)	--	ND (0.76)	ND (0.76)	ND (1.0)	ND (0.76)	ND c
Cyclohexane	ND (0.78)	--	ND (0.78)	ND (0.78)	ND (5.0)	ND (0.78)	ND
1,2-Dibromo-3-chloropropane	ND (1.2)	--	ND (0.53)	ND (0.53)	ND (2.0)	ND (0.53)	ND
Dibromochloromethane	ND (0.56)	--	ND (0.56)	ND (0.56)	ND (1.0)	ND (0.56)	ND
1,2-Dibromoethane	ND (0.48)	--	ND (0.48)	ND (0.48)	ND (1.0)	ND (0.48)	ND
1,2-Dichlorobenzene	ND (0.53)	--	ND (0.53)	ND (0.53)	ND (1.0)	ND (0.53)	ND
1,3-Dichlorobenzene	ND (0.54)	--	ND (0.54)	ND (0.54)	ND (1.0)	ND (0.54)	ND
1,4-Dichlorobenzene	ND (0.51)	--	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND
Dichlorodifluoromethane	ND (1.4)	--	ND (0.56) a	ND (0.56)	ND (2.0)	ND (0.56)	ND
1,1-Dichloroethane	**44.5**	--	**69**	**14.6**	**32.9**	**47.2**	**15.3**
1,2-Dichloroethane	ND (0.60)	--	ND (0.60)	ND (0.60)	**0.72 J**	**0.91 J**	ND
1,1-Dichloroethene	1.1	--	1.5	2.4	3.1	4	1.2
cis-1,2-Dichloroethene	ND (0.51)	--	0.62 J	0.74 J	0.79 J	1.1	ND
trans-1,2-Dichloroethene	ND (0.54)	--	ND (0.54)	ND (0.54)	ND (1.0)	ND (0.54)	ND
1,2-Dichloropropane	ND (0.51)	--	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND
cis-1,3-Dichloropropene	ND (0.47)	--	ND (0.47)	ND (0.47)	ND (1.0)	ND (0.47)	ND
trans-1,3-Dichloropropene	ND (0.43)	--	ND (0.43)	ND (0.43)	ND (1.0)	ND (0.43)	ND
1,4-Dioxane	ND (69)	--	19.3 J	24.5 J	49.1 J	ND (39)	ND
Ethylbenzene	ND (0.60)	--	ND (0.60)	ND (0.60)	ND (1.0)	ND (0.60)	ND
Freon 113	ND (1.9)	--	ND (0.58)	ND (0.58)	ND (5.0)	ND (0.58) c	ND
2-Hexanone	ND (2.0)	--	ND (2.0)	ND (2.0)	ND (5.0) a	ND (4.8)	ND
Isopropylbenzene	ND (0.65)	--	ND (0.65)	ND (0.65)	ND (1.0)	ND (0.65)	ND
Methyl Acetate	ND (0.80)	--	ND (0.80)	ND (0.80) b	ND (5.0) a	ND (0.80)	ND
Methylcyclohexane	ND (0.60)	--	ND (0.60)	ND (0.60)	ND (5.0)	ND (0.60)	ND
Methyl Tert Butyl Ether	ND (0.51)	--	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND
4-Methyl-2-pentanone(MIBK)	ND (1.9)	--	ND (1.9)	ND (1.9)	ND (5.0) a	ND (4.9)	ND
Methylene chloride	ND (1.0)	--	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND
Styrene	ND (0.70)	--	ND (0.49)	ND (0.49)	ND (1.0)	ND (0.49)	ND
1,1,2,2-Tetrachloroethane	ND (0.65)	--	ND (0.65)	ND (0.65)	ND (1.0)	ND (0.65)	ND
Tetrachloroethene	ND (0.90)	--	ND (0.90)	ND (0.90)	ND (1.0)	ND (0.56)	ND
Toluene	ND (0.53)	--	ND (0.53)	ND (0.53)	ND (1.0)	ND (0.49)	ND
1,2,3-Trichlorobenzene	ND (0.50)	--	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND
1,2,4-Trichlorobenzene	ND (0.50)	--	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND
1,1,1-Trichloroethane	**84.4**	--	**126**	**7.9**	**47.1**	**40**	**25.8**
1,1,2-Trichloroethane	ND (0.53)	--	0.54 J	ND (0.53)	ND (1.0)	ND (0.53)	ND
Trichloroethene	ND (0.53)	--	0.92 J	ND (0.53)	ND (1.0)	0.83 J	ND
Trichlorofluoromethane	ND (0.84)	--	ND (0.40)	ND (0.40)	ND (2.0)	ND (0.40) c	ND
Vinyl chloride	ND (0.79)	--	ND (0.79)	**2.7**	**3.2**	**2.9**	0.98 J
m,p-Xylene	ND (0.78)	--	ND (0.78)	ND (0.78)	ND (1.0)	ND (0.78)	ND
o-Xylene	ND (0.59)	--	ND (0.59)	ND (0.59)	ND (1.0)	ND (0.59)	ND
Xylene (total)	ND (0.59)	--	ND (0.59)	ND (0.59)	ND (1.0)	ND (0.59)	ND

Client Sample ID:	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0
Lab Sample ID:	JB9172-1	JB10868-1	JB34670-3	JC66265-4	JC74100-3	JC79790-1	JC85268-1	JC90279-1	JC94022-5
Date Sampled:	6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019
Acetone	ND (330)	ND (330)	ND (3.3)	ND (5.0)	ND (15)	ND (60)	ND (24)	ND (6.0)	ND (6.0)
Benzene	ND (24)	ND (24)	ND (0.24)	ND (0.17)	ND (1.1)	ND (4.3)	ND (1.7)	ND (0.43)	ND (0.43)
Bromochloromethane	-	-	-	ND (0.38)	ND (1.2)	ND (4.8)	ND (1.9)	ND (0.48)	ND (0.48)
Bromodichloromethane	ND (21)	ND (21)	ND (0.21)	4.3	2.5	ND (5.8)	ND (2.3)	3.5	2.9
Bromoform	ND (21)	ND (21)	ND (0.21)	ND (0.42)	ND (1.6)	ND (6.3)	ND (2.5)	ND (0.63) [a]	ND (0.63)
Bromomethane	ND (22)	ND (22)	ND (0.22)	ND (1.4)	ND (4.1)	ND (16)	ND (6.6)	ND (1.6)	ND (1.6)
2-Butanone (MEK)	ND (240)	ND (240)	14.1	ND (4.8)	ND (17)	ND (69)	ND (27)	ND (6.9)	ND (6.9)
Carbon disulfide	ND (19)	ND (19)	ND (0.19)	ND (0.50)	ND (2.4)	ND (9.5)	ND (3.8)	ND (0.95)	ND (0.95)
Carbon tetrachloride	ND (22)	ND (22)	ND (0.22)	ND (0.34)	ND (1.4)	ND (5.5)	ND (2.2)	ND (0.55)	ND (0.55)
Chlorobenzene	ND (23)	ND (23)	ND (0.23)	ND (0.24)	ND (1.4)	ND (5.6)	ND (2.2)	ND (0.56)	ND (0.56)
Chloroethane	**1280**	**1240**	**334**	ND (0.59)	**72.9**	**1100**	**297**	**8.4**	**57.2**
Chloroform	ND (20)	ND (20)	1.2	**43.3**	**29.3**	**11.7**	7	**41.8**	**54.2**
Chloromethane	ND (21)	ND (21)	ND (0.21)	ND (0.53)	ND (1.9)	ND (7.6)	ND (3.0)	ND (0.76)	ND (0.76)
Cyclohexane	-	-	-	ND (0.63)	ND (2.0)	ND (7.8)	ND (3.1)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	-	-	-	ND (0.69)	ND (3.0)	ND (12)	ND (4.8)	ND (1.2)	ND (1.2)
Dibromochloromethane	ND (14)	ND (14)	ND (0.14)	ND (0.16)	ND (1.4)	ND (5.6)	ND (2.2)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	-	-	-	ND (0.21)	ND (1.2)	ND (4.8)	ND (1.9)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	-	-	-	ND (0.50)	ND (1.3)	ND (5.3)	ND (2.1)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	-	-	-	ND (0.50)	ND (1.4)	ND (5.4)	ND (2.2)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	-	-	-	ND (0.50)	ND (1.3)	ND (5.1)	ND (2.0)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	-	-	-	ND (1.9) [a]	ND (3.4)	ND (14)	ND (5.4)	ND (1.4)	ND (1.4)
1,1-Dichloroethane	**3450**	**36100**	**2540**	**9.7**	**304**	**921**	**956**	**66.4**	**153**
1,2-Dichloroethane	ND (26)	**233**	**17.5**	ND (0.20)	**3.1**	**14.3**	**5.7**	**0.84 J**	**2.4**
1,1-Dichloroethene	**220**	**562**	**144**	0.85 J	**38.3**	**24.5**	**8.8**	1.5	4.2
cis-1,2-Dichloroethene	ND (19)	ND (19)	2.8	ND (0.50)	ND (1.3)	ND (5.1)	ND (2.0)	ND (0.51)	0.61 J
trans-1,2-Dichloroethene	ND (21)	ND (21)	2.2	ND (0.40)	ND (1.3)	ND (5.4)	ND (2.1)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	ND (48)	ND (48)	ND (0.48)	ND (0.24)	ND (1.3)	ND (5.1)	ND (2.0)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	ND (21)	ND (21)	ND (0.21)	ND (0.25)	ND (1.2)	ND (4.7)	ND (1.9)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	ND (19)	ND (19)	ND (0.19)	ND (0.22)	ND (1.1)	ND (4.3)	ND (1.7)	ND (0.43)	ND (0.43)
1,4-Dioxane	-	-	-	ND (52)	ND (170)	ND (690) a	ND (280)	ND (69)	ND (69)
Ethylbenzene	ND (23)	ND (23)	ND (0.23)	ND (0.22)	ND (1.5)	ND (6.0)	ND (2.4)	ND (0.60)	ND (0.60)
Freon 113	-	-	-	ND (1.2)	ND (4.9)	ND (19)	ND (7.8)	ND (1.9)	ND (1.9)
2-Hexanone	ND (110)	ND (110)	ND (1.1)	ND (3.3)	ND (5.1)	ND (20)	ND (8.1)	ND (2.0)	ND (2.0)
Isopropylbenzene	-	-	-	ND (0.25)	ND (1.6)	ND (6.5)	ND (2.6)	ND (0.65)	ND (0.65)
Methyl Acetate	-	-	-	ND (3.1)	ND (2.0)	ND (8.0)	ND (3.2)	ND (0.80)	ND (0.80)
Methylcyclohexane	-	-	-	ND (1.8)	ND (1.5)	ND (6.0)	ND (2.4)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	ND (16)	ND (16)	ND (0.16)	ND (0.25)	ND (1.3)	ND (5.1)	ND (2.0)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	ND (83)	ND (83)	ND (0.83)	ND (3.0)	ND (4.6)	ND (19)	ND (7.4)	ND (1.9)	ND (1.9)
Methylene chloride	ND (70)	ND (70)	ND (0.70)	ND (1.0)	ND (2.5)	ND (10)	ND (4.0)	ND (1.0)	2.5
Styrene	ND (21)	ND (21)	ND (0.21)	ND (0.24)	ND (1.7)	ND (7.0)	ND (2.8)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	ND (21)	ND (21)	ND (0.21)	ND (0.17)	ND (1.6)	ND (6.5)	ND (2.6)	ND (0.65)	ND (0.65)
Tetrachloroethene	ND (28)	ND (28)	0.60 J	ND (0.50)	ND (2.2)	ND (9.0)	ND (3.6)	ND (0.90)	ND (0.90)
Toluene	ND (23)	**60.5 J**	**8**	ND (0.25)	ND (1.3)	ND (5.3)	ND (2.1)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	-	-	-	ND (0.50)	ND (1.3)	ND (5.0)	ND (2.0)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	-	-	-	ND (0.50)	ND (1.3)	ND (5.0)	ND (2.0)	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	**13100**	**48300**	**8630**	**77.6**	**838**	**1530**	**1500**	**103**	**304**
1,1,2-Trichloroethane	ND (29)	**34.5 J**	**2.3**	ND (0.24)	**ND (1.3)**	ND (5.3)	ND (2.1)	ND (0.53)	0.64 J
Trichloroethene	ND (22)	ND (22)	4	0.43 J	2.0 J	ND (5.3)	ND (2.1)	0.69 J	1.5
Trichlorofluoromethane	-	-	-	ND (0.60)	ND (2.1)	ND (8.4) a	ND (3.3)	ND (0.84)	ND (0.84)
Vinyl chloride	ND (21)	ND (21)	**4.8**	ND (0.62)	ND (2.0)	**8.3 J**	ND (3.1)	ND (0.79)	0.93 J
m,p-Xylene	-	-	-	ND (0.43)	ND (2.0)	ND (7.8)	ND (3.1)	ND (0.78)	ND (0.78)
o-Xylene	-	-	-	ND (0.22)	ND (1.5)	ND (5.9)	ND (2.4)	ND (0.59)	ND (0.59)
Xylene (total)	ND (24)	ND (24)	ND (0.24)	ND (0.22)	ND (1.5)	ND (5.9)	ND (2.4)	ND (0.59)	ND (0.59)

Client Sample ID:	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0 DUP	EW-0	EW-0
Lab Sample ID:	JD685-2	JD4855-5	JD21587-4	JD26722-2	JD40427-2	JD50363-2	JD50363-5	JD74203-3	JD94531-3
Date Sampled:	12/19/2019	3/17/2020	3/10/2021	6/15/2021	2/28/2022	8/19/2022	8/19/2022	10/4/2023	8/20/2024
Acetone	ND (6.0)	ND (120)	ND (120) [a]	ND (3.1)	ND (31)	ND (200) a	ND (200) a	ND (61)	ND
Benzene	ND (0.43)	ND (8.5)	ND (8.5)	ND (0.43)	ND (4.3)	ND (10)	ND (10)	ND (8.5)	ND
Bromochloromethane	ND (0.48)	ND (9.6)	ND (9.6)	ND (0.48)	ND (4.8)	ND (20)	ND (20)	ND (9.6)	ND
Bromodichloromethane	ND (0.58)	ND (12)	ND (9.0)	3.5	ND (4.5)	ND (20)	ND (20)	ND (9.0)	6.2
Bromoform	ND (0.63)	ND (13)	ND (13)	ND (0.63)	ND (6.3)	ND (20)	ND (20)	ND (13)	ND
Bromomethane	ND (1.6)	ND (33)	ND (33)	ND (1.6)	ND (16) a	ND (40)	ND (40)	ND (33) c	ND
2-Butanone (MEK)	ND (6.9)	ND (140)	ND (140)	ND (6.9)	ND (69)	ND (200)	ND (200)	ND (55)	ND
Carbon disulfide	ND (0.95)	ND (19)	ND (9.1)	ND (0.46)		ND (40)	ND (40)	ND (36)	ND
Carbon tetrachloride	-	ND (11)	ND (11)	ND (0.55)	ND (5.5)	ND (20)	ND (20)	ND (11)	ND
Chlorobenzene	ND (0.56)	ND (11)	ND (11)	ND (0.56)	ND (5.6)	ND (20)	ND (20)	ND (11)	ND
Chloroethane	**159**	**651**	**495**	1.8	**2620**	**5250**	**5400**	**4270**	ND
Chloroform	**8.8**	ND (10)	**10.1 J**	**11.9**	**34.4**	ND (20)	ND (20)	ND (10)	**12.9**
Chloromethane	ND (0.76)	ND (15)	ND (15)	ND (0.76)	ND (7.6)	ND (20)	ND (20)	ND (15)	ND c
Cyclohexane	ND (0.78)	ND (16)	ND (16)	ND (0.78)	ND (7.8)	ND (100)	ND (100)	ND (16)	ND
1,2-Dibromo-3-chloropropane	ND (1.2)	ND (24)	ND (24)	ND (0.53)	ND (5.3)	ND (40)	ND (40)	ND (11) c	ND
Dibromochloromethane	ND (0.56)	ND (11)	ND (11)	1.8	ND (5.6)	ND (20)	ND (20)	ND (11)	3.2
1,2-Dibromoethane	ND (0.48)	ND (9.5)	ND (9.5)	ND (0.48)	ND (4.8)	ND (20)	ND (20)	ND (9.5)	ND
1,2-Dichlorobenzene	ND (0.53)	ND (11)	ND (11)	ND (0.53)	ND (5.3)	ND (20)	ND (20)	ND (11)	ND
1,3-Dichlorobenzene	ND (0.54)	ND (11)	ND (11)	ND (0.54)	ND (5.4)	ND (20)	ND (20)	ND (11)	ND
1,4-Dichlorobenzene	ND (0.51)	ND (10)	ND (10)	ND (0.51)	ND (5.1)	ND (20)	ND (20)	ND (10)	ND
Dichlorodifluoromethane	ND (1.4)	ND (27)	ND (27)	ND (0.56) [a]	ND (5.6)	ND (40)	ND (40)	ND (11)	ND
1,1-Dichloroethane	**1060**	**4930**	**1240**	**31.8**	**4220**	**5680**	**5930**	**1140**	2.9
1,2-Dichloroethane	**4.5**	**15.2 J**	ND (12)	**0.72 J**	**16.3**	**46.2**	**46.3**	**21.4**	ND
1,1-Dichloroethene	**74.9**	**151**	**54.6**	2.3	**82.1**	**90.9**	**83.8**	**36.1**	ND
cis-1,2-Dichloroethene	0.54 J	ND (10)	ND (10)	ND (0.51)	ND (5.1)	ND (20)	ND (20)	ND (10)	ND
trans-1,2-Dichloroethene	0.57 J	ND (11)	ND (11)	ND (0.54)	ND (5.4)	ND (20)	ND (20)	ND (11)	ND
1,2-Dichloropropane	ND (0.51)	ND (10)	ND (10)	ND (0.51)	ND (5.1)	ND (20)	ND (20)	ND (10)	ND
cis-1,3-Dichloropropene	ND (0.47)	ND (9.4)	ND (9.4)	ND (0.47)	ND (4.7)	ND (20)	ND (20)	ND (9.4)	ND
trans-1,3-Dichloropropene	ND (0.43)	ND (8.6)	ND (8.6)	ND (0.43)	ND (4.3)	ND (20)	ND (20)	ND (8.6)	ND
1,4-Dioxane	ND (69)	ND (1400)	ND (1400)	ND (19)	ND (190)	ND (2500)	ND (2500)	ND (780)	ND
Ethylbenzene	ND (0.60)	ND (12)	ND (12)	ND (0.60)	ND (6.0)	ND (20)	ND (20)	ND (12)	ND
Freon 113	ND (1.9)	ND (39)	ND (39)	ND (0.58)	ND (5.8)	ND (100)	ND (100)	ND (12)	ND
2-Hexanone	ND (2.0)	ND (41)	ND (41)	ND (2.0)	ND (20)	ND (100) a	ND (100) a	ND (96)	ND
Isopropylbenzene	ND (0.65)	ND (13)	ND (13)	ND (0.65)	ND (6.5)	ND (20)	ND (20)	ND (13)	ND
Methyl Acetate	ND (0.80)	ND (16)	ND (16)	ND (0.80)	ND (8.0) b	ND (100) a	ND (100) a	ND (16) c	ND
Methylcyclohexane	ND (0.60)	ND (12)	ND (12)	ND (0.60)	ND (6.0)	ND (100)	ND (100)	ND (12)	ND
Methyl Tert Butyl Ether	ND (0.51)	ND (10)	ND (10)	ND (0.51)	ND (5.1)	ND (20)	ND (20)	ND (10)	ND
4-Methyl-2-pentanone(MIBK)	ND (1.9)	ND (37)	ND (37)	ND (1.9)	ND (19)	ND (100) a	ND (100) a	ND (97) c	ND
Methylene chloride	1.2 J	ND (20)	ND (20)	ND (1.0)	ND (10)	ND (40)	ND (40)	ND (20)	ND
Styrene	ND (0.70)	ND (14)	ND (9.7)	ND (0.49)	ND (4.9)	ND (20)	ND (20)	ND (9.7)	ND
1,1,2,2-Tetrachloroethane	ND (0.65)	ND (13)	ND (13)	ND (0.65)	ND (6.5)	ND (20)	ND (20)	ND (13)	ND
Tetrachloroethene	ND (0.90)	ND (18)	**30.5**	ND (0.90)	ND (9.0)	ND (20)	ND (20)	ND (11)	ND
Toluene	ND (0.53)	ND (11)	ND (11)	ND (0.53)	ND (5.3)	**11.9 J**	**11.7 J**	ND (9.8)	ND
1,2,3-Trichlorobenzene	ND (0.50)	ND (10)	ND (10)	ND (0.50)	ND (5.0)	ND (20)	ND (20)	ND (10)	ND
1,2,4-Trichlorobenzene	ND (0.50) a	ND (10)	ND (10)	ND (0.50)	ND (5.0)	ND (20)	ND (20)	ND (10) c	ND
1,1,1-Trichloroethane	**3020**	**10700**	**3140**	**196**	**4040**	**3200**	**3120**	**2180**	**21.9**
1,1,2-Trichloroethane	ND (0.53)	ND (11)	ND (11)	0.74 J	ND (5.3)	ND (20)	ND (20)	ND (11)	ND
Trichloroethene	1.4	ND (11)	ND (11)	1.7	ND (5.3)	ND (20)	ND (20)	ND (11)	ND
Trichlorofluoromethane	ND (0.84)	ND (17)	ND (8.0)	ND (0.40)	ND (4.0)	ND (40)	ND (40)	ND (8.0)	ND
Vinyl chloride	**3.7**	ND (16)	ND (16)	ND (0.79)	**16.9**	**64.5**	**62.1**	**11.0 J**	ND
m,p-Xylene	ND (0.78)	ND (16)	ND (16)	ND (0.78)	ND (7.8)	ND (20)	ND (20)	ND (16)	ND
o-Xylene	ND (0.59)	ND (12)	ND (12)	ND (0.59)	ND (5.9)	ND (20)	ND (20)	ND (12)	ND
Xylene (total)	ND (0.59)	ND (12)	ND (12)	ND (0.59)	ND (5.9)	ND (20)	ND (20)	ND (12)	ND

Notes
Concentrations in ug/L
Exceedances in TOGS highlighted in yellow and **bolded**
EW-1 NEW removed from the monitoring well network (5/6/2020)
ND = Not detected (below detection limit)
J = Estimated concentration
-- = Not Sampled Dry Well
* = Guidance Value
P = Product in Well, Not Sampled

Table 1: AFFCO Cummulative Analytical Results by Well - VOCs
Groundwater Monitoring Report
American Felt Filter Company

MS Volatiles (SW846 8260C)	NY TOGS Class GA GW Standards																					
Client Sample ID:		MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1 DUP	MW-1	MW-1 DUP	MW-1	MW-1	MW-1	MW-1 DUP	MW-1	MW-1 DUP
Lab Sample ID:		JB9172-5	JB10868-2	JB34670-5	JC66265-1	JC74100-2	JC79790-6	JC85268-7	JC90279-4	JC94022-4	JD685-5	JD4855-4	JD21587-1	JD21587-2	JD26722-1	JD26722-5	JD40427-1	JD50363-3	JD74203-1	JD74203-2	JD94531-1	JD94531-2
Date Sampled:		6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020	3/10/2021	3/10/2021	6/15/2021	6/15/2021	2/28/2022	8/19/2022	10/4/2023	10/4/2023	8/20/2024	8/20/2024
Acetone	-	99.7	ND (8.2)	ND (16)	ND (5.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)[a]	ND (6.0)[a]	ND (3.1)[a]	ND (3.1)[a]	ND (3.1)	8.0 J	ND (3.1) a	ND (3.1) a	ND	ND e
Benzene	1	ND (0.47)	ND (0.59)	ND (1.2)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.50)	ND (0.43)	ND (0.43)	ND	ND
Bromochloromethane	5	-	-	-	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (1.0)	ND (0.48)	ND (0.48)	ND	ND
Bromodichloromethane	-	ND (0.41)	ND (0.52)	ND (1.0)	2.4	ND (0.58)	0.66 J	3.9	3.9	0.61 J	ND (0.58)	ND (0.58)	0.63 J	0.59 J	1.3	0.98 J	0.52 J	ND (1.0)	ND (0.45)	ND (0.45)	2.6	2.6
Bromoform	-	ND (0.43)	ND (0.54)	ND (1.1)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)[a]	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (1.0)	ND (0.63)	ND (0.63)	ND	ND
Bromomethane	5	ND (0.44)	ND (0.55)	ND (1.1)	ND (1.4)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)[b]	ND (1.6)[b]	ND (1.6) a	ND (2.0)	ND (1.6) c	ND (1.6) c	ND c	ND c
2-Butanone (MEK)	-	184	ND (5.9)	ND (12)	ND (4.8)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (10)	ND (2.7) a	ND (2.7) a	ND	ND
Carbon disulfide	60	ND (0.38)	ND (0.47)	ND (0.95)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	0.74 J	ND (1.8)	ND (1.8)	ND	ND
Carbon tetrachloride	5	ND (0.43)	ND (0.54)	ND (1.1)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (1.0)	ND (0.55)	ND (0.55)	ND	ND
Chlorobenzene	5	ND (0.46)	ND (0.57)	ND (1.1)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (1.0)	ND (0.56)	ND (0.56)	ND	ND
Chloroethane	5	**228**	**641**	**136**	**9.1**	**168**	**168**	**8.5**	**8.7**	**32.9**	**4.4**	**41.3**	**12.4**	**8.6**	**25**	**24**	**62.1**	**344**	**109**	**140**	**165**	**168**
Chloroform	7	ND (0.41)	ND (0.51)	3.1 J	**29.3**	**21.6**	**7.5**	**12.1**	**40**	**29.1**	**4.9**	**2.2**	3.8	3.5	**8.3**	**7.7**	4.8	0.87 J	4.5	4.1	**8.8**	**9.6**
Chloromethane	5	ND (0.41)	ND (0.52)	ND (1.0)	ND (0.53)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)[b]	ND (0.76)[b]	ND (0.76)	ND (1.0)	ND (0.76) c	ND (0.76) c	ND	ND
Cyclohexane	-	-	-	-	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (5.0)	ND (0.78)	ND (0.78)	ND	ND
1,2-Dibromo-3-chloropropane	0.04	-	-	-	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.53)	ND (0.53)	ND (0.53)	ND (2.0)	ND (0.53)	ND (0.53)	ND	ND
Dibromochloromethane	-	ND (0.27)	ND (0.34)	ND (0.68)	ND (0.16)	ND (0.56)	ND (0.56)	2.1	0.69 J	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (1.0)	ND (0.56)	ND (0.56)	1.2	1.2
1,2-Dibromoethane	0.0006	-	-	-	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (1.0)	ND (0.48)	ND (0.48)	ND	ND
1,2-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (1.0)	ND (0.53)	ND (0.53)	ND	ND
1,3-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (1.0)	ND (0.54)	ND (0.54)	ND	ND
1,4-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND (0.51)	ND	ND
Dichlorodifluoromethane	5	-	-	-	ND (1.9)[a]	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (0.56)[b]	ND (0.56)[b]	ND (0.56)	ND (2.0)	ND (0.56)	ND (0.56)	ND	ND
1,1-Dichloroethane	5	**84.7**	**146**	**438**	**23.9**	**125**	**60.9**	**5.5**	**12**	**37.1**	**31**	**76.1**	**36.3**	**32.3**	**83.6**	**82.8**	**57.2**	**101**	**54.5**	**59.7**	**31.5**	**33.7**
1,2-Dichloroethane	0.6	**2.9**	**4.8**	**5.2**	ND (0.20)	**1**	**0.82 J**	ND (0.60)	ND (0.60)	0.78 J	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	**2.3**	ND (0.60)	ND (0.60)	ND	ND
1,1-Dichloroethene	5	4.1	**6**	**36.6**	2.1	3.3	1.4	ND (0.59)	1.2	1.3	3.7	1.4	2.6	2.6	2.8	2.9	**6.4**	1.1	3.2	3.3	1.7	2.1
cis-1,2-Dichloroethene	5	ND (0.38)	0.73 J	ND (0.94)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	0.83 J	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	0.74 J	ND (0.51)	ND (0.51)	ND	ND
trans-1,2-Dichloroethene	5	ND (0.42)	ND (0.53)	ND (1.1)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	0.67 J	ND (0.54)	ND (0.54)	ND	ND
1,2-Dichloropropane	-	ND (0.97)	ND (1.2)	ND (2.4)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND (0.51)	ND	ND
cis-1,3-Dichloropropene	-	ND (0.41)	ND (0.52)	ND (1.0)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.0)	ND (0.47)	ND (0.47)	ND	ND
trans-1,3-Dichloropropene	-	ND (0.38)	ND (0.47)	ND (0.95)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (1.0)	ND (0.43)	ND (0.43)	ND	ND
1,4-Dioxane	5	-	-	-	ND (52)	ND (69) a	ND (69) a	ND (69)	ND (69)	ND (69)	ND (69)	ND (69)	ND (69)	ND (69)	ND (19)	ND (19)	ND (19)	ND (130)	ND (39)	ND (39)	ND	**70.9 J**
Ethylbenzene	5	ND (0.46)	ND (0.57)	ND (1.1)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.0)	ND (0.60)	ND (0.60)	ND	ND
Freon 113	-	-	-	-	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (0.58)	ND (0.58)	ND (0.58)	ND (5.0)	ND (0.58)	ND (0.58)	ND	ND
2-Hexanone	5	ND (2.3)	ND (2.8)	ND (5.7)	ND (3.3)	ND (2.0) a	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (5.0) a	ND (4.8)	ND (4.8)	ND	ND
Isopropylbenzene	-	-	-	-	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (1.0)	ND (0.65)	ND (0.65)	ND	ND
Methyl Acetate	-	-	-	-	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80) b	ND (5.0) a	ND (0.80)	ND (0.80)	ND	ND
Methylcyclohexane	10	-	-	-	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (5.0)	ND (0.60)	ND (0.60)	ND	ND
Methyl Tert Butyl Ether	-	ND (0.33)	ND (0.41)	ND (0.82)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (1.0)	ND (0.51)	ND (0.51)	ND	ND
4-Methyl-2-pentanone(MIBK)	5	ND (1.7)	ND (2.1)	ND (4.1)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (5.0) a	ND (4.9)	ND (4.9)	ND	ND
Methylene chloride	5	ND (1.4)	ND (1.8)	ND (3.5)	ND (1.0)	3.4	1.7 J	ND (1.0)	ND (1.0)	4.6	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (2.0)	ND (1.0)	ND (1.0)	ND	ND
Styrene	5	ND (0.43)	ND (0.54)	ND (1.1)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (1.0)	ND (0.49)	ND (0.49)	ND	ND
1,1,2,2-Tetrachloroethane	5	ND (0.43)	ND (0.54)	ND (1.1)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (1.0)	ND (0.65)	ND (0.65)	ND	ND
Tetrachloroethene	5	ND (0.56)	ND (0.70)	ND (1.4)	ND (0.50)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (1.0)	ND (0.56)	ND (0.56)	ND	ND
Toluene	5	ND (0.45)	ND (0.57)	1.6 J	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (1.0)	ND (0.49)	ND (0.49)	ND	ND
1,2,3-Trichlorobenzene	5	-	-	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND	ND
1,2,4-Trichlorobenzene	5	-	-	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND	ND
1,1,1-Trichloroethane	1	**131**	**82.4**	**1560**	**90.5**	**145**	**95**	**23.5**	**96.9**	**112**	**520**	**229**	**349**	**370**	**317**	**326**	**356**	**63.8**	**177**	**177**	**57.0**	**62.5**
1,1,2-Trichloroethane	5	ND (0.57)	ND (0.72)	ND (1.4)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (1.0)	ND (0.53)	ND (0.53)	ND	ND
Trichloroethene	5	1.1 J	1.6 J	**6.2**	1.2	2.2	1.4	ND (0.53)	0.57 J	0.84 J	0.76 J	0.80 J	0.85 J	0.84 J	0.93 J	1	0.81 J	0.66 J	2.1	2.1	1.1	1.2
Trichlorofluoromethane	2	-	-	-	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (2.0)	ND (0.40)	ND (0.40)	ND	ND
Vinyl chloride	2	0.91 J	2.0 J	ND (1.0)	ND (0.62)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	**2.1**	ND (0.52)	ND (0.52)	ND	ND
m,p-Xylene	5	-	-	-	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (1.0)	ND (0.78)	ND (0.78)	ND	ND
o-Xylene	5	-	-	-	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (1.0)	ND (0.59)	ND (0.59)	ND	ND
Xylene (total)	5	ND (0.48)	ND (0.60)	ND (1.2)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (1.0)	ND (0.59)	ND (0.59)	ND	ND

MS Volatiles (SW846 8260C)	NY TOGS Class GA GW Standards																
Client Sample ID:		S-8	S-8	S-8	S-8	S-8	S8	S-8	S-8	S-8	S-8	S-8	S-8	S-8	S-8	S-8 DUP	S-8
Lab Sample ID:		JB9172-6	JB10868-3	JB34670-2	JC66265-3	JC74100-4	JC79790-3	JC85268-2	JC90279-2	JC94022-2	JD685-3	JD4855-2	JD21587-3	JD26722-3	JD40427-3	JD40427-5	JD50363-1
Date Sampled:		6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020	3/10/2021	6/15/2021	2/28/2022	2/28/2022	8/19/2022
Acetone	-	ND (3.3)	ND (3.3)	ND (3.3)	ND (25)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)[a]	ND (3.1)[a]	ND (3.1)	ND (3.1)	ND (10) a
Benzene	1	ND (0.24)	ND (0.24)	ND (0.24)	ND (0.87)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.50)
Bromochloromethane	5	-	-	-	ND (1.9)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (1.0)
Bromodichloromethane	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (1.1)	ND (0.58)	ND (0.58)	1	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.45)	ND (0.45)	ND (0.45)	ND (0.45)	ND (1.0)
Bromoform	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (2.1)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)[a]	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)	ND (1.0)
Bromomethane	5	ND (0.22)	ND (0.22)	ND (0.22)	ND (6.9)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6) a	ND (1.6) a	ND (1.6)	ND (1.6)[b]	ND (1.6) a	ND (1.6)	ND (2.0)
2-Butanone (MEK)	-	ND (2.4)	ND (2.4)	ND (2.4)	ND (24)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (10)
Carbon disulfide	60	ND (0.19)	ND (0.19)	ND (0.19)	ND (2.5)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.46)	ND (0.46)	ND (0.46)	ND (0.46)	ND (2.0)
Carbon tetrachloride	5	ND (0.22)	ND (0.22)	ND (0.22)	ND (1.7)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (1.0)
Chlorobenzene	5	ND (0.23)	ND (0.23)	ND (0.23)	ND (1.2)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (1.0)
Chloroethane	5	**75.5**	**57**	ND (0.26)	**11**	1	3	0.98 J	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	ND (0.73)	0.86 J	0.94 J	ND (0.73) a	2.7
Chloroform	7	ND (0.20)	ND (0.20)	ND (0.20)	3.8 J	0.81 J	1.3	3.9	**8.4**	ND (0.50)	1.8	2.3	2.7	3.8	1.8	1.4	ND (1.0)
Chloromethane	5	ND (0.21)	ND (0.21)	ND (0.21)	ND (2.7)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)[b]	ND (0.76)	ND (0.76)	ND (1.0)
Cyclohexane	-	-	-	-	ND (3.2)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (5.0)
1,2-Dibromo-3-chloropropane	0.04	-	-	-	ND (3.4)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (0.53)	ND (0.53)	ND (0.53)	ND (2.0)
Dibromochloromethane	-	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.82)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (1.0)
1,2-Dibromoethane	0.0006	-	-	-	ND (1.1)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (1.0)
1,2-Dichlorobenzene	3	-	-	-	ND (2.5)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (1.0)
1,3-Dichlorobenzene	3	-	-	-	ND (2.5)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (1.0)
1,4-Dichlorobenzene	3	-	-	-	ND (2.5)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (1.0)
Dichlorodifluoromethane	5	-	-	-	ND (9.3)[a]	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (0.56)[b]	ND (0.56)	ND (0.56)	ND (2.0)
1,1-Dichloroethane	5	**137**	**145**	**11.8**	**19.3**	**25.7**	**19.2**	**7.4**	**6.7**	**7.9**	**15.5**	**6.2**	2.6	3.7	**5.1**	4	**6.3**
1,2-Dichloroethane	0.6	**0.69 J**	**0.64 J**	**0.70 J**	**3.1 J**	**1.7**	**3.1**	**1.3**	**1.4**	**2.4**	**1.9**	**1**	**0.66 J**	**0.98 J**	**1.3**	**1.4**	**1.8**
1,1-Dichloroethene	5	**5.1**	4.1	3.5	**11.7**	5	**9.2**	**4.4**	**5.4**	**7.2**	**8**	**3.5**	2.6	4	4.8	4.3	**5.5**
cis-1,2-Dichloroethene	5	ND (0.19)	0.21 J	0.54 J	ND (2.5)	0.98 J	1.3	0.78 J	0.77 J	1.1	1.3	0.73 J	0.52 J	0.83 J	1	0.85 J	1
trans-1,2-Dichloroethene	5	ND (0.21)	ND (0.21)	ND (0.21)	ND (2.0)	ND (0.54)	0.86 J	ND (0.54)	0.59 J	0.66 J	0.78 J	ND (0.54)	ND (0.54)	ND (0.54)	0.66 J	ND (0.54)	0.61 J
1,2-Dichloropropane	-	ND (0.48)	ND (0.48)	ND (0.48)	ND (1.2)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (1.0)
cis-1,3-Dichloropropene	-	ND (0.21)	ND (0.21)	ND (0.21)	ND (1.3)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (1.0)
trans-1,3-Dichloropropene	-	ND (0.19)	ND (0.19)	ND (0.19)	ND (1.1)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (1.0)
1,4-Dioxane	5	-	-	-	ND (260)	ND (69) a	ND (69) a	ND (69)	ND (69)	ND (69)	ND (69)	ND (69)	ND (69)	ND (19)	ND (19)	ND (19)	ND (130)
Ethylbenzene	5	ND (0.23)	ND (0.23)	ND (0.23)	ND (1.1)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (1.0)
Freon 113	-	-	-	-	ND (6.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9) a	ND (1.9)	ND (1.9)	ND (0.58)	ND (0.58)	ND (0.58)	ND (5.0)
2-Hexanone	5	ND (1.1)	ND (1.1)	ND (1.1)	ND (16)	ND (2.0) a	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (5.0) a
Isopropylbenzene	-	-	-	-	ND (1.3)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (1.0)
Methyl Acetate	-	-	-	-	ND (15)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80) b	ND (0.80)	ND (5.0) a
Methylcyclohexane	10	-	-	-	ND (9.2)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60) a	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (5.0)
Methyl Tert Butyl Ether	-	ND (0.16)	ND (0.16)	ND (0.16)	ND (1.3)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (1.0)
4-Methyl-2-pentanone(MIBK)	5	ND (0.83)	ND (0.83)	ND (0.83)	ND (15)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (5.0) a
Methylene chloride	5	ND (0.70)	ND (0.70)	ND (0.70)	ND (5.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (2.0)
Styrene	5	ND (0.21)	ND (0.21)	ND (0.21)	ND (1.2)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.49)	ND (0.49)	ND (0.49)	ND (0.49)	ND (1.0)
1,1,2,2-Tetrachloroethane	5	ND (0.21)	ND (0.21)	ND (0.21)	ND (0.84)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (1.0)
Tetrachloroethene	5	ND (0.28)	ND (0.28)	ND (0.28)	ND (2.5)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (1.0)
Toluene	5	2.6	ND (0.23)	ND (0.23)	ND (1.2)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (1.0)
1,2,3-Trichlorobenzene	5	-	-	-	ND (2.5)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)
1,2,4-Trichlorobenzene	5	-	-	-	ND (2.5)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)
1,1,1-Trichloroethane	1	**17.9**	**30.5**	1.4	**617**	**50.7**	**21.3**	4	2	2.9	**53.5**	1.9	0.73 J	1.2	1.3	1.2	1.2
1,1,2-Trichloroethane	5	ND (0.29)	ND (0.29)	ND (0.29)	ND (1.2)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (1.0)
Trichloroethene	5	ND (0.22)	ND (0.22)	1.1	2.0 J	1.7	2.1	1.1	1.4	1.8	1.7	0.92 J	0.78 J	1	1.1	1.2	1.2
Trichlorofluoromethane	2	-	-	-	ND (3.0)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.40)	ND (0.40)	ND (0.40)	ND (0.40)	ND (2.0)
Vinyl chloride	2	0.77 J	0.65 J	ND (0.21)	ND (3.1)	ND (0.79)	1.5	ND (0.79)	ND (0.79)	1	1	ND (0.79)	ND (0.79)	ND (0.79)	0.92 J	ND (0.79)	1.3
m,p-Xylene	5	-	-	-	ND (2.1)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (1.0)
o-Xylene	5	-	-	-	ND (1.1)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (1.0)
Xylene (total)	5	ND (0.24)	ND (0.24)	ND (0.24)	ND (1.1)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (1.0)

MS Volatiles (SW846 8260C)	NY TOGS Class GA GW Standards											
Client Sample ID:		E-1 NEW	E-1 NEW	E-1 NEW	E-1 NEW	E-1 NEW	E1-NEW	E1-NEW	E1-NEW	E-1 NEW	E-1 NEW	E-1 NEW
Lab Sample ID:		-	JB10868-6	JB34670-4	JC66265-2	JC74100-5	JC79790-4	JC85268-3	JC90279-3	JC94022-1	JD685-1	JD4855-1
Date Sampled:		6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020
Acetone	-	-	ND (3.3)	ND (3.3)	ND (5.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)	ND (6.0)
Benzene	1	-	ND (0.24)	ND (0.24)	ND (0.17)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
Bromochloromethane	5	-	-	-	ND (0.38)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
Bromodichloromethane	-	-	ND (0.21)	ND (0.21)	ND (0.22)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)	ND (0.58)
Bromoform	-	-	ND (0.21)	ND (0.21)	ND (0.42)	ND (0.63)	ND (0.63)	ND (0.63)	ND (0.63)[a]	ND (0.63)	ND (0.63)	ND (0.63)
Bromomethane	5	-	ND (0.22)	ND (0.22)	ND (1.4)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6)	ND (1.6) a
2-Butanone (MEK)	-	-	ND (2.4)	ND (2.4)	ND (4.8)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)	ND (6.9)
Carbon disulfide	60	-	ND (0.19)	ND (0.19)	ND (0.50)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)	ND (0.95)
Carbon tetrachloride	5	-	ND (0.22)	ND (0.22)	ND (0.34)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)	ND (0.55)
Chlorobenzene	5	-	ND (0.23)	ND (0.23)	ND (0.24)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
Chloroethane	5	-	ND (0.26)	**73.9**	**139**	**89.6**	**41.2**	**98.8**	**113**	**116**	**113**	**102**
Chloroform	7	-	ND (0.20)	ND (0.20)	ND (0.29)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
Chloromethane	5	-	ND (0.21)	ND (0.21)	ND (0.53)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)	ND (0.76)
Cyclohexane	-	-	-	-	ND (0.63)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	0.04	-	-	-	ND (0.69)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
Dibromochloromethane	-	-	ND (0.14)	ND (0.14)	ND (0.16)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)	ND (0.56)
1,2-Dibromoethane	0.0006	-	-	-	ND (0.21)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)	ND (0.48)
1,2-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	3	-	-	-	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	5	-	-	-	ND (1.9)[a]	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
1,1-Dichloroethane	5	-	**18**	**154**	**54.3**	3.2	0.88 J	3.4	4	2.5	3.4	2.1
1,2-Dichloroethane	0.6	-	**1.7**	ND (0.26)	ND (0.20)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
1,1-Dichloroethene	5	-	4.5	5	3.3	1.3	ND (0.59)	0.97 J	1.3	1.3	1.6	1.4
cis-1,2-Dichloroethene	5	-	0.78 J	ND (0.19)	ND (0.50)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	5	-	0.33 J	ND (0.21)	ND (0.40)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,2-Dichloropropane	-	-	ND (0.48)	ND (0.48)	ND (0.24)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	-	-	ND (0.21)	ND (0.21)	ND (0.25)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)	ND (0.47)
trans-1,3-Dichloropropene	-	-	ND (0.19)	ND (0.19)	ND (0.22)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)	ND (0.43)
1,4-Dioxane	5	-	-	-	ND (52)	ND (69) a	ND (69) a	ND (69)	ND (69)	ND (69)	ND (69)	ND (69)
Ethylbenzene	5	-	ND (0.23)	ND (0.23)	ND (0.22)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Freon 113	-	-	-	-	ND (1.2)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
2-Hexanone	5	-	ND (1.1)	ND (1.1)	ND (3.3)	ND (2.0) a	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)
Isopropylbenzene	-	-	-	-	ND (0.25)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Methyl Acetate	-	-	-	-	ND (3.1)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)	ND (0.80)
Methylcyclohexane	10	-	-	-	ND (1.8)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)
Methyl Tert Butyl Ether	-	-	ND (0.16)	ND (0.16)	ND (0.25)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	5	-	ND (0.83)	ND (0.83)	ND (3.0)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)	ND (1.9)
Methylene chloride	5	-	ND (0.70)	ND (0.70)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Styrene	5	-	ND (0.21)	ND (0.21)	ND (0.24)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)	ND (0.70)
1,1,2,2-Tetrachloroethane	5	-	ND (0.21)	ND (0.21)	ND (0.17)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)	ND (0.65)
Tetrachloroethene	5	-	ND (0.28)	ND (0.28)	ND (0.50)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)	ND (0.90)
Toluene	5	-	ND (0.23)	ND (0.23)	ND (0.25)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
1,2,3-Trichlorobenzene	5	-	-	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	5	-	-	-	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)	ND (0.50)	ND (0.50) a	ND (0.50)
1,1,1-Trichloroethane	1	-	2	**48.4**	ND (0.25)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)	ND (0.54)
1,1,2-Trichloroethane	5	-	ND (0.29)	ND (0.29)	ND (0.24)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichloroethene	5	-	1.7	ND (0.22)	ND (0.27)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)	ND (0.53)
Trichlorofluoromethane	2	-	-	-	ND (0.60)	ND (0.84)	ND (0.84) a	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)	ND (0.84)
Vinyl chloride	2	-	0.65 J	ND (0.21)	ND (0.62)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)	ND (0.79)
m,p-Xylene	5	-	-	-	ND (0.43)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)	ND (0.78)
o-Xylene	5	-	-	-	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)
Xylene (total)	5	-	ND (0.24)	ND (0.24)	ND (0.22)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)	ND (0.59)

Notes
Concentrations in ug/L
Exceedances in TOGS highlighted in yellow and **bolded**
EW-1 NEW removed from the monitoring well network (5/6/2020)
ND = Not detected (below detection limit)
J = Estimated concentration
-- = Not Sampled Dry Well
* = Guidance Value
P = Product in Well, Not Sampled

Table 1: AFFCO Cummulative Analytical Results by Well - Metals
Groundwater Monitoring Report
American Felt Filter Company

Metals Analysis																			
Client Sample ID:		EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X	EW-1X
Lab Sample ID:		JB9172	JB10868	JB34670-1	JC66265-5	JC74100-1	JC79790-5	JC85268-6	JC90279-6	JC90279-6	JC94022-3	JD685-4	JD4855-3	-	-	-	-	JD74203-4	JD94531-4
Date Sampled:		6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020	3/10/2021	6/15/2021	2/28/2022	8/19/2022	10/4/2023	8/20/2024
Iron	300	-	-	**934000**	-	**5420**	-	**1110**	-	-	**3190**	**4390**	-	-	-	-	-	**14900**	-

Metals Analysis																	
Client Sample ID:	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0	EW-0
Lab Sample ID:	JB9172-1	JB10868-1	JB34670-3	JC66265-4	JC74100-3	JC79790-1	JC85268-1	JC90279-1	JC94022-5	JD685-2	JD4855-5	JD21587-4	JD26722-2	JD40427-2	JD50363-2	JD74203-3	JD94531-3
Date Sampled:	6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020	3/10/2021	6/15/2021	2/28/2022	8/19/2022	10/4/2023	8/20/2024
Iron	**3480**	-	**546**	**1980**	**604**	**1510**	**596**	**492**	**562**	**533**	**1310**	**1090**	**396**	**1540**	**6720**	**1040**	<100

Metals Analysis																	
Client Sample ID:	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Lab Sample ID:	JB9172-5	JB10868-2	JB34670-5	JC66265-1	JC74100-2	JC79790-6	JC85268-7	JC90279-4	JC94022-4	JD685-5	JD4855-4	JD21587-1	JD26722-1	JD40427-1	JD50363-3	JD74203-1	JD94531-1
Date Sampled:	6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020	3/10/2021	6/15/2021	2/28/2022	8/19/2022	10/4/2023	8/20/2024
Iron	-	-	**805**	267	**11600**	**500**	**129**	**167**	**3380**	**102**	**888**	**<100**	**775**	**479**	**12000**	**449**	**746**

Metals Analysis															
Client Sample ID:	S-8	S-8	S-8	S-8	S-8	S8	S-8	S-8	S-8	S-8	S-8	S-8	S-8	S-8	S-8
Lab Sample ID:	JB9172-6	JB10868-3	JB34670-2	JC66265-3	JC74100-4	JC79790-3	JC85268-2	JC90279-2	JC94022-2	JD685-3	JD4855-2	JD21587-3	JD26722-3	JD40427-3	JD50363-1
Date Sampled:	6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020	3/10/2021	6/15/2021	2/28/2022	8/19/2022
Iron	**3290**	-	**5790**	**2230**	**1100**	**1020**	**664**	**1660**	**1840**	**1260**	**7030**	**473**	**570**	**709**	**3200**

Metals Analysis											
Client Sample ID:	E-1 NEW	E-1 NEW	E-1 NEW	E-1 NEW	E-1 NEW	E1-NEW	E1-NEW	E1-NEW	E-1 NEW	E1-NEW	E-1NEW
Lab Sample ID:	-	JB10868-6	JB34670-4	JC66265-2	JC74100-5	JC79790-4	JC85268-3	JC90279-3	JC94022-1	JD685-1	JD4855-1
Date Sampled:	6/15/2012	7/10/2012	4/17/2013	5/15/2018	9/18/2018	12/13/2018	3/26/2019	6/19/2019	8/27/2019	12/19/2019	3/17/2020
Iron	-	-	**804**	192	222	131	<100	<100	169	196	<100

Notes
Concentrations in ug/L
Exceedances in TOGS highlighted in yellow and **bolded**
EW-1 NEW removed from the monitoring well network (5/6/2020)
ND = Not detected (below detection limit)
J = Estimated concentration
-- = Not Sampled Dry Well
* = Guidance Value
Iron is not a COCs
U - Below detection limit
B - Analyte was found in the associated blank
NA = Not analyzed
P = Product in Well, Not Sampled

Table 1: AFFCO Cummulative Analytical Results by Well - General Chemistry
Groundwater Monitoring Report
American Felt Filter Company

General Chemistry Client Sample ID: Lab Sample ID: Date Sampled:	NY TOGS Class GA GW Standards	EW-1X JB9172 6/15/2012	EW-1X JB10868 7/10/2012	EW-1X JB34670-1 4/17/2013	EW-1X JC66265-5 5/15/2018	EW-1X JC74100-1 9/18/2018	EW-1X JC79790-5 12/13/2018	EW-1X JC85268-6 3/26/2019	EW-1X JC90279-6 6/19/2019	EW-1X JC90279-6 6/19/2019	EW-1X JC94022-3 8/27/2019	EW-1X JD685-4 12/19/2019	EW-1X JD4855-3 3/17/2020	EW-1X - 3/10/2021	EW-1X - 6/15/2021	EW-1X - 2/28/2022	EW-1X - 8/19/2022	EW-1X - 10/4/2023	EW-1X - 8/20/2024	EW-0 JB9172-1 6/15/2012	EW-0 JB10868-1 7/10/2012	EW-0 JB34670-3 4/17/2013	EW-0 JC66265-4 5/15/2018	EW-0 JC74100-3 9/18/2018	EW-0 JC79790-1 12/13/2018	EW-0 JC85268-1 3/26/2019	EW-0 JC90279-1 6/19/2019	EW-0 JC94022-5 8/27/2019	EW-0 JD685-2 12/19/2019	EW-0 JD4855-5 3/17/2020	EW-0 JD21587-4 3/10/2021	EW-0 JD26722-2 6/15/2021	EW-0 JD40427-2 2/28/2022	EW-0 JD50363-2 8/19/2022	EW-0 JD74203-3 10/4/2023	EW-0 JD94531-3 8/20/2024
Alkalinity, Carbonate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5.0	-	-	47.9 [a]	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity, Total as CaCO3	-	-	-	89.2	-	305 b	-	244 b	-	-	-	109 b	262 b	-	-	-	-	-	-	218	-	124	47.9 [a]	121 b	179 c	151 b	55.0 b	-	162 b	191 b	181 b	144 c	193 c	187 c	261 [d]	141 [a]
Chloride	250	-	-	52.6	-	54.5	-	54.8	-	-	-	78	75.3	-	-	-	-	-	-	162	-	114	16	49	81.7	82.8	12.9	24.9	102	178	61	84.3	131	193	118	69.8
Iron, Ferrous	-	-	-	-	-	1.6 c	-	<0.20 c	-	-	-	<0.20 c	<0.20 c	-	-	-	-	-	-	-	-	-	<0.20 [c]	<0.20 c	<0.20 d	<0.20 c	<0.20 c	<0.20 a	<0.20 c	<0.20 c	<0.20 c	<0.20 d	<0.20 d	<0.20 d	<0.20 [e]	<0.20 [c]
Sulfate	10	-	-	**29.2**	-	**78.2**	-	**31.4**	-	-	-	**77.9**	**78.7**	-	-	-	-	-	-	**13.7**	-	**93.8**	4.8	**13.5**	**16.9**	**20.9**	5.1	**17**	**20**	7	**42.5**	**17.2**	**16.5**	8.1	18.2	**15.5**
Sulfide	10	-	-	-	<2.0	<2.0	-	<2.0	-	-	-	<2.0	-	-	-	-	-	-	-	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Notes
Concentrations in mg/L
Exceedances in TOGS highlighted in yellow and **bolded**
EW-1 NEW removed from the monitoring well network (5/6/2020)
-- = Not Sampled Dry Well
P = Product in Well, Not Sampled
b Sample was titrated to a final pH of 4.5.
c Field analysis required. Received out of hold time and analyzed by request.

Table 1: AFFCO Cummulative Analytical Results by Well - General Chemistry
Groundwater Monitoring Report
American Felt Filter Company

General Chemistry Client Sample ID: Lab Sample ID: Date Sampled:	NY TOGS Class GA GW Standards	MW-1 JB9172-5 6/15/2012	MW-1 JB10868-2 7/10/2012	MW-1 JB34670-5 4/17/2013	MW-1 JC66265-1 5/15/2018	MW-1 JC74100-2 9/18/2018	MW-1 JC79790-6 12/13/2018	MW-1 JC85268-7 3/26/2019	MW-1 JC90279-4 6/19/2019	MW-1 JC94022-4 8/27/2019	MW-1 JD685-5 12/19/2019	MW-1 JD4855-4 3/17/2020	MW-1 JD21587-1 3/10/2021	MW-1 JD26722-1 6/15/2021	MW-1 JD40427-1 2/28/2022	MW-1 JD50363-3 8/19/2022	MW-1 JD74203-1 10/4/2023	MW-1 JD94531-1 8/20/2024
Alkalinity, Carbonate	-	-	-	-	82.1 b	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity, Total as CaCO3	-	-	-	274	82.1 b	100 b	163 c	146 b	97.0 b	-	126 b	122 b	102 b	114 c	106 c	192 c	151 d	141 b
Chloride	250	-	-	57.1	23.1	36	77.3	79.9	43.2	30.4	72.9	131	88.4	82.3	83.9	118	104	71.5
Iron, Ferrous	-	-	-	-	<0.20 c	<0.20 c	<0.20 d	<0.20 c	<0.20 c	<0.20 a	<0.20 c	<0.20 c	<0.20 c	<0.20 d	<0.20 d	<0.20 d	<0.20 e	<0.20 a
Sulfate	10	-	-	**104**	**12.7**	**11.8**	**18.8**	**23.3**	7.9	4.3	**21.3**	**35.8**	**30.2**	**16.1**	**14.4**	2	**13.8**	**15.1**
Sulfide	10	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

General Chemistry Client Sample ID: Lab Sample ID: Date Sampled:	S-8 JB9172-6 6/15/2012	S-8 JB10868-3 7/10/2012	S-8 JB34670-2 4/17/2013	S-8 JC66265-3 5/15/2018	S-8 JC74100-4 9/18/2018	S8 JC79790-3 12/13/2018	S-8 JC85268-2 3/26/2019	S-8 JC90279-2 6/19/2019	S-8 JC94022-2 8/27/2019	S-8 JD685-3 12/19/2019	S-8 JD4855-2 3/17/2020	S-8 JD21587-3 3/10/2021	S-8 JD26722-3 6/15/2021	S-8 JD40427-3 2/28/2022	S-8 JD50363-1 8/19/2022
Alkalinity, Carbonate	-	-	-	95.9 b	-	-	-	-	-	-	-	-	-	-	-
Alkalinity, Total as CaCO3	125	-	111	95.9 b	71.7 b	106 c	123 b	85.0 b	-	111 b	92.0 b	88.5 b	102 c	105 c	432 c
Chloride	47.7	-	43.8	102	50.8	93.4	86.6	46.5	92.1	83.1	90.4	87.4	88.5	95.1	97.3
Iron, Ferrous	-	-	-	<0.20 c	<0.20 c	0.21 d	<0.20 c	<0.20 c	<0.20 a	<0.20 c	<0.20 c	<0.20 c	<0.20 d	<0.20 d	<0.20 d
Sulfate	<10	-	**17.2**	**15.7**	**10.1**	**13.5**	**21.4**	**13.3**	**12.1**	**17.5**	**16.1**	**24**	**17.7**	**14.6**	16
Sulfide	<2.0	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 d	<2.0	<2.0	<2.0	<2.0	<2.0

General Chemistry Client Sample ID: Lab Sample ID: Date Sampled:	E-1 NEW - 6/15/2012	E-1 NEW JB10868-6 7/10/2012	E-1 NEW JB34670-4 4/17/2013	E-1 NEW JC66265-2 5/15/2018	E-1 NEW JC74100-5 9/18/2018	E-1 NEW JC74100-5 9/18/2018	E1-NEW JC85268-3 3/26/2019	E1-NEW JC90279-3 6/19/2019	E-1 NEW JC94022-1 8/27/2019	E-1 NEW JD685-1 12/19/2019	E-1NEW JD4855-1 3/17/2020
Alkalinity, Carbonate	-	-	-	248 b	-	-	-	-	-	-	-
Alkalinity, Total as CaCO3	-	-	260	248 b	185 b	188 c	220 b	241 b	-	202 b	200 b
Chloride	-	-	37.1	35	31.5	26.1	36.5	33.9	34.5	33.8	34.1
Iron, Ferrous	-	-	-	<0.20 c	<0.20 c	<0.20 d	<0.20 c	<0.20 c	<0.20 a	<0.20 c	<0.20 c
Sulfate	-	-	<10	3.5	<2.0	2.2	4	2.4	2.1	4.7	<2.0
Sulfide	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Notes
Concentrations in mg/L
Exceedances in TOGS highlighted in yellow and **bolded**
EW-1 NEW removed from the monitoring well network (5/6/2020)
-- = Not Sampled Dry Well
P = Product in Well, Not Sampled
b Sample was titrated to a final pH of 4.5.
c Field analysis required. Received out of hold time and analyzed by rec

Table 1: AFFCO Cummulative Analytical Results by Well - General Chemistry Volatiles
Groundwater Monitoring Report
American Felt Filter Company

General Chemistry Volatiles (RSK-175) Client Sample ID: Lab Sample ID: Date Sampled:	NY TOGS Class GA GW Standards	EW-1X JB9172 6/15/2012	EW-1X JB10868 7/10/2012	EW-1X JB34670-1 4/17/2013	EW-1X JC66265-5 5/15/2018	EW-1X JC74100-1 9/18/2018	EW-1X JC79790-5 12/13/2018	EW-1X JC85268-6 3/26/2019	EW-1X JC90279-6 6/19/2019	EW-1X JC94022-3 8/27/2019	EW-1X JD685-4 12/19/2019	EW-1X JD4855-3 3/17/2020	EW-1X 3/10/2021	EW-1X JD26722-4 6/15/2021	EW-1X JD40427-4 2/28/2022	EW-1X JD50363-4 8/19/2022	EW-1X JD74203-4 10/4/2023	EW-1X JD94531-4 8/20/2024
Methane	-	-	-	-	100	-	932	6	-	0.49	15.8	41.6	--	-	3900	2290	226	3470
Ethane	-	-	-	-	0.54	-	3	ND (0.099)	-	ND (0.099)	ND (0.099)	0.31	--	-	1.6	ND (12)	0.62	2.66
Ethene	-	-	-	-	0.55	-	1.7	ND (0.072)	-	ND (0.072)	ND (0.072)	ND (0.16)	--	-	ND (0.16)	ND (16)	0.34	0.23 J
Carbon Dioxide	-	-	-	-	2970	4320	-	3390	-	5830	3780	3460	--	-	4430	7230	7250	7410

General Chemistry Volatiles (RSK-175) Client Sample ID: Lab Sample ID: Date Sampled:	EW-0 JB9172-1 6/15/2012	EW-0 JB10868-1 7/10/2012	EW-0 JB34670-3 4/17/2013	EW-0 JC66265-4 5/15/2018	EW-0 JC74100-3 9/18/2018	EW-0 JC79790-1 12/13/2018	EW-0 JC85268-1 3/26/2019	EW-0 JC90279-1 6/19/2019	EW-0 JC94022-5 8/27/2019	EW-0 JD685-2 12/19/2019	EW-0 JD4855-5 3/17/2020	EW-0 JD21587-4 3/10/2021	EW-0 JD26722-2 6/15/2021	EW-0 JD40427-2 2/28/2022	EW-0 JD50363-2 8/19/2022	EW-0 JD74203-3 10/4/2023	EW-0 JD94531-3 8/20/2024
Methane	-	-	-	0.36	-	205	4.8	0.14	3.6	10.3	19	28.6	0.18	68.8	395	288	0.38
Ethane	-	-	-	ND (0.047)	-	8.1	0.51	ND (0.099)	1	0.63	0.57	1.4	ND (0.14)	3.23	8.19	10.2	ND
Ethene	-	-	-	ND (0.051)	-	4.1	ND (0.072)	ND (0.072)	0.37	1.2	2.2	0.9	ND (0.16)	4.61	10.1	5.26	ND
Carbon Dioxide	-	-	-	81	2220	1520	1660	1070	969	1180	1320	1180	1340	2860	3980	5050	1170

Notes
Concentrations measured in ug/L
Exceedances in TOGS highlighted in yellow and **bolded**
EW-1 NEW removed from the monitoring well network (5/6/2020)
ND = not detected (below detection limit)
-- = Dry Well
NS = Not Sampled
NA = Not Analyzed
P = Product in Well, Not Sampled

Table 1: AFFCO Cummulative Analytical Results by Well - General Chemistry Volatiles
Groundwater Monitoring Report
American Felt Filter Company

General Chemistry Volatiles (RSK-175) Client Sample ID: Lab Sample ID: Date Sampled:	NY TOGS Class GA GW Standards	MW-1 JB9172-5 6/15/2012	MW-1 JB10868-2 7/10/2012	MW-1 JB34670-5 4/17/2013	MW-1 JC66265-1 5/15/2018	MW-1 JC74100-2 9/18/2018	MW-1 JC79790-6 12/13/2018	MW-1 JC85268-7 3/26/2019	MW-1 JC90279-4 6/19/2019	MW-1 JC94022-4 8/27/2019	MW-1 JD685-5 12/19/2019	MW-1 JD4855-4 3/17/2020	MW-1 JD21587-1 3/10/2021	MW-1 JD26722-1 6/15/2021	MW-1 JD40427-1 2/28/2022	MW-1 JD50363-3 8/19/2022	MW-1 JD74203-1 10/4/2023	MW-1 JD4531-1 8/20/2024
Methane	-	-	-	-	13.9	-	389	4.9	22.2	1	7.3	10.6	20.8	61	106	3430	569	470
Ethane	-	-	-	-	0.27	-	3	ND (0.099)	0.26	ND (0.099)	ND (0.099)	0.26	0	0.63	1.4	15.3	7.42	9.14
Ethene	-	-	-	-	ND (0.051)	-	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.16)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.31)	ND (0.16)	-
Carbon Dioxide	-	-	-	-	2500	9720	6460	2050	1830	5920	2710	4590	2330	3690	3440	7340	9140	5070

General Chemistry Volatiles (RSK-175) Client Sample ID: Lab Sample ID: Date Sampled:	S-8 JB9172-6 6/15/2012	S-8 JB10868-3 7/10/2012	S-8 JB34670-2 4/17/2013	S-8 JC66265-3 5/15/2018	S-8 JC74100-4 9/18/2018	S8 JC79790-3 12/13/2018	S-8 JC85268-2 3/26/2019	S-8 JC90279-2 6/19/2019	S-8 JC94022-2 8/27/2019	S-8 JD685-3 12/19/2019	S-8 JD4855-2 3/17/2020	S-8 JD21587-3 3/10/2021	S-8 JD26722-3 6/15/2021	S-8 JD40427-3 2/28/2022	S-8 JD50363-1 8/19/2022
Methane	-	-	-	12.9	-	69.1	1.6	4.3	0.39	43.8	27.4	19.7	38.3	57.1	63.9
Ethane	-	-	-	ND (0.047)	-	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.099)	ND (0.14)	ND (0.23)	ND (0.14)	ND (0.14)	ND (0.23)
Ethene	-	-	-	ND (0.051)	-	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.16)	ND (0.31)	ND (0.16)	ND (0.16)	ND (0.31)
Carbon Dioxide	-	-	-	3090	2110	3760	4650	3100	3080	2650	2670	1790	2260	2140	3870

General Chemistry Volatiles (RSK-175) Client Sample ID: Lab Sample ID: Date Sampled:	E-1 NEW JB9172 6/15/2012	E-1 NEW JB10868-6 7/10/2012	E-1 NEW JB34670-4 4/17/2013	E-1 NEW JC66265-2 5/15/2018	E-1 NEW JC74100-5 9/18/2018	E1-NEW JC79790-4 12/13/2018	E1-NEW JC85268-3 3/26/2019	E1-NEW JC90279-3 6/19/2019	E-1 NEW JC94022-1 8/27/2019	E-1 NEW JD685-1 12/19/2019	E-1NEW JD4855-1 3/17/2020
Methane	-	-	-	3980	-	1020	2350	3860	66.3	2480	3980
Ethane	-	-	-	0.47	-	ND (0.099)	ND (0.099)	0.51	ND (0.099)	0.32	0.3
Ethene	-	-	-	ND (0.051)	-	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.072)	ND (0.16)
Carbon Dioxide	-	-	-	80	240	566	240	296	126	173	130

Notes
Concentrations measured in ug/L
Exceedances in TOGS highlighted in yellow and **bolded**
EW-1 NEW removed from the monitoring well network (5/6/2020)
ND = not detected (below detection limit)
-- = Dry Well
NS = Not Sampled
NA = Not Analyzed
P = Product in Well, Not Sampled

Appendix A

Data Usability Summary Report

AFFCO
New Windsor, New York

DATA USABILITY SUMMARY REPORT (DUSR)

Prepared for

American Felt and Filter Company
361 Walsh Avenue
New Windsor, New York, N.Y. 12553

Submitted to

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York, 12233-7016

by

Fleming Lee Shue

158 West 29th Street
New York, New York, 10001

September 2024

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ATTACHMENTS

INTRODUCTION

A Data Usability Summary Report (DUSR) provides a thorough evaluation of analytical data with the primary objective to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and data use.

This DUSR was conducted based on standard practice regulatory guidance documents, including New York State Department of Conservation (NYSDEC), June 1999, for technical review of analytical data in lieu of a full third-party data validation and the Analytical Service Protocol (ASP) for technical review of analytical data.

1.1 Project Information

Project Name	American Felt and Filter Co.
Laboratory	SGS – Accutest Laboratories, Dayton, NJ
SDGs	JD94531
Sample Summary	Four (4) field groundwater samples collected including one (1) Field duplicate. One trip blank and one field blank also included. Collected in one day 8/20/24.
Analytical Methods	Target Compound List (TCL) MS Volatiles by SW846 8260C; GC Volatiles by Method RSK-175 General Chemistry by EPA 300/SW846; 353.2/LACHAT Metals (Fe) by EPA Method 6010D.

2.0 DUSR QUESTIONS

1. *Is the data package complete as defined under the requirements for the most current NYSDEC ASP Category B or USEPA CLP deliverables?*
   Yes.

2. *Have all holding times been met?*
   Yes.

3. *Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?*
   Yes. Some QC exceptions resulted in qualification of data as noted in Table 2 and Section 5. All data are considered usable.

4. *Have all of the data been generated using established and agreed upon analytical protocols?*
   Yes.

5. *Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?*
   Yes. The raw data was reviewed to verify that detected results met retention time and mass spectral criteria.

6. *Have the correct data qualifiers been used and are they consistent with the most current NYSDEC ASP?*

   Yes. The laboratory used the correct data qualifiers in reporting results. Data validation resulted in some updated qualifiers as shown in Table 2 and discussed in Sections 5.

7. *Have any quality control (QC) exceedances been specifically noted in the DUSR and have the corresponding QC summary sheets from the data package been attached to the DUSR?*

   Yes. QC exceedances are specified in the Method Specific Data Validation section (Sections 5). Corresponding samples were qualified and all data are considered usable. QC Summary sheets have been attached.

3.0 SAMPLE & ANALYSES SUMMARY

This section summarizes the Sample Delivery Groups (SDGs), sample descriptions and analytical parameters.

3.1 Sample Delivery Group Information

Table 1. Sample Descriptions and Validated Analyses

Sample ID	Lab ID	Sample Type	Collection Date	Matrix	Analyses
JD94531					
MW-1	JD94531-1	Field	8/20/2024	GW	TCL VOCs by Method 8260C
MW-1 DUP	JD94531-2	Field Duplicate	8/20/2024	GW	TCL VOCs by Method 8260C
EW-0	JD94531-3	Field	8/20/2024	GW	TCL VOCs by Method 8260C
EW-1X	JD94531-4	Field	8/20/2024	GW	TCL VOCs by Method 8260C
FIELD BLANK	JD94531-5	Field Blank	8/20/2024	AQ	TCL VOCs by Method 8260C
TRIP BLANK	JD94531-6	Trip Blank	8/20/2024	AQ	TCL VOCs by Method 8260C

3.2 Analytical Methods

Trace Volatile Organic Compounds by and analyzed by EPA Method 8260C Gas Chromatography/Mass Spectrometry (GC/MS). RSK-175 volatile organic compounds, metals (Fe), and general chemistry parameters were also analyzed, but not validated as a part of this review.

4.0 DATA VALIDATION SUMMARY

The following is a summary of data validation actions for this project. Provided below are the qualifier definitions.

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

Table 2 -Summary of Data Validation Actions

Sample ID	Analyte	Qualifier	Notes
EW-0	Chloromethane	UJ	CCV %D outside of limits compound biased low and non-detect.
FIELD BLANK MW-1 DUP	Bromomethane	UJ	CCV %D outside of limits compound biased low and non-detect.
EW-1X	Chloromethane	UJ	CCV %D outside of limits compound biased low and non-detect.

EW-1X	Acetone	J-	CCV %D outside of limits compound biased low and detected.
TRIP BLANK MW-1	Bromomethane	UJ	CCV %D outside of limits compound biased low and non-detect.
EW-1X	Acetone Vinyl chloride	J	Reported result less than the RL.
MW-1 DUP	1,4-Dioxane	J	Reported result less than the RL.

Data validation details for each method are provided in the following sections.

5.0 DATA VALIDATION DETAIL – TRACE VOLATILE ORGANIC COMPOUNDS

5.1 Data Package Completeness
Data package is complete for the SDG.

5.2 Preservation
All associated samples were properly preserved by acidification to a pH <2 and cooled and held at 4ºC (+/- 2 ºC).

5.3 Hold Times
As mentioned above, all samples (preserved) were analyzed within recommended method holding time. Improperly preserved samples were analyzed within 7 days.

5.4 Instrument Performance Check
In total, four (4) separate instruments were used in this project (GCMS1F, GCMS1T, GCMS2F, GCMS2T) Ion abundance criteria met in all instruments according to Table 1 of ASP Exhibit E.

5.5 Initial Calibration (ICALs)
Initial calibration demonstrates that the instrument is capable of acceptable performance in the beginning of the analytical run and of producing linear calibration curve and provides mean Relative Response Factors (RRFs) suitable for quantitation.

Instrument GCMS1F
Initial calibration check (ICC) for this instrument associated with Run ID: V1F324

Initial ICC was conducted 6/20/2024. RRFs were acceptable for all compounds. RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception on non-reported compounds.

Instrument GCMS1T
Initial calibration check (ICC) for this instrument associated with Run ID: V1T290

Initial ICC was conducted 8/16/2024. RRFs were acceptable for all compounds. RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception on non-reported compounds.

Instrument GCMS2F
Initial calibration check (ICC) for this instrument associated with Run ID: V2F324

Initial ICC was conducted 6/20/2024. RRFs were acceptable for all compounds. RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values).

Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception on non-reported compounds.

Instrument GCMS2T
Initial calibration check (ICC) for this instrument associated with Run ID: V2T290

Initial ICC was conducted 8/16/2024. RRFs were acceptable for all compounds. RSD%s were within acceptable bounds for all analytes (i.e., below maximum ASP Exhibit E Table 2 values). Three Initial Calibration Verifications (ICVs) were conducted and Percent Deviation was found acceptable for all compounds with the exception on non-reported compounds.

5.6 Continuing Calibration Verification (CCV)

Instrument GCMS1F

Analytical Batch: V1F370 (EW-0)

Mean RRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Chloromethane (30%). Additionally, some non-reported compounds had %D outside of limits.

Chloromethane was biased low and non-detect in affected sample. Therefore, result is qualified UJ.

Instrument GCMS1T

Analytical Batch: V1T291 (FIELD BLANK, MW-1 DUP)

Mean RRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Acetone (-21%), and Bromomethane (20%). Additionally, some non-reported compounds had %D outside of limits.

Bromomethane was biased low and non-detect in affected sample. Therefore, result is qualified UJ. Acetone is biased high and non-detect and therefore accepted.

Instrument GCMS2F

Analytical Batch: V2F370 (EW-1X)

Mean RRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Chloromethane (26%) and Acetone (28%). Additionally, some non-reported compounds had %D outside of limits.

Both compounds are biased low. Acetone is biased low and detected and therefore qualified J-. Chloromethane was biased low and non-detect in affected sample. Therefore, result is qualified UJ.

Instrument GCMS2T

Analytical Batch: V2T291 (TRIP BLANK, MW-1)

Mean RRF was acceptable for all compounds. %D was within acceptable laboratory limits for all compounds with the exception of Bromomethane (23.5%). Additionally, some non-reported compounds had %D outside of limits.

Bromomethane was biased low and non-detect in affected sample. Therefore, result is qualified UJ.

5.7 Blanks

Method Blanks

A method blank analysis was performed in each analytical batch for each instrument (2 total batches). Results were non-detect for all compounds in each method blank.

Field Blank

FIELD BLANK was submitted as a field blank sample. All samples were non-detect for all compounds.

Trip Blank

One (1) trip blank sample (TRIP BLANK) was submitted with this SDG. Results were non-detect for all compounds.

5.8 Analysis Sequence

Samples were analyzed according to standard sequence.

5.9 Internal Standards

All internal standard area counts are within acceptable limits. All required VOC internal standards used. Includes SMCs tert-butyl alcohol-D9, pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-D5, 1,4-dichlorobenzene-d4. Some dilution required for samples with high concentrations of target compounds.

5.10 Laboratory Control Sample (LCS)

A LCS sample was analyzed as a part of each analytical batch. There are no required limits for NYSDEC ASP 2005 LCS samples so Lab limits are considered the applicable threshold.

Analytical Batch: V1T291-BS

All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V2T291-BS

All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V1F370-BS
All analytes were detected within acceptable ranges within the LCS.

Analytical Batch: V2F370-BS
All analytes were detected within acceptable ranges within the LCS.

5.11 Duplicates

Field Duplicates
Client samples MW-1 DUP served as a field duplicate for parent sample MW-1. All RPD were within acceptable limits (less than 30%) for all compounds. RPDs for detected results are summarized in the tables below.

Compound	Units	MW-1	MW-1 DUP	Relative Percent Difference
1,1,1-Trichloroethane	ug/l	57.0	62.5	9.21%
1,1-Dichloroethane	ug/l	31.5	33.7	6.75%
1,1-Dichloroethene	ug/l	1.7	2.1	21.05%
1,4-Dioxane	ug/l	ND (130)	70.9 J	58.84%
Bromodichloromethane	ug/l	2.6	2.6	0.00%
Chloroethane	ug/l	165	168	1.80%
Chloroform	ug/l	8.8	9.6	8.70%
Dibromochloromethane	ug/l	1.2	1.2	0.00%
Trichloroethene	ug/l	1.1	1.2	8.70%

RPD outside of limits in one compound 1,4-Dioxane (59%). However, one sample is non-detect and one sample is reported less than the RL. Therefore no qualifier is necessary.

Lab Duplicates
All lab duplicates were non-project samples.

5.12 Matrix Spike and Matrix Spike Duplicate

All MS and MSD samples were non-project samples and no assessment of matrix interference could be made.

5.13 Surrogates & System Monitoring Compounds (SMCs)

All ASP required surrogate compounds were used including tolunene-d8, 4-bromofluorobenzene, and 1,2-dichloroethane-d4. All were recovered within acceptable limits.

5.14 Project QA/QC (Field Duplicates)

Per Project QA/QC one field duplicate per 20 samples was submitted as a part of this event. Duplicate Sample (MW-1 DUP) was within acceptable limits except where noted in Section 5.11. Per Project QA/QC one field blank and at least one Trip blank were submitted per 20 samples. Field Blank (FIELD BLANK) were non-detect for all compounds except where noted in Section 5.7. Trip blanks were non-detect for all compounds. Project specific matrix spike collection was not specified in Project QA/QC. As such, no project samples were utilized as Matrix Spikes and no determination of Matrix interference could be made. All data are considered usable.

5.15 Detection Limits

Results reported above the MDL, but below the Reporting Limit (RL) are qualified J for all samples.

Attachment A

Relevant QC Summary Sheets

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

GW
FB
TB

E

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: PREM-IN-081424-119
SGS Quote #:
SGS Job #: JD94531

Client / Reporting Information

Company Name: Fleming Lee Shue
Street Address: 158 W. 29th St, #9
City: NY State: NY Zip: 10001
Project Contact: stevePorter, steve@flemingleeshue.com E-mail:
Phone #: 212-675-3225
Sampler(s) Name(s): J. Arey, L. Silverman Phone #:

Project Information

Project Name: AFFCO
Street: 361 Walsh Ave.
City: NewWindsor State: NY
Project #: 10000
Client Purchase Order #:
Project Manager: T. McCloskey

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	ALK	CHL, FE2	FE, MET-SW846	S	SO4	V8260TCL11	VRSK175CH4	VRSK175CO2	LAB USE ONLY
1	MW-1		8/20/24	10:15	JA	G	N	GW	14	6	2	1		5				X	X	X	X	X	X	X	X	A3
2	MW-1 DUP		8/20/24	10:15	JA	G	N	GW	2	2													X			C47
3	EW-0		8/20/24	11:00	LS	G	N	GW	14	6	2	1		5				X	X	X	X	X	X	X	X	V460
4	EW-1X		8/20/24	11:35	LS	G	N	GW	8	6				2									X	X	X	
5	Field Blank		8/20/24	11:45	JA	-	-	FB	2	2													X			
6	Trip Blank		8/19/24	7:00	-	-	-	TB	2	2													X			

pH Check (Lab Use Only)

Initial Assessment: 2BEC
Label Verification:

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

SGS COURIER

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	[signature]	8-20-24 1500	1 [signature]	2 [signature]	8-20-24 1931	2 [signature]
3			3	4		4
5			5	Custody Seal #		

Custody Seal #: [ ] Intact [ ] Not intact [ ] Absent

Therm ID: See Sample Receipt Summary

On Ice: IR 2.1

Cooler Temp. °C: IR 5.0

EHSA-QAC-0023-05 Rev.Date:8/5/22

5.1 5

SGS Sample Receipt Summary

Job Number: JD94531 **Client:** FLEMING-LEE SHUE, INC. **Project:** AFFCO, 361 WALSH AVENUE, NEW WIN

Date / Time Received: 8/20/2024 7:31:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD94531

Requested Date:	8/27/2024	**Received Date:**	8/20/2024
Account Name:	Fleming-Lee Shue, Inc.	**Due Date:**	8/27/2024
Project Description:	AFFCO, 361 Walsh Avenue, New Windsor, NY	**Deliverable:**	NYASPB
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JD94531-1, 3, 4 **Dept:**

Client ID: **TAT:** 6

Change: Relog / retrieve VRRSK175ETHANE, VGC+ETHENE

Above Changes Per: Steve Panter **Date/Time:** 8/27/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

JD94531: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD94531

AFFCO, 361 Walsh Avenue, New Windsor, NY
Project No: 10000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD94531-1	Collected: 20-AUG-24 10:15 By: JA		Received: 20-AUG-24 By: JK			
MW-1						
JD94531-1	SW846 8260D	21-AUG-24 18:25	ED			V8260TCL11
JD94531-1	RSK-175	22-AUG-24 13:27	WC			VRSK175CH4
JD94531-1	EPA 300/SW846 9056A	22-AUG-24 13:50	SS	22-AUG-24	SS	CHL,SO4
JD94531-1	SW846 6010D	23-AUG-24 01:11	KP	22-AUG-24	BP	FE
JD94531-1	RSK-175	23-AUG-24 09:33	WC			VRSK175CO2
JD94531-1	SM4500S2- F-11	24-AUG-24 09:43	MP			S
JD94531-1	SM2320 B-11	24-AUG-24 14:10	JOO			ALK
JD94531-1	SM3500FE B-11	27-AUG-24 17:00	MP			FE2
JD94531-2	Collected: 20-AUG-24 10:15 By: JA		Received: 20-AUG-24 By: JK			
MW-1 DUP						
JD94531-2	SW846 8260D	21-AUG-24 18:38	ED			V8260TCL11
JD94531-3	Collected: 20-AUG-24 11:00 By: JA		Received: 20-AUG-24 By: JK			
EW-0						
JD94531-3	SW846 8260D	22-AUG-24 11:50	NW			V8260TCL11
JD94531-3	RSK-175	22-AUG-24 13:53	WC			VRSK175CH4
JD94531-3	EPA 300/SW846 9056A	22-AUG-24 14:03	SS	22-AUG-24	SS	CHL,SO4
JD94531-3	SW846 6010D	23-AUG-24 01:15	KP	22-AUG-24	BP	FE
JD94531-3	RSK-175	23-AUG-24 10:28	WC			VRSK175CO2
JD94531-3	SM4500S2- F-11	24-AUG-24 09:43	MP			S
JD94531-3	SM2320 B-11	24-AUG-24 14:10	JOO			ALK
JD94531-3	SM3500FE B-11	27-AUG-24 17:00	MP			FE2
JD94531-4	Collected: 20-AUG-24 11:35 By: JA		Received: 20-AUG-24 By: JK			
EW-1X						
JD94531-4	SW846 8260D	22-AUG-24 12:07	NW			V8260TCL11
JD94531-4	RSK-175	22-AUG-24 14:27	WC			VRSK175CH4
JD94531-4	RSK-175	23-AUG-24 10:44	WC			VRSK175CO2
JD94531-5	Collected: 20-AUG-24 11:45 By: JA		Received: 20-AUG-24 By: JK			
FIELD BLANK						
JD94531-5	SW846 8260D	21-AUG-24 16:49	ED			V8260TCL11

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD94531

AFFCO, 361 Walsh Avenue, New Windsor, NY
Project No: 10000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD94531-6	Collected: 20-AUG-24 11:45 By: JA		Received: 20-AUG-24 By: JK			
TRIP BLANK						
JD94531-6	SW846 8260D	21-AUG-24 17:02	ED			V8260TCL11
JD94531-1R	Collected: 20-AUG-24 10:15 By: JA		Received: 20-AUG-24 By: JK			
MW-1						
JD94531-1R	RSK-175	22-AUG-24 13:11	WC			VGC+ ETHENE, VRRSK175ETHANE
JD94531-3R	Collected: 20-AUG-24 11:00 By: JA		Received: 20-AUG-24 By: JK			
EW-0						
JD94531-3R	RSK-175	22-AUG-24 13:53	WC			VGC+ ETHENE, VRRSK175ETHANE
JD94531-4R	Collected: 20-AUG-24 11:35 By: JA		Received: 20-AUG-24 By: JK			
EW-1X						
JD94531-4R	RSK-175	22-AUG-24 14:06	WC			VGC+ ETHENE, VRRSK175ETHANE

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-1.1	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.1	Secured Storage	Dave Hunkele	08/22/24 09:45	Retrieve from Storage
JD94531-1.1	Dave Hunkele	Secured Staging Area	08/22/24 09:45	Return to Storage
JD94531-1.1	Secured Staging Area	Brianna Perez	08/22/24 09:51	Retrieve from Storage
JD94531-1.1	Brianna Perez	Secured Storage	08/22/24 10:47	Return to Storage
JD94531-1.2	Secured Storage	Dave Hunkele	08/21/24 12:48	Retrieve from Storage
JD94531-1.2	Dave Hunkele	Secured Staging Area	08/21/24 12:48	Return to Storage
JD94531-1.2	Secured Staging Area	Daniel Broche	08/21/24 12:51	Retrieve from Storage
JD94531-1.2	Daniel Broche	Secured Staging Area	08/21/24 12:52	Return to Storage
JD94531-1.2	Secured Staging Area	Mahendra Patel	08/21/24 16:45	Retrieve from Storage
JD94531-1.2	Mahendra Patel	Secured Storage	08/21/24 16:45	Return to Storage
JD94531-1.2	Secured Storage	Dave Hunkele	08/27/24 07:40	Retrieve from Storage
JD94531-1.2	Dave Hunkele	Secured Staging Area	08/27/24 07:40	Return to Storage
JD94531-1.2	Secured Staging Area	Mahendra Patel	08/27/24 08:18	Retrieve from Storage
JD94531-1.2	Mahendra Patel	Secured Storage	08/27/24 18:40	Return to Storage
JD94531-1.3	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:37	Retrieve from Storage
JD94531-1.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:37	Return to Storage
JD94531-1.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:38	Retrieve from Storage
stage				
JD94531-1.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:38	Return to Storage
JD94531-1.3	Secured Staging Area	Mahendra Patel	08/23/24 09:30	Retrieve from Storage
JD94531-1.3	Mahendra Patel	Secured Storage	08/23/24 17:08	Return to Storage
JD94531-1.3	Secured Storage	Mahendra Patel	08/24/24 08:35	Retrieve from Storage
JD94531-1.3	Mahendra Patel		08/24/24 09:19	Depleted
JD94531-1.5	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.5	Secured Storage	Dave Hunkele	08/22/24 10:41	Retrieve from Storage
JD94531-1.5	Dave Hunkele	Secured Staging Area	08/22/24 10:41	Return to Storage
JD94531-1.5	Secured Staging Area	Jared O. Onindo	08/22/24 15:07	Retrieve from Storage
JD94531-1.5	Jared O. Onindo	Secured Storage	08/24/24 16:25	Return to Storage
JD94531-1.6	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.6	Secured Storage	Dave Hunkele	08/22/24 07:22	Retrieve from Storage
JD94531-1.6	Dave Hunkele	Secured Staging Area	08/22/24 07:22	Return to Storage
JD94531-1.6	Secured Staging Area	Sarah Sarantopoulos	08/22/24 14:10	Retrieve from Storage
JD94531-1.6	Sarah Sarantopoulos	Secured Storage	08/26/24 15:56	Return to Storage
JD94531-1.7	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.8	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.8	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-1.8	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-1.9	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.10	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.11	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.11	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-1.11	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-1.11	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-1.11	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-1.12	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.12	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-1.12	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-1.13	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.14	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-2.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-2.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-2.2	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-2.2	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-2.2	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-2.2	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-2.3	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.1	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.1	Secured Storage	Dave Hunkele	08/22/24 09:45	Retrieve from Storage
JD94531-3.1	Dave Hunkele	Secured Staging Area	08/22/24 09:45	Return to Storage
JD94531-3.1	Secured Staging Area	Brianna Perez	08/22/24 09:51	Retrieve from Storage
JD94531-3.1	Brianna Perez	Secured Storage	08/22/24 10:47	Return to Storage
JD94531-3.2	Secured Storage	Dave Hunkele	08/21/24 12:48	Retrieve from Storage
JD94531-3.2	Dave Hunkele	Secured Staging Area	08/21/24 12:48	Return to Storage
JD94531-3.2	Secured Staging Area	Daniel Broche	08/21/24 12:51	Retrieve from Storage
JD94531-3.2	Daniel Broche	Secured Staging Area	08/21/24 12:52	Return to Storage
JD94531-3.2	Secured Staging Area	Mahendra Patel	08/21/24 16:45	Retrieve from Storage
JD94531-3.2	Mahendra Patel	Secured Storage	08/21/24 16:45	Return to Storage
JD94531-3.2	Secured Storage	Dave Hunkele	08/27/24 07:40	Retrieve from Storage
JD94531-3.2	Dave Hunkele	Secured Staging Area	08/27/24 07:40	Return to Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-3.2	Secured Staging Area	Mahendra Patel	08/27/24 08:18	Retrieve from Storage
JD94531-3.2	Mahendra Patel	Secured Storage	08/27/24 18:40	Return to Storage
JD94531-3.3	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:37	Retrieve from Storage
JD94531-3.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:37	Return to Storage
JD94531-3.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:38	Retrieve from Storage
stage				
JD94531-3.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:38	Return to Storage
JD94531-3.3	Secured Staging Area	Mahendra Patel	08/23/24 09:30	Retrieve from Storage
JD94531-3.3	Mahendra Patel	Secured Storage	08/23/24 17:08	Return to Storage
JD94531-3.3	Secured Storage	Mahendra Patel	08/24/24 08:35	Retrieve from Storage
JD94531-3.3	Mahendra Patel		08/24/24 09:19	Depleted
JD94531-3.4	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.5	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.5	Secured Storage	Dave Hunkele	08/22/24 10:41	Retrieve from Storage
JD94531-3.5	Dave Hunkele	Secured Staging Area	08/22/24 10:41	Return to Storage
JD94531-3.5	Secured Staging Area	Jared O. Onindo	08/22/24 15:07	Retrieve from Storage
JD94531-3.5	Jared O. Onindo	Secured Storage	08/24/24 16:25	Return to Storage
JD94531-3.6	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.6	Secured Storage	Dave Hunkele	08/22/24 07:22	Retrieve from Storage
JD94531-3.6	Dave Hunkele	Secured Staging Area	08/22/24 07:22	Return to Storage
JD94531-3.6	Secured Staging Area	Sarah Sarantopoulos	08/22/24 14:10	Retrieve from Storage
JD94531-3.6	Sarah Sarantopoulos	Secured Storage	08/26/24 15:56	Return to Storage
JD94531-3.7	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.7	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-3.7	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-3.8	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.9	Secured Storage	Camille Fiumara	08/22/24 14:25	Retrieve from Storage
JD94531-3.9	Camille Fiumara	GCMS1F	08/22/24 14:25	Load on Instrument
JD94531-3.9	GCMS1F	Camille Fiumara	08/23/24 15:38	Unload from Instrument
JD94531-3.9	Camille Fiumara	Secured Storage	08/23/24 15:38	Return to Storage
JD94531-3.10	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.10	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-3.10	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-3.11	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-3.11	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-3.11	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-3.11	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-3.11	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-3.12	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.13	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.14	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.1	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-4.1	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-4.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.3	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.3	Secured Storage	Camille Fiumara	08/22/24 14:25	Retrieve from Storage
JD94531-4.3	Camille Fiumara	GCMS1F	08/22/24 14:25	Load on Instrument
JD94531-4.3	GCMS1F	Camille Fiumara	08/23/24 15:38	Unload from Instrument
JD94531-4.3	Camille Fiumara	Secured Storage	08/23/24 15:38	Return to Storage
JD94531-4.4	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.4	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-4.4	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-4.5	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.5	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-4.5	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-4.5	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-4.5	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-4.6	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.7	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.8	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-5.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-5.1	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-5.1	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-5.1	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-5.1	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-5.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-6.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-6.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-6.2	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-6.2	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-6.2	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-6.2	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2T291-MB	2T10995.D	1	08/21/24	ED	n/a	n/a	V2T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-1, JD94531-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2T291-MB	2T10995.D	1	08/21/24	ED	n/a	n/a	V2T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-1, JD94531-6

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	100%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1T291-MB	1T10996.D	1	08/21/24	ED	n/a	n/a	V1T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-2, JD94531-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1T291-MB	1T10996.D	1	08/21/24	ED	n/a	n/a	V1T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-2, JD94531-5

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	112%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	98%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2F370-MB	2F11898.D	1	08/22/24	NW	n/a	n/a	V2F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2F370-MB	2F11898.D	1	08/22/24	NW	n/a	n/a	V2F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	95%	80-120%
2037-26-5	Toluene-D8	96%	80-120%
460-00-4	4-Bromofluorobenzene	98%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.83	9.3	ug/l	J
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1F370-MB	1F11899.D	1	08/22/24	NW	n/a	n/a	V1F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1F370-MB	1F11899.D	1	08/22/24	NW	n/a	n/a	V1F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-3

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	80-120%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	98%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	.82	8.9	ug/l	J
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1T291-BS	1T10992.D	1	08/21/24	ED	n/a	n/a	V1T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-2, JD94531-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	222	111	27-175
71-43-2	Benzene	50	52.6	105	80-115
74-97-5	Bromochloromethane	50	52.0	104	83-122
75-27-4	Bromodichloromethane	50	50.2	100	82-119
75-25-2	Bromoform	50	53.9	108	77-135
74-83-9	Bromomethane	50	50.9	102	40-162
78-93-3	2-Butanone (MEK)	200	241	121	61-150
75-15-0	Carbon disulfide	50	50.2	100	64-130
56-23-5	Carbon tetrachloride	50	53.7	107	75-127
108-90-7	Chlorobenzene	50	50.3	101	80-115
75-00-3	Chloroethane	50	51.5	103	56-144
67-66-3	Chloroform	50	46.8	94	75-116
74-87-3	Chloromethane	50	50.5	101	41-153
110-82-7	Cyclohexane	50	60.8	122	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	53.2	106	69-134
124-48-1	Dibromochloromethane	50	50.9	102	81-123
106-93-4	1,2-Dibromoethane	50	52.2	104	67-138
95-50-1	1,2-Dichlorobenzene	50	51.8	104	81-117
541-73-1	1,3-Dichlorobenzene	50	52.0	104	81-115
106-46-7	1,4-Dichlorobenzene	50	50.1	100	80-114
75-71-8	Dichlorodifluoromethane	50	55.3	111	43-152
75-34-3	1,1-Dichloroethane	50	51.0	102	75-125
107-06-2	1,2-Dichloroethane	50	48.0	96	73-117
75-35-4	1,1-Dichloroethene	50	51.8	104	70-124
156-59-2	cis-1,2-Dichloroethene	50	54.6	109	80-120
156-60-5	trans-1,2-Dichloroethene	50	53.9	108	77-121
78-87-5	1,2-Dichloropropane	50	50.3	101	79-121
10061-01-5	cis-1,3-Dichloropropene	50	56.4	113	83-123
10061-02-6	trans-1,3-Dichloropropene	50	54.5	109	83-122
123-91-1	1,4-Dioxane	1250	1100	88	64-150
100-41-4	Ethylbenzene	50	52.3	105	78-116
76-13-1	Freon 113	50	52.1	104	68-134
591-78-6	2-Hexanone	200	241	121	66-136
98-82-8	Isopropylbenzene	50	58.5	117	78-121
79-20-9	Methyl Acetate	50	53.1	106	60-143
108-87-2	Methylcyclohexane	50	59.0	118	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1T291-BS	1T10992.D	1	08/21/24	ED	n/a	n/a	V1T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-2, JD94531-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	57.0	114	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	230	115	73-134
75-09-2	Methylene chloride	50	49.5	99	73-123
100-42-5	Styrene	50	59.4	119	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	51.6	103	73-126
127-18-4	Tetrachloroethene	50	52.2	104	73-119
108-88-3	Toluene	50	50.1	100	79-116
87-61-6	1,2,3-Trichlorobenzene	50	53.0	106	63-137
120-82-1	1,2,4-Trichlorobenzene	50	54.6	109	68-135
71-55-6	1,1,1-Trichloroethane	50	54.2	108	76-124
79-00-5	1,1,2-Trichloroethane	50	50.7	101	83-117
79-01-6	Trichloroethene	50	52.0	104	80-118
75-69-4	Trichlorofluoromethane	50	53.9	108	67-134
75-01-4	Vinyl chloride	50	52.3	105	52-146
	m,p-Xylene	100	111	111	79-119
95-47-6	o-Xylene	50	57.5	115	81-119
1330-20-7	Xylene (total)	150	168	112	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	97%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	100%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2T291-BS	2T10993.D	1	08/21/24	ED	n/a	n/a	V2T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-1, JD94531-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	246	123	27-175
71-43-2	Benzene	50	48.9	98	80-115
74-97-5	Bromochloromethane	50	50.3	101	83-122
75-27-4	Bromodichloromethane	50	47.3	95	82-119
75-25-2	Bromoform	50	53.2	106	77-135
74-83-9	Bromomethane	50	44.2	88	40-162
78-93-3	2-Butanone (MEK)	200	252	126	61-150
75-15-0	Carbon disulfide	50	44.2	88	64-130
56-23-5	Carbon tetrachloride	50	48.5	97	75-127
108-90-7	Chlorobenzene	50	46.1	92	80-115
75-00-3	Chloroethane	50	44.6	89	56-144
67-66-3	Chloroform	50	45.0	90	75-116
74-87-3	Chloromethane	50	46.5	93	41-153
110-82-7	Cyclohexane	50	54.0	108	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	52.5	105	69-134
124-48-1	Dibromochloromethane	50	49.4	99	81-123
106-93-4	1,2-Dibromoethane	50	50.9	102	67-138
95-50-1	1,2-Dichlorobenzene	50	48.9	98	81-117
541-73-1	1,3-Dichlorobenzene	50	48.2	96	81-115
106-46-7	1,4-Dichlorobenzene	50	46.3	93	80-114
75-71-8	Dichlorodifluoromethane	50	48.1	96	43-152
75-34-3	1,1-Dichloroethane	50	48.4	97	75-125
107-06-2	1,2-Dichloroethane	50	44.9	90	73-117
75-35-4	1,1-Dichloroethene	50	45.4	91	70-124
156-59-2	cis-1,2-Dichloroethene	50	52.2	104	80-120
156-60-5	trans-1,2-Dichloroethene	50	50.0	100	77-121
78-87-5	1,2-Dichloropropane	50	47.0	94	79-121
10061-01-5	cis-1,3-Dichloropropene	50	52.9	106	83-123
10061-02-6	trans-1,3-Dichloropropene	50	52.5	105	83-122
123-91-1	1,4-Dioxane	1250	1400	112	64-150
100-41-4	Ethylbenzene	50	48.4	97	78-116
76-13-1	Freon 113	50	47.0	94	68-134
591-78-6	2-Hexanone	200	247	124	66-136
98-82-8	Isopropylbenzene	50	53.3	107	78-121
79-20-9	Methyl Acetate	50	56.5	113	60-143
108-87-2	Methylcyclohexane	50	52.3	105	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2T291-BS	2T10993.D	1	08/21/24	ED	n/a	n/a	V2T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-1, JD94531-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	54.9	110	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	236	118	73-134
75-09-2	Methylene chloride	50	47.3	95	73-123
100-42-5	Styrene	50	54.9	110	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	50.3	101	73-126
127-18-4	Tetrachloroethene	50	45.7	91	73-119
108-88-3	Toluene	50	45.6	91	79-116
87-61-6	1,2,3-Trichlorobenzene	50	51.8	104	63-137
120-82-1	1,2,4-Trichlorobenzene	50	50.8	102	68-135
71-55-6	1,1,1-Trichloroethane	50	49.9	100	76-124
79-00-5	1,1,2-Trichloroethane	50	48.7	97	83-117
79-01-6	Trichloroethene	50	47.6	95	80-118
75-69-4	Trichlorofluoromethane	50	47.4	95	67-134
75-01-4	Vinyl chloride	50	47.8	96	52-146
	m,p-Xylene	100	103	103	79-119
95-47-6	o-Xylene	50	53.3	107	81-119
1330-20-7	Xylene (total)	150	157	105	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	80-120%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	100%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1F370-BS	1F11895.D	1	08/22/24	NW	n/a	n/a	V1F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	234	117	27-175
71-43-2	Benzene	50	50.9	102	80-115
74-97-5	Bromochloromethane	50	47.6	95	83-122
75-27-4	Bromodichloromethane	50	51.2	102	82-119
75-25-2	Bromoform	50	52.8	106	77-135
74-83-9	Bromomethane	50	55.9	112	40-162
78-93-3	2-Butanone (MEK)	200	243	122	61-150
75-15-0	Carbon disulfide	50	51.1	102	64-130
56-23-5	Carbon tetrachloride	50	54.7	109	75-127
108-90-7	Chlorobenzene	50	51.9	104	80-115
75-00-3	Chloroethane	50	53.5	107	56-144
67-66-3	Chloroform	50	43.7	87	75-116
74-87-3	Chloromethane	50	34.9	70	41-153
110-82-7	Cyclohexane	50	59.0	118	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	49.0	98	69-134
124-48-1	Dibromochloromethane	50	48.3	97	81-123
106-93-4	1,2-Dibromoethane	50	53.2	106	67-138
95-50-1	1,2-Dichlorobenzene	50	52.8	106	81-117
541-73-1	1,3-Dichlorobenzene	50	53.3	107	81-115
106-46-7	1,4-Dichlorobenzene	50	53.4	107	80-114
75-71-8	Dichlorodifluoromethane	50	50.5	101	43-152
75-34-3	1,1-Dichloroethane	50	47.1	94	75-125
107-06-2	1,2-Dichloroethane	50	43.3	87	73-117
75-35-4	1,1-Dichloroethene	50	47.3	95	70-124
156-59-2	cis-1,2-Dichloroethene	50	53.8	108	80-120
156-60-5	trans-1,2-Dichloroethene	50	52.5	105	77-121
78-87-5	1,2-Dichloropropane	50	44.5	89	79-121
10061-01-5	cis-1,3-Dichloropropene	50	50.0	100	83-123
10061-02-6	trans-1,3-Dichloropropene	50	48.1	96	83-122
123-91-1	1,4-Dioxane	1250	1280	102	64-150
100-41-4	Ethylbenzene	50	50.8	102	78-116
76-13-1	Freon 113	50	53.9	108	68-134
591-78-6	2-Hexanone	200	189	95	66-136
98-82-8	Isopropylbenzene	50	49.5	99	78-121
79-20-9	Methyl Acetate	50	47.6	95	60-143
108-87-2	Methylcyclohexane	50	53.2	106	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1F370-BS	1F11895.D	1	08/22/24	NW	n/a	n/a	V1F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	50.8	102	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	179	90	73-134
75-09-2	Methylene chloride	50	49.8	100	73-123
100-42-5	Styrene	50	51.1	102	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	53.5	107	73-126
127-18-4	Tetrachloroethene	50	51.6	103	73-119
108-88-3	Toluene	50	50.4	101	79-116
87-61-6	1,2,3-Trichlorobenzene	50	52.7	105	63-137
120-82-1	1,2,4-Trichlorobenzene	50	54.1	108	68-135
71-55-6	1,1,1-Trichloroethane	50	55.4	111	76-124
79-00-5	1,1,2-Trichloroethane	50	50.1	100	83-117
79-01-6	Trichloroethene	50	52.7	105	80-118
75-69-4	Trichlorofluoromethane	50	55.7	111	67-134
75-01-4	Vinyl chloride	50	40.9	82	52-146
	m,p-Xylene	100	101	101	79-119
95-47-6	o-Xylene	50	51.1	102	81-119
1330-20-7	Xylene (total)	150	152	101	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	91%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	98%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2F370-BS	2F11896.D	1	08/22/24	NW	n/a	n/a	V2F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	159	80	27-175
71-43-2	Benzene	50	52.8	106	80-115
74-97-5	Bromochloromethane	50	50.1	100	83-122
75-27-4	Bromodichloromethane	50	53.0	106	82-119
75-25-2	Bromoform	50	52.9	106	77-135
74-83-9	Bromomethane	50	54.8	110	40-162
78-93-3	2-Butanone (MEK)	200	203	102	61-150
75-15-0	Carbon disulfide	50	52.5	105	64-130
56-23-5	Carbon tetrachloride	50	59.3	119	75-127
108-90-7	Chlorobenzene	50	52.1	104	80-115
75-00-3	Chloroethane	50	54.5	109	56-144
67-66-3	Chloroform	50	45.0	90	75-116
74-87-3	Chloromethane	50	37.9	76	41-153
110-82-7	Cyclohexane	50	61.7	123	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	49.0	98	69-134
124-48-1	Dibromochloromethane	50	50.2	100	81-123
106-93-4	1,2-Dibromoethane	50	52.6	105	67-138
95-50-1	1,2-Dichlorobenzene	50	54.6	109	81-117
541-73-1	1,3-Dichlorobenzene	50	55.1	110	81-115
106-46-7	1,4-Dichlorobenzene	50	54.4	109	80-114
75-71-8	Dichlorodifluoromethane	50	52.7	105	43-152
75-34-3	1,1-Dichloroethane	50	49.9	100	75-125
107-06-2	1,2-Dichloroethane	50	44.1	88	73-117
75-35-4	1,1-Dichloroethene	50	48.7	97	70-124
156-59-2	cis-1,2-Dichloroethene	50	56.5	113	80-120
156-60-5	trans-1,2-Dichloroethene	50	56.6	113	77-121
78-87-5	1,2-Dichloropropane	50	46.1	92	79-121
10061-01-5	cis-1,3-Dichloropropene	50	51.2	102	83-123
10061-02-6	trans-1,3-Dichloropropene	50	50.1	100	83-122
123-91-1	1,4-Dioxane	1250	1380	110	64-150
100-41-4	Ethylbenzene	50	51.2	102	78-116
76-13-1	Freon 113	50	56.5	113	68-134
591-78-6	2-Hexanone	200	179	90	66-136
98-82-8	Isopropylbenzene	50	51.6	103	78-121
79-20-9	Methyl Acetate	50	49.9	100	60-143
108-87-2	Methylcyclohexane	50	55.4	111	71-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2F370-BS	2F11896.D	1	08/22/24	NW	n/a	n/a	V2F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	53.2	106	76-123
108-10-1	4-Methyl-2-pentanone(MIBK)	200	180	90	73-134
75-09-2	Methylene chloride	50	52.1	104	73-123
100-42-5	Styrene	50	52.8	106	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	54.1	108	73-126
127-18-4	Tetrachloroethene	50	55.5	111	73-119
108-88-3	Toluene	50	51.6	103	79-116
87-61-6	1,2,3-Trichlorobenzene	50	57.4	115	63-137
120-82-1	1,2,4-Trichlorobenzene	50	62.0	124	68-135
71-55-6	1,1,1-Trichloroethane	50	58.2	116	76-124
79-00-5	1,1,2-Trichloroethane	50	50.9	102	83-117
79-01-6	Trichloroethene	50	54.3	109	80-118
75-69-4	Trichlorofluoromethane	50	54.9	110	67-134
75-01-4	Vinyl chloride	50	43.9	88	52-146
	m,p-Xylene	100	105	105	79-119
95-47-6	o-Xylene	50	51.3	103	81-119
1330-20-7	Xylene (total)	150	156	104	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	91%	80-120%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	97%	82-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94272-7MS	2T11011.D	20	08/21/24	ED	n/a	n/a	V2T291
JD94272-7MSD	2T11013.D	20	08/21/24	ED	n/a	n/a	V2T291
JD94272-7 [a]	2T11001.D	20	08/21/24	ED	n/a	n/a	V2T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-1, JD94531-6

CAS No.	Compound	JD94272-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		4000	3390	85	4000	3230	81	5	22-134/19
71-43-2	Benzene	ND		1000	954	95	1000	968	97	1	49-137/12
74-97-5	Bromochloromethane	ND		1000	988	99	1000	967	97	2	78-122/12
75-27-4	Bromodichloromethane	ND		1000	919	92	1000	923	92	0	76-121/12
75-25-2	Bromoform	ND		1000	1030	103	1000	1040	104	1	70-133/13
74-83-9	Bromomethane	ND		1000	957	96	1000	1020	102	6	27-164/38
78-93-3	2-Butanone (MEK)	ND		4000	4150	104	4000	4010	100	3	52-137/17
75-15-0	Carbon disulfide	ND		1000	877	88	1000	851	85	3	54-136/16
56-23-5	Carbon tetrachloride	ND		1000	951	95	1000	927	93	3	70-132/13
108-90-7	Chlorobenzene	426		1000	1280	85	1000	1280	85	0	68-123/12
75-00-3	Chloroethane	ND		1000	878	88	1000	839	84	5	48-152/17
67-66-3	Chloroform	ND		1000	866	87	1000	829	83	4	68-120/13
74-87-3	Chloromethane	ND		1000	844	84	1000	855	86	1	35-156/18
110-82-7	Cyclohexane	ND		1000	965	97	1000	960	96	1	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		1000	963	96	1000	955	96	1	63-134/16
124-48-1	Dibromochloromethane	ND		1000	962	96	1000	968	97	1	75-122/12
106-93-4	1,2-Dibromoethane	ND		1000	989	99	1000	992	99	0	63-134/12
95-50-1	1,2-Dichlorobenzene	18.5	J	1000	976	96	1000	978	96	0	74-119/12
541-73-1	1,3-Dichlorobenzene	2110		1000	2910	80	1000	2860	75	2	75-117/12
106-46-7	1,4-Dichlorobenzene	3800		1000	4330	53* [b]	1000	4260	46* [b]	2	72-117/12
75-71-8	Dichlorodifluoromethane	ND		1000	917	92	1000	899	90	2	34-163/16
75-34-3	1,1-Dichloroethane	ND		1000	937	94	1000	912	91	3	68-129/13
107-06-2	1,2-Dichloroethane	ND		1000	891	89	1000	873	87	2	66-120/13
75-35-4	1,1-Dichloroethene	ND		1000	905	91	1000	873	87	4	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		1000	991	99	1000	982	98	1	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		1000	961	96	1000	957	96	0	70-125/13
78-87-5	1,2-Dichloropropane	ND		1000	908	91	1000	923	92	2	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		1000	1010	101	1000	1030	103	2	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		1000	1020	102	1000	1040	104	2	75-122/12
123-91-1	1,4-Dioxane	ND		25000	24900	100	25000	26000	104	4	57-145/40
100-41-4	Ethylbenzene	ND		1000	960	96	1000	968	97	1	37-144/12
76-13-1	Freon 113	ND		1000	939	94	1000	915	92	3	61-142/14
591-78-6	2-Hexanone	ND		4000	4300	108	4000	4250	106	1	56-132/16
98-82-8	Isopropylbenzene	ND		1000	1040	104	1000	1050	105	1	71-126/13
79-20-9	Methyl Acetate	ND		1000	1010	101	1000	965	97	5	51-139/18
108-87-2	Methylcyclohexane	ND		1000	987	99	1000	1010	101	2	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94272-7MS	2T11011.D	20	08/21/24	ED	n/a	n/a	V2T291
JD94272-7MSD	2T11013.D	20	08/21/24	ED	n/a	n/a	V2T291
JD94272-7 [a]	2T11001.D	20	08/21/24	ED	n/a	n/a	V2T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-1, JD94531-6

CAS No.	Compound	JD94272-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		1000	1030	103	1000	1020	102	1	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		4000	4370	109	4000	4320	108	1	65-135/14
75-09-2	Methylene chloride	ND		1000	921	92	1000	901	90	2	66-125/14
100-42-5	Styrene	ND		1000	1070	107	1000	1080	108	1	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	998	100	1000	989	99	1	68-127/14
127-18-4	Tetrachloroethene	ND		1000	925	93	1000	922	92	0	58-132/13
108-88-3	Toluene	ND		1000	919	92	1000	914	91	1	46-139/12
87-61-6	1,2,3-Trichlorobenzene	10.5	J	1000	1030	102	1000	1030	102	0	57-136/17
120-82-1	1,2,4-Trichlorobenzene	980		1000	1990	101	1000	1980	100	1	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		1000	966	97	1000	948	95	2	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		1000	969	97	1000	960	96	1	75-120/12
79-01-6	Trichloroethene	ND		1000	941	94	1000	946	95	1	56-136/12
75-69-4	Trichlorofluoromethane	ND		1000	924	92	1000	891	89	4	61-145/16
75-01-4	Vinyl chloride	ND		1000	879	88	1000	877	88	0	41-156/16
	m,p-Xylene	ND		2000	2040	102	2000	2050	103	0	32-151/12
95-47-6	o-Xylene	ND		1000	1030	103	1000	1060	106	3	50-139/12
1330-20-7	Xylene (total)	ND		3000	3070	102	3000	3110	104	1	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD94272-7	Limits
1868-53-7	Dibromofluoromethane	101%	99%	114%	80-120%
17060-07-0	1,2-Dichloroethane-D4	94%	96%	100%	80-120%
2037-26-5	Toluene-D8	98%	99%	99%	80-120%
460-00-4	4-Bromofluorobenzene	98%	100%	93%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94272-2MS	1T11012.D	20	08/21/24	ED	n/a	n/a	V1T291
JD94272-2MSD	1T11014.D	20	08/21/24	ED	n/a	n/a	V1T291
JD94272-2 [a]	1T11000.D	20	08/21/24	ED	n/a	n/a	V1T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-2, JD94531-5

CAS No.	Compound	JD94272-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	67.7	J	4000	3130	77	4000	3110	76	1	22-134/19
71-43-2	Benzene	24.7		1000	1030	101	1000	1040	102	1	49-137/12
74-97-5	Bromochloromethane	ND		1000	1000	100	1000	978	98	2	78-122/12
75-27-4	Bromodichloromethane	ND		1000	960	96	1000	951	95	1	76-121/12
75-25-2	Bromoform	ND		1000	1020	102	1000	1040	104	2	70-133/13
74-83-9	Bromomethane	ND		1000	820	82	1000	896	90	9	27-164/38
78-93-3	2-Butanone (MEK)	ND		4000	4170	104	4000	4120	103	1	52-137/17
75-15-0	Carbon disulfide	ND		1000	969	97	1000	944	94	3	54-136/16
56-23-5	Carbon tetrachloride	ND		1000	1020	102	1000	992	99	3	70-132/13
108-90-7	Chlorobenzene	372		1000	1280	91	1000	1300	93	2	68-123/12
75-00-3	Chloroethane	ND		1000	907	91	1000	884	88	3	48-152/17
67-66-3	Chloroform	ND		1000	887	89	1000	860	86	3	68-120/13
74-87-3	Chloromethane	ND		1000	877	88	1000	883	88	1	35-156/18
110-82-7	Cyclohexane	ND		1000	1030	103	1000	1020	102	1	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		1000	1010	101	1000	1080	108	7	63-134/16
124-48-1	Dibromochloromethane	ND		1000	962	96	1000	980	98	2	75-122/12
106-93-4	1,2-Dibromoethane	ND		1000	1010	101	1000	1040	104	3	63-134/12
95-50-1	1,2-Dichlorobenzene	65.6		1000	1070	100	1000	1100	103	3	74-119/12
541-73-1	1,3-Dichlorobenzene	3560		1000	4170	61* [b]	1000	4250	69* [b]	2	75-117/12
106-46-7	1,4-Dichlorobenzene	4680	E	1000	5140	46* [b]	1000	5210	53* [b]	1	72-117/12
75-71-8	Dichlorodifluoromethane	ND		1000	977	98	1000	940	94	4	34-163/16
75-34-3	1,1-Dichloroethane	ND		1000	977	98	1000	959	96	2	68-129/13
107-06-2	1,2-Dichloroethane	ND		1000	901	90	1000	900	90	0	66-120/13
75-35-4	1,1-Dichloroethene	ND		1000	982	98	1000	950	95	3	59-133/15
156-59-2	cis-1,2-Dichloroethene	ND		1000	1030	103	1000	1020	102	1	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		1000	1030	103	1000	1010	101	2	70-125/13
78-87-5	1,2-Dichloropropane	ND		1000	967	97	1000	966	97	0	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		1000	1070	107	1000	1070	107	0	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		1000	1040	104	1000	1070	107	3	75-122/12
123-91-1	1,4-Dioxane	ND		25000	24000	96	25000	25800	103	7	57-145/40
100-41-4	Ethylbenzene	ND		1000	1000	100	1000	1020	102	2	37-144/12
76-13-1	Freon 113	ND		1000	991	99	1000	960	96	3	61-142/14
591-78-6	2-Hexanone	ND		4000	4210	105	4000	4360	109	4	56-132/16
98-82-8	Isopropylbenzene	ND		1000	1120	112	1000	1150	115	3	71-126/13
79-20-9	Methyl Acetate	ND		1000	1020	102	1000	1030	103	1	51-139/18
108-87-2	Methylcyclohexane	ND		1000	1120	112	1000	1120	112	0	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94272-2MS	1T11012.D	20	08/21/24	ED	n/a	n/a	V1T291
JD94272-2MSD	1T11014.D	20	08/21/24	ED	n/a	n/a	V1T291
JD94272-2 [a]	1T11000.D	20	08/21/24	ED	n/a	n/a	V1T291

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-2, JD94531-5

CAS No.	Compound	JD94272-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		1000	1080	108	1000	1070	107	1	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		4000	4420	111	4000	4450	111	1	65-135/14
75-09-2	Methylene chloride	ND		1000	949	95	1000	935	94	1	66-125/14
100-42-5	Styrene	ND		1000	1140	114	1000	1150	115	1	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	1010	101	1000	1040	104	3	68-127/14
127-18-4	Tetrachloroethene	ND		1000	996	100	1000	1010	101	1	58-132/13
108-88-3	Toluene	ND		1000	956	96	1000	986	99	3	46-139/12
87-61-6	1,2,3-Trichlorobenzene	48.6		1000	1070	102	1000	1090	104	2	57-136/17
120-82-1	1,2,4-Trichlorobenzene	2590		1000	3560	97	1000	3620	103	2	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		1000	1020	102	1000	1010	101	1	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		1000	965	97	1000	981	98	2	75-120/12
79-01-6	Trichloroethene	ND		1000	995	100	1000	1010	101	1	56-136/12
75-69-4	Trichlorofluoromethane	ND		1000	948	95	1000	915	92	4	61-145/16
75-01-4	Vinyl chloride	ND		1000	920	92	1000	913	91	1	41-156/16
	m,p-Xylene	ND		2000	2120	106	2000	2170	109	2	32-151/12
95-47-6	o-Xylene	ND		1000	1100	110	1000	1130	113	3	50-139/12
1330-20-7	Xylene (total)	ND		3000	3220	107	3000	3290	110	2	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD94272-2	Limits
1868-53-7	Dibromofluoromethane	100%	98%	114%	80-120%
17060-07-0	1,2-Dichloroethane-D4	96%	95%	104%	80-120%
2037-26-5	Toluene-D8	98%	99%	98%	80-120%
460-00-4	4-Bromofluorobenzene	99%	101%	93%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94482-2MS	1F11917.D	10	08/22/24	NW	n/a	n/a	V1F370
JD94482-2MSD	1F11919.D	10	08/22/24	NW	n/a	n/a	V1F370
JD94482-2 [a]	1F11905.D	10	08/22/24	NW	n/a	n/a	V1F370
JD94482-2	1F11907.D	100	08/22/24	NW	n/a	n/a	V1F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-3

CAS No.	Compound	JD94482-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2000	1430	72	2000	1480	74	3	22-134/19
71-43-2	Benzene	ND		500	455	91	500	457	91	0	49-137/12
74-97-5	Bromochloromethane	ND		500	438	88	500	446	89	2	78-122/12
75-27-4	Bromodichloromethane	ND		500	470	94	500	463	93	2	76-121/12
75-25-2	Bromoform	ND		500	474	95	500	475	95	0	70-133/13
74-83-9	Bromomethane	ND		500	448	90	500	481	96	7	27-164/38
78-93-3	2-Butanone (MEK)	ND		2000	1930	97	2000	1940	97	1	52-137/17
75-15-0	Carbon disulfide	ND		500	445	89	500	456	91	2	54-136/16
56-23-5	Carbon tetrachloride	ND		500	490	98	500	515	103	5	70-132/13
108-90-7	Chlorobenzene	ND		500	452	90	500	456	91	1	68-123/12
75-00-3	Chloroethane	ND		500	428	86	500	431	86	1	48-152/17
67-66-3	Chloroform	ND		500	399	80	500	409	82	2	68-120/13
74-87-3	Chloromethane	ND		500	305	61	500	310	62	2	35-156/18
110-82-7	Cyclohexane	ND		500	481	96	500	495	99	3	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	457	91	500	450	90	2	63-134/16
124-48-1	Dibromochloromethane	ND		500	428	86	500	424	85	1	75-122/12
106-93-4	1,2-Dibromoethane	ND		500	477	95	500	464	93	3	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		500	479	96	500	475	95	1	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		500	473	95	500	476	95	1	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		500	467	93	500	472	94	1	72-117/12
75-71-8	Dichlorodifluoromethane	ND		500	462	92	500	475	95	3	34-163/16
75-34-3	1,1-Dichloroethane	39.1		500	450	82	500	454	83	1	68-129/13
107-06-2	1,2-Dichloroethane	ND		500	398	80	500	400	80	1	66-120/13
75-35-4	1,1-Dichloroethene	15.9		500	424	82	500	438	84	3	59-133/15
156-59-2	cis-1,2-Dichloroethene	989		500	1250	52	500	1270	56	2	52-140/12
156-60-5	trans-1,2-Dichloroethene	76.4		500	516	88	500	544	94	5	70-125/13
78-87-5	1,2-Dichloropropane	ND		500	401	80	500	405	81	1	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		500	449	90	500	451	90	0	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		500	438	88	500	432	86	1	75-122/12
123-91-1	1,4-Dioxane	ND		12500	12600	101	12500	12900	103	2	57-145/40
100-41-4	Ethylbenzene	ND		500	443	89	500	443	89	0	37-144/12
76-13-1	Freon 113	92.4		500	535	89	500	549	91	3	61-142/14
591-78-6	2-Hexanone	ND		2000	1570	79	2000	1580	79	1	56-132/16
98-82-8	Isopropylbenzene	ND		500	430	86	500	430	86	0	71-126/13
79-20-9	Methyl Acetate	ND		500	461	92	500	462	92	0	51-139/18
108-87-2	Methylcyclohexane	ND		500	455	91	500	473	95	4	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94482-2MS	1F11917.D	10	08/22/24	NW	n/a	n/a	V1F370
JD94482-2MSD	1F11919.D	10	08/22/24	NW	n/a	n/a	V1F370
JD94482-2 [a]	1F11905.D	10	08/22/24	NW	n/a	n/a	V1F370
JD94482-2	1F11907.D	100	08/22/24	NW	n/a	n/a	V1F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-3

CAS No.	Compound	JD94482-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	67.8		500	528	92	500	536	94	2	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		2000	1720	86	2000	1710	86	1	65-135/14
75-09-2	Methylene chloride	ND		500	464	93	500	463	93	0	66-125/14
100-42-5	Styrene	ND		500	456	91	500	456	91	0	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	497	99	500	488	98	2	68-127/14
127-18-4	Tetrachloroethene	ND		500	449	90	500	445	89	1	58-132/13
108-88-3	Toluene	5.0	J	500	448	89	500	445	88	1	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		500	470	94	500	474	95	1	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		500	486	97	500	483	97	1	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		500	481	96	500	493	99	2	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		500	458	92	500	452	90	1	75-120/12
79-01-6	Trichloroethene	ND		500	470	94	500	475	95	1	56-136/12
75-69-4	Trichlorofluoromethane	ND		500	475	95	500	481	96	1	61-145/16
75-01-4	Vinyl chloride	2030 [c]		500	2000	-112* [b]	500	2040	-104* [b]	2	41-156/16
	m,p-Xylene	ND		1000	893	89	1000	889	89	0	32-151/12
95-47-6	o-Xylene	ND		500	455	91	500	458	92	1	50-139/12
1330-20-7	Xylene (total)	ND		1500	1350	90	1500	1350	90	0	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD94482-2	JD94482-2	Limits
1868-53-7	Dibromofluoromethane	106%	106%	109%	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	95%	95%	95%	80-120%
2037-26-5	Toluene-D8	96%	96%	97%	96%	80-120%
460-00-4	4-Bromofluorobenzene	98%	99%	98%	99%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94579-1MS	2F11918.D	10	08/22/24	NW	n/a	n/a	V2F370
JD94579-1MSD	2F11920.D	10	08/22/24	NW	n/a	n/a	V2F370
JD94579-1 [a]	2F11916.D	10	08/22/24	NW	n/a	n/a	V2F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-4

CAS No.	Compound	JD94579-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2000	1460	73	2000	1490	75	2	22-134/19
71-43-2	Benzene	ND		500	481	96	500	487	97	1	49-137/12
74-97-5	Bromochloromethane	ND		500	460	92	500	466	93	1	78-122/12
75-27-4	Bromodichloromethane	ND		500	481	96	500	494	99	3	76-121/12
75-25-2	Bromoform	ND		500	478	96	500	490	98	2	70-133/13
74-83-9	Bromomethane	ND		500	363	73	500	446	89	21	27-164/38
78-93-3	2-Butanone (MEK)	ND		2000	1970	99	2000	1980	99	1	52-137/17
75-15-0	Carbon disulfide	ND		500	492	98	500	494	99	0	54-136/16
56-23-5	Carbon tetrachloride	ND		500	538	108	500	539	108	0	70-132/13
108-90-7	Chlorobenzene	ND		500	467	93	500	489	98	5	68-123/12
75-00-3	Chloroethane	ND		500	414	83	500	426	85	3	48-152/17
67-66-3	Chloroform	ND		500	406	81	500	414	83	2	68-120/13
74-87-3	Chloromethane	ND		500	322	64	500	312	62	3	35-156/18
110-82-7	Cyclohexane	ND		500	509	102	500	508	102	0	53-146/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		500	478	96	500	503	101	5	63-134/16
124-48-1	Dibromochloromethane	ND		500	437	87	500	450	90	3	75-122/12
106-93-4	1,2-Dibromoethane	ND		500	471	94	500	488	98	4	63-134/12
95-50-1	1,2-Dichlorobenzene	ND		500	490	98	500	509	102	4	74-119/12
541-73-1	1,3-Dichlorobenzene	ND		500	497	99	500	508	102	2	75-117/12
106-46-7	1,4-Dichlorobenzene	ND		500	493	99	500	504	101	2	72-117/12
75-71-8	Dichlorodifluoromethane	ND		500	472	94	500	477	95	1	34-163/16
75-34-3	1,1-Dichloroethane	ND		500	456	91	500	464	93	2	68-129/13
107-06-2	1,2-Dichloroethane	ND		500	401	80	500	405	81	1	66-120/13
75-35-4	1,1-Dichloroethene	ND		500	459	92	500	457	91	0	59-133/15
156-59-2	cis-1,2-Dichloroethene	7.8	J	500	507	100	500	519	102	2	52-140/12
156-60-5	trans-1,2-Dichloroethene	ND		500	517	103	500	531	106	3	70-125/13
78-87-5	1,2-Dichloropropane	ND		500	412	82	500	420	84	2	73-124/12
10061-01-5	cis-1,3-Dichloropropene	ND		500	454	91	500	461	92	2	75-125/13
10061-02-6	trans-1,3-Dichloropropene	ND		500	447	89	500	460	92	3	75-122/12
123-91-1	1,4-Dioxane	ND		12500	12700	102	12500	12600	101	1	57-145/40
100-41-4	Ethylbenzene	ND		500	460	92	500	477	95	4	37-144/12
76-13-1	Freon 113	ND		500	521	104	500	519	104	0	61-142/14
591-78-6	2-Hexanone	ND		2000	1680	84	2000	1770	89	5	56-132/16
98-82-8	Isopropylbenzene	ND		500	460	92	500	482	96	5	71-126/13
79-20-9	Methyl Acetate	ND		500	488	98	500	506	101	4	51-139/18
108-87-2	Methylcyclohexane	ND		500	508	102	500	515	103	1	59-137/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD94579-1MS	2F11918.D	10	08/22/24	NW	n/a	n/a	V2F370
JD94579-1MSD	2F11920.D	10	08/22/24	NW	n/a	n/a	V2F370
JD94579-1 [a]	2F11916.D	10	08/22/24	NW	n/a	n/a	V2F370

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD94531-4

CAS No.	Compound	JD94579-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		500	476	95	500	485	97	2	66-124/12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		2000	1690	85	2000	1730	87	2	65-135/14
75-09-2	Methylene chloride	ND		500	483	97	500	482	96	0	66-125/14
100-42-5	Styrene	ND		500	468	94	500	488	98	4	71-133/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	501	100	500	511	102	2	68-127/14
127-18-4	Tetrachloroethene	ND		500	488	98	500	505	101	3	58-132/13
108-88-3	Toluene	ND		500	463	93	500	466	93	1	46-139/12
87-61-6	1,2,3-Trichlorobenzene	ND		500	523	105	500	533	107	2	57-136/17
120-82-1	1,2,4-Trichlorobenzene	ND		500	559	112	500	578	116	3	61-137/16
71-55-6	1,1,1-Trichloroethane	ND		500	533	107	500	535	107	0	67-132/13
79-00-5	1,1,2-Trichloroethane	ND		500	448	90	500	453	91	1	75-120/12
79-01-6	Trichloroethene	ND		500	489	98	500	501	100	2	56-136/12
75-69-4	Trichlorofluoromethane	ND		500	471	94	500	483	97	3	61-145/16
75-01-4	Vinyl chloride	ND		500	376	75	500	378	76	1	41-156/16
	m,p-Xylene	ND		1000	944	94	1000	976	98	3	32-151/12
95-47-6	o-Xylene	ND		500	454	91	500	469	94	3	50-139/12
1330-20-7	Xylene (total)	ND		1500	1400	93	1500	1450	97	4	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JD94579-1	Limits
1868-53-7	Dibromofluoromethane	105%	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	95%	88%		80-120%
2037-26-5	Toluene-D8	97%	97%		80-120%
460-00-4	4-Bromofluorobenzene	97%	96%		82-114%

(a) Sample used for QC purposes only.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F324-BFB
Lab File ID: 1F10007.D
Instrument ID: GCMS1F
Injection Date: 06/20/24
Injection Time: 17:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	37423	22.8		Pass
75	30.0 - 60.0% of mass 95	78696	47.9		Pass
95	Base peak, 100% relative abundance	164339	100.0		Pass
96	5.0 - 9.0% of mass 95	10844	6.60		Pass
173	Less than 2.0% of mass 174	1073	0.65	(0.79) [a]	Pass
174	50.0 - 120.0% of mass 95	135984	82.7		Pass
175	5.0 - 9.0% of mass 174	9681	5.89	(7.12) [a]	Pass
176	95.0 - 101.0% of mass 174	130355	79.3	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	8303	5.05	(6.37) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1F324-IC324	1F10009.D	06/20/24	18:44	01:07	Initial cal 0.2
V1F324-IC324	1F10011.D	06/20/24	19:17	01:40	Initial cal 0.5
V1F324-IC324	1F10013.D	06/20/24	19:50	02:13	Initial cal 1
V1F324-IC324	1F10015.D	06/20/24	20:24	02:47	Initial cal 2
V1F324-IC324	1F10017.D	06/20/24	20:57	03:20	Initial cal 4
V1F324-IC324	1F10019.D	06/20/24	21:31	03:54	Initial cal 8
V1F324-IC324	1F10021.D	06/20/24	22:04	04:27	Initial cal 20
V1F324-ICC324	1F10023.D	06/20/24	22:37	05:00	Initial cal 50
V1F324-IC324	1F10025.D	06/20/24	23:10	05:33	Initial cal 100
V1F324-IC324	1F10027.D	06/20/24	23:43	06:06	Initial cal 200
V1F324-ICV324	1F10033.D	06/21/24	01:23	07:46	Initial cal verification 50
V1F324-ICV324	1F10035.D	06/21/24	01:56	08:19	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-BFB
Lab File ID: 1T10954.D
Instrument ID: GCMS1T
Injection Date: 08/16/24
Injection Time: 19:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	45965	19.9		Pass
75	30.0 - 60.0% of mass 95	119936	52.1		Pass
95	Base peak, 100% relative abundance	230421	100.0		Pass
96	5.0 - 9.0% of mass 95	15265	6.62		Pass
173	Less than 2.0% of mass 174	1886	0.82	(1.18) [a]	Pass
174	50.0 - 120.0% of mass 95	159992	69.4		Pass
175	5.0 - 9.0% of mass 174	11876	5.15	(7.42) [a]	Pass
176	95.0 - 101.0% of mass 174	154928	67.2	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	10521	4.57	(6.79) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1T290-IC290	1T10956.D	08/16/24	20:47	00:52	Initial cal 0.2
V1T290-IC290	1T10958.D	08/16/24	21:15	01:20	Initial cal 0.5
V1T290-IC290	1T10960.D	08/16/24	21:42	01:47	Initial cal 1
V1T290-IC290	1T10962.D	08/16/24	22:09	02:14	Initial cal 2
V1T290-IC290	1T10964.D	08/16/24	22:37	02:42	Initial cal 4
V1T290-IC290	1T10966.D	08/16/24	23:04	03:09	Initial cal 8
V1T290-IC290	1T10968.D	08/16/24	23:32	03:37	Initial cal 20
V1T290-ICC290	1T10970.D	08/16/24	23:59	04:04	Initial cal 50
V1T290-IC290	1T10972.D	08/17/24	00:27	04:32	Initial cal 100
V1T290-IC290	1T10974.D	08/17/24	00:54	04:59	Initial cal 200
V1T290-ICV290	1T10980.D	08/17/24	02:16	06:21	Initial cal verification 50
V1T290-ICV290	1T10982.D	08/17/24	02:44	06:49	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2F324-BFB
Lab File ID: 2F10008.D
Instrument ID: GCMS2F
Injection Date: 06/20/24
Injection Time: 17:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	39214	23.7		Pass
75	30.0 - 60.0% of mass 95	80704	48.8		Pass
95	Base peak, 100% relative abundance	165291	100.0		Pass
96	5.0 - 9.0% of mass 95	10729	6.49		Pass
173	Less than 2.0% of mass 174	1109	0.67	(0.81) [a]	Pass
174	50.0 - 120.0% of mass 95	136907	82.8		Pass
175	5.0 - 9.0% of mass 174	9968	6.03	(7.28) [a]	Pass
176	95.0 - 101.0% of mass 174	131955	79.8	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	8235	4.98	(6.24) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2F324-IC324	2F10010.D	06/20/24	19:00	01:06	Initial cal 0.2
V2F324-IC324	2F10012.D	06/20/24	19:34	01:40	Initial cal 0.5
V2F324-IC324	2F10014.D	06/20/24	20:07	02:13	Initial cal 1
V2F324-IC324	2F10016.D	06/20/24	20:41	02:47	Initial cal 2
V2F324-IC324	2F10018.D	06/20/24	21:14	03:20	Initial cal 4
V2F324-IC324	2F10020.D	06/20/24	21:47	03:53	Initial cal 8
V2F324-IC324	2F10022.D	06/20/24	22:20	04:26	Initial cal 20
V2F324-ICC324	2F10024.D	06/20/24	22:53	04:59	Initial cal 50
V2F324-IC324	2F10026.D	06/20/24	23:26	05:32	Initial cal 100
V2F324-IC324	2F10028.D	06/21/24	00:00	06:06	Initial cal 200
V2F324-ICV324	2F10034.D	06/21/24	01:40	07:46	Initial cal verification 50
V2F324-ICV324	2F10036.D	06/21/24	02:13	08:19	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-BFB
Lab File ID: 2T10953.D
Instrument ID: GCMS2T
Injection Date: 08/16/24
Injection Time: 19:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	42915	20.1		Pass
75	30.0 - 60.0% of mass 95	109467	51.4		Pass
95	Base peak, 100% relative abundance	213120	100.0		Pass
96	5.0 - 9.0% of mass 95	14764	6.93		Pass
173	Less than 2.0% of mass 174	1717	0.81	(1.15) [a]	Pass
174	50.0 - 120.0% of mass 95	149557	70.2		Pass
175	5.0 - 9.0% of mass 174	11100	5.21	(7.42) [a]	Pass
176	95.0 - 101.0% of mass 174	142432	66.8	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	9728	4.56	(6.83) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2T290-IC290	2T10957.D	08/16/24	21:01	01:20	Initial cal 0.2
V2T290-IC290	2T10959.D	08/16/24	21:28	01:47	Initial cal 0.5
V2T290-IC290	2T10961.D	08/16/24	21:56	02:15	Initial cal 1
V2T290-IC290	2T10963.D	08/16/24	22:23	02:42	Initial cal 2
V2T290-IC290	2T10965.D	08/16/24	22:51	03:10	Initial cal 4
V2T290-IC290	2T10967.D	08/16/24	23:18	03:37	Initial cal 8
V2T290-IC290	2T10969.D	08/16/24	23:45	04:04	Initial cal 20
V2T290-ICC290	2T10971.D	08/17/24	00:13	04:32	Initial cal 50
V2T290-IC290	2T10973.D	08/17/24	00:40	04:59	Initial cal 100
V2T290-IC290	2T10975.D	08/17/24	01:08	05:27	Initial cal 200
V2T290-ICV290	2T10981.D	08/17/24	02:30	06:49	Initial cal verification 50
V2T290-ICV290	2T10983.D	08/17/24	02:58	07:17	Initial cal verification 50

Internal Standard Area Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Check Std: V1F370-CC324 **Injection Date:** 08/22/24
Lab File ID: 1F11891.D **Injection Time:** 08:51
Instrument ID: GCMS1F **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	357057	2.04	304162	3.21	555593	3.60	259906	7.84	482977	6.10
Upper Limit [a]	714114	2.54	608324	3.71	1111186	4.10	519812	8.34	965954	6.60
Lower Limit [b]	178529	1.54	152081	2.71	277797	3.10	129953	7.34	241489	5.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V1F370-BS	361838	2.04	310306	3.22	564571	3.60	264375	7.84	486606	6.10
V1F370-MB	319179	2.03	291473	3.21	509363	3.59	249072	7.83	459794	6.10
JD94531-3	322023	2.03	285114	3.21	513604	3.59	244898	7.83	456796	6.10
JD94482-2	337937	2.03	284851	3.21	515295	3.59	248389	7.83	456610	6.10
JD94482-2	353841	2.04	298445	3.21	523733	3.60	252702	7.84	473550	6.10
ZZZZZZ	377428	2.04	290306	3.21	519749	3.60	247403	7.84	462784	6.10
ZZZZZZ	340852	2.04	278869	3.21	502473	3.60	242871	7.84	457464	6.10
ZZZZZZ	334740	2.03	275999	3.21	491200	3.59	237057	7.83	442477	6.10
ZZZZZZ	344223	2.03	281139	3.21	498134	3.59	243268	7.84	451646	6.10
JD94482-2MS	386274	2.04	288383	3.21	525982	3.60	251100	7.84	460649	6.10
JD94482-2MSD	385239	2.04	286104	3.21	524368	3.60	248046	7.84	463346	6.10
ZZZZZZ	317523	2.03	284531	3.21	502949	3.60	237854	7.84	449238	6.10
ZZZZZZ	317523	2.03	284531	3.21	502949	3.60	237854	7.84	449238	6.10
ZZZZZZ	333870	2.04	282277	3.21	500847	3.60	239433	7.84	449160	6.10
ZZZZZZ	333870	2.04	282277	3.21	500847	3.60	239433	7.84	449160	6.10
ZZZZZZ	321242	2.03	282544	3.21	494129	3.60	235294	7.84	442060	6.10
ZZZZZZ	313905	2.04	275343	3.21	491888	3.60	235357	7.84	436916	6.10
ZZZZZZ	301369	2.03	275109	3.21	480912	3.59	230296	7.83	429375	6.10

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Chlorobenzene-D5

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Check Std: V1T291-CC290 **Injection Date:** 08/21/24
Lab File ID: 1T10988.D **Injection Time:** 08:46
Instrument ID: GCMS1T **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	209069	2.49	376828	4.46	724319	4.88	588153	6.71	288673	7.92
Upper Limit [a]	418138	2.99	753656	4.96	1448638	5.38	1176306	7.21	577346	8.42
Lower Limit [b]	104535	1.99	188414	3.96	362160	4.38	294077	6.21	144337	7.42

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V1T291-BS	231390	2.50	365847	4.46	734579	4.88	613978	6.72	297696	7.92
V1T291-MB	200830	2.49	329269	4.46	693033	4.88	579698	6.71	283034	7.92
ZZZZZZ	189253	2.49	313608	4.46	678109	4.88	560380	6.71	275664	7.92
JD94272-2	244157	2.49	313619	4.46	663685	4.88	566869	6.71	287602	7.92
ZZZZZZ	244372	2.49	309501	4.46	668674	4.88	564758	6.72	282445	7.92
ZZZZZZ	170567	2.49	300469	4.46	639514	4.88	528532	6.71	257170	7.92
ZZZZZZ	168035	2.50	315291	4.46	651847	4.88	535585	6.72	257149	7.92
ZZZZZZ	193494	2.49	318046	4.46	658867	4.88	536962	6.71	262947	7.92
JD94272-2MS	240643	2.50	373728	4.46	742028	4.88	621975	6.72	299551	7.92
JD94272-2MSD	252383	2.49	386720	4.46	754521	4.88	620124	6.72	296676	7.93
ZZZZZZ	186027	2.49	346311	4.46	689923	4.88	554697	6.71	271490	7.92
JD94531-5	177605	2.49	348010	4.46	683536	4.88	549576	6.71	264631	7.92
ZZZZZZ	201870	2.49	347468	4.46	684110	4.88	558076	6.71	269744	7.92
ZZZZZZ	189162	2.49	358680	4.46	685915	4.88	557681	6.71	272549	7.92
ZZZZZZ	191133	2.49	336465	4.46	660404	4.88	529093	6.72	256322	7.92
JD94531-2	191444	2.49	343420	4.46	674968	4.88	551997	6.72	266704	7.92
ZZZZZZ	197483	2.49	338397	4.46	670547	4.88	548531	6.71	266353	7.92
ZZZZZZ	202743	2.49	338711	4.46	670149	4.88	545985	6.71	265745	7.92

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Check Std: V2F370-CC324 **Injection Date:** 08/22/24
Lab File ID: 2F11892.D **Injection Time:** 09:08
Instrument ID: GCMS2F **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	414641	2.05	314108	3.22	566423	3.60	280241	7.84	511453	6.10
Upper Limit [a]	829282	2.55	628216	3.72	1132846	4.10	560482	8.34	1022906	6.60
Lower Limit [b]	207321	1.55	157054	2.72	283212	3.10	140121	7.34	255727	5.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2F370-BS	380196	2.05	308290	3.22	562083	3.60	279111	7.84	498835	6.10
V2F370-MB	344589	2.04	300937	3.22	527050	3.60	263613	7.84	486600	6.10
ZZZZZZ	346888	2.04	301785	3.22	528112	3.60	260362	7.84	480221	6.10
JD94531-4	366136	2.04	304017	3.22	533764	3.60	270674	7.84	491342	6.10
ZZZZZZ	337532	2.04	294305	3.22	524307	3.60	260700	7.84	476974	6.10
ZZZZZZ	410372	2.04	294329	3.22	530419	3.60	265645	7.84	487404	6.10
ZZZZZZ	341821	2.04	287772	3.22	510718	3.60	252387	7.84	465013	6.10
JD94579-1	358085	2.04	275810	3.22	482259	3.60	242563	7.84	443780	6.10
JD94579-1MS	394374	2.05	284585	3.22	517485	3.60	257130	7.84	468106	6.10
JD94579-1MSD	411059	2.05	293407	3.22	534896	3.60	262923	7.84	474283	6.10
ZZZZZZ	334294	2.04	286489	3.22	498616	3.60	247690	7.84	457847	6.10
ZZZZZZ	337238	2.04	292431	3.22	512207	3.60	258401	7.84	470136	6.10
ZZZZZZ	337238	2.04	292431	3.22	512207	3.60	258401	7.84	470136	6.10
ZZZZZZ	333994	2.04	282209	3.22	499904	3.60	248686	7.84	458074	6.10
ZZZZZZ	333994	2.04	282209	3.22	499904	3.60	248686	7.84	458074	6.10
ZZZZZZ	317453	2.04	282076	3.22	492633	3.60	244422	7.84	450744	6.10
ZZZZZZ	286619	2.04	273372	3.22	476918	3.60	233548	7.84	432540	6.10

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Chlorobenzene-D5

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Check Std: V2T291-CC290 **Injection Date:** 08/21/24
Lab File ID: 2T10989.D **Injection Time:** 09:00
Instrument ID: GCMS2T **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	369529	2.51	367239	4.47	692194	4.88	575378	6.72	275622	7.92
Upper Limit [a]	739058	3.01	734478	4.97	1384388	5.38	1150756	7.22	551244	8.42
Lower Limit [b]	184765	2.01	183620	3.97	346097	4.38	287689	6.22	137811	7.42

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2T291-BS	464747	2.51	351516	4.47	690974	4.88	591987	6.72	286960	7.92
V2T291-MB	347033	2.51	313381	4.47	641630	4.88	543389	6.72	259195	7.92
ZZZZZZ	346311	2.51	308668	4.47	631102	4.89	522125	6.72	246837	7.92
ZZZZZZ	338006	2.51	305765	4.47	625598	4.89	536002	6.72	263950	7.93
JD94272-7	339053	2.51	302221	4.47	631456	4.88	540362	6.72	271125	7.92
ZZZZZZ	361367	2.51	297606	4.47	617874	4.88	524437	6.72	255134	7.92
ZZZZZZ	298179	2.51	291172	4.47	600766	4.88	506398	6.72	242175	7.92
ZZZZZZ	305145	2.51	300888	4.47	614964	4.88	518873	6.72	246429	7.92
ZZZZZZ	304964	2.51	301435	4.47	608557	4.88	515502	6.72	246124	7.92
JD94272-7MS	335511	2.51	342491	4.47	670106	4.88	567855	6.72	271753	7.92
JD94272-7MSD	350237	2.51	364760	4.47	693628	4.88	588601	6.72	282986	7.93
ZZZZZZ	300851	2.51	344747	4.47	651929	4.88	537954	6.72	258239	7.92
ZZZZZZ	297647	2.51	337590	4.47	641729	4.88	532038	6.72	256922	7.92
JD94531-6	278388	2.51	336042	4.47	637199	4.89	528174	6.72	249611	7.92
ZZZZZZ	306669	2.51	339814	4.47	636537	4.88	531510	6.72	251721	7.92
ZZZZZZ	301595	2.51	347911	4.47	651424	4.88	542171	6.72	254392	7.92
JD94531-1	275553	2.51	336683	4.47	643600	4.88	535838	6.72	253956	7.92
ZZZZZZ	286430	2.51	327477	4.47	626041	4.88	520682	6.72	248388	7.92
ZZZZZZ	283592	2.51	332632	4.47	634264	4.88	530300	6.72	245959	7.92
ZZZZZZ	288821	2.51	335162	4.47	633878	4.88	519450	6.72	246575	7.92
ZZZZZZ	286377	2.51	342475	4.47	641716	4.88	525615	6.72	254440	7.92

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD94531-1	2T11027.D	102	98	98	97
JD94531-2	1T11028.D	103	101	99	97
JD94531-3	1F11901.D	107	94	97	99
JD94531-4	2F11902.D	106	97	97	98
JD94531-5	1T11020.D	102	97	100	97
JD94531-6	2T11021.D	101	98	99	98
JD94272-2MS	1T11012.D	100	96	98	99
JD94272-2MSD	1T11014.D	98	95	99	101
JD94272-7MS	2T11011.D	101	94	98	98
JD94272-7MSD	2T11013.D	99	96	99	100
JD94482-2MS	1F11917.D	106	93	96	98
JD94482-2MSD	1F11919.D	106	95	96	99
JD94579-1MS	2F11918.D	105	95	97	97
JD94579-1MSD	2F11920.D	104	88	97	96
V1F370-BS	1F11895.D	104	91	98	98
V1F370-MB	1F11899.D	105	96	97	98
V1T291-BS	1T10992.D	103	97	98	100
V1T291-MB	1T10996.D	112	101	98	98
V2F370-BS	2F11896.D	105	91	97	97
V2F370-MB	2F11898.D	104	95	96	98
V2T291-BS	2T10993.D	104	96	97	100
V2T291-MB	2T10995.D	112	99	98	100

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F324-ICC324
Lab FileID: 1F10023.D

Response Factor Report GCMSF

Method : C:\msdchem\1\methods\M1F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 10:28:39 2024
Response via : Initial Calibration

Calibration Files
4 =1F10017.D 0.5 =1F10011.D 8 =1F10019.D 50 =1F10023.D
100 =1F10025.D 1 =1F10013.D 200 =1F10027.D 20 =1F10021.D
2 =1F10015.D 0.2 =1F10009.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD											
2) ethanol	0.140	0.131	0.132	0.142	0.126	0.147	0.120	0.137	0.137		0.135	6.17
3) tertiary butyl alcohol	1.519	1.580	1.394	1.498	1.410	1.416	1.416	1.449	1.553	1.701	1.494	6.53
4) 1,4-dioxane	0.107		0.105	0.106	0.096		0.091	0.104	0.097		0.101	6.08
5) I pentafluorobenzene	ISTD											
6) chlorodifluoromethane	0.852		0.859	0.887	0.831	1.109	0.818	0.846	1.140		0.918	14.10
7) dichlorodifluoromethane	0.743	0.768	0.765	0.791	0.740	0.742	0.736	0.734	0.809		0.759	3.51
8) chloromethane	0.853		0.837	0.889	0.809	0.963	0.817	0.850	0.938		0.870	6.43
9) vinyl chloride	0.716	0.814	0.736	0.759	0.716	0.731	0.723	0.723	0.812		0.748	5.23
10) 1,3-butadiene	0.554		0.585	0.591	0.550	0.582	0.539	0.564	0.645		0.576	5.77
11) bromomethane	0.198		0.172	0.215	0.229	0.188	0.247	0.184	0.178		0.201	13.19
12) chloroethane	0.403		0.364	0.275	0.205	0.538	0.173	0.336	0.428		0.340	35.42
----- Quadratic regression ----- Coefficient = 0.9908												
Response Ratio = 0.00643 + 0.29196 *A + -0.03156 *A^2												
13) trichlorofluoromethane	0.717	0.766	0.720	0.694	0.593	0.701	0.453	0.721	0.803		0.685	15.20
14) ethyl ether	0.272	0.267	0.273	0.282	0.262	0.272	0.250	0.268	0.302		0.272	5.20
15) acrolein	0.166		0.152	0.162	0.156	0.180	0.147	0.153	0.179		0.162	7.70
16) freon 113	0.360	0.323	0.373	0.385	0.362	0.341	0.356	0.363	0.369	0.386	0.362	5.23
17) 1,1-dichloroethene	0.785	0.782	0.840	0.843	0.803	0.736	0.784	0.802	0.843	0.812	0.803	4.21
18) acetone	0.117		0.118	0.125	0.122	0.126	0.119	0.115	0.126		0.121	3.72
19) acetonitrile	0.143	0.159	0.142	0.145	0.137	0.151	0.135	0.139	0.143		0.144	5.00
20) iodomethane	0.208		0.267	0.412	0.434		0.434	0.328	0.205		0.327	31.20
----- Quadratic regression ----- Coefficient = 0.9976												
Response Ratio = -0.01286 + 0.40505 *A + 0.00910 *A^2												

21) carbon disulfide
1.271 1.601 1.290 1.306 1.236 1.442 1.250 1.234 1.444 1.341 9.42
22) methylene chloride
0.483 0.466 0.475 0.458 0.545 0.455 0.456 0.544 0.485 7.81
23) methyl acetate
0.127 0.125 0.129 0.124 0.125 0.135 0.112 0.156 0.129 9.65
24) methyl tert butyl ether
1.427 1.487 1.432 1.506 1.458 1.320 1.460 1.464 1.410 1.540 1.451 4.13
25) trans-1,2-dichloroethene
0.453 0.454 0.444 0.462 0.441 0.433 0.441 0.441 0.462 0.478 0.451 3.00
26) hexane
1.214 1.489 1.224 1.271 1.233 1.245 1.235 1.231 1.434 1.286 7.89
27) di-isopropyl ether
1.856 1.847 1.853 1.969 1.912 1.839 1.892 1.871 1.927 2.174 1.914 5.24
28) ethyl tert-butyl ether
1.866 1.885 1.834 1.977 1.903 1.807 1.891 1.889 1.863 1.786 1.870 2.86
29) 2-butanone
0.109 0.115 0.114 0.120 0.121 0.118 0.119 0.114 0.115 0.116 3.14
30) 1,1-dichloroethane
1.006 1.108 0.999 1.032 0.991 1.110 0.974 0.977 1.102 1.033 5.58
31) chloroprene
0.924 0.920 0.930 0.973 0.922 0.927 0.927 0.949 0.933 0.934 1.84
32) acrylonitrile
0.308 0.301 0.299 0.310 0.298 0.307 0.284 0.279 0.298 3.83
33) vinyl acetate
0.081 0.075 0.076 0.072 0.063 0.075 0.068 0.073 7.96
34) ethyl acetate
0.093 0.088 0.099 0.101 0.095 0.099 0.092 0.095 4.84
35) 2,2-dichloropropane
0.709 0.731 0.746 0.707 0.875 0.703 0.727 0.815 0.752 8.18
36) cis-1,2-dichloroethene
0.510 0.542 0.512 0.515 0.505 0.464 0.496 0.496 0.474 0.502 4.61
37) propionitrile
0.172 0.164 0.170 0.183 0.179 0.167 0.176 0.172 0.170 0.173 3.45
38) methyl acrylate
0.126 0.118 0.134 0.128 0.126 0.127 0.118 0.130 0.126 4.38
39) bromochloromethane
0.260 0.250 0.259 0.244 0.320 0.237 0.254 0.362 0.273 16.09
40) tetrahydrofuran
0.135 0.117 0.123 0.122 0.109 0.119 0.118 0.129 0.122 6.61
41) chloroform
0.289 0.289 0.288 0.272 0.363 0.273 0.275 0.328 0.297 10.80
42) dibromofluoromethane (s)
0.536 0.523 0.552 0.531 0.536 0.532 0.535 0.535 0.530 0.522 0.533 1.56
43) methacrylonitrile
0.308 0.301 0.311 0.314 0.325 0.308 0.303 0.332 0.313 3.41
44) 1,1,1-trichloroethane
0.752 0.746 0.748 0.801 0.766 0.755 0.761 0.743 0.755 0.758 2.29
45) cyclohexane
0.634 0.599 0.652 0.681 0.637 0.547 0.639 0.620 0.708 0.635 7.26
46) 1,1-dichloropropene
0.652 0.729 0.661 0.693 0.666 0.716 0.663 0.652 0.747 0.687 5.23
47) carbon tetrachloride
0.724 0.782 0.677 0.740 0.705 0.710 0.710 0.694 0.719 0.718 4.16
48) isobutyl alcohol
0.055 0.057 0.065 0.064 0.064 0.056 0.056 0.060 7.81
49) tert-amyl alcohol
0.065 0.061 0.062 0.063 0.064 0.059 0.087 0.066 14.52

Initial Calibration Summary

Job Number: JD94531 **Sample:** V1F324-ICC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F10023.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

50) I 1,4-difluorobenzene ----------ISTD----------

51)	1,2-dichloroethane-d4 (s)											
	0.385	0.389	0.392	0.384	0.370	0.387	0.362	0.386	0.384	0.386	0.382	2.41
52)	iso-octane											
	1.095	1.245	1.109	1.175	1.127	1.142	1.118	1.106	1.170		1.143	4.14
53)	benzene											
	1.068	1.169	1.051	1.095	1.043	1.089	1.025	1.043	1.102		1.076	4.05
54)	tert-amyl methyl ether											
	0.814	0.877	0.798	0.849	0.828	0.785	0.827	0.823	0.831		0.826	3.25
55)	heptane											
	0.236	0.246	0.219	0.232	0.218	0.266	0.215	0.217	0.234		0.231	7.23
56)	isopropyl acetate											
	0.069		0.075	0.077	0.079	0.072	0.076	0.074	0.079		0.075	4.72
57)	1,2-dichloroethane											
	0.486	0.568	0.477	0.467	0.452	0.544	0.440	0.460	0.495		0.488	8.71
58)	n-butyl alcohol											
	0.026	0.024	0.026	0.028	0.027	0.026	0.026	0.026	0.025		0.026	3.91
59)	ethyl acrylate											
	0.639		0.618	0.632	0.627	0.679	0.605	0.611	0.668		0.635	4.17
60)	trichloroethene											
	0.281	0.282	0.291	0.311	0.295	0.282	0.293	0.285	0.287		0.290	3.29
61)	2-nitropropane											
	0.718		0.673	0.704	0.690	0.791	0.674	0.667	0.784		0.713	6.92
62)	2-chloroethyl vinyl ether											
	0.187	0.241	0.180	0.192	0.188	0.187	0.183	0.184	0.199		0.193	9.69
63)	methyl methacrylate											
	0.090		0.089	0.097	0.095	0.097	0.094	0.095	0.097		0.094	3.28
64)	1,2-dichloropropane											
	0.344		0.314	0.330	0.313	0.432	0.308	0.319	0.337		0.337	11.94
65)	methylcyclohexane											
	0.188	0.220	0.195	0.212	0.203	0.179	0.199	0.196	0.196		0.199	6.13
66)	dibromomethane											
	0.196	0.192	0.184	0.188	0.179	0.192	0.176	0.182	0.199		0.188	4.22
67)	bromodichloromethane											
	0.378	0.389	0.372	0.381	0.362	0.353	0.361	0.356	0.386		0.371	3.57
68)	epichlorohydrin											
	0.069		0.069	0.071	0.071	0.072	0.070	0.068	0.074		0.070	2.90
69)	cis-1,3-dichloropropene											
	0.457		0.461	0.471	0.453	0.456	0.451	0.459	0.510		0.465	4.17
70)	4-methyl-2-pentanone											
	0.193	0.198	0.198	0.209	0.203	0.194	0.197	0.199	0.196	0.208	0.200	2.60
71)	3-methyl-1-butanol											
	0.018	0.017	0.018	0.019	0.019	0.017	0.019	0.018	0.019		0.018	4.68

72) I chlorobenzene-d5 ----------ISTD----------

73)	toluene-d8 (s)											
	1.314	1.312	1.310	1.320	1.321	1.310	1.324	1.312	1.325	1.292	1.314	0.74
74)	toluene											
	0.772	0.834	0.759	0.798	0.762	0.802	0.765	0.765	0.777		0.781	3.18
75)	ethyl methacrylate											
	0.474	0.534	0.449	0.475	0.465	0.461	0.458	0.468	0.490		0.475	5.32
76)	trans-1,3-dichloropropene											
	0.524	0.538	0.495	0.528	0.508	0.526	0.508	0.514	0.527		0.519	2.59
77)	1,1,2-trichloroethane											
	0.249	0.277	0.251	0.261	0.250	0.266	0.251	0.256	0.270		0.259	3.90
78)	tetrachloroethene											
	0.344	0.392	0.312	0.352	0.337	0.329	0.339	0.338	0.343		0.343	6.28
79)	2-hexanone											
	0.269	0.296	0.259	0.277	0.265	0.269	0.260	0.262	0.271	0.290	0.272	4.58
80)	1,3-dichloropropane											

Initial Calibration Summary

Job Number: JD94531 **Sample:** V1F324-ICC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F10023.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

	0.503	0.602	0.488	0.529	0.511	0.530	0.502	0.514	0.567		0.527	6.86
81)	butyl acetate											
	0.336	0.388	0.339	0.350	0.347	0.361	0.341	0.349	0.358		0.352	4.50
82)	dibromochloromethane											
	0.373	0.495	0.343	0.381	0.371	0.428	0.371	0.366	0.409		0.393	11.56
83)	1,2-dibromoethane											
	0.338	0.294	0.316	0.343	0.339	0.300	0.339	0.329	0.338	0.383	0.332	7.53
84)	n-butyl ether											
	1.802	1.876	1.704	1.819	1.721	1.764	1.722	1.739	1.843		1.777	3.43
85)	chlorobenzene											
	0.841	0.863	0.866	0.889	0.848	0.819	0.858	0.861	0.896		0.860	2.71
86)	1,1,1,2-tetrachloroethane											
	0.332	0.371	0.300	0.340	0.326	0.319	0.331	0.320	0.324	0.392	0.335	8.01
87)	ethylbenzene											
	1.486	1.724	1.446	1.548	1.465	1.472	1.481	1.472	1.550		1.516	5.67
88)	m,p-xylene											
	0.573	0.607	0.576	0.606	0.578	0.547	0.574	0.569	0.601	0.649	0.588	4.84
89)	o-xylene											
	0.546	0.484	0.550	0.590	0.564	0.536	0.569	0.561	0.559	0.634	0.559	6.83
90)	styrene											
	0.955	0.884	0.909	0.979	0.938	0.873	0.934	0.937	0.952	0.932	0.929	3.47
91)	bromoform											
	0.258	0.219	0.258	0.292	0.288	0.257	0.289	0.276	0.266	0.320	0.272	10.02
92)	butyl acrylate											
	0.992	1.134	0.955	0.987	0.968	1.020	0.929	0.978	1.027		0.999	5.91
93)	n-amyl acetate											
	0.282	0.273	0.254	0.276	0.269	0.288	0.260	0.267	0.283		0.273	4.19
94)	isopropylbenzene											
	1.315	1.337	1.332	1.418	1.364	1.322	1.365	1.327	1.405	1.589	1.377	5.97
95)	cis-1,4-dichloro-2-butene											
	0.194		0.174	0.204	0.204	0.164	0.208	0.190	0.192		0.191	8.02
96)	I 1,4-dichlorobenzene-d ----------ISTD----------											
97)	4-bromofluorobenzene (s)											
	0.980	0.966	0.968	0.963	0.945	0.968	0.942	0.957	0.966	0.954	0.961	1.20
98)	bromobenzene											
	0.704	0.623	0.670	0.719	0.670	0.638	0.683	0.683	0.734	0.835	0.696	8.56
99)	1,1,2,2-tetrachloroethane											
	0.823	0.785	0.818	0.853	0.815	0.809	0.822	0.846	0.859	0.901	0.833	3.91
100)	trans-1,4-dichloro-2-butene											
	0.525	0.448	0.484	0.518	0.487	0.490	0.497	0.490	0.405		0.483	7.55
101)	1,2,3-trichloropropane											
	0.276	0.323	0.252	0.273	0.257	0.287	0.257	0.266	0.287		0.275	7.97
102)	n-propylbenzene											
	3.204	3.394	3.163	3.391	3.141	2.948	3.219	3.177	3.266	3.679	3.258	5.99
103)	2-chlorotoluene											
	0.668	0.715	0.662	0.672	0.640	0.672	0.653	0.654	0.715	0.690	0.674	3.74
104)	4-chlorotoluene											
	2.070	2.256	2.042	2.115	2.019	2.104	2.071	2.046	2.142		2.096	3.40
105)	1,3,5-trimethylbenzene											
	2.313	2.547	2.290	2.458	2.301	2.247	2.341	2.306	2.335	2.554	2.369	4.64
106)	tert-butylbenzene											
	1.934	1.946	1.943	2.101	1.952	1.900	1.971	1.961	2.123	1.926	1.976	3.77
107)	1,2,4-trimethylbenzene											
	2.369	2.490	2.387	2.536	2.363	2.269	2.404	2.395	2.498	2.854	2.457	6.51
108)	sec-butylbenzene											
	2.874	2.740	2.837	3.023	2.864	2.668	2.901	2.851	2.882	3.392	2.903	6.74
109)	1,3-dichlorobenzene											
	1.349	1.297	1.255	1.357	1.297	1.222	1.319	1.313	1.275	1.489	1.317	5.53
110)	p-isopropyltoluene											

Initial Calibration Summary

Job Number: JD94531 **Sample:** V1F324-ICC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F10023.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

	2.426	2.385	2.440	2.649	2.496	2.311	2.529	2.491	2.498	2.789	2.501	5.40
111)	1,4-dichlorobenzene											
	1.341	1.402	1.324	1.408	1.333	1.243	1.343	1.345	1.393		1.348	3.75
112)	1,2-dichlorobenzene											
	1.291	1.223	1.281	1.338	1.276	1.233	1.280	1.280	1.342	1.235	1.278	3.17
113)	1,2,3-trimethylbenzene											
	2.478	2.476	2.422	2.582	2.440	2.365	2.478	2.503	2.559	2.852	2.516	5.32
114)	n-butylbenzene											
	1.118	1.333	1.179	1.266	1.187	1.131	1.257	1.173	1.195	1.411	1.225	7.52
115)	1,2-dibromo-3-chloropropane											
	0.320	0.353	0.310	0.326	0.301	0.301	0.313	0.311	0.336		0.319	5.35
116)	1,3,5-trichlorobenzene											
	0.902	0.893	0.913	1.019	0.950	0.946	0.981	0.975	1.003	1.026	0.961	5.01
117)	1,2,4-trichlorobenzene											
	0.782	0.951	0.834	0.899	0.859	0.652	0.876	0.838	0.844	0.756	0.829	10.03
118)	hexachlorobutadiene											
	0.318	0.405	0.318	0.349	0.325	0.361	0.333	0.328	0.355		0.343	8.12
119)	naphthalene											
	2.678	2.802	2.600	2.850	2.779	2.472	2.888	2.664	2.761		2.721	4.82
120)	1,2,3-trichlorobenzene											
	0.782	0.868	0.799	0.885	0.846	0.762	0.840	0.831	0.797	0.773	0.818	5.09
121)	hexachloroethane											
	0.421	0.428	0.434	0.477	0.451	0.424	0.471	0.427	0.427	0.484	0.444	5.51
122)	benzyl chloride											
	0.346		0.346	0.384	0.354	0.344	0.354	0.358	0.398		0.361	5.50
123)	2-methylnaphthalene											
	1.535		1.525	1.173	1.058		1.050	1.353			1.283	17.23

(#) = Out of Range ### Number of calibration levels exceeded format ###

M1F324.M Fri Jun 21 10:37:21 2024

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F324-ICV324
Lab FileID: 1F10033.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VF324\1F10033.D Vial: 15
Acq On : 21 Jun 2024 1:23 am Operator: PrashanS
Sample : ICV324-50 Inst : GCMSF
Misc : MS82009,V1F324,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 10:28:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	104	0.00	2.05
2		ethanol	0.135	0.136	-0.7	100	0.00	1.59
3	M	tertiary butyl alcohol	1.494	1.481	0.9	102	0.00	2.08
4		1,4-dioxane	0.101	0.106	-5.0	104	0.00	4.20
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	3.22
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.759	0.614	19.1	79	0.00	0.92
8		chloromethane	0.870	0.787	9.5	90	0.00	1.03
9		vinyl chloride	0.748	0.712	4.8	95	0.00	1.05
10		1,3-butadiene	0.576	0.484	16.0	83	0.00	1.06
11		bromomethane	0.201	0.205	-2.0	97	0.00	1.21
		----------	True	Calc.	% Drift	----------		
12		chloroethane	50.000	47.178	5.6	94	0.00	1.27
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane	0.685	0.645	5.8	94	0.00	1.34
14		ethyl ether	0.272	0.276	-1.5	99	0.00	1.50
15		acrolein	0.162	0.156	3.7	98	0.00	1.76
16		freon 113	0.362	0.374	-3.3	99	0.00	1.61
17		1,1-dichloroethene	0.803	0.855	-6.5	103	0.00	1.59
18		acetone	0.121	0.131	-8.3	106	0.00	1.91
19		acetonitrile	0.144	0.151	-4.9	106	0.00	2.16
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	42.303	15.4	83	0.00	1.67
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.341	1.300	3.1	101	0.00	1.61
22		methylene chloride	0.485	0.487	-0.4	104	0.00	1.89
23		methyl acetate	0.129	0.131	-1.6	103	0.00	1.98
24		methyl tert butyl ether	1.451	1.579	-8.8	107	0.00	2.03
25		trans-1,2-dichloroethene	0.451	0.468	-3.8	103	0.00	1.97
26		hexane	1.286	1.339	-4.1	107	0.00	2.02
27		di-isopropyl ether	1.914	2.033	-6.2	105	0.00	2.24
28		ethyl tert-butyl ether	1.870	1.973	-5.5	101	0.00	2.45
29		2-butanone	0.116	0.125	-7.8	106	0.00	2.98
30	M	1,1-dichloroethane	1.033	1.057	-2.3	104	0.00	2.30
31		chloroprene	0.934	1.050	-12.4	110	0.00	2.29
32		acrylonitrile	0.298	0.349	-17.1	119	0.00	2.33
33		vinyl acetate	0.073	0.069	5.5	92	0.00	2.45

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F324-ICV324
Lab FileID: 1F10033.D

34		ethyl acetate	0.095	0.102	-7.4	105	0.00	2.87
35		2,2-dichloropropane	0.752	0.729	3.1	99	0.00	2.68
36		cis-1,2-dichloroethene	0.502	0.523	-4.2	103	0.00	2.61
37		propionitrile	0.173	0.188	-8.7	104	0.00	3.17
38		methyl acrylate	0.126	0.132	-4.8	100	0.00	2.87
39		bromochloromethane	0.273	0.262	4.0	103	0.00	2.73
40		tetrahydrofuran	0.122	0.130	-6.6	108	0.00	2.88
41		chloroform	0.297	0.305	-2.7	108	0.00	2.79
42	S	dibromofluoromethane (s)	0.533	0.534	-0.2	102	0.00	2.90
43		methacrylonitrile	0.313	0.325	-3.8	106	0.00	3.19
44		1,1,1-trichloroethane	0.758	0.824	-8.7	105	0.00	2.91
45		cyclohexane	0.635	0.823	-29.6	123	0.00	2.74
46		1,1-dichloropropene	0.687	0.717	-4.4	105	0.00	2.99
47		carbon tetrachloride	0.718	0.757	-5.4	104	0.00	2.87
48		isobutyl alcohol	0.060	0.065	-8.3	101	0.00	3.33
49		tert-amyl alcohol	0.066	0.065	1.5	106	0.00	3.39
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	3.60
51	S	1,2-dichloroethane-d4 (s)	0.382	0.395	-3.4	106	0.00	3.25
52		iso-octane	1.143	1.117	2.3	98	0.00	3.07
53	M	benzene	1.076	1.104	-2.6	104	0.00	3.16
54		tert-amyl methyl ether	0.826	0.839	-1.6	102	0.00	3.25
55		heptane	0.231	0.236	-2.2	105	0.00	3.15
56		isopropyl acetate	0.075	0.080	-6.7	107	0.00	3.50
57		1,2-dichloroethane	0.488	0.477	2.3	105	0.00	3.30
58		n-butyl alcohol	0.026	0.028	-7.7	103	0.00	3.86
59		ethyl acrylate	0.635	0.639	-0.6	104	0.00	4.01
60		trichloroethene	0.290	0.316	-9.0	104	0.00	3.57
61		2-nitropropane	0.713	0.721	-1.1	105	0.00	4.99
62		2-chloroethyl vinyl ether	0.193	0.194	-0.5	104	0.00	4.53
63		methyl methacrylate	0.094	0.101	-7.4	107	0.00	4.18
64		1,2-dichloropropane	0.337	0.329	2.4	102	0.00	3.97
65		methylcyclohexane	0.199	0.216	-8.5	105	0.00	3.57
66		dibromomethane	0.188	0.190	-1.1	104	0.00	3.89
67		bromodichloromethane	0.371	0.391	-5.4	106	0.00	4.03
68		epichlorohydrin	0.070	0.073	-4.3	105	0.00	4.79
69		cis-1,3-dichloropropene	0.465	0.481	-3.4	105	0.00	4.56
70		4-methyl-2-pentanone	0.200	0.211	-5.5	104	0.00	5.14
71		3-methyl-1-butanol	0.018	0.019	-5.6	104	0.00	4.99
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	6.11
73	S	toluene-d8 (s)	1.314	1.309	0.4	102	0.00	4.73
74		toluene	0.781	0.813	-4.1	105	0.00	4.78
75		ethyl methacrylate	0.475	0.467	1.7	101	0.00	5.35
76		trans-1,3-dichloropropene	0.519	0.537	-3.5	105	0.00	5.17
77		1,1,2-trichloroethane	0.259	0.263	-1.5	104	0.00	5.30
78		tetrachloroethene		----------NA----------				
79		2-hexanone	0.272	0.280	-2.9	104	0.00	5.90
80		1,3-dichloropropane	0.527	0.531	-0.8	103	0.00	5.53
81		butyl acetate	0.352	0.371	-5.4	109	0.00	5.84
82		dibromochloromethane	0.393	0.384	2.3	104	0.00	5.46
83		1,2-dibromoethane	0.332	0.353	-6.3	106	0.00	5.64
84		n-butyl ether	1.777	1.792	-0.8	101	0.00	6.12
85		chlorobenzene	0.860	0.901	-4.8	104	0.00	6.12
86		1,1,1,2-tetrachloroethane	0.335	0.345	-3.0	104	0.00	6.19
87		ethylbenzene	1.516	1.554	-2.5	103	0.00	6.17
88		m,p-xylene	0.588	0.611	-3.9	104	0.00	6.31
89		o-xylene	0.559	0.609	-8.9	106	0.00	6.66
90		styrene	0.929	0.970	-4.4	102	0.00	6.71
91		bromoform	0.272	0.295	-8.5	104	0.00	6.70

Initial Calibration Verification

Job Number: JD94531 **Sample:** V1F324-ICV324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F10033.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate	0.999	0.994	0.5	104	0.00	6.85
93		n-amyl acetate	0.273	0.289	-5.9	108	0.00	7.05
94		isopropylbenzene	1.377	1.483	-7.7	108	0.00	6.92
95		cis-1,4-dichloro-2-butene	0.191	0.213	-11.5	108	0.00	7.17
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.936	2.6	101	0.00	7.11
98		bromobenzene	0.696	0.718	-3.2	104	0.00	7.17
99		1,1,2,2-tetrachloroethane	0.833	0.848	-1.8	103	0.00	7.27
100		trans-1,4-dichloro-2-bute	0.483	0.525	-8.7	106	0.00	7.39
101		1,2,3-trichloropropane	0.275	0.272	1.1	104	0.00	7.34
102		n-propylbenzene	3.258	3.364	-3.3	103	0.00	7.22
103		2-chlorotoluene	0.674	0.680	-0.9	105	0.00	7.31
104		4-chlorotoluene	2.096	2.117	-1.0	104	0.00	7.42
105		1,3,5-trimethylbenzene	2.369	2.453	-3.5	104	0.00	7.36
106		tert-butylbenzene	1.976	2.090	-5.8	104	0.00	7.56
107		1,2,4-trimethylbenzene	2.457	2.529	-2.9	104	0.00	7.61
108		sec-butylbenzene	2.903	3.022	-4.1	104	0.00	7.68
109		1,3-dichlorobenzene	1.317	1.381	-4.9	106	0.00	7.79
110		p-isopropyltoluene	2.501	2.674	-6.9	105	0.00	7.77
111		1,4-dichlorobenzene	1.348	1.408	-4.5	104	0.00	7.85
112		1,2-dichlorobenzene	1.278	1.344	-5.2	105	0.00	8.10
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene	1.225	1.266	-3.3	104	0.00	8.03
115		1,2-dibromo-3-chloropropa	0.319	0.326	-2.2	104	0.00	8.55
116		1,3,5-trichlorobenzene	0.961	1.067	-11.0	109	0.00	8.57
117		1,2,4-trichlorobenzene	0.829	0.915	-10.4	106	0.00	8.92
118		hexachlorobutadiene	0.343	0.347	-1.2	104	0.00	8.91
119		naphthalene	2.721	2.847	-4.6	104	0.00	9.08
120		1,2,3-trichlorobenzene	0.818	0.878	-7.3	103	0.00	9.18
121		hexachloroethane	0.444	0.476	-7.2	104	0.00	8.08
122		benzyl chloride	0.361	0.350	3.0	95	0.00	8.00
123		2-methylnaphthalene	1.283	1.106	13.8	98	0.00	9.62

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1F10023.D M1F324.M Fri Jun 21 10:37:00 2024

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F324-ICV324
Lab FileID: 1F10035.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VF324\1F10035.D Vial: 16
Acq On : 21 Jun 2024 1:56 am Operator: PrashanS
Sample : ICV324-50 Inst : GCMSF
Misc : MS82009,V1F324,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 10:28:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	99	0.00	2.04
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	3.22
6		chlorodifluoromethane	0.918	0.722	21.4	81	0.00	0.94
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.144	0.162	-12.5	111	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.298	0.359	-20.5	120	0.00	2.33
33		vinyl acetate		----------NA----------				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F324-ICV324
Lab FileID: 1F10035.D

34		ethyl acetate		----------NA----------					
35		2,2-dichloropropane		----------NA----------					
36		cis-1,2-dichloroethene		----------NA----------					
37		propionitrile		----------NA----------					
38		methyl acrylate		----------NA----------					
39		bromochloromethane		----------NA----------					
40		tetrahydrofuran		----------NA----------					
41		chloroform		----------NA----------					
42	S	dibromofluoromethane (s)	0.533	0.542	-1.7	102	0.00	2.90	
43		methacrylonitrile		----------NA----------					
44		1,1,1-trichloroethane		----------NA----------					
45		cyclohexane		----------NA----------					
46		1,1-dichloropropene		----------NA----------					
47		carbon tetrachloride		----------NA----------					
48		isobutyl alcohol		----------NA----------					
49		tert-amyl alcohol		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	3.60	
51	S	1,2-dichloroethane-d4 (s)	0.382	0.393	-2.9	99	0.00	3.24	
52		iso-octane		----------NA----------					
53	M	benzene		----------NA----------					
54		tert-amyl methyl ether		----------NA----------					
55		heptane		----------NA----------					
56		isopropyl acetate		----------NA----------					
57		1,2-dichloroethane		----------NA----------					
58		n-butyl alcohol		----------NA----------					
59		ethyl acrylate		----------NA----------					
60		trichloroethene		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	6.11	
73	S	toluene-d8 (s)	1.314	1.313	0.1	99	0.00	4.73	
74		toluene		----------NA----------					
75		ethyl methacrylate		----------NA----------					
76		trans-1,3-dichloropropene		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		tetrachloroethene	0.343	0.344	-0.3	98	0.00	5.12	
79		2-hexanone		----------NA----------					
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		bromoform		----------NA----------					

Initial Calibration Verification

Job Number: JD94531 **Sample:** V1F324-ICV324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F10035.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.957	0.4	100	0.00	7.11
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene	2.516	2.781	-10.5	108	0.00	7.87
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1F10023.D M1F324.M Fri Jun 21 10:36:36 2024

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F370-CC324
Lab FileID: 1F11891.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\a...2024\V1F370\1F11891.d Vial: 3
Acq On : 22 Aug 2024 8:51 am Operator: nickw
Sample : cc324-20 Inst : GCMSF
Misc : MS84347,V1F370,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 10:28:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	2.04
2		ethanol	0.135	0.120	11.1	88	0.00	1.58
3	M	tertiary butyl alcohol	1.494	1.229	17.7	86	0.00	2.08
4		1,4-dioxane	0.101	0.107	-5.9	104	0.00	4.19
5	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	3.21
6		chlorodifluoromethane	0.918	0.744	19.0	91	0.00	0.94
7		dichlorodifluoromethane	0.759	0.768	-1.2	109	0.00	0.91
8		chloromethane	0.870	0.607	30.2#	74	0.00	1.02
9		vinyl chloride	0.748	0.601	19.7	86	0.00	1.05
10		1,3-butadiene	0.576	0.594	-3.1	109	0.00	1.06
11		bromomethane	0.201	0.212	-5.5	120	0.00	1.21
		----------	True	Calc.	% Drift	----------		
12		chloroethane	20.000	21.543	-7.7	98	0.00	1.27
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane	0.685	0.755	-10.2	109	0.00	1.34
14		ethyl ether	0.272	0.261	4.0	101	0.00	1.49
15		acrolein	0.162	0.120	25.9#	82	0.00	1.76
16		freon 113	0.362	0.381	-5.2	109	0.00	1.61
17		1,1-dichloroethene	0.803	0.747	7.0	97	0.00	1.59
18		acetone	0.121	0.110	9.1	99	0.00	1.91
19		acetonitrile	0.144	0.121	16.0	90	0.00	2.15
		----------	True	Calc.	% Drift	----------		
20		iodomethane	20.000	14.711	26.4#	85	0.00	1.66
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.341	1.368	-2.0	115	0.00	1.60
22		methylene chloride	0.485	0.485	0.0	111	0.00	1.88
23		methyl acetate	0.129	0.117	9.3	108	0.00	1.97
24		methyl tert butyl ether	1.451	1.406	3.1	100	0.00	2.03
25		trans-1,2-dichloroethene	0.451	0.449	0.4	106	0.00	1.97
26		hexane	1.286	1.108	13.8	93	0.00	2.01
27		di-isopropyl ether	1.914	1.632	14.7	91	0.00	2.23
28		ethyl tert-butyl ether	1.870	1.639	12.4	90	0.00	2.44
29		2-butanone	0.116	0.122	-5.2	111	0.00	2.97
30	M	1,1-dichloroethane	1.033	0.960	7.1	102	0.00	2.30
31		chloroprene	0.934	0.795	14.9	87	0.00	2.29
32		acrylonitrile	0.298	0.241	19.1	88	0.00	2.32
33		vinyl acetate	0.073	0.111	-52.1#	154	0.00	2.44

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F11891.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

34		ethyl acetate	0.095	0.092	3.2	96	0.00	2.86
35		2,2-dichloropropane	0.752	0.799	-6.3	114	0.00	2.68
36		cis-1,2-dichloroethene	0.502	0.501	0.2	105	0.00	2.61
37		propionitrile	0.173	0.142	17.9	86	0.00	3.16
38		methyl acrylate	0.126	0.122	3.2	107	0.00	2.86
39		bromochloromethane	0.273	0.250	8.4	103	0.00	2.73
40		tetrahydrofuran	0.122	0.112	8.2	98	0.00	2.88
41		chloroform	0.297	0.255	14.1	97	0.00	2.78
42	S	dibromofluoromethane (s)	0.533	0.566	-6.2	110	0.00	2.89
43		methacrylonitrile	0.313	0.287	8.3	99	0.00	3.18
44		1,1,1-trichloroethane	0.758	0.787	-3.8	110	0.00	2.91
45		cyclohexane	0.635	0.742	-16.9	124	0.00	2.74
46		1,1-dichloropropene	0.687	0.693	-0.9	110	0.00	2.99
47		carbon tetrachloride	0.718	0.794	-10.6	119	0.00	2.86
48		isobutyl alcohol	0.060	0.048	20.0	89	0.00	3.32
49		tert-amyl alcohol	0.066	0.047	28.8#	84	0.00	3.39
50	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	3.60
51	S	1,2-dichloroethane-d4 (s)	0.382	0.362	5.2	101	0.00	3.24
52		iso-octane	1.143	1.076	5.9	105	0.00	3.07
53	M	benzene	1.076	1.050	2.4	108	0.00	3.15
54		tert-amyl methyl ether	0.826	0.787	4.7	103	0.00	3.24
55		heptane	0.231	0.198	14.3	98	0.00	3.14
56		isopropyl acetate	0.075	0.072	4.0	105	0.00	3.49
57		1,2-dichloroethane	0.488	0.416	14.8	97	0.00	3.29
58		n-butyl alcohol	0.026	0.020	23.1#	86	0.00	3.85
59		ethyl acrylate	0.635	0.510	19.7	90	0.00	4.00
60		trichloroethene	0.290	0.291	-0.3	110	0.00	3.57
61		2-nitropropane	0.713	0.555	22.2#	90	0.00	4.98
62		2-chloroethyl vinyl ether	0.193	0.195	-1.0	114	0.00	4.52
63		methyl methacrylate	0.094	0.091	3.2	102	0.00	4.17
64		1,2-dichloropropane	0.337	0.286	15.1	96	0.00	3.96
65		methylcyclohexane	0.199	0.198	0.5	109	0.00	3.56
66		dibromomethane	0.188	0.184	2.1	109	0.00	3.88
67		bromodichloromethane	0.371	0.366	1.3	111	0.00	4.02
68		epichlorohydrin	0.070	0.059	15.7	94	0.00	4.78
69		cis-1,3-dichloropropene	0.465	0.445	4.3	104	0.00	4.56
70		4-methyl-2-pentanone	0.200	0.169	15.5	91	0.00	5.13
71		3-methyl-1-butanol	0.018	0.017	5.6	101	0.00	4.99
72	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	6.10
73	S	toluene-d8 (s)	1.314	1.282	2.4	108	0.00	4.73
74		toluene	0.781	0.744	4.7	107	0.00	4.78
75		ethyl methacrylate	0.475	0.421	11.4	99	0.00	5.34
76		trans-1,3-dichloropropene	0.519	0.472	9.1	101	0.00	5.16
77		1,1,2-trichloroethane	0.259	0.238	8.1	103	0.00	5.29
78		tetrachloroethene	0.343	0.347	-1.2	113	0.00	5.12
79		2-hexanone	0.272	0.232	14.7	98	0.00	5.89
80		1,3-dichloropropane	0.527	0.474	10.1	102	0.00	5.53
81		butyl acetate	0.352	0.272	22.7#	86	0.00	5.83
82		dibromochloromethane	0.393	0.348	11.5	105	0.00	5.45
83		1,2-dibromoethane	0.332	0.320	3.6	107	0.00	5.64
84		n-butyl ether	1.777	1.411	20.6#	90	0.00	6.11
85		chlorobenzene	0.860	0.848	1.4	109	0.00	6.12
86		1,1,1,2-tetrachloroethane	0.335	0.302	9.9	104	0.00	6.19
87		ethylbenzene	1.516	1.455	4.0	109	0.00	6.16
88		m,p-xylene	0.588	0.561	4.6	109	0.00	6.30
89		o-xylene	0.559	0.537	3.9	106	0.00	6.66
90		styrene	0.929	0.888	4.4	105	0.00	6.71
91		bromoform	0.272	0.264	2.9	105	0.00	6.70

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F11891.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate	0.999	0.778	22.1#	88	0.00	6.85
93		n-amyl acetate	0.273	0.247	9.5	102	0.00	7.05
94		isopropylbenzene	1.377	1.287	6.5	107	0.00	6.91
95		cis-1,4-dichloro-2-butene	0.191	0.133	30.4#	77	0.00	7.16
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	111	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.933	2.9	108	0.00	7.10
98		bromobenzene	0.696	0.681	2.2	111	0.00	7.16
99		1,1,2,2-tetrachloroethane	0.833	0.832	0.1	109	0.00	7.27
100		trans-1,4-dichloro-2-bute	0.483	0.313	35.2#	71	0.00	7.38
101		1,2,3-trichloropropane	0.275	0.247	10.2	103	0.00	7.34
102		n-propylbenzene	3.258	3.165	2.9	111	0.00	7.21
103		2-chlorotoluene	0.674	0.650	3.6	110	0.00	7.30
104		4-chlorotoluene	2.096	1.995	4.8	108	0.00	7.41
105		1,3,5-trimethylbenzene	2.369	2.221	6.2	107	0.00	7.36
106		tert-butylbenzene	1.976	1.874	5.2	106	0.00	7.56
107		1,2,4-trimethylbenzene	2.457	2.294	6.6	106	0.00	7.61
108		sec-butylbenzene	2.903	2.779	4.3	108	0.00	7.67
109		1,3-dichlorobenzene	1.317	1.330	-1.0	112	0.00	7.79
110		p-isopropyltoluene	2.501	2.442	2.4	109	0.00	7.77
111		1,4-dichlorobenzene	1.348	1.375	-2.0	114	0.00	7.84
112		1,2-dichlorobenzene	1.278	1.299	-1.6	113	0.00	8.09
113		1,2,3-trimethylbenzene	2.516	2.351	6.6	104	0.00	7.87
114		n-butylbenzene	1.225	1.156	5.6	109	0.00	8.02
115		1,2-dibromo-3-chloropropa	0.319	0.281	11.9	100	0.00	8.55
116		1,3,5-trichlorobenzene	0.961	0.968	-0.7	110	0.00	8.57
117		1,2,4-trichlorobenzene	0.829	0.831	-0.2	110	0.00	8.91
118		hexachlorobutadiene	0.343	0.357	-4.1	121	0.00	8.91
119		naphthalene	2.721	2.452	9.9	102	0.00	9.08
120		1,2,3-trichlorobenzene	0.818	0.822	-0.5	110	0.00	9.17
121		hexachloroethane	0.444	0.420	5.4	109	0.00	8.08
122		benzyl chloride	0.361	0.371	-2.8	115	0.00	8.00
123		2-methylnaphthalene	1.283	1.186	7.6	97	0.00	9.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1F10021.D M1F324.M Fri Aug 23 05:23:42 2024

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1F370-CC324
Lab FileID: 1F11893.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\a...2024\V1F370\1F11893.d Vial: 5
Acq On : 22 Aug 2024 9:38 am Operator: nickw
Sample : cc324-1 Inst : GCMSF
Misc : MS84347,V1F370,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 10:28:39 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	92	-0.01	2.03
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	3.21
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane	0.870	0.611	29.8	67	0.00	1.02
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein	0.162	0.113	30.2	67	0.00	1.76
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane	1.000	2.187	-118.7	0	0.00	1.66
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F11893.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

34		ethyl acetate		----------NA----------					
35		2,2-dichloropropane		----------NA----------					
36		cis-1,2-dichloroethene		----------NA----------					
37		propionitrile		----------NA----------					
38		methyl acrylate		----------NA----------					
39		bromochloromethane		----------NA----------					
40		tetrahydrofuran		----------NA----------					
41		chloroform		----------NA----------					
42	S	dibromofluoromethane (s)	0.533	0.556	-4.3	111	0.00	2.89	
43		methacrylonitrile		----------NA----------					
44		1,1,1-trichloroethane		----------NA----------					
45		cyclohexane		----------NA----------					
46		1,1-dichloropropene		----------NA----------					
47		carbon tetrachloride		----------NA----------					
48		isobutyl alcohol		----------NA----------					
49		tert-amyl alcohol	0.066	0.044	33.3	0#	0.00	3.39	
50	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	3.60	
51	S	1,2-dichloroethane-d4 (s)	0.382	0.348	8.9	99	0.00	3.24	
52		iso-octane		----------NA----------					
53	M	benzene		----------NA----------					
54		tert-amyl methyl ether		----------NA----------					
55		heptane		----------NA----------					
56		isopropyl acetate		----------NA----------					
57		1,2-dichloroethane		----------NA----------					
58		n-butyl alcohol	0.026	0.017	34.6	71	0.00	3.85	
59		ethyl acrylate		----------NA----------					
60		trichloroethene		----------NA----------					
61		2-nitropropane	0.713	0.512	28.2	71	-0.01	4.98	
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	111	0.00	6.10	
73	S	toluene-d8 (s)	1.314	1.262	4.0	107	0.00	4.73	
74		toluene		----------NA----------					
75		ethyl methacrylate		----------NA----------					
76		trans-1,3-dichloropropene		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		tetrachloroethene		----------NA----------					
79		2-hexanone		----------NA----------					
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate	0.352	0.228	35.2	70	0.00	5.83	
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether	1.777	1.120	37.0	70	0.00	6.11	
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		bromoform		----------NA----------					

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1F11893.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate	0.999	0.551	44.8	60	0.00	6.85
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene	0.191	0.100	47.6	68	0.00	7.16
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.957	0.4	107	0.00	7.10
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute	0.483	0.215	55.5	47#	0.00	7.38
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1F10013.D M1F324.M Fri Aug 23 05:29:30 2024

Initial Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICC290
Lab FileID: 1T10970.D

Response Factor Report GCMST

Method : C:\msdchem\1\methods\m1t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Aug 23 15:05:44 2024
Response via : Initial Calibration

Calibration Files
4 =1T10964.D 0.5 =1T10958.D 8 =1T10966.D 50 =1T10970.D
100 =1T10972.D 1 =1T10960.D 200 =1T10974.D 20 =1T10968.D
2 =1T10962.D 0.2 =1T10956.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.100		0.094	0.072	0.065	0.118	0.054	0.077	0.098		0.085	25.27
	----- Quadratic regression ----- Coefficient = 0.9988											
	Response Ratio = 0.01046 + 0.07775 *A + -0.00062 *A^2											
3) tertiary butyl alcohol	0.989	1.031	1.011	0.978	1.026	0.870	0.949	0.965	0.861		0.964	6.46
4) 1,4-dioxane	0.072		0.079	0.074	0.072	0.075	0.066	0.073	0.065		0.072	6.49
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.505	0.536	0.502	0.475	0.471	0.526	0.447	0.463	0.510		0.493	6.12
7) dichlorodifluoromethane	0.644	0.635	0.627	0.598	0.609	0.617	0.571	0.587	0.635	0.497	0.602	7.23
8) chloromethane	0.403	0.422	0.384	0.365	0.367	0.429	0.347	0.369	0.422		0.390	7.71
9) vinyl chloride	0.442	0.443	0.429	0.420	0.438	0.461	0.409	0.409	0.440	0.436	0.433	3.76
10) 1,3-butadiene	0.341	0.425	0.330	0.306	0.303	0.354	0.288	0.297	0.356		0.333	12.80
11) bromomethane	0.103		0.109	0.131	0.168	0.099	0.177	0.112	0.093		0.124	25.75
	----- Quadratic regression ----- Coefficient = 0.9964											
	Response Ratio = -0.00134 + 0.12788 *A + 0.01309 *A^2											
12) chloroethane	0.289	0.272	0.276	0.254	0.258	0.278	0.230	0.255	0.292		0.267	7.39
13) trichlorofluoromethane	0.648	0.677	0.621	0.607	0.608	0.682	0.541	0.594	0.617	0.586	0.618	6.85
14) ethyl ether	0.226	0.232	0.230	0.231	0.232	0.239	0.225	0.222	0.218		0.228	2.78
15) acrolein	0.059		0.054	0.056	0.058		0.058	0.056	0.058		0.057	2.93
16) freon 113	0.280	0.294	0.269	0.259	0.259	0.286	0.244	0.252	0.270		0.268	6.21
17) 1,1-dichloroethene	0.569	0.565	0.542	0.529	0.530	0.537	0.496	0.508	0.573	0.497	0.535	5.31
18) acetone	0.062		0.055	0.062	0.063	0.069	0.061	0.058	0.063		0.062	6.42
19) acetonitrile	0.067		0.062	0.059	0.057	0.068	0.058	0.058	0.064		0.062	7.06
20) iodomethane												

Initial Calibration Summary

Job Number: JD94531 **Sample:** V1T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10970.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

```
      0.129       0.154 0.221 0.247       0.239 0.170 0.105        0.181   30.95
         ----- Quadratic regression -----                  Coefficient =  0.9963
              Response Ratio = -0.00710 + 0.22357 *A + 0.00532 *A^2

21)  carbon disulfide
      1.129       1.067 1.001 1.001 1.189 0.957 0.971 1.095        1.051    7.85
22)  methylene chloride
      0.393 0.453 0.385 0.357 0.361 0.418 0.349 0.349 0.412        0.386    9.32
23)  methyl acetate
      0.085       0.083 0.092 0.099 0.083 0.100 0.085 0.080        0.088    8.89
24)  methyl tert butyl ether
      1.015 1.028 0.972 1.077 1.121 0.970 1.102 0.992 0.951 0.908  1.014    6.80
25)  trans-1,2-dichloroethene
      0.372 0.381 0.358 0.358 0.366 0.365 0.354 0.333 0.353 0.325  0.357    4.75
26)  hexane
      0.679 0.840 0.657 0.711 0.756 0.715 0.734 0.654 0.671        0.713    8.30
27)  di-isopropyl ether
      0.986 1.029 0.961 1.044 1.107 0.951 1.084 0.940 0.926 0.923  0.995    6.71
28)  ethyl tert-butyl ether
      0.998 1.034 1.005 1.147 1.206 0.950 1.189 1.031 0.931        1.054    9.62
29)  2-butanone
      0.064       0.064 0.080 0.084 0.062 0.082 0.069 0.059        0.071   14.08
30)  1,1-dichloroethane
      0.708 0.768 0.691 0.660 0.670 0.698 0.635 0.631 0.694 0.699  0.685    5.80
31)  chloroprene
      0.492 0.517 0.497 0.555 0.582 0.513 0.563 0.491 0.476        0.521    7.15
32)  acrylonitrile
      0.167       0.151 0.157 0.166 0.134 0.165 0.153 0.143        0.155    7.56
33)  vinyl acetate
      0.066       0.064 0.068 0.074       0.086 0.066              0.071   11.65
34)  ethyl acetate
      0.066       0.061 0.067 0.074       0.074 0.065              0.068    7.37
35)  2,2-dichloropropane
      0.538 0.606 0.524 0.525 0.542 0.522 0.523 0.501 0.553        0.537    5.50
36)  cis-1,2-dichloroethene
      0.383 0.423 0.379 0.380 0.392 0.380 0.381 0.363 0.357        0.382    4.85
37)  propionitrile
      0.083 0.079 0.080 0.082 0.083 0.081 0.083 0.078 0.077        0.081    2.79
38)  methyl acrylate
      0.068       0.070 0.081 0.088       0.089 0.074              0.078   11.62
39)  bromochloromethane
      0.199 0.176 0.190 0.176 0.174 0.194 0.165 0.177 0.188        0.182    6.10
40)  tetrahydrofuran
      0.052       0.062 0.075 0.081       0.082 0.065              0.069   17.23
41)  chloroform
      0.192       0.185 0.169 0.166 0.240 0.156 0.170 0.208        0.186   14.78
42)  dibromofluoromethane (s)
      0.631 0.636 0.608 0.583 0.574 0.635 0.572 0.598 0.637 0.637  0.611    4.50
43)  methacrylonitrile
      0.184       0.183 0.206 0.216       0.213 0.189 0.156        0.192   10.95
44)  1,1,1-trichloroethane
      0.655 0.665 0.622 0.622 0.629 0.634 0.601 0.593 0.614 0.566  0.620    4.69
45)  cyclohexane
      0.447 0.433 0.441 0.491 0.540 0.424 0.517 0.458 0.387        0.460   10.49
46)  1,1-dichloropropene
      0.465 0.507 0.466 0.499 0.517 0.440 0.496 0.457 0.420        0.474    6.91
47)  carbon tetrachloride
      0.563 0.565 0.543 0.540 0.546 0.556 0.523 0.510 0.535 0.510  0.539    3.67
48)  isobutyl alcohol
      0.017 0.020 0.017 0.022 0.022 0.020 0.023 0.018 0.020        0.020   11.25
```

Initial Calibration Summary

Job Number: JD94531 **Sample:** V1T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10970.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

```
49)  tert-amyl alcohol
      0.028       0.028 0.030 0.029 0.028 0.030 0.029 0.025        0.028    6.01

50) I   1,4-difluorobenzene   ----------------ISTD--------------------
51)  1,2-dichloroethane-d4 (s)
      0.387 0.385 0.375 0.360 0.349 0.386 0.358 0.381 0.389 0.375  0.374    3.78
52)  iso-octane
      0.426 0.415 0.436 0.459 0.504 0.395 0.515 0.441 0.394        0.443    9.77
53)  benzene
      0.743 0.731 0.763 0.759 0.775 0.720 0.740 0.730 0.728 0.675  0.736    3.79
54)  tert-amyl methyl ether
      0.505 0.507 0.500 0.545 0.575 0.522 0.576 0.506 0.472        0.523    6.75
55)  heptane
      0.074       0.078 0.082 0.092       0.089 0.078 0.066        0.080   11.04
56)  isopropyl acetate
      0.047       0.049 0.060 0.064       0.065 0.052 0.043        0.054   16.19
57)  1,2-dichloroethane
      0.334       0.303 0.288 0.289 0.368 0.280 0.291 0.321        0.309    9.73
58)  n-butyl alcohol
      0.006       0.006 0.008 0.008       0.009 0.007 0.006        0.007   17.04
59)  ethyl acrylate
      0.259       0.262 0.314 0.337 0.239 0.336 0.283 0.235        0.283   14.54
60)  trichloroethene
      0.203 0.210 0.192 0.205 0.208 0.186 0.198 0.190 0.185 0.180  0.196    5.29
61)  2-nitropropane
      0.208 0.200 0.194 0.227 0.235 0.180 0.240 0.201 0.184        0.208   10.46
62)  2-chloroethyl vinyl ether
      0.051       0.064 0.107 0.113       0.109 0.087 0.027        0.080   41.74
         ----- Quadratic regression -----                 Coefficient =  0.9977
              Response Ratio = -0.02208 + 0.10957 *A + 0.00009 *A^2

63)  methyl methacrylate
      0.056       0.056 0.069 0.074       0.076 0.059 0.048        0.063   16.81
64)  1,2-dichloropropane
      0.193 0.212 0.191 0.192 0.196 0.191 0.192 0.185 0.191 0.177  0.192    4.60
65)  methylcyclohexane
      0.123 0.115 0.126 0.141 0.152 0.117 0.148 0.128 0.114        0.129   11.12
66)  dibromomethane
      0.137 0.152 0.132 0.130 0.132 0.144 0.129 0.129 0.136        0.136    5.64
67)  bromodichloromethane
      0.281 0.316 0.267 0.271 0.279 0.272 0.269 0.261 0.264 0.299  0.278    6.14
68)  epichlorohydrin
      0.027       0.026 0.031 0.032 0.025 0.032 0.029 0.024        0.028   11.04
69)  cis-1,3-dichloropropene
      0.284 0.268 0.293 0.313 0.330 0.274 0.320 0.291 0.262 0.270  0.290    8.11
70)  4-methyl-2-pentanone
      0.086       0.087 0.109 0.113 0.073 0.109 0.096 0.073        0.093   17.28
71)  3-methyl-1-butanol
      0.006       0.006 0.008 0.008       0.009 0.007 0.005        0.007   19.83

72) I   chlorobenzene-d5      ----------------ISTD--------------------
73)  toluene-d8 (s)
      1.346 1.339 1.343 1.353 1.361 1.338 1.368 1.345 1.342 1.359  1.349    0.76
74)  toluene
      0.578 0.655 0.570 0.574 0.596 0.574 0.572 0.539 0.567 0.582  0.581    5.11
75)  ethyl methacrylate
      0.230       0.247 0.300 0.331       0.326 0.263 0.215        0.273   16.94
76)  trans-1,3-dichloropropene
      0.329 0.339 0.345 0.371 0.385 0.319 0.375 0.341 0.313 0.319  0.344    7.42
77)  1,1,2-trichloroethane
```

Initial Calibration Summary

Job Number: JD94531 **Sample:** V1T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10970.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

	0.199	0.199	0.190	0.189	0.195	0.185	0.187	0.185	0.194	0.151	0.187	7.31
78)	tetrachloroethene											
	0.245	0.243	0.240	0.240	0.248	0.228	0.234	0.234	0.232	0.234	0.238	2.63
79)	2-hexanone											
	0.105		0.110	0.140	0.144	0.091	0.138	0.122	0.094		0.118	17.96
80)	1,3-dichloropropane											
	0.379	0.393	0.377	0.378	0.389	0.377	0.379	0.360	0.353	0.359	0.374	3.48
81)	butyl acetate											
	0.138		0.138	0.173	0.188	0.125	0.189	0.145	0.126		0.153	17.44
82)	dibromochloromethane											
	0.248	0.264	0.242	0.251	0.262	0.264	0.254	0.236	0.240	0.251	0.251	4.00
83)	1,2-dibromoethane											
	0.231	0.221	0.228	0.234	0.241	0.234	0.238	0.227	0.211	0.209	0.227	4.71
84)	n-butyl ether											
	0.669		0.750	0.905	0.961	0.643	0.875	0.793	0.605		0.775	16.87
85)	chlorobenzene											
	0.634	0.680	0.619	0.611	0.622	0.620	0.591	0.593	0.590	0.640	0.620	4.44
86)	1,1,1,2-tetrachloroethane											
	0.219	0.237	0.220	0.225	0.231	0.224	0.222	0.211	0.206	0.184	0.218	6.84
87)	ethylbenzene											
	1.040	0.987	1.048	1.060	1.087	1.124	1.001	0.996	1.005	0.999	1.035	4.39
88)	m,p-xylene											
	0.365	0.387	0.384	0.407	0.422	0.340	0.383	0.382	0.342	0.351	0.376	7.12
89)	o-xylene											
	0.336	0.337	0.336	0.378	0.397	0.294	0.376	0.340	0.294	0.293	0.338	10.97
90)	styrene											
	0.517	0.489	0.550	0.642	0.674	0.469	0.627	0.583	0.447		0.555	14.59
91)	bromoform											
	0.169	0.183	0.165	0.183	0.193	0.174	0.188	0.169	0.158	0.163	0.175	6.64
92)	butyl acrylate											
	0.351		0.378	0.474	0.506		0.483	0.403	0.303		0.414	18.31
93)	n-amyl acetate											
	0.133		0.144	0.183	0.196		0.185	0.159	0.126		0.161	17.25
94)	isopropylbenzene											
	0.771	0.759	0.816	0.899	0.933	0.663	0.851	0.826	0.705	0.727	0.795	10.80
95)	cis-1,4-dichloro-2-butene											
	0.103		0.117	0.136	0.148		0.146	0.117	0.097		0.123	16.33
96)	I 1,4-dichlorobenzene-d ----------ISTD----------											
97)	4-bromofluorobenzene (s)											
	1.037	1.037	1.047	1.068	1.109	1.036	1.113	1.054	1.032	1.036	1.057	2.90
98)	bromobenzene											
	0.479	0.528	0.512	0.508	0.539	0.484	0.521	0.485	0.447	0.484	0.499	5.55
99)	1,1,2,2-tetrachloroethane											
	0.631	0.688	0.643	0.672	0.705	0.664	0.694	0.636	0.621	0.605	0.656	5.13
100)	trans-1,4-dichloro-2-butene											
	0.220	0.224	0.218	0.238	0.257	0.194	0.256	0.210	0.196		0.224	10.33
101)	1,2,3-trichloropropane											
	0.229	0.232	0.223	0.240	0.252	0.221	0.242	0.219	0.202		0.229	6.41
102)	n-propylbenzene											
	2.265	2.261	2.372	2.504	2.619	2.242	2.376	2.317	2.126	2.317	2.340	5.97
103)	2-chlorotoluene											
	0.433	0.424	0.435	0.472	0.510	0.445	0.476	0.436	0.408		0.449	6.97
104)	4-chlorotoluene											
	1.460	1.424	1.544	1.633	1.729	1.345	1.606	1.527	1.391	1.363	1.502	8.48
105)	1,3,5-trimethylbenzene											
	1.497	1.444	1.581	1.784	1.884	1.370	1.724	1.640	1.354		1.586	11.76
106)	tert-butylbenzene											
	1.166	1.094	1.233	1.392	1.499	1.114	1.383	1.257	1.094	1.226	1.246	11.18
107)	1,2,4-trimethylbenzene											

Initial Calibration Summary

Job Number: JD94531 **Sample:** V1T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10970.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

```
       1.422 1.334 1.600 1.828 1.919 1.324 1.757 1.676 1.297        1.573   15.04
108)  sec-butylbenzene
       1.665 1.623 1.804 1.982 2.120 1.469 1.937 1.855 1.544        1.778   12.22
109)  1,3-dichlorobenzene
       0.960 0.990 0.953 0.977 1.025 0.925 0.962 0.926 0.859 0.985  0.956    4.74
110)  p-isopropyltoluene
       1.336 1.317 1.456 1.700 1.806 1.151 1.664 1.543 1.199 1.322  1.449   15.30
111)  1,4-dichlorobenzene
       1.044 1.015 1.014 1.000 1.027 1.026 0.969 0.980 0.994        1.008    2.40
112)  1,2-dichlorobenzene
       0.897 0.893 0.903 0.935 0.962 0.939 0.907 0.894 0.829 0.853  0.901    4.36
113)  1,2,3-trimethylbenzene
       1.745 1.727 1.771 1.904 1.967 1.677 1.808 1.780 1.614 1.796  1.779    5.74
114)  n-butylbenzene
       0.305 0.334 0.322 0.370 0.395 0.278 0.374 0.338 0.284        0.333   12.23
115)  1,2-dibromo-3-chloropropane
       0.150 0.142 0.164 0.179 0.193 0.158 0.194 0.164 0.149        0.166   11.44
116)  1,3,5-trichlorobenzene
       0.563 0.620 0.549 0.579 0.615 0.542 0.588 0.551 0.523 0.551  0.568    5.57
117)  1,2,4-trichlorobenzene
       0.446 0.554 0.464 0.512 0.551 0.435 0.543 0.478 0.424        0.489   10.54
118)  hexachlorobutadiene
       0.195 0.233 0.191 0.185 0.196 0.188 0.193 0.188 0.192        0.196    7.30
119)  naphthalene
       1.271 1.495 1.371 1.791 1.976 1.258 1.901 1.520 1.185        1.530   19.22
120)  1,2,3-trichlorobenzene
       0.434 0.558 0.466 0.499 0.534 0.434 0.514 0.471 0.403        0.479   10.63
121)  hexachloroethane
       0.255 0.248 0.270 0.289 0.322 0.250 0.309 0.267 0.246        0.273   10.21
122)  benzyl chloride
       0.193       0.197 0.243 0.265 0.185 0.265 0.208 0.185        0.218   15.85
123)  2-methylnaphthalene
       0.481       0.517 0.659 0.820       0.870 0.549              0.649   25.20
          ----- Quadratic regression -----                 Coefficient =  0.9973
               Response Ratio = -0.01142 + 0.66730 *A + 0.10935 *A^2


124) i   pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 143A
                                                                     0.000   -1.00
126)  Freon 114
                                                                     0.000   -1.00
127)  Freon 142B
       0.629       0.620 0.642 0.652 0.839 0.652 0.668 0.663        0.671   10.42
128)  Freon 141B
                                                                     0.000   -1.00
129)  vinyl bromide
       0.285       0.320 0.304 0.300 0.316 0.301 0.298 0.339        0.308    5.40

130) i   1,4-dichlorobenzene-d ----------------ISTD---------------------
131)  4-ethyltoluene
                                                                     0.000   -1.00
132)  1,4-diethylbenzene
                                                                     0.000   -1.00
133)  Indane
                                                                     0.000   -1.00
134)  1,2,4,5-tetramethylbenzene
                                                                     0.000   -1.00
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###
```

Initial Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICC290
Lab FileID: 1T10970.D

m1t290.m Wed Aug 28 12:24:47 2024

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICV290
Lab FileID: 1T10980.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VT290\1T10980.D Vial: 15
Acq On : 17 Aug 2024 02:16 am Operator: PrashanS
Sample : ICV290-50 Inst : GCMST
Misc : MS83304,V1T0290,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Mon Aug 19 16:33:44 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	100	0.00	2.50
			True	Calc.	% Drift			
2		ethanol	5000.000	4895.218	2.1	99	0.00	1.84
			AvgRF	CCRF	% Dev			
3	M	tertiary butyl alcohol	0.964	1.006	-4.4	103	0.00	2.55
4		1,4-dioxane	0.072	0.076	-5.6	102	0.00	5.37
5	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	4.46
6		chlorodifluoromethane		NA				
7		dichlorodifluoromethane	0.602	0.473	21.4	81	0.00	1.08
8		chloromethane	0.390	0.361	7.4	102	0.00	1.20
9		vinyl chloride	0.433	0.402	7.2	98	0.00	1.24
10		1,3-butadiene	0.333	0.398	-19.5	134	0.00	1.25
			True	Calc.	% Drift			
11		bromomethane	50.000	45.041	9.9	97	0.00	1.42
			AvgRF	CCRF	% Dev			
12		chloroethane	0.267	0.267	0.0	108	0.00	1.49
13		trichlorofluoromethane	0.618	0.568	8.1	96	0.00	1.57
14		ethyl ether	0.228	0.233	-2.2	103	0.00	1.75
15		acrolein	0.057	0.060	-5.3	111	0.00	2.10
16		freon 113	0.268	0.263	1.9	104	0.00	1.91
17		1,1-dichloroethene	0.535	0.535	0.0	104	0.00	1.88
18		acetone	0.062	0.059	4.8	97	0.00	2.31
19		acetonitrile	0.062	0.060	3.2	105	0.00	2.67
			True	Calc.	% Drift			
20		iodomethane	50.000	43.613	12.8	89	0.00	1.98
			AvgRF	CCRF	% Dev			
21		carbon disulfide	1.051	0.979	6.9	100	0.00	1.91
22		methylene chloride	0.386	0.367	4.9	106	0.00	2.28
23		methyl acetate	0.088	0.092	-4.5	103	0.00	2.40
24		methyl tert butyl ether	1.014	1.134	-11.8	108	0.00	2.49
25		trans-1,2-dichloroethene	0.357	0.360	-0.8	103	0.00	2.40
26		hexane	0.713	0.733	-2.8	106	0.00	2.46
27		di-isopropyl ether	0.995	1.067	-7.2	105	0.00	2.81
28		ethyl tert-butyl ether	1.054	1.138	-8.0	102	0.00	3.16
29		2-butanone	0.071	0.080	-12.7	102	0.00	4.10

Initial Calibration Verification

Job Number: JD94531 **Sample:** V1T290-ICV290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10980.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

30	M	1,1-dichloroethane	0.685	0.663	3.2	103	0.00	2.91
31		chloroprene	0.521	0.592	-13.6	109	0.00	2.89
32		acrylonitrile	0.155	0.174	-12.3	113	0.00	2.96
33		vinyl acetate	0.071	0.068	4.2	102	0.00	3.16
34		ethyl acetate	0.068	0.072	-5.9	110	0.00	3.91
35		2,2-dichloropropane	0.537	0.526	2.0	103	0.00	3.56
36		cis-1,2-dichloroethene	0.382	0.393	-2.9	106	0.00	3.45
37		propionitrile	0.081	0.084	-3.7	104	0.00	4.37
38		methyl acrylate	0.078	0.085	-9.0	109	0.00	3.91
39		bromochloromethane	0.182	0.178	2.2	104	0.00	3.66
40		tetrahydrofuran	0.069	0.078	-13.0	107	0.00	3.92
41		chloroform	0.186	0.172	7.5	104	0.00	3.75
42	S	dibromofluoromethane (s)	0.611	0.580	5.1	102	0.00	3.95
43		methacrylonitrile	0.192	0.207	-7.8	103	0.00	4.40
44		1,1,1-trichloroethane	0.620	0.641	-3.4	106	0.00	3.97
45		cyclohexane	0.460	0.578	-25.7	121	0.00	3.67
46		1,1-dichloropropene	0.474	0.519	-9.5	107	0.00	4.12
47		carbon tetrachloride	0.539	0.539	0.0	103	0.00	3.90
48		isobutyl alcohol	0.020	0.022	-10.0	106	0.00	4.59
49		tert-amyl alcohol	0.028	0.030	-7.1	104	0.00	4.67
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	4.88
51	S	1,2-dichloroethane-d4 (s)	0.374	0.355	5.1	102	0.00	4.48
52		iso-octane	0.443	0.497	-12.2	112	0.00	4.25
53	M	benzene	0.736	0.756	-2.7	103	0.00	4.36
54		tert-amyl methyl ether	0.523	0.531	-1.5	101	0.00	4.49
55		heptane	0.080	0.094	-17.5	118	0.00	4.37
56		isopropyl acetate	0.054	0.059	-9.3	103	0.00	4.78
57		1,2-dichloroethane	0.309	0.291	5.8	105	0.00	4.54
58		n-butyl alcohol	0.007	0.008	-14.3	104	0.00	5.11
59		ethyl acrylate	0.283	0.322	-13.8	106	0.00	5.24
60		trichloroethene	0.196	0.206	-5.1	104	0.00	4.85
61		2-nitropropane	0.208	0.237	-13.9	108	0.00	5.92
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether	250.000	287.463	-15.0	118	0.00	5.61
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate	0.063	0.076	-20.6	115	0.00	5.36
64		1,2-dichloropropane	0.192	0.192	0.0	103	0.00	5.20
65		methylcyclohexane	0.129	0.154	-19.4	113	0.00	4.84
66		dibromomethane	0.136	0.133	2.2	106	0.00	5.13
67		bromodichloromethane	0.278	0.280	-0.7	107	0.00	5.25
68		epichlorohydrin	0.028	0.032	-14.3	105	0.00	5.79
69		cis-1,3-dichloropropene	0.290	0.316	-9.0	104	0.00	5.64
70		4-methyl-2-pentanone	0.093	0.108	-16.1	102	0.00	6.04
71		3-methyl-1-butanol	0.007	0.008	-14.3	106	0.00	5.92
72	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	6.71
73	S	toluene-d8 (s)	1.349	1.350	-0.1	102	0.00	5.75
74		toluene	0.581	0.583	-0.3	104	0.00	5.79
75		ethyl methacrylate	0.273	0.290	-6.2	99	0.00	6.17
76		trans-1,3-dichloropropene	0.344	0.380	-10.5	105	0.00	6.06
77		1,1,2-trichloroethane	0.187	0.192	-2.7	104	0.00	6.16
78		tetrachloroethene		----------	NA	----------		
79		2-hexanone	0.118	0.141	-19.5	103	0.00	6.55
80		1,3-dichloropropane	0.374	0.390	-4.3	106	0.00	6.33
81		butyl acetate	0.153	0.183	-19.6	108	0.00	6.50
82		dibromochloromethane	0.251	0.255	-1.6	104	0.00	6.27
83		1,2-dibromoethane	0.227	0.239	-5.3	105	0.00	6.41

Initial Calibration Verification

Job Number: JD94531 **Sample:** V1T290-ICV290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10980.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

84		n-butyl ether	0.775	0.954	-23.1	108	0.00	6.68
85		chlorobenzene	0.620	0.617	0.5	103	0.00	6.72
86		1,1,1,2-tetrachloroethane	0.218	0.232	-6.4	105	0.00	6.76
87		ethylbenzene	1.035	1.088	-5.1	105	0.00	6.74
88		m,p-xylene	0.376	0.419	-11.4	105	0.00	6.83
89		o-xylene	0.338	0.407	-20.4	110	0.00	7.06
90		styrene	0.555	0.624	-12.4	100	0.00	7.08
91		bromoform	0.175	0.187	-6.9	105	0.00	7.10
92		butyl acrylate	0.414	0.492	-18.8	106	0.00	7.15
93		n-amyl acetate	0.161	0.190	-18.0	106	0.00	7.29
94		isopropylbenzene	0.795	1.000	-25.8	114	0.00	7.23
95		cis-1,4-dichloro-2-butene	0.123	0.133	-8.1	100	0.00	7.40
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.92
97	S	4-bromofluorobenzene (s)	1.057	1.094	-3.5	104	0.00	7.37
98		bromobenzene	0.499	0.537	-7.6	107	0.00	7.42
99		1,1,2,2-tetrachloroethane	0.656	0.681	-3.8	103	0.00	7.47
100		trans-1,4-dichloro-2-bute	0.224	0.247	-10.3	105	0.00	7.56
101		1,2,3-trichloropropane	0.229	0.248	-8.3	105	0.00	7.54
102		n-propylbenzene	2.340	2.608	-11.5	106	0.00	7.44
103		2-chlorotoluene	0.449	0.492	-9.6	106	0.00	7.52
104		4-chlorotoluene	1.502	1.706	-13.6	106	0.00	7.60
105		1,3,5-trimethylbenzene	1.586	1.891	-19.2	108	0.00	7.54
106		tert-butylbenzene	1.246	1.529	-22.7	112	0.00	7.70
107		1,2,4-trimethylbenzene	1.573	1.943	-23.5	108	0.00	7.73
108		sec-butylbenzene	1.778	2.133	-20.0	109	0.00	7.78
109		1,3-dichlorobenzene	0.956	1.013	-6.0	105	0.00	7.89
110		p-isopropyltoluene	1.449	1.822	-25.7	109	0.00	7.85
111		1,4-dichlorobenzene	1.008	1.028	-2.0	104	0.00	7.93
112		1,2-dichlorobenzene	0.901	0.953	-5.8	104	0.00	8.13
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene	0.333	0.391	-17.4	107	0.00	8.05
115		1,2-dibromo-3-chloropropa	0.166	0.187	-12.7	106	0.00	8.50
116		1,3,5-trichlorobenzene	0.568	0.660	-16.2	116	0.00	8.52
117		1,2,4-trichlorobenzene	0.489	0.554	-13.3	110	0.00	8.81
118		hexachlorobutadiene	0.196	0.196	0.0	107	0.00	8.80
119		naphthalene	1.530	1.879	-22.8	107	0.00	8.97
120		1,2,3-trichlorobenzene	0.479	0.518	-8.1	106	0.00	9.05
121		hexachloroethane	0.273	0.307	-12.5	108	0.00	8.12
122		benzyl chloride	0.218	0.242	-11.0	101	0.00	8.05
		----------	True	Calc.	% Drift		----------	
123		2-methylnaphthalene	25.000	26.104	-4.4	113	0.00	9.45
		----------	AvgRF	CCRF	% Dev		----------	
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	103	0.00	4.46
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	102	0.00	7.92
131		4-ethyltoluene		----------NA----------				
132		1,4-diethylbenzene		----------NA----------				
133		Indane		----------NA----------				
134		1,2,4,5-tetramethylbenzen		----------NA----------				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICV290
Lab FileID: 1T10980.D

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 1T10970.D  m1t290.m         Mon Aug 19 16:38:08 2024
```

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICV290
Lab FileID: 1T10982.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VT290\1T10982.D Vial: 16
Acq On : 17 Aug 2024 02:44 am Operator: PrashanS
Sample : ICV290-50 Inst : GCMST
Misc : MS83304,V1T0290,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Mon Aug 19 16:33:44 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	81	0.00	2.50
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	96	0.00	4.46
6		chlorodifluoromethane	0.493	0.551	-11.8	112	0.00	1.11
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
		---------- True	Calc.	% Drift	----------			
11		bromomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile	0.062	0.061	1.6	101	0.00	2.67
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
23		methyl acetate		NA				
24		methyl tert butyl ether		NA				
25		trans-1,2-dichloroethene		NA				
26		hexane		NA				
27		di-isopropyl ether		NA				
28		ethyl tert-butyl ether		NA				
29		2-butanone		NA				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICV290
Lab FileID: 1T10982.D

30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.155	0.181	-16.8	111	0.00	2.95
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				
38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.611	0.601	1.6	99	0.00	3.95
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	98	0.00	4.88
51	S	1,2-dichloroethane-d4 (s)	0.374	0.366	2.1	99	0.00	4.48
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	96	0.00	6.72
73	S	toluene-d8 (s)	1.349	1.341	0.6	95	0.00	5.75
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.238	0.243	-2.1	97	0.00	6.04
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICV290
Lab FileID: 1T10982.D

84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	7.92
97	S	4-bromofluorobenzene (s)	1.057	1.054	0.3	97	0.00	7.37
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene	1.779	2.063	-16.0	107	0.00	7.94
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	96	0.00	4.46
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	98	0.00	7.92
131		4-ethyltoluene		----------NA----------				
132		1,4-diethylbenzene		----------NA----------				
133		Indane		----------NA----------				
134		1,2,4,5-tetramethylbenzen		----------NA----------				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T290-ICV290
Lab FileID: 1T10982.D

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 1T10970.D  m1t290.m         Mon Aug 19 16:40:56 2024
```

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T291-CC290
Lab FileID: 1T10988.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...4 NS\V1T291\1T10988.D Vial: 3
Acq On : 21 Aug 2024 08:46 am Operator: edwardd
Sample : cc290-20 Inst : GCMST
Misc : MS83304,V1T0291,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Mon Aug 19 16:33:44 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	93	0.00	2.49
		---------- True	Calc.	% Drift	----------			
2		ethanol	2000.000	1591.253	20.4#	76	0.00	1.83
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol	0.964	0.950	1.5	92	-0.01	2.55
4		1,4-dioxane	0.072	0.059	18.1	75	0.00	5.37
5	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	4.46
6		chlorodifluoromethane	0.493	0.435	11.8	94	0.00	1.11
7		dichlorodifluoromethane	0.602	0.628	-4.3	107	0.00	1.08
8		chloromethane	0.390	0.375	3.8	102	0.00	1.20
9		vinyl chloride	0.433	0.423	2.3	103	0.00	1.24
10		1,3-butadiene	0.333	0.283	15.0	95	0.00	1.24
		---------- True	Calc.	% Drift	----------			
11		bromomethane	20.000	15.933	20.3#	91	0.00	1.42
		---------- AvgRF	CCRF	% Dev	----------			
12		chloroethane	0.267	0.255	4.5	100	0.00	1.49
13		trichlorofluoromethane	0.618	0.622	-0.6	105	0.00	1.57
14		ethyl ether	0.228	0.215	5.7	97	0.00	1.75
15		acrolein	0.057	0.081	-42.1#	146	0.00	2.10
16		freon 113	0.268	0.257	4.1	102	0.00	1.90
17		1,1-dichloroethene	0.535	0.509	4.9	100	0.00	1.88
18		acetone	0.062	0.075	-21.0#	130	0.00	2.31
19		acetonitrile	0.062	0.054	12.9	92	0.00	2.67
		---------- True	Calc.	% Drift	----------			
20		iodomethane	20.000	14.561	27.2#	86	0.00	1.98
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide	1.051	0.980	6.8	101	0.00	1.91
22		methylene chloride	0.386	0.349	9.6	100	0.00	2.28
23		methyl acetate	0.088	0.082	6.8	97	0.00	2.40
24		methyl tert butyl ether	1.014	1.021	-0.7	103	0.00	2.49
25		trans-1,2-dichloroethene	0.357	0.351	1.7	105	0.00	2.40
26		hexane	0.713	0.704	1.3	108	0.00	2.46
27		di-isopropyl ether	0.995	0.991	0.4	105	0.00	2.81
28		ethyl tert-butyl ether	1.054	1.079	-2.4	105	0.00	3.16
29		2-butanone	0.071	0.080	-12.7	115	0.00	4.09

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10988.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

30	M	1,1-dichloroethane	0.685	0.637	7.0	101	0.00	2.91
31		chloroprene	0.521	0.520	0.2	106	0.00	2.89
32		acrylonitrile	0.155	0.151	2.6	99	0.00	2.95
33		vinyl acetate	0.071	0.089	-25.4#	135	0.00	3.16
34		ethyl acetate	0.068	0.065	4.4	100	0.00	3.91
35		2,2-dichloropropane	0.537	0.551	-2.6	110	0.00	3.56
36		cis-1,2-dichloroethene	0.382	0.374	2.1	103	0.00	3.45
37		propionitrile	0.081	0.074	8.6	95	0.00	4.37
38		methyl acrylate	0.078	0.076	2.6	102	0.00	3.91
39		bromochloromethane	0.182	0.177	2.7	100	0.00	3.66
40		tetrahydrofuran	0.069	0.067	2.9	102	0.00	3.92
41		chloroform	0.186	0.171	8.1	101	0.00	3.75
42	S	dibromofluoromethane (s)	0.611	0.600	1.8	100	0.00	3.95
43		methacrylonitrile	0.192	0.188	2.1	100	0.00	4.39
44		1,1,1-trichloroethane	0.620	0.610	1.6	103	-0.01	3.97
45		cyclohexane	0.460	0.484	-5.2	106	0.00	3.67
46		1,1-dichloropropene	0.474	0.486	-2.5	106	0.00	4.12
47		carbon tetrachloride	0.539	0.522	3.2	103	0.00	3.90
48		isobutyl alcohol	0.020	0.015	25.0#	84	0.00	4.59
49		tert-amyl alcohol	0.028	0.026	7.1	91	0.00	4.67
50	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	4.88
51	S	1,2-dichloroethane-d4 (s)	0.374	0.375	-0.3	99	0.00	4.47
52		iso-octane	0.443	0.485	-9.5	111	0.00	4.25
53	M	benzene	0.736	0.728	1.1	101	0.00	4.36
54		tert-amyl methyl ether	0.523	0.514	1.7	103	0.00	4.49
55		heptane	0.080	0.090	-12.5	116	0.00	4.36
56		isopropyl acetate	0.054	0.053	1.9	102	0.00	4.78
57		1,2-dichloroethane	0.309	0.275	11.0	96	0.00	4.54
58		n-butyl alcohol	0.007	0.006	14.3	83	0.00	5.11
59		ethyl acrylate	0.283	0.283	0.0	101	0.00	5.24
60		trichloroethene	0.196	0.192	2.0	102	0.00	4.85
61		2-nitropropane	0.208	0.181	13.0	91	0.00	5.92
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether	100.000	91.340	8.7	103	0.00	5.61
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate	0.063	0.061	3.2	104	0.00	5.36
64		1,2-dichloropropane	0.192	0.183	4.7	100	0.00	5.20
65		methylcyclohexane	0.129	0.141	-9.3	111	0.00	4.84
66		dibromomethane	0.136	0.123	9.6	96	0.00	5.13
67		bromodichloromethane	0.278	0.259	6.8	100	0.00	5.25
68		epichlorohydrin	0.028	0.027	3.6	92	0.00	5.79
69		cis-1,3-dichloropropene	0.290	0.298	-2.8	103	0.00	5.64
70		4-methyl-2-pentanone	0.093	0.094	-1.1	98	0.00	6.04
71		3-methyl-1-butanol	0.007	0.006	14.3	86	0.00	5.91
72	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	6.71
73	S	toluene-d8 (s)	1.349	1.336	1.0	99	0.00	5.75
74		toluene	0.581	0.556	4.3	103	0.00	5.79
75		ethyl methacrylate	0.273	0.272	0.4	103	0.00	6.17
76		trans-1,3-dichloropropene	0.344	0.356	-3.5	104	0.00	6.06
77		1,1,2-trichloroethane	0.187	0.182	2.7	98	0.00	6.16
78		tetrachloroethene	0.238	0.241	-1.3	102	0.00	6.04
79		2-hexanone	0.118	0.131	-11.0	107	0.00	6.55
80		1,3-dichloropropane	0.374	0.366	2.1	101	0.00	6.33
81		butyl acetate	0.153	0.150	2.0	102	0.00	6.50
82		dibromochloromethane	0.251	0.238	5.2	100	0.00	6.27
83		1,2-dibromoethane	0.227	0.228	-0.4	100	0.00	6.41

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10988.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

84		n-butyl ether	0.775	0.837	-8.0	105	0.00	6.68
85		chlorobenzene	0.620	0.597	3.7	100	0.00	6.72
86		1,1,1,2-tetrachloroethane	0.218	0.218	0.0	103	0.00	6.76
87		ethylbenzene	1.035	1.046	-1.1	105	0.00	6.74
88		m,p-xylene	0.376	0.399	-6.1	104	0.00	6.83
89		o-xylene	0.338	0.368	-8.9	108	0.00	7.06
90		styrene	0.555	0.607	-9.4	104	0.00	7.09
91		bromoform	0.175	0.173	1.1	102	0.00	7.10
92		butyl acrylate	0.414	0.421	-1.7	104	0.00	7.15
93		n-amyl acetate	0.161	0.164	-1.9	102	0.00	7.29
94		isopropylbenzene	0.795	0.889	-11.8	107	0.00	7.23
95		cis-1,4-dichloro-2-butene	0.123	0.128	-4.1	109	0.00	7.40
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	7.92
97	S	4-bromofluorobenzene (s)	1.057	1.055	0.2	103	0.00	7.37
98		bromobenzene	0.499	0.474	5.0	100	0.00	7.42
99		1,1,2,2-tetrachloroethane	0.656	0.634	3.4	102	0.00	7.47
100		trans-1,4-dichloro-2-bute	0.224	0.205	8.5	100	0.00	7.56
101		1,2,3-trichloropropane	0.229	0.217	5.2	101	0.00	7.54
102		n-propylbenzene	2.340	2.394	-2.3	106	0.00	7.44
103		2-chlorotoluene	0.449	0.453	-0.9	106	0.00	7.51
104		4-chlorotoluene	1.502	1.544	-2.8	104	0.00	7.60
105		1,3,5-trimethylbenzene	1.586	1.678	-5.8	105	0.00	7.54
106		tert-butylbenzene	1.246	1.329	-6.7	108	0.00	7.70
107		1,2,4-trimethylbenzene	1.573	1.719	-9.3	105	0.00	7.73
108		sec-butylbenzene	1.778	1.929	-8.5	106	0.00	7.78
109		1,3-dichlorobenzene	0.956	0.952	0.4	105	0.00	7.89
110		p-isopropyltoluene	1.449	1.623	-12.0	108	0.00	7.85
111		1,4-dichlorobenzene	1.008	0.974	3.4	102	0.00	7.93
112		1,2-dichlorobenzene	0.901	0.897	0.4	103	0.00	8.13
113		1,2,3-trimethylbenzene	1.779	1.801	-1.2	104	0.00	7.94
114		n-butylbenzene	0.333	0.356	-6.9	108	0.00	8.05
115		1,2-dibromo-3-chloropropa	0.166	0.166	0.0	104	0.00	8.50
116		1,3,5-trichlorobenzene	0.568	0.576	-1.4	107	0.00	8.52
117		1,2,4-trichlorobenzene	0.489	0.497	-1.6	107	0.00	8.81
118		hexachlorobutadiene	0.196	0.201	-2.6	109	0.00	8.80
119		naphthalene	1.530	1.588	-3.8	107	0.00	8.97
120		1,2,3-trichlorobenzene	0.479	0.486	-1.5	106	0.00	9.06
121		hexachloroethane	0.273	0.278	-1.8	106	0.00	8.12
122		benzyl chloride	0.218	0.238	-9.2	117	0.00	8.05
		----------	True	Calc.	% Drift		----------	
123		2-methylnaphthalene	10.000	9.306	6.9	109	0.00	9.45
		----------	AvgRF	CCRF	% Dev		----------	
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	100	0.00	4.46
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	102	0.00	7.92
131		4-ethyltoluene		----------NA----------				
132		1,4-diethylbenzene		----------NA----------				
133		Indane		----------NA----------				
134		1,2,4,5-tetramethylbenzen		----------NA----------				

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T291-CC290
Lab FileID: 1T10988.D

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 1T10968.D  m1t290.m         Thu Aug 22 17:30:47 2024
```

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T291-CC290
Lab FileID: 1T10990.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...4 NS\V1T291\1T10990.D Vial: 5
Acq On : 21 Aug 2024 09:42 am Operator: edwardd
Sample : cc290-2 Inst : GCMST
Misc : MS83304,V1T0291,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Mon Aug 19 16:33:44 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	85	0.00	2.49
			True	Calc.	% Drift			
2		ethanol	200.000	281.442	-40.7	117	0.00	1.83
			AvgRF	CCRF	% Dev			
3	M	tertiary butyl alcohol			NA			
4		1,4-dioxane			NA			
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	4.46
6		chlorodifluoromethane			NA			
7		dichlorodifluoromethane			NA			
8		chloromethane			NA			
9		vinyl chloride			NA			
10		1,3-butadiene			NA			
			True	Calc.	% Drift			
11		bromomethane	2.000	1.645	17.8	79	0.00	1.42
			AvgRF	CCRF	% Dev			
12		chloroethane			NA			
13		trichlorofluoromethane			NA			
14		ethyl ether			NA			
15		acrolein			NA			
16		freon 113			NA			
17		1,1-dichloroethene			NA			
18		acetone			NA			
19		acetonitrile			NA			
			True	Calc.	% Drift			
20		iodomethane	2.000	2.309	-15.5	79	0.00	1.98
			AvgRF	CCRF	% Dev			
21		carbon disulfide			NA			
22		methylene chloride			NA			
23		methyl acetate			NA			
24		methyl tert butyl ether			NA			
25		trans-1,2-dichloroethene			NA			
26		hexane			NA			
27		di-isopropyl ether			NA			
28		ethyl tert-butyl ether			NA			
29		2-butanone			NA			

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10990.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				
38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.611	0.618	-1.1	99	0.00	3.95
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol	0.020	0.015	25.0	73	0.00	4.59
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	4.88
51	S	1,2-dichloroethane-d4 (s)	0.374	0.362	3.2	95	0.00	4.47
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	98	0.00	6.72
73	S	toluene-d8 (s)	1.349	1.359	-0.7	99	0.00	5.76
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene		----------NA----------				
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V1T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 1T10990.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	7.93
97	S	4-bromofluorobenzene (s)	1.057	1.043	1.3	99	0.00	7.37
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	102	0.00	4.46
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	98	0.00	7.93
131		4-ethyltoluene		----------NA----------				
132		1,4-diethylbenzene		----------NA----------				
133		Indane		----------NA----------				
134		1,2,4,5-tetramethylbenzen		----------NA----------				

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V1T291-CC290
Lab FileID: 1T10990.D

```
(#) = Out of Range              SPCC's out = 0  CCC's out = 0
 1T10962.D  m1t290.m         Thu Aug 22 17:33:41 2024
```

Initial Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2F324-ICC324
Lab FileID: 2F10024.D

Response Factor Report GCMSF

Method : C:\msdchem\1\methods\M2F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 12:27:07 2024
Response via : Initial Calibration

Calibration Files
4 =2F10018.D 0.5 =2F10012.D 8 =2F10020.D 50 =2F10024.D
100 =2F10026.D 1 =2F10014.D 200 =2F10028.D 20 =2F10022.D
2 =2F10016.D 0.2 =2F10010.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.156	0.168	0.155	0.149	0.128	0.186	0.129	0.143	0.177		0.155	12.90
3) tertiary butyl alcohol	1.437	1.446	1.438	1.517	1.325	1.647	1.389	1.428	1.570	1.756	1.495	8.66
4) 1,4-dioxane	0.113		0.109	0.112	0.097	0.115	0.092	0.113	0.119		0.109	8.50
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.906		0.864	0.865	0.826	1.195	0.792	0.822	0.993		0.908	14.49
7) dichlorodifluoromethane	0.740	0.695	0.748	0.775	0.728	0.685	0.707	0.724	0.781		0.731	4.52
8) chloromethane	0.791	0.799	0.727	0.776	0.786	0.690	0.753	0.753	0.784		0.762	4.63
9) vinyl chloride	0.720	0.818	0.704	0.740	0.705	0.659	0.702	0.689	0.787	0.634	0.716	7.68
10) 1,3-butadiene	0.634		0.664	0.636	0.593	0.849	0.570	0.627	0.684		0.657	13.01
11) bromomethane	0.184		0.190	0.226	0.244	0.217	0.255	0.196	0.194		0.213	12.38
12) chloroethane	0.380		0.308	0.208	0.173	0.495		0.243	0.413		0.317	37.14
----- Quadratic regression ----- Coefficient = 0.9955												
Response Ratio = 0.00629 + 0.25133 *A + -0.04179 *A^2												
13) trichlorofluoromethane	0.734	0.720	0.719	0.676	0.429	0.707		0.701	0.772	0.734	0.688	14.62
14) ethyl ether	0.261		0.250	0.269	0.256	0.294	0.247	0.259	0.290		0.266	6.58
15) acrolein	0.153		0.134	0.151	0.153	0.183	0.144	0.143	0.155		0.152	9.39
16) freon 113	0.359	0.358	0.350	0.362	0.342	0.348	0.338	0.342	0.332		0.348	3.00
17) 1,1-dichloroethene	0.799	0.739	0.777	0.812	0.764	0.765	0.752	0.777	0.792	0.771	0.775	2.81
18) acetone	0.114		0.111	0.121	0.117	0.141	0.113	0.111	0.125		0.119	8.59
19) acetonitrile	0.154		0.147	0.158	0.154	0.170	0.151	0.152	0.162		0.156	4.72
20) iodomethane	0.266		0.319	0.499	0.503		0.488	0.401	0.246		0.389	28.87
----- Linear regression ----- Coefficient = 0.9976												
Response Ratio = -0.01564 + 0.49606 *A												

21)	carbon disulfide											
	1.265	1.552	1.216	1.275	1.213	1.424	1.201	1.208	1.369		1.302	9.34
22)	methylene chloride											
	0.502		0.458	0.475	0.451	0.562	0.444	0.457	0.500		0.481	8.11
23)	methyl acetate											
	0.115		0.113	0.138	0.123	0.139	0.136	0.115	0.130		0.126	8.75
24)	methyl tert butyl ether											
	1.378	1.286	1.345	1.490	1.438	1.337	1.385	1.386	1.361	1.558	1.397	5.69
25)	trans-1,2-dichloroethene											
	0.445	0.423	0.412	0.451	0.418	0.392	0.416	0.413	0.423	0.436	0.423	4.04
26)	hexane											
	1.144		1.163	1.252	1.218	1.190	1.171	1.160	1.203		1.188	3.00
27)	di-isopropyl ether											
	1.807	1.861	1.763	1.976	1.871	1.733	1.826	1.814	1.823	1.942	1.842	4.03
28)	ethyl tert-butyl ether											
	1.741	1.846	1.731	1.969	1.880	1.636	1.836	1.825	1.743	1.888	1.810	5.34
29)	2-butanone											
	0.111	0.130	0.105	0.122	0.120	0.116	0.119	0.115	0.106		0.116	6.77
30)	1,1-dichloroethane											
	0.960		1.000	1.013	0.950	1.016	0.924	0.968	0.959		0.974	3.36
31)	chloroprene											
	0.917	0.828	0.885	0.956	0.900	0.897	0.880	0.914	0.905		0.898	3.83
32)	acrylonitrile											
	0.308	0.333	0.278	0.301	0.292	0.282	0.303	0.285	0.259		0.294	7.20
33)	vinyl acetate											
	0.076		0.078	0.078	0.072		0.067	0.076	0.071		0.074	5.58
34)	ethyl acetate											
	0.088		0.088	0.098	0.098	0.110	0.092	0.097	0.094		0.096	7.67
35)	2,2-dichloropropane											
	0.729		0.686	0.734	0.680	0.700	0.668	0.695	0.757		0.706	4.34
36)	cis-1,2-dichloroethene											
	0.494	0.542	0.465	0.511	0.474	0.447	0.474	0.469	0.480		0.484	5.83
37)	propionitrile											
	0.163	0.178	0.164	0.188	0.183	0.163	0.180	0.173	0.173		0.174	5.33
38)	methyl acrylate											
	0.106		0.112	0.128	0.121		0.125	0.116	0.132		0.120	7.69
39)	bromochloromethane											
	0.267		0.252	0.258	0.243	0.281	0.233	0.244	0.327		0.263	11.32
40)	tetrahydrofuran											
	0.133		0.110	0.125	0.122	0.157	0.120	0.114	0.138		0.127	11.76
41)	chloroform											
	0.304	0.350	0.283	0.284	0.267	0.331	0.262	0.267	0.318		0.296	10.57
42)	dibromofluoromethane (s)											
	0.541	0.537	0.539	0.545	0.537	0.540	0.538	0.536	0.542	0.535	0.539	0.56
43)	methacrylonitrile											
	0.310		0.288	0.311	0.298	0.316	0.298	0.298	0.345		0.308	5.67
44)	1,1,1-trichloroethane											
	0.723	0.713	0.715	0.759	0.724	0.669	0.718	0.707	0.738		0.718	3.41
45)	cyclohexane											
	0.602	0.568	0.615	0.649	0.618	0.577	0.609	0.602	0.706		0.616	6.67
46)	1,1-dichloropropene											
	0.644		0.615	0.665	0.638	0.677	0.629	0.611	0.665		0.643	3.78
47)	carbon tetrachloride											
	0.662	0.687	0.669	0.718	0.667	0.680	0.659	0.676	0.735		0.684	3.81
48)	isobutyl alcohol											
	0.054		0.056	0.071	0.073	0.059	0.082	0.061	0.057		0.064	15.74
49)	tert-amyl alcohol											
	0.075		0.065	0.074	0.072	0.075	0.081	0.070	0.064		0.072	7.91

Initial Calibration Summary

Job Number: JD94531 **Sample:** V2F324-ICC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F10024.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

50) I 1,4-difluorobenzene ----------ISTD----------

51)	1,2-dichloroethane-d4 (s)											
	0.394	0.397	0.392	0.394	0.382	0.393	0.378	0.384	0.394	0.398	0.391	1.77
52)	iso-octane											
	1.096	1.168	1.075	1.130	1.091	1.046	1.081	1.089	1.090	1.303	1.117	6.54
53)	benzene											
	1.028	1.323	1.018	1.056	1.005	0.989	0.991	0.997	1.022		1.048	10.05
54)	tert-amyl methyl ether											
	0.805	0.885	0.772	0.830	0.795	0.796	0.796	0.773	0.812		0.807	4.24
55)	heptane											
	0.221		0.223	0.210	0.202	0.219	0.196	0.200	0.237		0.214	6.56
56)	isopropyl acetate											
	0.074		0.076	0.077	0.077	0.072	0.075	0.074	0.076		0.075	2.41
57)	1,2-dichloroethane											
	0.479	0.576	0.467	0.453	0.429	0.500	0.426	0.434	0.518		0.476	10.38
58)	n-butyl alcohol											
	0.028	0.028	0.027	0.031	0.030	0.027	0.029	0.029	0.027		0.029	5.58
59)	ethyl acrylate											
	0.640		0.581	0.627	0.614	0.658	0.596	0.613	0.613		0.618	3.89
60)	trichloroethene											
	0.278	0.320	0.270	0.293	0.281	0.252	0.281	0.278	0.268	0.304	0.283	6.82
61)	2-nitropropane											
	0.766	0.815	0.692	0.795	0.763	0.833	0.732	0.737	0.752		0.765	5.72
62)	2-chloroethyl vinyl ether											
	0.179	0.223	0.173	0.191	0.183	0.185	0.183	0.179	0.186		0.187	7.66
63)	methyl methacrylate											
	0.086		0.087	0.098	0.093	0.096	0.095	0.090	0.084		0.091	5.51
64)	1,2-dichloropropane											
	0.362	0.372	0.304	0.319	0.304	0.404	0.299	0.304	0.326		0.333	11.27
65)	methylcyclohexane											
	0.186	0.213	0.185	0.200	0.192	0.190	0.192	0.188	0.185		0.192	4.63
66)	dibromomethane											
	0.181	0.197	0.183	0.181	0.172	0.208	0.170	0.173	0.186		0.183	6.69
67)	bromodichloromethane											
	0.353	0.384	0.347	0.370	0.351	0.359	0.349	0.353	0.390		0.362	4.39
68)	epichlorohydrin											
	0.077		0.071	0.077	0.074	0.080	0.073	0.073	0.072		0.075	4.00
69)	cis-1,3-dichloropropene											
	0.449	0.493	0.427	0.463	0.442	0.519	0.439	0.441	0.483		0.462	6.61
70)	4-methyl-2-pentanone											
	0.199	0.184	0.194	0.212	0.203	0.201	0.201	0.200	0.200	0.231	0.202	6.08
71)	3-methyl-1-butanol											
	0.019	0.019	0.019	0.023	0.022	0.018	0.021	0.021	0.020		0.020	7.51

72) I chlorobenzene-d5 ----------ISTD----------

73)	toluene-d8 (s)											
	1.296	1.297	1.289	1.295	1.287	1.308	1.296	1.297	1.297	1.300	1.296	0.44
74)	toluene											
	0.747	0.869	0.732	0.752	0.718	0.740	0.708	0.721	0.768		0.751	6.41
75)	ethyl methacrylate											
	0.462	0.466	0.436	0.456	0.450	0.471	0.441	0.441	0.456		0.453	2.71
76)	trans-1,3-dichloropropene											
	0.471	0.556	0.459	0.506	0.488	0.515	0.482	0.472	0.484		0.492	5.94
77)	1,1,2-trichloroethane											
	0.246	0.275	0.236	0.248	0.241	0.277	0.240	0.234	0.247	0.279	0.252	6.97
78)	tetrachloroethene											
	0.314	0.317	0.318	0.334	0.316	0.291	0.313	0.309	0.325	0.353	0.319	5.11
79)	2-hexanone											
	0.268	0.234	0.250	0.280	0.265	0.252	0.263	0.270	0.261	0.239	0.258	5.53
80)	1,3-dichloropropane											

Initial Calibration Summary

Job Number: JD94531 **Sample:** V2F324-ICC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F10024.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

	0.493	0.630	0.463	0.505	0.484	0.530	0.480	0.475	0.514		0.508	9.84
81)	butyl acetate												
	0.329	0.384	0.313	0.345	0.341	0.338	0.331	0.324	0.350		0.339	5.88
82)	dibromochloromethane												
	0.353	0.467	0.340	0.365	0.355	0.358	0.355	0.341	0.375		0.368	10.55
83)	1,2-dibromoethane												
	0.302	0.287	0.301	0.334	0.324	0.294	0.323	0.316	0.328	0.386	0.320	8.76
84)	n-butyl ether												
	1.596		1.578	1.738	1.663	1.561	1.665	1.608	1.641		1.631	3.52
85)	chlorobenzene												
	0.817	0.916	0.824	0.857	0.812	0.789	0.823	0.816	0.842	0.954	0.845	6.09
86)	1,1,1,2-tetrachloroethane												
	0.288	0.238	0.285	0.326	0.311	0.294	0.316	0.300	0.294	0.345	0.300	9.56
87)	ethylbenzene												
	1.442	1.601	1.415	1.455	1.405	1.424	1.404	1.387	1.455	1.766	1.475	8.03
88)	m,p-xylene												
	0.559	0.557	0.568	0.579	0.552	0.541	0.555	0.559	0.592	0.574	0.564	2.63
89)	o-xylene												
	0.558	0.608	0.540	0.577	0.549	0.553	0.547	0.539	0.553	0.640	0.566	5.82
90)	styrene												
	0.903	0.915	0.879	0.949	0.909	0.852	0.911	0.892	0.934	0.898	0.904	3.02
91)	bromoform												
	0.247	0.239	0.238	0.282	0.277	0.235	0.282	0.260	0.242	0.308	0.261	9.53
92)	butyl acrylate												
	0.954	0.964	0.900	0.960	0.951	0.925	0.921	0.910	0.932		0.935	2.47
93)	n-amyl acetate												
	0.257	0.293	0.236	0.268	0.267	0.286	0.258	0.257	0.258		0.264	6.39
94)	isopropylbenzene												
	1.324	1.308	1.265	1.353	1.305	1.229	1.324	1.283	1.226	1.514	1.313	6.23
95)	cis-1,4-dichloro-2-butene												
	0.136		0.133	0.173	0.174		0.181	0.145	0.121		0.152	15.80
96)	I 1,4-dichlorobenzene-d ----------ISTD----------												
97)	4-bromofluorobenzene (s)												
	0.967	0.975	0.955	0.947	0.940	0.974	0.953	0.960	0.972	0.966	0.961	1.24
98)	bromobenzene												
	0.644	0.638	0.654	0.667	0.634	0.620	0.642	0.640	0.723		0.651	4.58
99)	1,1,2,2-tetrachloroethane												
	0.789	0.851	0.784	0.800	0.782	0.760	0.779	0.781	0.820		0.794	3.37
100)	trans-1,4-dichloro-2-butene												
	0.387		0.393	0.433	0.426	0.425	0.439	0.409	0.321		0.404	9.53
101)	1,2,3-trichloropropane												
	0.255	0.282	0.251	0.256	0.248	0.298	0.248	0.242	0.268		0.261	7.04
102)	n-propylbenzene												
	3.011	3.112	2.972	3.060	2.943	2.854	3.014	2.971	3.007	3.288	3.023	3.83
103)	2-chlorotoluene												
	0.620	0.708	0.645	0.641	0.619	0.670	0.610	0.638	0.609		0.640	5.03
104)	4-chlorotoluene												
	1.989	2.202	1.929	1.995	1.922	1.929	1.928	1.952	2.016		1.985	4.45
105)	1,3,5-trimethylbenzene												
	2.161	2.139	2.158	2.249	2.174	2.070	2.218	2.187	2.226	2.629	2.221	6.84
106)	tert-butylbenzene												
	1.873	1.885	1.852	1.919	1.847	1.759	1.869	1.855	1.861	2.205	1.892	6.19
107)	1,2,4-trimethylbenzene												
	1.980	1.998	2.049	2.210	2.139	1.821	2.225	2.034	1.992	2.294	2.074	6.83
108)	sec-butylbenzene												
	2.682	2.499	2.635	2.769	2.701	2.472	2.720	2.655	2.624	2.710	2.647	3.60
109)	1,3-dichlorobenzene												
	1.209	1.242	1.262	1.311	1.230	1.196	1.245	1.242	1.257	1.243	1.244	2.50
110)	p-isopropyltoluene												

Initial Calibration Summary

Job Number: JD94531 **Sample:** V2F324-ICC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F10024.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

```
       2.131 2.025 2.132 2.369 2.306 1.836 2.347 2.205 2.074 2.261  2.168    7.59
111)  1,4-dichlorobenzene
       1.231 1.354 1.230 1.333 1.269 1.242 1.282 1.256 1.315        1.279    3.55
112)  1,2-dichlorobenzene
       1.196 1.124 1.214 1.263 1.231 1.166 1.214 1.214 1.215 1.313  1.215    4.18
113)  1,2,3-trimethylbenzene
       2.075 2.123 2.066 2.262 2.232 1.905 2.287 2.096 2.036 2.268  2.135    5.82
114)  n-butylbenzene
       0.886 0.855 0.916 1.054 1.060 0.805 1.078 0.922 0.858 1.067  0.950   10.95
115)  1,2-dibromo-3-chloropropane
       0.310 0.312 0.288 0.324 0.300 0.336 0.296 0.298 0.298        0.307    4.97
116)  1,3,5-trichlorobenzene
       0.718 0.792 0.734 0.853 0.849 0.689 0.868 0.786 0.703 0.779  0.777    8.36
117)  1,2,4-trichlorobenzene
       0.547 0.555 0.567 0.693 0.700 0.503 0.746 0.623 0.528 0.667  0.613   13.74
118)  hexachlorobutadiene
       0.313 0.359 0.308 0.327 0.317 0.299 0.317 0.322 0.337 0.342  0.324    5.50
119)  naphthalene
       1.503 2.332 1.455 1.715 1.811 2.132 2.030 1.453 1.939        1.819   17.36
120)  1,2,3-trichlorobenzene
       0.563 0.811 0.572 0.679 0.697 0.507 0.723 0.598 0.568 0.771  0.649   15.62
121)  hexachloroethane
       0.389 0.387 0.381 0.437 0.432 0.375 0.442 0.404 0.375        0.402    6.84
122)  benzyl chloride
       0.295 0.355 0.307 0.356 0.336 0.287 0.329 0.323 0.337        0.325    7.50
123)  2-methylnaphthalene
       1.390       1.234 0.776 0.642       0.583 0.983              0.935   34.97
          ----- Quadratic regression -----                 Coefficient =  0.9950
               Response Ratio = 0.03226 + 0.74795 *A + -0.09521 *A^2

 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M2F324.M          Fri Jun 21 12:34:49 2024
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Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2F324-ICV324
Lab FileID: 2F10034.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VF324\2F10034.D Vial: 15
Acq On : 21 Jun 2024 1:40 am Operator: PrashanS
Sample : ICV324-50 Inst : GCMSF
Misc : MS82009,V2F324,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 12:27:07 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	110	0.00	2.05
2		ethanol	0.155	0.137	11.6	101	0.00	1.60
3	M	tertiary butyl alcohol	1.495	1.419	5.1	103	0.00	2.09
4		1,4-dioxane	0.109	0.105	3.7	103	0.00	4.20
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	3.22
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.731	0.587	19.7	77	0.00	0.93
8		chloromethane	0.762	0.741	2.8	98	0.00	1.04
9		vinyl chloride	0.716	0.690	3.6	95	0.00	1.06
10		1,3-butadiene	0.657	0.542	17.5	87	0.00	1.07
11		bromomethane	0.213	0.233	-9.4	105	0.00	1.23
		----------	True	Calc.	% Drift	----------		
12		chloroethane	50.000	44.234	11.5	97	0.00	1.28
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane	0.688	0.627	8.9	95	0.00	1.35
14		ethyl ether	0.266	0.275	-3.4	105	0.00	1.51
15		acrolein	0.152	0.149	2.0	101	0.00	1.77
16		freon 113	0.348	0.351	-0.9	99	0.00	1.62
17		1,1-dichloroethene	0.775	0.822	-6.1	104	0.00	1.60
18		acetone	0.119	0.123	-3.4	104	0.00	1.92
19		acetonitrile	0.156	0.163	-4.5	105	0.00	2.16
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	43.741	12.5	86	0.00	1.68
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.302	1.264	2.9	101	0.00	1.61
22		methylene chloride	0.481	0.485	-0.8	104	0.00	1.90
23		methyl acetate	0.126	0.130	-3.2	97	0.00	1.99
24		methyl tert butyl ether	1.397	1.511	-8.2	104	0.00	2.04
25		trans-1,2-dichloroethene	0.423	0.448	-5.9	102	0.00	1.98
26		hexane	1.188	1.311	-10.4	107	0.00	2.02
27		di-isopropyl ether	1.842	1.997	-8.4	103	0.00	2.25
28		ethyl tert-butyl ether	1.810	1.967	-8.7	102	0.00	2.45
29		2-butanone	0.116	0.127	-9.5	106	0.00	2.98
30	M	1,1-dichloroethane	0.974	1.027	-5.4	104	0.00	2.31
31		chloroprene	0.898	1.025	-14.1	110	0.00	2.29
32		acrylonitrile	0.294	0.340	-15.6	116	0.00	2.33
33		vinyl acetate	0.074	0.068	8.1	89	0.00	2.45

Initial Calibration Verification

Job Number: JD94531 **Sample:** V2F324-ICV324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F10034.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

34		ethyl acetate	0.096	0.103	-7.3	107	0.00	2.87
35		2,2-dichloropropane	0.706	0.714	-1.1	100	0.00	2.68
36		cis-1,2-dichloroethene	0.484	0.508	-5.0	102	0.00	2.62
37		propionitrile	0.174	0.187	-7.5	102	0.00	3.17
38		methyl acrylate	0.120	0.128	-6.7	102	0.00	2.87
39		bromochloromethane	0.263	0.256	2.7	101	0.00	2.74
40		tetrahydrofuran	0.127	0.129	-1.6	105	0.00	2.88
41		chloroform	0.296	0.293	1.0	106	0.00	2.79
42	S	dibromofluoromethane (s)	0.539	0.543	-0.7	102	0.00	2.90
43		methacrylonitrile	0.308	0.318	-3.2	105	0.00	3.19
44		1,1,1-trichloroethane	0.718	0.796	-10.9	107	0.00	2.92
45		cyclohexane	0.616	0.785	-27.4	124	0.00	2.75
46		1,1-dichloropropene	0.643	0.683	-6.2	105	0.00	3.00
47		carbon tetrachloride	0.684	0.745	-8.9	106	0.00	2.88
48		isobutyl alcohol	0.064	0.071	-10.9	103	0.00	3.33
49		tert-amyl alcohol	0.072	0.074	-2.8	102	0.00	3.40
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	3.61
51	S	1,2-dichloroethane-d4 (s)	0.391	0.379	3.1	99	0.00	3.25
52		iso-octane	1.117	1.096	1.9	99	0.00	3.08
53	M	benzene	1.048	1.074	-2.5	104	0.00	3.16
54		tert-amyl methyl ether	0.807	0.813	-0.7	100	0.00	3.25
55		heptane	0.214	0.217	-1.4	106	0.00	3.15
56		isopropyl acetate	0.075	0.079	-5.3	105	0.00	3.50
57		1,2-dichloroethane	0.476	0.461	3.2	104	0.00	3.30
58		n-butyl alcohol	0.029	0.031	-6.9	101	0.00	3.86
59		ethyl acrylate	0.618	0.637	-3.1	104	0.00	4.01
60		trichloroethene	0.283	0.306	-8.1	107	0.00	3.58
61		2-nitropropane	0.765	0.807	-5.5	104	0.00	4.99
62		2-chloroethyl vinyl ether	0.187	0.193	-3.2	104	0.00	4.53
63		methyl methacrylate	0.091	0.100	-9.9	104	0.00	4.18
64		1,2-dichloropropane	0.333	0.320	3.9	103	0.00	3.97
65		methylcyclohexane	0.192	0.213	-10.9	109	0.00	3.57
66		dibromomethane	0.183	0.184	-0.5	104	0.00	3.89
67		bromodichloromethane	0.362	0.385	-6.4	107	0.00	4.03
68		epichlorohydrin	0.075	0.076	-1.3	101	0.00	4.79
69		cis-1,3-dichloropropene	0.462	0.462	0.0	102	0.00	4.57
70		4-methyl-2-pentanone	0.202	0.213	-5.4	103	0.00	5.14
71		3-methyl-1-butanol	0.020	0.022	-10.0	102	0.00	4.99
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	6.11
73	S	toluene-d8 (s)	1.296	1.292	0.3	103	0.00	4.74
74		toluene	0.751	0.766	-2.0	105	0.00	4.78
75		ethyl methacrylate	0.453	0.453	0.0	102	0.00	5.35
76		trans-1,3-dichloropropene	0.492	0.510	-3.7	104	0.00	5.17
77		1,1,2-trichloroethane	0.252	0.249	1.2	103	0.00	5.30
78		tetrachloroethene		----------NA----------				
79		2-hexanone	0.258	0.281	-8.9	103	0.00	5.90
80		1,3-dichloropropane	0.508	0.503	1.0	103	0.00	5.54
81		butyl acetate	0.339	0.368	-8.6	110	0.00	5.84
82		dibromochloromethane	0.368	0.370	-0.5	105	0.00	5.46
83		1,2-dibromoethane	0.320	0.337	-5.3	104	0.00	5.64
84		n-butyl ether	1.631	1.719	-5.4	102	0.00	6.12
85		chlorobenzene	0.845	0.858	-1.5	103	0.00	6.12
86		1,1,1,2-tetrachloroethane	0.300	0.321	-7.0	102	0.00	6.19
87		ethylbenzene	1.475	1.483	-0.5	105	0.00	6.17
88		m,p-xylene	0.564	0.595	-5.5	106	0.00	6.31
89		o-xylene	0.566	0.595	-5.1	106	0.00	6.66
90		styrene	0.904	0.944	-4.4	102	0.00	6.71
91		bromoform	0.261	0.287	-10.0	105	0.00	6.70

Initial Calibration Verification

Job Number: JD94531 **Sample:** V2F324-ICV324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F10034.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate	0.935	0.965	-3.2	104	0.00	6.85
93		n-amyl acetate	0.264	0.278	-5.3	107	0.00	7.05
94		isopropylbenzene	1.313	1.435	-9.3	109	0.00	6.92
95		cis-1,4-dichloro-2-butene	0.152	0.178	-17.1	106	0.00	7.17
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.950	1.1	101	0.00	7.11
98		bromobenzene	0.651	0.692	-6.3	105	0.00	7.17
99		1,1,2,2-tetrachloroethane	0.794	0.813	-2.4	103	0.00	7.27
100		trans-1,4-dichloro-2-bute	0.404	0.453	-12.1	106	0.00	7.39
101		1,2,3-trichloropropane	0.261	0.265	-1.5	104	0.00	7.34
102		n-propylbenzene	3.023	3.177	-5.1	105	0.00	7.22
103		2-chlorotoluene	0.640	0.654	-2.2	103	0.00	7.31
104		4-chlorotoluene	1.985	2.051	-3.3	104	0.00	7.42
105		1,3,5-trimethylbenzene	2.221	2.333	-5.0	105	0.00	7.36
106		tert-butylbenzene	1.892	2.020	-6.8	107	0.00	7.56
107		1,2,4-trimethylbenzene	2.074	2.290	-10.4	105	0.00	7.61
108		sec-butylbenzene	2.647	2.899	-9.5	106	0.00	7.68
109		1,3-dichlorobenzene	1.244	1.335	-7.3	103	0.00	7.79
110		p-isopropyltoluene	2.168	2.431	-12.1	104	0.00	7.77
111		1,4-dichlorobenzene	1.279	1.351	-5.6	103	0.00	7.85
112		1,2-dichlorobenzene	1.215	1.315	-8.2	105	0.00	8.10
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene	0.950	1.071	-12.7	103	0.00	8.03
115		1,2-dibromo-3-chloropropa	0.307	0.329	-7.2	103	0.00	8.55
116		1,3,5-trichlorobenzene	0.777	0.915	-17.8	109	0.00	8.57
117		1,2,4-trichlorobenzene	0.613	0.718	-17.1	105	0.00	8.92
118		hexachlorobutadiene	0.324	0.352	-8.6	109	0.00	8.91
119		naphthalene	1.819	1.748	3.9	103	0.00	9.08
120		1,2,3-trichlorobenzene	0.649	0.718	-10.6	107	0.00	9.18
121		hexachloroethane	0.402	0.456	-13.4	106	0.00	8.08
122		benzyl chloride	0.325	0.340	-4.6	97	0.00	8.00
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene	25.000	25.567	-2.3	102	0.00	9.62

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2F10024.D M2F324.M Fri Jun 21 12:33:51 2024

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2F324-ICV324
Lab FileID: 2F10036.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VF324\2F10036.D Vial: 16
Acq On : 21 Jun 2024 2:13 am Operator: PrashanS
Sample : ICV324-50 Inst : GCMSF
Misc : MS82009,V2F324,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 12:27:07 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	90	0.00	2.05
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	3.22
6		chlorodifluoromethane	0.908	0.694	23.6	80	0.00	0.96
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.156	0.167	-7.1	105	0.00	2.16
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.294	0.348	-18.4	115	0.00	2.34
33		vinyl acetate		----------NA----------				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2F324-ICV324
Lab FileID: 2F10036.D

34		ethyl acetate		----------NA----------					
35		2,2-dichloropropane		----------NA----------					
36		cis-1,2-dichloroethene		----------NA----------					
37		propionitrile		----------NA----------					
38		methyl acrylate		----------NA----------					
39		bromochloromethane		----------NA----------					
40		tetrahydrofuran		----------NA----------					
41		chloroform		----------NA----------					
42	S	dibromofluoromethane (s)	0.539	0.545	-1.1	100	0.00	2.90	
43		methacrylonitrile		----------NA----------					
44		1,1,1-trichloroethane		----------NA----------					
45		cyclohexane		----------NA----------					
46		1,1-dichloropropene		----------NA----------					
47		carbon tetrachloride		----------NA----------					
48		isobutyl alcohol		----------NA----------					
49		tert-amyl alcohol		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00	3.61	
51	S	1,2-dichloroethane-d4 (s)	0.391	0.399	-2.0	96	0.00	3.25	
52		iso-octane		----------NA----------					
53	M	benzene		----------NA----------					
54		tert-amyl methyl ether		----------NA----------					
55		heptane		----------NA----------					
56		isopropyl acetate		----------NA----------					
57		1,2-dichloroethane		----------NA----------					
58		n-butyl alcohol		----------NA----------					
59		ethyl acrylate		----------NA----------					
60		trichloroethene		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	6.11	
73	S	toluene-d8 (s)	1.296	1.297	-0.1	99	0.00	4.74	
74		toluene		----------NA----------					
75		ethyl methacrylate		----------NA----------					
76		trans-1,3-dichloropropene		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		tetrachloroethene	0.319	0.321	-0.6	95	0.00	5.13	
79		2-hexanone		----------NA----------					
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		bromoform		----------NA----------					

Initial Calibration Verification

Job Number: JD94531 **Sample:** V2F324-ICV324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F10036.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.945	1.7	97	0.00	7.11
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene	2.135	2.421	-13.4	104	0.00	7.88
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2F10024.D M2F324.M Fri Jun 21 12:37:30 2024

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2F370-CC324
Lab FileID: 2F11892.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\a...2024\V2F370\2F11892.d Vial: 4
Acq On : 22 Aug 2024 9:08 am Operator: nickw
Sample : cc324-20 Inst : GCMSF
Misc : MS84347,V2F370,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 12:27:07 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	107	0.00	2.05
2		ethanol	0.155	0.115	25.8#	86	0.00	1.59
3	M	tertiary butyl alcohol	1.495	1.121	25.0#	84	0.00	2.09
4		1,4-dioxane	0.109	0.104	4.6	98	0.00	4.19
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	3.22
6		chlorodifluoromethane	0.908	0.713	21.5#	93	0.00	0.96
7		dichlorodifluoromethane	0.731	0.733	-0.3	109	0.00	0.93
8		chloromethane	0.762	0.561	26.4#	80	0.00	1.04
9		vinyl chloride	0.716	0.577	19.4	90	0.00	1.07
10		1,3-butadiene	0.657	0.623	5.2	106	0.00	1.07
11		bromomethane	0.213	0.220	-3.3	120	0.00	1.23
		----------	True	Calc.	% Drift	----------		
12		chloroethane	20.000	20.201	-1.0	111	0.00	1.28
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane	0.688	0.710	-3.2	109	0.00	1.35
14		ethyl ether	0.266	0.236	11.3	98	0.00	1.51
15		acrolein	0.152	0.118	22.4#	88	0.00	1.77
16		freon 113	0.348	0.353	-1.4	111	0.00	1.62
17		1,1-dichloroethene	0.775	0.704	9.2	97	0.00	1.60
18		acetone	0.119	0.085	28.6#	81	0.00	1.92
19		acetonitrile	0.156	0.126	19.2	89	0.00	2.16
		----------	True	Calc.	% Drift	----------		
20		iodomethane	20.000	12.160	39.2#	70	0.00	1.68
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.302	1.274	2.2	113	0.00	1.62
22		methylene chloride	0.481	0.466	3.1	109	0.00	1.90
23		methyl acetate	0.126	0.118	6.3	110	0.00	1.99
24		methyl tert butyl ether	1.397	1.345	3.7	104	0.00	2.04
25		trans-1,2-dichloroethene	0.423	0.444	-5.0	115	0.00	1.98
26		hexane	1.188	1.076	9.4	99	0.00	2.03
27		di-isopropyl ether	1.842	1.585	14.0	94	0.00	2.24
28		ethyl tert-butyl ether	1.810	1.559	13.9	92	0.00	2.45
29		2-butanone	0.116	0.103	11.2	97	0.00	2.98
30	M	1,1-dichloroethane	0.974	0.900	7.6	100	0.00	2.31
31		chloroprene	0.898	0.812	9.6	95	0.00	2.30
32		acrylonitrile	0.294	0.231	21.4#	87	0.00	2.33
33		vinyl acetate	0.074	0.109	-47.3#	154	0.00	2.45

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F11892.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

34		ethyl acetate	0.096	0.083	13.5	91	0.00	2.86
35		2,2-dichloropropane	0.706	0.769	-8.9	119	0.00	2.68
36		cis-1,2-dichloroethene	0.484	0.488	-0.8	112	0.00	2.62
37		propionitrile	0.174	0.139	20.1#	86	0.00	3.17
38		methyl acrylate	0.120	0.110	8.3	101	0.00	2.87
39		bromochloromethane	0.263	0.247	6.1	109	0.00	2.74
40		tetrahydrofuran	0.127	0.109	14.2	102	0.00	2.88
41		chloroform	0.296	0.254	14.2	102	0.00	2.79
42	S	dibromofluoromethane (s)	0.539	0.563	-4.5	112	0.00	2.90
43		methacrylonitrile	0.308	0.282	8.4	101	0.00	3.19
44		1,1,1-trichloroethane	0.718	0.747	-4.0	113	0.00	2.91
45		cyclohexane	0.616	0.690	-12.0	123	0.00	2.75
46		1,1-dichloropropene	0.643	0.648	-0.8	114	0.00	3.00
47		carbon tetrachloride	0.684	0.704	-2.9	112	0.00	2.88
48		isobutyl alcohol	0.064	0.046	28.1#	81	0.00	3.32
49		tert-amyl alcohol	0.072	0.050	30.6#	77	0.00	3.39
50	I	1,4-difluorobenzene	1.000	1.000	0.0	109	0.00	3.60
51	S	1,2-dichloroethane-d4 (s)	0.391	0.372	4.9	105	0.00	3.25
52		iso-octane	1.117	1.065	4.7	106	0.00	3.08
53	M	benzene	1.048	1.020	2.7	111	0.00	3.16
54		tert-amyl methyl ether	0.807	0.732	9.3	103	0.00	3.25
55		heptane	0.214	0.179	16.4	97	0.00	3.15
56		isopropyl acetate	0.075	0.070	6.7	103	0.00	3.49
57		1,2-dichloroethane	0.476	0.387	18.7	97	0.00	3.29
58		n-butyl alcohol	0.029	0.022	24.1#	83	0.00	3.85
59		ethyl acrylate	0.618	0.493	20.2#	88	0.00	4.01
60		trichloroethene	0.283	0.276	2.5	108	0.00	3.57
61		2-nitropropane	0.765	0.579	24.3#	86	0.00	4.99
62		2-chloroethyl vinyl ether	0.187	0.194	-3.7	118	0.00	4.53
63		methyl methacrylate	0.091	0.083	8.8	101	0.00	4.18
64		1,2-dichloropropane	0.333	0.273	18.0	98	0.00	3.97
65		methylcyclohexane	0.192	0.189	1.6	109	0.00	3.57
66		dibromomethane	0.183	0.172	6.0	108	0.00	3.88
67		bromodichloromethane	0.362	0.350	3.3	108	0.00	4.03
68		epichlorohydrin	0.075	0.061	18.7	90	0.00	4.79
69		cis-1,3-dichloropropene	0.462	0.425	8.0	105	0.00	4.57
70		4-methyl-2-pentanone	0.202	0.168	16.8	92	0.00	5.14
71		3-methyl-1-butanol	0.020	0.018	10.0	93	0.00	4.99
72	I	chlorobenzene-d5	1.000	1.000	0.0	113	0.00	6.10
73	S	toluene-d8 (s)	1.296	1.253	3.3	109	0.00	4.73
74		toluene	0.751	0.696	7.3	109	0.00	4.78
75		ethyl methacrylate	0.453	0.394	13.0	101	0.00	5.34
76		trans-1,3-dichloropropene	0.492	0.451	8.3	108	0.00	5.16
77		1,1,2-trichloroethane	0.252	0.222	11.9	108	0.00	5.29
78		tetrachloroethene	0.319	0.316	0.9	116	0.00	5.12
79		2-hexanone	0.258	0.208	19.4	87	0.00	5.89
80		1,3-dichloropropane	0.508	0.440	13.4	105	0.00	5.54
81		butyl acetate	0.339	0.260	23.3#	91	0.00	5.84
82		dibromochloromethane	0.368	0.323	12.2	108	0.00	5.45
83		1,2-dibromoethane	0.320	0.296	7.5	106	0.00	5.64
84		n-butyl ether	1.631	1.344	17.6	95	0.00	6.11
85		chlorobenzene	0.845	0.826	2.2	115	0.00	6.12
86		1,1,1,2-tetrachloroethane	0.300	0.288	4.0	109	0.00	6.19
87		ethylbenzene	1.475	1.370	7.1	112	0.00	6.16
88		m,p-xylene	0.564	0.542	3.9	110	0.00	6.30
89		o-xylene	0.566	0.511	9.7	107	0.00	6.66
90		styrene	0.904	0.849	6.1	108	0.00	6.70
91		bromoform	0.261	0.242	7.3	106	0.00	6.70

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F11892.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate	0.935	0.726	22.4#	90	0.00	6.85
93		n-amyl acetate	0.264	0.227	14.0	100	0.00	7.05
94		isopropylbenzene	1.313	1.227	6.5	108	0.00	6.91
95		cis-1,4-dichloro-2-butene	0.152	0.103	32.2#	80	0.00	7.17
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.941	2.1	111	0.00	7.10
98		bromobenzene	0.651	0.643	1.2	114	0.00	7.16
99		1,1,2,2-tetrachloroethane	0.794	0.768	3.3	111	0.00	7.27
100		trans-1,4-dichloro-2-bute	0.404	0.256	36.6#	71	0.00	7.38
101		1,2,3-trichloropropane	0.261	0.225	13.8	106	0.00	7.34
102		n-propylbenzene	3.023	2.974	1.6	114	0.00	7.21
103		2-chlorotoluene	0.640	0.594	7.2	106	0.00	7.30
104		4-chlorotoluene	1.985	1.872	5.7	109	0.00	7.41
105		1,3,5-trimethylbenzene	2.221	2.085	6.1	108	0.00	7.36
106		tert-butylbenzene	1.892	1.782	5.8	109	0.00	7.56
107		1,2,4-trimethylbenzene	2.074	1.997	3.7	111	0.00	7.61
108		sec-butylbenzene	2.647	2.599	1.8	111	0.00	7.67
109		1,3-dichlorobenzene	1.244	1.265	-1.7	116	0.00	7.79
110		p-isopropyltoluene	2.168	2.193	-1.2	113	0.00	7.77
111		1,4-dichlorobenzene	1.279	1.280	-0.1	116	0.00	7.84
112		1,2-dichlorobenzene	1.215	1.189	2.1	111	0.00	8.09
113		1,2,3-trimethylbenzene	2.135	2.066	3.2	112	0.00	7.87
114		n-butylbenzene	0.950	1.006	-5.9	124	0.00	8.02
115		1,2-dibromo-3-chloropropa	0.307	0.273	11.1	104	0.00	8.55
116		1,3,5-trichlorobenzene	0.777	0.813	-4.6	117	0.00	8.57
117		1,2,4-trichlorobenzene	0.613	0.648	-5.7	118	0.00	8.91
118		hexachlorobutadiene	0.324	0.354	-9.3	125	0.00	8.91
119		naphthalene	1.819	1.594	12.4	124	0.00	9.08
120		1,2,3-trichlorobenzene	0.649	0.641	1.2	122	0.00	9.17
121		hexachloroethane	0.402	0.384	4.5	108	0.00	8.08
122		benzyl chloride	0.325	0.355	-9.2	125	0.00	8.00
			True	Calc.	% Drift			
123		2-methylnaphthalene	10.000	10.030	-0.3	103	0.00	9.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2F10022.D M2F324.M Fri Aug 23 06:48:32 2024

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2F370-CC324
Lab FileID: 2F11894.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\a...2024\V2F370\2F11894.d Vial: 6
Acq On : 22 Aug 2024 9:54 am Operator: nickw
Sample : cc324-1 Inst : GCMSF
Misc : MS84347,V2F370,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2F324.M (RTE Integrator)
Title : SW-846 Method 8260d, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Jun 21 12:27:07 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	105	0.00	2.04
2		ethanol	0.155	0.126	18.7	71	0.00	1.58
3	M	tertiary butyl alcohol	1.495	1.149	23.1	73	0.00	2.09
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	3.22
6		chlorodifluoromethane	0.908	0.585	35.6	53	0.00	0.95
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane	0.762	0.565	25.9	88	0.00	1.04
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
12		chloroethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein	0.152	0.109	28.3	64	0.00	1.76
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone	0.119	0.086	27.7	66	0.00	1.91
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane	1.000	1.909	-90.9	0	0.00	1.67
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.294	0.259	11.9	99	0.00	2.33
33		vinyl acetate		----------NA----------				

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F11894.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile	0.174	0.133	23.6	88	0.00	3.17
38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.539	0.568	-5.4	113	0.00	2.90
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol	0.064	0.040	37.5	74	0.00	3.33
49		tert-amyl alcohol	0.072	0.048	33.3	69	0.00	3.39
50	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	3.60
51	S	1,2-dichloroethane-d4 (s)	0.391	0.372	4.9	104	0.00	3.25
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol	0.029	0.018	37.9	74	0.00	3.85
59		ethyl acrylate	0.618	0.442	28.5	74	0.00	4.02
60		trichloroethene		----------NA----------				
61		2-nitropropane	0.765	0.551	28.0	73	0.00	4.99
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	112	0.00	6.10
73	S	toluene-d8 (s)	1.296	1.262	2.6	108	0.00	4.73
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene		----------NA----------				
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate	0.339	0.264	22.1	88	0.00	5.83
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2F370-CC324
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2F11894.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate	0.935	0.695	25.7	84	0.00	6.85
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene	0.152	0.077	49.3	0#	0.00	7.16
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	115	0.00	7.84
97	S	4-bromofluorobenzene (s)	0.961	0.939	2.3	111	0.00	7.10
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute	0.404	0.197	51.2	53	0.00	7.38
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2F10014.D M2F324.M Fri Aug 23 06:55:07 2024

Initial Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-ICC290
Lab FileID: 2T10971.D

Response Factor Report GCMST

Method : C:\msdchem\1\methods\m2t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Aug 23 16:13:50 2024
Response via : Initial Calibration

Calibration Files
4 =2T10965.D 0.5 =2T10959.D 8 =2T10967.D 50 =2T10971.D
100 =2T10973.D 1 =2T10961.D 200 =2T10975.D 20 =2T10969.D
2 =2T10963.D 0.2 =2T10957.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.101		0.087	0.075	0.073	0.108	0.069	0.083	0.088		0.086	15.89
3) tertiary butyl alcohol	1.118	1.106	1.019	1.047	1.107	1.083	1.027	1.070	0.946		1.058	5.19
4) 1,4-dioxane	0.077		0.075	0.073	0.076	0.070	0.070	0.077	0.065		0.073	5.75
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.569	0.623	0.550	0.531	0.535	0.612	0.506	0.523	0.568		0.557	7.10
7) dichlorodifluoromethane	0.753	0.710	0.691	0.672	0.702	0.691	0.653	0.687	0.713	0.671	0.694	3.98
8) chloromethane	0.474	0.420	0.434	0.415	0.438	0.494	0.404	0.431	0.457		0.441	6.64
9) vinyl chloride	0.497	0.512	0.466	0.473	0.499	0.504	0.466	0.476	0.481	0.429	0.480	5.04
10) 1,3-butadiene	0.454	0.545	0.427	0.406	0.398	0.438	0.364	0.400	0.434	0.512	0.438	12.49
11) bromomethane	0.147	0.189	0.145	0.172	0.212	0.147	0.213	0.158	0.147		0.170	16.58
12) chloroethane	0.310	0.328	0.299	0.288	0.284	0.335	0.232	0.294	0.336		0.301	10.79
13) trichlorofluoromethane	0.713	0.709	0.689	0.666	0.679	0.699	0.606	0.673	0.700	0.672	0.681	4.54
14) ethyl ether	0.252	0.253	0.234	0.242	0.247	0.265	0.234	0.230	0.234		0.244	4.79
15) acrolein	0.072		0.061	0.060	0.064		0.061	0.057	0.058		0.062	7.94
16) freon 113	0.306	0.337	0.294	0.289	0.289	0.311	0.275	0.285	0.270		0.295	6.90
17) 1,1-dichloroethene	0.626	0.646	0.605	0.584	0.591	0.658	0.555	0.577	0.597	0.598	0.604	5.25
18) acetone	0.071	0.083	0.067	0.073	0.078	0.081	0.077	0.066	0.068		0.074	8.50
19) acetonitrile	0.090		0.081	0.075	0.076	0.092	0.071	0.074	0.089		0.081	9.93
20) iodomethane	0.218		0.255	0.365	0.384		0.351	0.316	0.171		0.294	27.57
----- Linear regression ----- Coefficient = 0.9972												
Response Ratio = -0.01030 + 0.36497 *A												
21) carbon disulfide	1.251	1.454	1.165	1.131	1.135	1.328	1.069	1.112	1.217		1.207	10.10

Initial Calibration Summary

Job Number: JD94531 **Sample:** V2T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10971.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

22)	methylene chloride											
	0.415	0.466	0.404	0.391	0.396	0.437	0.380	0.379	0.422		0.410	6.89
23)	methyl acetate											
	0.106		0.103	0.108	0.115	0.105	0.116	0.098	0.100		0.106	6.09
24)	methyl tert butyl ether											
	1.105	1.095	1.055	1.153	1.202	1.074	1.161	1.073	1.069	0.965	1.095	6.03
25)	trans-1,2-dichloroethene											
	0.400	0.419	0.387	0.391	0.405	0.403	0.392	0.375	0.384	0.315	0.387	7.31
26)	hexane											
	0.773	0.908	0.744	0.804	0.847	0.809	0.820	0.742	0.767		0.802	6.65
27)	di-isopropyl ether											
	1.065	1.148	1.016	1.137	1.203	1.081	1.166	1.028	1.028	1.071	1.094	5.94
28)	ethyl tert-butyl ether											
	1.103	1.048	1.053	1.230	1.297	1.019	1.258	1.093	0.985	0.961	1.105	10.65
29)	2-butanone											
	0.085	0.071	0.086	0.094	0.100	0.084	0.098	0.086	0.079		0.087	10.59
30)	1,1-dichloroethane											
	0.760	0.782	0.718	0.713	0.732	0.753	0.696	0.694	0.739	0.744	0.733	3.85
31)	chloroprene											
	0.603	0.578	0.561	0.626	0.656	0.564	0.634	0.566	0.554		0.594	6.29
32)	acrylonitrile											
	0.191	0.164	0.181	0.185	0.196	0.183	0.186	0.173	0.172		0.181	5.45
33)	vinyl acetate											
	0.079		0.070	0.083	0.088		0.076	0.067			0.077	10.37
34)	ethyl acetate											
	0.075		0.074	0.082	0.084		0.083	0.079	0.063		0.077	9.39
35)	2,2-dichloropropane											
	0.599	0.641	0.586	0.583	0.607	0.629	0.585	0.561	0.594		0.598	4.07
36)	cis-1,2-dichloroethene											
	0.421	0.434	0.410	0.416	0.433	0.414	0.416	0.390	0.404	0.308	0.405	8.98
37)	propionitrile											
	0.112	0.107	0.105	0.103	0.106	0.109	0.098	0.100	0.104		0.105	3.98
38)	methyl acrylate											
	0.085		0.077	0.093	0.100		0.098	0.080	0.077		0.087	11.29
39)	bromochloromethane											
	0.201	0.214	0.194	0.190	0.188	0.194	0.176	0.189	0.190		0.193	5.29
40)	tetrahydrofuran											
	0.081		0.080	0.093	0.099		0.097	0.080	0.080		0.087	9.96
41)	chloroform											
	0.212		0.192	0.184	0.182	0.262	0.169	0.184	0.230		0.202	15.24
42)	dibromofluoromethane (s)											
	0.589	0.606	0.571	0.568	0.551	0.603	0.561	0.562	0.611	0.607	0.583	3.88
43)	methacrylonitrile											
	0.218		0.220	0.235	0.245		0.235	0.218	0.192		0.223	7.62
44)	1,1,1-trichloroethane											
	0.706	0.756	0.684	0.682	0.702	0.686	0.670	0.660	0.651	0.593	0.679	6.18
45)	cyclohexane											
	0.502	0.452	0.501	0.561	0.611	0.482	0.591	0.524	0.459		0.520	10.85
46)	1,1-dichloropropene											
	0.542	0.517	0.527	0.551	0.575	0.486	0.555	0.522	0.471		0.527	6.31
47)	carbon tetrachloride											
	0.631	0.636	0.585	0.594	0.613	0.608	0.590	0.573	0.600		0.603	3.44
48)	isobutyl alcohol											
	0.033		0.029	0.032	0.035	0.034	0.034	0.030	0.031		0.032	6.88
49)	tert-amyl alcohol											
	0.046	0.046	0.046	0.044	0.046	0.043	0.042	0.041	0.041		0.044	4.78
50)	I 1,4-difluorobenzene	----------	ISTD	----------								
51)	1,2-dichloroethane-d4 (s)											
	0.376	0.381	0.371	0.362	0.351	0.385	0.354	0.366	0.395	0.386	0.373	3.87

Initial Calibration Summary

Job Number: JD94531 **Sample:** V2T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10971.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

52) iso-octane
0.530 0.508 0.523 0.567 0.629 0.493 0.604 0.535 0.469 0.540 9.56
53) benzene
0.839 0.846 0.841 0.847 0.879 0.829 0.828 0.815 0.775 0.684 0.818 6.61
54) tert-amyl methyl ether
0.548 0.626 0.548 0.594 0.643 0.572 0.624 0.546 0.534 0.582 7.08
55) heptane
0.090 0.094 0.103 0.114 0.075 0.109 0.098 0.080 0.095 14.15
56) isopropyl acetate
0.057 0.058 0.067 0.074 0.060 0.073 0.061 0.050 0.063 12.97
57) 1,2-dichloroethane
0.350 0.327 0.315 0.320 0.399 0.302 0.312 0.358 0.335 9.54
58) n-butyl alcohol
0.012 0.012 0.011 0.013 0.014 0.011 0.013 0.011 0.011 0.012 8.67
59) ethyl acrylate
0.313 0.322 0.360 0.394 0.297 0.379 0.326 0.283 0.334 11.80
60) trichloroethene
0.217 0.207 0.222 0.227 0.237 0.227 0.226 0.221 0.209 0.194 0.219 5.72
61) 2-nitropropane
0.321 0.341 0.317 0.323 0.352 0.318 0.330 0.300 0.301 0.323 5.31
62) 2-chloroethyl vinyl ether
0.082 0.087 0.107 0.111 0.055 0.101 0.097 0.066 0.088 22.46
----- Linear regression ----- Coefficient = 0.9976
Response Ratio = -0.00676 + 0.10503 *A

63) methyl methacrylate
0.065 0.068 0.080 0.087 0.062 0.085 0.069 0.066 0.073 13.59
64) 1,2-dichloropropane
0.212 0.243 0.209 0.210 0.222 0.202 0.209 0.202 0.200 0.218 0.213 6.01
65) methylcyclohexane
0.149 0.146 0.146 0.162 0.178 0.115 0.171 0.150 0.138 0.151 12.34
66) dibromomethane
0.152 0.173 0.144 0.141 0.147 0.150 0.139 0.139 0.139 0.147 7.43
67) bromodichloromethane
0.305 0.325 0.292 0.298 0.307 0.319 0.294 0.287 0.287 0.302 4.57
68) epichlorohydrin
0.039 0.034 0.037 0.038 0.039 0.039 0.036 0.037 0.036 0.037 4.40
69) cis-1,3-dichloropropene
0.308 0.286 0.314 0.346 0.364 0.319 0.347 0.317 0.284 0.288 0.317 8.76
70) 4-methyl-2-pentanone
0.107 0.095 0.116 0.128 0.139 0.098 0.128 0.118 0.093 0.113 14.34
71) 3-methyl-1-butanol
0.011 0.011 0.011 0.012 0.014 0.010 0.013 0.011 0.009 0.011 13.46

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.356 1.367 1.353 1.343 1.345 1.346 1.372 1.355 1.337 1.347 1.352 0.80
74) toluene
0.637 0.722 0.642 0.638 0.671 0.645 0.638 0.627 0.614 0.671 0.651 4.73
75) ethyl methacrylate
0.276 0.271 0.289 0.342 0.376 0.253 0.366 0.302 0.243 0.302 16.12
76) trans-1,3-dichloropropene
0.350 0.359 0.355 0.390 0.408 0.334 0.394 0.363 0.314 0.326 0.359 8.51
77) 1,1,2-trichloroethane
0.209 0.188 0.201 0.199 0.209 0.205 0.198 0.196 0.186 0.177 0.197 5.29
78) tetrachloroethene
0.285 0.290 0.273 0.272 0.277 0.284 0.265 0.269 0.268 0.270 0.275 3.01
79) 2-hexanone
0.133 0.125 0.147 0.167 0.178 0.117 0.165 0.156 0.115 0.145 16.05
80) 1,3-dichloropropane

Initial Calibration Summary

Job Number: JD94531 **Sample:** V2T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10971.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

	0.396	0.397	0.395	0.400	0.419	0.386	0.399	0.384	0.371	0.383	0.393	3.31
81)	butyl acetate											
	0.163		0.165	0.197	0.223	0.158	0.215	0.171	0.139		0.179	16.51
82)	dibromochloromethane											
	0.255	0.269	0.252	0.262	0.279	0.264	0.269	0.249	0.231	0.263	0.259	5.05
83)	1,2-dibromoethane											
	0.245	0.238	0.245	0.249	0.263	0.247	0.253	0.240	0.219	0.218	0.242	5.81
84)	n-butyl ether											
	0.800		0.851	1.015	1.076		0.992	0.910	0.684		0.904	15.10
85)	chlorobenzene											
	0.702	0.752	0.691	0.673	0.700	0.723	0.656	0.669	0.659	0.720	0.695	4.46
86)	1,1,1,2-tetrachloroethane											
	0.236	0.225	0.240	0.239	0.251	0.233	0.241	0.229	0.221	0.234	0.235	3.73
87)	ethylbenzene											
	1.202	1.166	1.181	1.191	1.229	1.159	1.134	1.166	1.121	1.069	1.162	3.89
88)	m,p-xylene											
	0.421	0.415	0.426	0.458	0.469	0.391	0.430	0.438	0.370	0.358	0.418	8.52
89)	o-xylene											
	0.374	0.360	0.371	0.425	0.451	0.346	0.423	0.387	0.327	0.319	0.378	11.51
90)	styrene											
	0.572		0.599	0.710	0.750	0.493	0.702	0.651	0.493		0.621	15.84
91)	bromoform											
	0.179	0.191	0.180	0.190	0.205	0.170	0.198	0.178	0.165	0.150	0.181	9.09
92)	butyl acrylate											
	0.395		0.414	0.520	0.565		0.535	0.460	0.339		0.461	17.97
93)	n-amyl acetate											
	0.156		0.163	0.203	0.220		0.208	0.180	0.139		0.181	16.62
94)	isopropylbenzene											
	0.876	0.777	0.934	1.020	1.059	0.801	0.974	0.960	0.768		0.908	11.84
95)	cis-1,4-dichloro-2-butene											
	0.096		0.097	0.118	0.137		0.141	0.099	0.088		0.111	19.11
96)	I 1,4-dichlorobenzene-d ----------ISTD----------											
97)	4-bromofluorobenzene (s)											
	1.049	1.029	1.062	1.070	1.091	1.030	1.127	1.061	1.029	1.039	1.059	2.98
98)	bromobenzene											
	0.563	0.591	0.549	0.559	0.593	0.590	0.579	0.544	0.540	0.546	0.565	3.73
99)	1,1,2,2-tetrachloroethane											
	0.765	0.788	0.736	0.736	0.793	0.741	0.748	0.716	0.718	0.630	0.737	6.22
100)	trans-1,4-dichloro-2-butene											
	0.201		0.204	0.226	0.247	0.191	0.260	0.194	0.180		0.213	13.42
101)	1,2,3-trichloropropane											
	0.274	0.213	0.262	0.262	0.277	0.265	0.266	0.257	0.245		0.258	7.49
102)	n-propylbenzene											
	2.615	2.624	2.671	2.757	2.921	2.489	2.701	2.697	2.369	2.272	2.612	7.27
103)	2-chlorotoluene											
	0.490	0.509	0.486	0.519	0.563	0.470	0.540	0.505	0.455	0.451	0.499	7.20
104)	4-chlorotoluene											
	1.676	1.540	1.720	1.790	1.908	1.593	1.788	1.743	1.461		1.691	8.24
105)	1,3,5-trimethylbenzene											
	1.637	1.590	1.766	1.949	2.071	1.545	1.943	1.856	1.473		1.759	11.87
106)	tert-butylbenzene											
	1.355	1.276	1.441	1.567	1.690	1.214	1.601	1.474	1.201	1.225	1.404	12.59
107)	1,2,4-trimethylbenzene											
	1.639	1.413	1.748	1.965	2.107	1.430	1.977	1.865	1.377		1.724	15.88
108)	sec-butylbenzene											
	2.024	1.726	2.097	2.261	2.421	1.700	2.251	2.199	1.680		2.040	13.55
109)	1,3-dichlorobenzene											
	1.048	1.045	1.066	1.067	1.125	0.998	1.061	1.062	0.966	1.023	1.046	4.12
110)	p-isopropyltoluene											

Initial Calibration Summary

Job Number: JD94531 **Sample:** V2T290-ICC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10971.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

```
       1.555 1.424 1.667 1.890 2.038 1.292 1.914 1.819 1.359        1.662   16.17
111)  1,4-dichlorobenzene
       1.135 1.225 1.106 1.075 1.138 1.143 1.064 1.080 1.057        1.114    4.80
112)  1,2-dichlorobenzene
       1.019 1.009 1.004 1.007 1.052 1.008 0.993 0.992 0.944 0.973  1.000    2.84
113)  1,2,3-trimethylbenzene
       1.918 1.860 1.927 2.019 2.129 1.788 1.997 1.961 1.731 1.976  1.931    5.99
114)  n-butylbenzene
       0.362 0.311 0.370 0.414 0.448 0.329 0.441 0.397 0.302        0.375   14.41
115)  1,2-dibromo-3-chloropropane
       0.203 0.218 0.203 0.211 0.234 0.208 0.233 0.206 0.194        0.212    6.44
116)  1,3,5-trichlorobenzene
       0.633 0.713 0.635 0.636 0.695 0.588 0.688 0.638 0.602 0.562  0.639    7.55
117)  1,2,4-trichlorobenzene
       0.519 0.664 0.531 0.568 0.638 0.486 0.627 0.542 0.470 0.513  0.556   11.99
118)  hexachlorobutadiene
       0.250 0.255 0.244 0.222 0.250 0.240 0.251 0.236 0.215        0.240    5.68
119)  naphthalene
       1.527 1.691 1.627 2.011 2.252 1.443 2.170 1.804 1.384        1.768   17.81
120)  1,2,3-trichlorobenzene
       0.509       0.519 0.561 0.612 0.484 0.606 0.540 0.447        0.535   10.71
121)  hexachloroethane
       0.308 0.278 0.310 0.331 0.370 0.267 0.363 0.311 0.277        0.313   11.68
122)  benzyl chloride
       0.227 0.202 0.225 0.260 0.297 0.221 0.290 0.234 0.189        0.238   15.59
123)  2-methylnaphthalene
       0.672       0.674 0.884 1.081       1.081 0.739              0.855   22.39
             ----- Linear regression -----  Coefficient =  0.9936
               Response Ratio = -0.02783 + 1.06849 *A


124) i   pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 143A
                                                                     0.000   -1.00
126)  Freon 114
                                                                     0.000   -1.00
127)  Freon 142B
       0.660       0.680 0.688 0.705 0.872 0.691 0.675 0.694        0.708    9.53
128)  Freon 141B
                                                                     0.000   -1.00
129)  vinyl bromide
       0.317       0.351 0.324 0.324 0.343 0.320 0.315 0.362        0.332    5.33

130) i   1,4-dichlorobenzene-d ---------------ISTD---------------------
131)  4-ethyltoluene
                                                                     0.000   -1.00
132)  1,4-diethylbenzene
                                                                     0.000   -1.00
133)  Indane
                                                                     0.000   -1.00
134)  1,2,4,5-tetramethylbenzene
                                                                     0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          m2t290.m          Wed Aug 28 12:28:38 2024
```

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-ICV290
Lab FileID: 2T10981.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VT290\2T10981.D Vial: 15
Acq On : 17 Aug 2024 02:30 am Operator: PrashanS
Sample : ICV290-50 Inst : GCMST
Misc : MS83304,V2T0290,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Aug 20 09:27:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	101	0.00	2.51
2		ethanol	0.086	0.068	20.9	93	0.00	1.86
3	M	tertiary butyl alcohol	1.058	1.025	3.1	99	0.00	2.58
4		1,4-dioxane	0.073	0.069	5.5	95	0.00	5.38
5	I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	4.47
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.694	0.552	20.5	83	0.00	1.10
8		chloromethane	0.441	0.419	5.0	101	0.00	1.22
9		vinyl chloride	0.480	0.464	3.3	99	0.00	1.25
10		1,3-butadiene	0.438	0.507	-15.8	125	0.00	1.26
11		bromomethane	0.170	0.183	-7.6	106	0.00	1.44
12		chloroethane	0.301	0.298	1.0	104	0.00	1.51
13		trichlorofluoromethane	0.681	0.639	6.2	97	0.00	1.59
14		ethyl ether	0.244	0.246	-0.8	102	0.00	1.77
15		acrolein	0.062	0.066	-6.5	110	0.00	2.12
16		freon 113	0.295	0.298	-1.0	104	0.00	1.93
17		1,1-dichloroethene	0.604	0.601	0.5	103	0.00	1.90
18		acetone	0.074	0.073	1.4	101	0.00	2.32
19		acetonitrile	0.081	0.074	8.6	99	0.00	2.69
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	46.390	7.2	90	0.00	2.00
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.207	1.112	7.9	99	0.00	1.93
22		methylene chloride	0.410	0.398	2.9	102	0.00	2.29
23		methyl acetate	0.106	0.110	-3.8	103	0.00	2.42
24		methyl tert butyl ether	1.095	1.213	-10.8	106	0.00	2.50
25		trans-1,2-dichloroethene	0.387	0.403	-4.1	103	0.00	2.42
26		hexane	0.802	0.835	-4.1	104	0.00	2.49
27		di-isopropyl ether	1.094	1.138	-4.0	101	0.00	2.83
28		ethyl tert-butyl ether	1.105	1.216	-10.0	99	0.00	3.18
29		2-butanone	0.087	0.095	-9.2	102	0.00	4.11
30	M	1,1-dichloroethane	0.733	0.736	-0.4	104	0.00	2.93
31		chloroprene	0.594	0.681	-14.6	109	0.00	2.92
32		acrylonitrile	0.181	0.198	-9.4	108	0.00	2.97
33		vinyl acetate	0.077	0.066	14.3	80	0.00	3.18
34		ethyl acetate	0.077	0.083	-7.8	102	0.00	3.92
35		2,2-dichloropropane	0.598	0.592	1.0	102	0.00	3.58
36		cis-1,2-dichloroethene	0.405	0.431	-6.4	104	0.00	3.46
37		propionitrile	0.105	0.104	1.0	101	0.00	4.38

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-ICV290
Lab FileID: 2T10981.D

38		methyl acrylate	0.087	0.094	-8.0	102	0.00	3.92
39		bromochloromethane	0.193	0.193	0.0	102	0.00	3.67
40		tetrahydrofuran	0.087	0.095	-9.2	104	0.00	3.93
41		chloroform	0.202	0.192	5.0	105	0.00	3.77
42	S	dibromofluoromethane (s)	0.583	0.553	5.1	98	0.00	3.97
43		methacrylonitrile	0.223	0.238	-6.7	102	0.00	4.41
44		1,1,1-trichloroethane	0.679	0.717	-5.6	106	0.00	3.99
45		cyclohexane	0.520	0.658	-26.5	118	0.00	3.69
46		1,1-dichloropropene	0.527	0.578	-9.7	106	0.00	4.13
47		carbon tetrachloride	0.603	0.616	-2.2	104	0.00	3.92
48		isobutyl alcohol	0.032	0.032	0.0	102	0.00	4.60
49		tert-amyl alcohol	0.044	0.043	2.3	98	0.00	4.68
50	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	4.88
51	S	1,2-dichloroethane-d4 (s)	0.373	0.358	4.0	98	0.00	4.49
52		iso-octane	0.540	0.616	-14.1	108	0.00	4.26
53	M	benzene	0.818	0.873	-6.7	103	0.00	4.37
54		tert-amyl methyl ether	0.582	0.594	-2.1	99	0.00	4.50
55		heptane	0.095	0.121	-27.4	116	0.00	4.38
56		isopropyl acetate	0.063	0.069	-9.5	102	0.00	4.78
57		1,2-dichloroethane	0.335	0.323	3.6	102	0.00	4.55
58		n-butyl alcohol	0.012	0.012	0.0	99	0.00	5.12
59		ethyl acrylate	0.334	0.382	-14.4	106	0.00	5.24
60		trichloroethene	0.219	0.240	-9.6	105	0.00	4.86
61		2-nitropropane	0.323	0.333	-3.1	103	0.00	5.92
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether	250.000	290.306	-16.1	112	0.00	5.61
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate	0.073	0.088	-20.5	110	0.00	5.37
64		1,2-dichloropropane	0.213	0.215	-0.9	102	0.00	5.21
65		methylcyclohexane	0.151	0.183	-21.2	113	0.00	4.85
66		dibromomethane	0.147	0.143	2.7	101	0.00	5.14
67		bromodichloromethane	0.302	0.313	-3.6	104	0.00	5.25
68		epichlorohydrin	0.037	0.038	-2.7	101	0.00	5.79
69		cis-1,3-dichloropropene	0.317	0.354	-11.7	102	0.00	5.64
70		4-methyl-2-pentanone	0.113	0.131	-15.9	102	0.00	6.04
71		3-methyl-1-butanol	0.011	0.013	-18.2	102	0.00	5.92
72	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	6.72
73	S	toluene-d8 (s)	1.352	1.353	-0.1	99	0.00	5.76
74		toluene	0.651	0.665	-2.2	103	0.00	5.79
75		ethyl methacrylate	0.302	0.334	-10.6	96	0.00	6.18
76		trans-1,3-dichloropropene	0.359	0.404	-12.5	102	0.00	6.06
77		1,1,2-trichloroethane	0.197	0.205	-4.1	102	0.00	6.17
78		tetrachloroethene		----------NA----------				
79		2-hexanone	0.145	0.173	-19.3	102	0.00	6.55
80		1,3-dichloropropane	0.393	0.418	-6.4	103	0.00	6.33
81		butyl acetate	0.179	0.221	-23.5	110	0.00	6.51
82		dibromochloromethane	0.259	0.273	-5.4	103	0.00	6.28
83		1,2-dibromoethane	0.242	0.262	-8.3	103	0.00	6.41
84		n-butyl ether	0.904	1.079	-19.4	105	0.00	6.69
85		chlorobenzene	0.695	0.696	-0.1	102	0.00	6.73
86		1,1,1,2-tetrachloroethane	0.235	0.249	-6.0	103	0.00	6.76
87		ethylbenzene	1.162	1.253	-7.8	104	0.00	6.74
88		m,p-xylene	0.418	0.478	-14.4	103	0.00	6.83
89		o-xylene	0.378	0.461	-22.0	107	0.00	7.06
90		styrene	0.621	0.696	-12.1	97	0.00	7.09
91		bromoform	0.181	0.200	-10.5	103	0.00	7.10

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-ICV290
Lab FileID: 2T10981.D

92		butyl acrylate	0.461	0.557	-20.8	106	0.00	7.15
93		n-amyl acetate	0.181	0.217	-19.9	105	0.00	7.29
94		isopropylbenzene	0.908	1.156	-27.3	112	0.00	7.23
95		cis-1,4-dichloro-2-butene	0.111	0.123	-10.8	103	0.00	7.40
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	7.92
97	S	4-bromofluorobenzene (s)	1.059	1.084	-2.4	100	0.00	7.37
98		bromobenzene	0.565	0.587	-3.9	103	0.00	7.43
99		1,1,2,2-tetrachloroethane	0.737	0.736	0.1	99	0.00	7.47
100		trans-1,4-dichloro-2-bute	0.213	0.247	-16.0	108	0.00	7.56
101		1,2,3-trichloropropane	0.258	0.274	-6.2	103	0.00	7.54
102		n-propylbenzene	2.612	2.913	-11.5	104	0.00	7.44
103		2-chlorotoluene	0.499	0.554	-11.0	105	0.00	7.52
104		4-chlorotoluene	1.691	1.882	-11.3	104	0.00	7.60
105		1,3,5-trimethylbenzene	1.759	2.077	-18.1	105	0.00	7.54
106		tert-butylbenzene	1.404	1.726	-22.9	109	0.00	7.70
107		1,2,4-trimethylbenzene	1.724	2.123	-23.1	106	0.00	7.73
108		sec-butylbenzene	2.040	2.441	-19.7	106	0.00	7.78
109		1,3-dichlorobenzene	1.046	1.109	-6.0	102	0.00	7.89
110		p-isopropyltoluene	1.662	2.061	-24.0	107	0.00	7.85
111		1,4-dichlorobenzene	1.114	1.105	0.8	101	0.00	7.93
112		1,2-dichlorobenzene	1.000	1.034	-3.4	101	0.00	8.13
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene	0.375	0.447	-19.2	106	0.00	8.05
115		1,2-dibromo-3-chloropropa	0.212	0.223	-5.2	104	0.00	8.51
116		1,3,5-trichlorobenzene	0.639	0.731	-14.4	113	0.00	8.52
117		1,2,4-trichlorobenzene	0.556	0.618	-11.2	107	0.00	8.81
118		hexachlorobutadiene	0.240	0.247	-2.9	110	0.00	8.80
119		naphthalene	1.768	2.143	-21.2	105	0.00	8.97
120		1,2,3-trichlorobenzene	0.535	0.590	-10.3	104	0.00	9.05
121		hexachloroethane	0.313	0.354	-13.1	105	0.00	8.12
122		benzyl chloride	0.238	0.267	-12.2	101	0.00	8.05
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene	25.000	24.579	1.7	111	0.00	9.45
		----------	AvgRF	CCRF	% Dev	----------		
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	101	0.00	4.47
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	99	0.00	7.92
131		4-ethyltoluene		----------NA----------				
132		1,4-diethylbenzene		----------NA----------				
133		Indane		----------NA----------				
134		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2T10971.D m2t290.m Tue Aug 20 09:37:49 2024

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-ICV290
Lab FileID: 2T10983.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VT290\2T10983.D Vial: 16
Acq On : 17 Aug 2024 02:58 am Operator: PrashanS
Sample : ICV290-50 Inst : GCMST
Misc : MS83304,V2T0290,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Aug 20 09:27:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	89	0.00	2.51
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	97	0.00	4.47
6		chlorodifluoromethane	0.557	0.600	-7.7	110	0.00	1.13
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.081	0.077	4.9	100	0.00	2.70
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.181	0.215	-18.8	113	0.00	2.97
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-ICV290
Lab FileID: 2T10983.D

38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.583	0.570	2.2	97	0.00	3.97
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	96	0.00	4.88
51	S	1,2-dichloroethane-d4 (s)	0.373	0.369	1.1	98	0.00	4.49
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00	6.72
73	S	toluene-d8 (s)	1.352	1.356	-0.3	95	0.00	5.76
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.275	0.275	0.0	95	0.00	6.05
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				

Initial Calibration Verification

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T290-ICV290
Lab FileID: 2T10983.D

92		butyl acrylate		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	94	0.00	7.92
97	S	4-bromofluorobenzene (s)	1.059	1.067	-0.8	93	0.00	7.37
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene	1.931	2.223	-15.1	103	0.00	7.94
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	97	0.00	4.47
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	94	0.00	7.92
131		4-ethyltoluene		----------NA----------				
132		1,4-diethylbenzene		----------NA----------				
133		Indane		----------NA----------				
134		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2T10971.D m2t290.m Tue Aug 20 09:41:17 2024

6.7.18

6

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T291-CC290
Lab FileID: 2T10989.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...4 NS\V2T291\2T10989.D Vial: 4
Acq On : 21 Aug 2024 09:00 am Operator: edwardd
Sample : cc290-20 Inst : GCMST
Misc : MS83304,V2T0291,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Aug 20 09:27:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	116	0.00	2.51
2		ethanol	0.086	0.079	8.1	110	0.00	1.86
3	M	tertiary butyl alcohol	1.058	0.990	6.4	107	0.00	2.58
4		1,4-dioxane	0.073	0.077	-5.5	116	0.00	5.38
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	4.47
6		chlorodifluoromethane	0.557	0.445	20.1#	87	0.00	1.13
7		dichlorodifluoromethane	0.694	0.638	8.1	95	0.00	1.10
8		chloromethane	0.441	0.387	12.2	92	0.00	1.22
9		vinyl chloride	0.480	0.426	11.2	91	0.00	1.26
10		1,3-butadiene	0.438	0.304	30.6#	78	0.00	1.26
11		bromomethane	0.170	0.130	23.5#	84	0.00	1.44
12		chloroethane	0.301	0.264	12.3	92	0.00	1.51
13		trichlorofluoromethane	0.681	0.616	9.5	93	0.00	1.59
14		ethyl ether	0.244	0.222	9.0	99	0.00	1.77
15		acrolein	0.062	0.088	-41.9#	158	0.00	2.12
16		freon 113	0.295	0.260	11.9	93	0.00	1.93
17		1,1-dichloroethene	0.604	0.512	15.2	91	0.00	1.90
18		acetone	0.074	0.067	9.5	105	0.00	2.32
19		acetonitrile	0.081	0.075	7.4	103	0.00	2.70
		----------	True	Calc.	% Drift	----------		
20		iodomethane	20.000	13.982	30.1#	74	0.00	2.00
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.207	1.002	17.0	92	0.00	1.93
22		methylene chloride	0.410	0.352	14.1	95	0.00	2.30
23		methyl acetate	0.106	0.101	4.7	105	0.00	2.42
24		methyl tert butyl ether	1.095	1.047	4.4	100	0.00	2.51
25		trans-1,2-dichloroethene	0.387	0.351	9.3	95	0.00	2.42
26		hexane	0.802	0.734	8.5	101	0.00	2.49
27		di-isopropyl ether	1.094	1.001	8.5	99	0.00	2.83
28		ethyl tert-butyl ether	1.105	1.088	1.5	102	0.00	3.18
29		2-butanone	0.087	0.086	1.1	102	0.00	4.11
30	M	1,1-dichloroethane	0.733	0.636	13.2	93	0.00	2.93
31		chloroprene	0.594	0.542	8.8	98	0.00	2.92
32		acrylonitrile	0.181	0.173	4.4	102	0.00	2.97
33		vinyl acetate	0.077	0.093	-20.8#	142	0.00	3.18
34		ethyl acetate	0.077	0.076	1.3	98	0.00	3.92
35		2,2-dichloropropane	0.598	0.553	7.5	101	0.00	3.58
36		cis-1,2-dichloroethene	0.405	0.379	6.4	99	0.00	3.47
37		propionitrile	0.105	0.100	4.8	102	0.00	4.38

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10989.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

38		methyl acrylate	0.087	0.083	4.6	107	0.00	3.92
39		bromochloromethane	0.193	0.177	8.3	95	0.00	3.68
40		tetrahydrofuran	0.087	0.084	3.4	107	0.00	3.94
41		chloroform	0.202	0.171	15.3	95	0.00	3.77
42	S	dibromofluoromethane (s)	0.583	0.570	2.2	103	0.00	3.98
43		methacrylonitrile	0.223	0.216	3.1	101	0.00	4.41
44		1,1,1-trichloroethane	0.679	0.617	9.1	95	0.00	3.99
45		cyclohexane	0.520	0.508	2.3	99	0.00	3.69
46		1,1-dichloropropene	0.527	0.485	8.0	95	0.00	4.13
47		carbon tetrachloride	0.603	0.531	11.9	94	0.00	3.92
48		isobutyl alcohol	0.032	0.030	6.3	102	0.00	4.60
49		tert-amyl alcohol	0.044	0.042	4.5	103	0.00	4.68
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	4.88
51	S	1,2-dichloroethane-d4 (s)	0.373	0.358	4.0	101	0.00	4.49
52		iso-octane	0.540	0.538	0.4	104	0.00	4.26
53	M	benzene	0.818	0.751	8.2	96	0.00	4.37
54		tert-amyl methyl ether	0.582	0.536	7.9	102	0.00	4.50
55		heptane	0.095	0.098	-3.2	104	0.00	4.38
56		isopropyl acetate	0.063	0.058	7.9	99	0.00	4.78
57		1,2-dichloroethane	0.335	0.290	13.4	96	0.00	4.55
58		n-butyl alcohol	0.012	0.012	0.0	110	0.00	5.12
59		ethyl acrylate	0.334	0.319	4.5	102	0.00	5.24
60		trichloroethene	0.219	0.194	11.4	91	0.00	4.86
61		2-nitropropane	0.323	0.308	4.6	106	0.00	5.92
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether	100.000	96.460	3.5	104	0.00	5.61
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate	0.073	0.068	6.8	101	0.00	5.37
64		1,2-dichloropropane	0.213	0.186	12.7	96	0.00	5.21
65		methylcyclohexane	0.151	0.147	2.6	102	0.00	4.85
66		dibromomethane	0.147	0.128	12.9	96	0.00	5.14
67		bromodichloromethane	0.302	0.265	12.3	96	0.00	5.25
68		epichlorohydrin	0.037	0.038	-2.7	107	0.00	5.79
69		cis-1,3-dichloropropene	0.317	0.304	4.1	100	0.00	5.64
70		4-methyl-2-pentanone	0.113	0.115	-1.8	101	0.00	6.04
71		3-methyl-1-butanol	0.011	0.011	0.0	108	0.00	5.92
72	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	6.72
73	S	toluene-d8 (s)	1.352	1.332	1.5	102	0.00	5.76
74		toluene	0.651	0.569	12.6	94	0.00	5.79
75		ethyl methacrylate	0.302	0.301	0.3	104	0.00	6.18
76		trans-1,3-dichloropropene	0.359	0.355	1.1	102	0.00	6.06
77		1,1,2-trichloroethane	0.197	0.179	9.1	95	0.00	6.16
78		tetrachloroethene	0.275	0.248	9.8	96	0.00	6.05
79		2-hexanone	0.145	0.160	-10.3	106	0.00	6.55
80		1,3-dichloropropane	0.393	0.362	7.9	98	0.00	6.33
81		butyl acetate	0.179	0.172	3.9	105	0.00	6.51
82		dibromochloromethane	0.259	0.240	7.3	100	0.00	6.28
83		1,2-dibromoethane	0.242	0.231	4.5	100	0.00	6.41
84		n-butyl ether	0.904	0.886	2.0	101	0.00	6.69
85		chlorobenzene	0.695	0.617	11.2	96	0.00	6.73
86		1,1,1,2-tetrachloroethane	0.235	0.219	6.8	99	0.00	6.76
87		ethylbenzene	1.162	1.084	6.7	97	0.00	6.74
88		m,p-xylene	0.418	0.417	0.2	99	0.00	6.83
89		o-xylene	0.378	0.372	1.6	100	0.00	7.06
90		styrene	0.621	0.619	0.3	99	0.00	7.09
91		bromoform	0.181	0.176	2.8	103	0.00	7.10

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10989.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate	0.461	0.446	3.3	101	0.00	7.15
93		n-amyl acetate	0.181	0.179	1.1	103	0.00	7.29
94		isopropylbenzene	0.908	0.917	-1.0	99	0.00	7.23
95		cis-1,4-dichloro-2-butene	0.111	0.130	-17.1	137	0.00	7.40
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	7.92
97	S	4-bromofluorobenzene (s)	1.059	1.061	-0.2	105	0.00	7.37
98		bromobenzene	0.565	0.511	9.6	99	0.00	7.43
99		1,1,2,2-tetrachloroethane	0.737	0.706	4.2	104	0.00	7.47
100		trans-1,4-dichloro-2-bute	0.213	0.235	-10.3	128	0.00	7.56
101		1,2,3-trichloropropane	0.258	0.242	6.2	99	0.00	7.54
102		n-propylbenzene	2.612	2.509	3.9	98	0.00	7.44
103		2-chlorotoluene	0.499	0.471	5.6	98	0.00	7.52
104		4-chlorotoluene	1.691	1.639	3.1	99	0.00	7.60
105		1,3,5-trimethylbenzene	1.759	1.731	1.6	98	0.00	7.54
106		tert-butylbenzene	1.404	1.421	-1.2	101	0.00	7.70
107		1,2,4-trimethylbenzene	1.724	1.754	-1.7	99	0.00	7.73
108		sec-butylbenzene	2.040	2.060	-1.0	99	0.00	7.78
109		1,3-dichlorobenzene	1.046	0.994	5.0	99	0.00	7.89
110		p-isopropyltoluene	1.662	1.715	-3.2	99	0.00	7.85
111		1,4-dichlorobenzene	1.114	1.014	9.0	99	0.00	7.93
112		1,2-dichlorobenzene	1.000	0.931	6.9	99	0.00	8.13
113		1,2,3-trimethylbenzene	1.931	1.832	5.1	98	0.00	7.94
114		n-butylbenzene	0.375	0.380	-1.3	101	0.00	8.05
115		1,2-dibromo-3-chloropropa	0.212	0.199	6.1	101	0.00	8.51
116		1,3,5-trichlorobenzene	0.639	0.608	4.9	100	0.00	8.52
117		1,2,4-trichlorobenzene	0.556	0.523	5.9	102	0.00	8.81
118		hexachlorobutadiene	0.240	0.222	7.5	99	0.00	8.80
119		naphthalene	1.768	1.765	0.2	103	0.00	8.97
120		1,2,3-trichlorobenzene	0.535	0.530	0.9	103	0.00	9.05
121		hexachloroethane	0.313	0.298	4.8	101	0.00	8.12
122		benzyl chloride	0.238	0.267	-12.2	120	0.00	8.05
		----------	True	Calc.	% Drift	----------		
123		2-methylnaphthalene	10.000	8.191	18.1	105	0.00	9.45
		----------	AvgRF	CCRF	% Dev	----------		
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	102	0.00	4.47
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	105	0.00	7.92
131		4-ethyltoluene		----------NA----------				
132		1,4-diethylbenzene		----------NA----------				
133		Indane		----------NA----------				
134		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2T10969.D m2t290.m Thu Aug 22 18:36:45 2024

Continuing Calibration Summary

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Sample: V2T291-CC290
Lab FileID: 2T10991.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...4 NS\V2T291\2T10991.D Vial: 6
Acq On : 21 Aug 2024 09:55 am Operator: edwardd
Sample : cc290-2 Inst : GCMST
Misc : MS83304,V2T0291,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m2t290.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Tue Aug 20 09:27:19 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	108	-0.01	2.51
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	4.47
6		chlorodifluoromethane	0.557	0.262	53.0	46#	0.00	1.12
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene	0.438	0.189	56.8	43#	0.00	1.26
11		bromomethane	0.170	0.096	43.5	65	0.00	1.43
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane	2.000	2.163	-8.1	80	0.00	1.99
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10991.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

38		methyl acrylate			----------NA----------				
39		bromochloromethane			----------NA----------				
40		tetrahydrofuran			----------NA----------				
41		chloroform			----------NA----------				
42	S	dibromofluoromethane (s)	0.583	0.605	-3.8	98	0.00	3.96	
43		methacrylonitrile			----------NA----------				
44		1,1,1-trichloroethane			----------NA----------				
45		cyclohexane			----------NA----------				
46		1,1-dichloropropene			----------NA----------				
47		carbon tetrachloride			----------NA----------				
48		isobutyl alcohol			----------NA----------				
49		tert-amyl alcohol			----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	4.88	
51	S	1,2-dichloroethane-d4 (s)	0.373	0.358	4.0	92	0.00	4.48	
52		iso-octane			----------NA----------				
53	M	benzene			----------NA----------				
54		tert-amyl methyl ether			----------NA----------				
55		heptane			----------NA----------				
56		isopropyl acetate			----------NA----------				
57		1,2-dichloroethane			----------NA----------				
58		n-butyl alcohol			----------NA----------				
59		ethyl acrylate			----------NA----------				
60		trichloroethene			----------NA----------				
61		2-nitropropane			----------NA----------				
		----------	True	Calc.	% Drift	----------			
62		2-chloroethyl vinyl ether			----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------			
63		methyl methacrylate			----------NA----------				
64		1,2-dichloropropane			----------NA----------				
65		methylcyclohexane			----------NA----------				
66		dibromomethane			----------NA----------				
67		bromodichloromethane			----------NA----------				
68		epichlorohydrin			----------NA----------				
69		cis-1,3-dichloropropene			----------NA----------				
70		4-methyl-2-pentanone			----------NA----------				
71		3-methyl-1-butanol			----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	6.72	
73	S	toluene-d8 (s)	1.352	1.354	-0.1	100	0.00	5.76	
74		toluene			----------NA----------				
75		ethyl methacrylate			----------NA----------				
76		trans-1,3-dichloropropene			----------NA----------				
77		1,1,2-trichloroethane			----------NA----------				
78		tetrachloroethene			----------NA----------				
79		2-hexanone			----------NA----------				
80		1,3-dichloropropane			----------NA----------				
81		butyl acetate			----------NA----------				
82		dibromochloromethane			----------NA----------				
83		1,2-dibromoethane			----------NA----------				
84		n-butyl ether			----------NA----------				
85		chlorobenzene			----------NA----------				
86		1,1,1,2-tetrachloroethane			----------NA----------				
87		ethylbenzene			----------NA----------				
88		m,p-xylene			----------NA----------				
89		o-xylene			----------NA----------				
90		styrene			----------NA----------				
91		bromoform			----------NA----------				

Continuing Calibration Summary

Job Number: JD94531 **Sample:** V2T291-CC290
Account: FLSNYNY Fleming-Lee Shue, Inc. **Lab FileID:** 2T10991.D
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

92		butyl acrylate		----------NA----------					
93		n-amyl acetate		----------NA----------					
94		isopropylbenzene		----------NA----------					
95		cis-1,4-dichloro-2-butene		----------NA----------					
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	7.92	
97	S	4-bromofluorobenzene (s)	1.059	1.048	1.0	100	0.00	7.37	
98		bromobenzene		----------NA----------					
99		1,1,2,2-tetrachloroethane		----------NA----------					
100		trans-1,4-dichloro-2-bute		----------NA----------					
101		1,2,3-trichloropropane		----------NA----------					
102		n-propylbenzene		----------NA----------					
103		2-chlorotoluene		----------NA----------					
104		4-chlorotoluene		----------NA----------					
105		1,3,5-trimethylbenzene		----------NA----------					
106		tert-butylbenzene		----------NA----------					
107		1,2,4-trimethylbenzene		----------NA----------					
108		sec-butylbenzene		----------NA----------					
109		1,3-dichlorobenzene		----------NA----------					
110		p-isopropyltoluene		----------NA----------					
111		1,4-dichlorobenzene		----------NA----------					
112		1,2-dichlorobenzene		----------NA----------					
113		1,2,3-trimethylbenzene		----------NA----------					
114		n-butylbenzene		----------NA----------					
115		1,2-dibromo-3-chloropropa		----------NA----------					
116		1,3,5-trichlorobenzene		----------NA----------					
117		1,2,4-trichlorobenzene		----------NA----------					
118		hexachlorobutadiene		----------NA----------					
119		naphthalene		----------NA----------					
120		1,2,3-trichlorobenzene		----------NA----------					
121		hexachloroethane		----------NA----------					
122		benzyl chloride		----------NA----------					
		----------	True	Calc.	% Drift	----------			
123		2-methylnaphthalene		----------NA----------					
		----------	AvgRF	CCRF	% Dev	----------			
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	100	0.00	4.47	
125		Freon 143A		----------NA----------					
126		Freon 114		----------NA----------					
127		Freon 142B		----------NA----------					
128		Freon 141B		----------NA----------					
129		vinyl bromide		----------NA----------					
130	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	99	0.00	7.92	
131		4-ethyltoluene		----------NA----------					
132		1,4-diethylbenzene		----------NA----------					
133		Indane		----------NA----------					
134		1,2,4,5-tetramethylbenzen		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2T10963.D m2t290.m Thu Aug 22 18:37:08 2024

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V1F324	**Method:** SW846 8260D	**Instrument ID:** GCMS1F

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1F324-BFB	1F10007.D	06/20/24 17:37	n/a	BFB Tune
V1F324-IC324	1F10009.D	06/20/24 18:44	n/a	Initial cal 0.2
V1F324-IC324	1F10011.D	06/20/24 19:17	n/a	Initial cal 0.5
V1F324-IC324	1F10013.D	06/20/24 19:50	n/a	Initial cal 1
V1F324-IC324	1F10015.D	06/20/24 20:24	n/a	Initial cal 2
V1F324-IC324	1F10017.D	06/20/24 20:57	n/a	Initial cal 4
V1F324-IC324	1F10019.D	06/20/24 21:31	n/a	Initial cal 8
V1F324-IC324	1F10021.D	06/20/24 22:04	n/a	Initial cal 20
V1F324-ICC324	1F10023.D	06/20/24 22:37	n/a	Initial cal 50
V1F324-IC324	1F10025.D	06/20/24 23:10	n/a	Initial cal 100
V1F324-IC324	1F10027.D	06/20/24 23:43	n/a	Initial cal 200
V1F324-ICV324	1F10033.D	06/21/24 01:23	n/a	Initial cal verification 50
V1F324-ICV324	1F10035.D	06/21/24 01:56	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V1F370	**Method:** SW846 8260D	**Instrument ID:** GCMS1F

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1F370-CC324	1F11891.D	08/22/24 08:51	n/a	Continuing cal 20
V1F370-CC324	1F11893.D	08/22/24 09:38	n/a	Continuing cal 1
V1F370-BS	1F11895.D	08/22/24 10:11	n/a	Blank Spike
V1F370-MB	1F11899.D	08/22/24 11:17	n/a	Method Blank
JD94531-3	1F11901.D	08/22/24 11:50	n/a	EW-0
JD94482-2	1F11905.D	08/22/24 12:57	n/a	(used for QC only; not part of job JD94531)
JD94482-2	1F11907.D	08/22/24 13:30	n/a	(used for QC only; not part of job JD94531)
ZZZZZZ	1F11909.D	08/22/24 14:04	n/a	(unrelated sample)
ZZZZZZ	1F11911.D	08/22/24 14:37	n/a	(unrelated sample)
ZZZZZZ	1F11913.D	08/22/24 15:10	n/a	(unrelated sample)
ZZZZZZ	1F11915.D	08/22/24 15:44	n/a	(unrelated sample)
JD94482-2MS	1F11917.D	08/22/24 16:17	n/a	Matrix Spike
JD94482-2MSD	1F11919.D	08/22/24 16:50	n/a	Matrix Spike Duplicate
ZZZZZZ	1F11923.D	08/22/24 17:57	n/a	(unrelated sample)
ZZZZZZ	1F11923.D	08/22/24 17:57	n/a	(unrelated sample)
ZZZZZZ	1F11925.D	08/22/24 18:30	n/a	(unrelated sample)
ZZZZZZ	1F11925.D	08/22/24 18:30	n/a	(unrelated sample)
ZZZZZZ	1F11927.D	08/22/24 19:03	n/a	(unrelated sample)
ZZZZZZ	1F11929.D	08/22/24 19:36	n/a	(unrelated sample)
ZZZZZZ	1F11931.D	08/22/24 20:10	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V1T290	**Method:** SW846 8260D	**Instrument ID:** GCMS1T

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1T290-BFB	1T10954.D	08/16/24 19:55	n/a	BFB Tune
V1T290-IC290	1T10956.D	08/16/24 20:47	n/a	Initial cal 0.2
V1T290-IC290	1T10958.D	08/16/24 21:15	n/a	Initial cal 0.5
V1T290-IC290	1T10960.D	08/16/24 21:42	n/a	Initial cal 1
V1T290-IC290	1T10962.D	08/16/24 22:09	n/a	Initial cal 2
V1T290-IC290	1T10964.D	08/16/24 22:37	n/a	Initial cal 4
V1T290-IC290	1T10966.D	08/16/24 23:04	n/a	Initial cal 8
V1T290-IC290	1T10968.D	08/16/24 23:32	n/a	Initial cal 20
V1T290-ICC290	1T10970.D	08/16/24 23:59	n/a	Initial cal 50
V1T290-IC290	1T10972.D	08/17/24 00:27	n/a	Initial cal 100
V1T290-IC290	1T10974.D	08/17/24 00:54	n/a	Initial cal 200
V1T290-ICV290	1T10980.D	08/17/24 02:16	n/a	Initial cal verification 50
V1T290-ICV290	1T10982.D	08/17/24 02:44	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V1T291 **Method:** SW846 8260D **Instrument ID:** GCMS1T

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1T291-CC290	1T10988.D	08/21/24 08:46	n/a	Continuing cal 20
V1T291-CC290	1T10990.D	08/21/24 09:42	n/a	Continuing cal 2
V1T291-BS	1T10992.D	08/21/24 10:09	n/a	Blank Spike
V1T291-MB	1T10996.D	08/21/24 11:04	n/a	Method Blank
ZZZZZZ	1T10998.D	08/21/24 11:31	n/a	(unrelated sample)
JD94272-2	1T11000.D	08/21/24 12:14	n/a	(used for QC only; not part of job JD94531)
ZZZZZZ	1T11002.D	08/21/24 12:41	n/a	(unrelated sample)
ZZZZZZ	1T11006.D	08/21/24 13:36	n/a	(unrelated sample)
ZZZZZZ	1T11008.D	08/21/24 14:04	n/a	(unrelated sample)
ZZZZZZ	1T11010.D	08/21/24 14:31	n/a	(unrelated sample)
JD94272-2MS	1T11012.D	08/21/24 14:59	n/a	Matrix Spike
JD94272-2MSD	1T11014.D	08/21/24 15:26	n/a	Matrix Spike Duplicate
ZZZZZZ	1T11018.D	08/21/24 16:21	n/a	(unrelated sample)
JD94531-5	1T11020.D	08/21/24 16:49	n/a	FIELD BLANK
ZZZZZZ	1T11022.D	08/21/24 17:16	n/a	(unrelated sample)
ZZZZZZ	1T11024.D	08/21/24 17:43	n/a	(unrelated sample)
ZZZZZZ	1T11026.D	08/21/24 18:11	n/a	(unrelated sample)
JD94531-2	1T11028.D	08/21/24 18:38	n/a	MW-1 DUP
ZZZZZZ	1T11030.D	08/21/24 19:06	n/a	(unrelated sample)
ZZZZZZ	1T11032.D	08/21/24 19:33	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V2F324	**Method:** SW846 8260D	**Instrument ID:** GCMS2F

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2F324-BFB	2F10008.D	06/20/24 17:54	n/a	BFB Tune
V2F324-IC324	2F10010.D	06/20/24 19:00	n/a	Initial cal 0.2
V2F324-IC324	2F10012.D	06/20/24 19:34	n/a	Initial cal 0.5
V2F324-IC324	2F10014.D	06/20/24 20:07	n/a	Initial cal 1
V2F324-IC324	2F10016.D	06/20/24 20:41	n/a	Initial cal 2
V2F324-IC324	2F10018.D	06/20/24 21:14	n/a	Initial cal 4
V2F324-IC324	2F10020.D	06/20/24 21:47	n/a	Initial cal 8
V2F324-IC324	2F10022.D	06/20/24 22:20	n/a	Initial cal 20
V2F324-ICC324	2F10024.D	06/20/24 22:53	n/a	Initial cal 50
V2F324-IC324	2F10026.D	06/20/24 23:26	n/a	Initial cal 100
V2F324-IC324	2F10028.D	06/21/24 00:00	n/a	Initial cal 200
V2F324-ICV324	2F10034.D	06/21/24 01:40	n/a	Initial cal verification 50
V2F324-ICV324	2F10036.D	06/21/24 02:13	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V2F370	**Method:** SW846 8260D	**Instrument ID:** GCMS2F

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2F370-CC324	2F11892.D	08/22/24 09:08	n/a	Continuing cal 20
V2F370-CC324	2F11894.D	08/22/24 09:54	n/a	Continuing cal 1
V2F370-BS	2F11896.D	08/22/24 10:27	n/a	Blank Spike
V2F370-MB	2F11898.D	08/22/24 11:00	n/a	Method Blank
ZZZZZZ	2F11900.D	08/22/24 11:34	n/a	(unrelated sample)
JD94531-4	2F11902.D	08/22/24 12:07	n/a	EW-1X
ZZZZZZ	2F11904.D	08/22/24 12:40	n/a	(unrelated sample)
ZZZZZZ	2F11906.D	08/22/24 13:13	n/a	(unrelated sample)
ZZZZZZ	2F11908.D	08/22/24 13:47	n/a	(unrelated sample)
JD94579-1	2F11916.D	08/22/24 16:00	n/a	(used for QC only; not part of job JD94531)
JD94579-1MS	2F11918.D	08/22/24 16:34	n/a	Matrix Spike
JD94579-1MSD	2F11920.D	08/22/24 17:07	n/a	Matrix Spike Duplicate
ZZZZZZ	2F11922.D	08/22/24 17:40	n/a	(unrelated sample)
ZZZZZZ	2F11924.D	08/22/24 18:13	n/a	(unrelated sample)
ZZZZZZ	2F11924.D	08/22/24 18:13	n/a	(unrelated sample)
ZZZZZZ	2F11926.D	08/22/24 18:47	n/a	(unrelated sample)
ZZZZZZ	2F11926.D	08/22/24 18:47	n/a	(unrelated sample)
ZZZZZZ	2F11928.D	08/22/24 19:20	n/a	(unrelated sample)
ZZZZZZ	2F11930.D	08/22/24 19:53	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V2T290	**Method:** SW846 8260D	**Instrument ID:** GCMS2T

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2T290-BFB	2T10953.D	08/16/24 19:41	n/a	BFB Tune
V2T290-IC290	2T10957.D	08/16/24 21:01	n/a	Initial cal 0.2
V2T290-IC290	2T10959.D	08/16/24 21:28	n/a	Initial cal 0.5
V2T290-IC290	2T10961.D	08/16/24 21:56	n/a	Initial cal 1
V2T290-IC290	2T10963.D	08/16/24 22:23	n/a	Initial cal 2
V2T290-IC290	2T10965.D	08/16/24 22:51	n/a	Initial cal 4
V2T290-IC290	2T10967.D	08/16/24 23:18	n/a	Initial cal 8
V2T290-IC290	2T10969.D	08/16/24 23:45	n/a	Initial cal 20
V2T290-ICC290	2T10971.D	08/17/24 00:13	n/a	Initial cal 50
V2T290-IC290	2T10973.D	08/17/24 00:40	n/a	Initial cal 100
V2T290-IC290	2T10975.D	08/17/24 01:08	n/a	Initial cal 200
V2T290-ICV290	2T10981.D	08/17/24 02:30	n/a	Initial cal verification 50
V2T290-ICV290	2T10983.D	08/17/24 02:58	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY

Run ID: V2T291	**Method:** SW846 8260D	**Instrument ID:** GCMS2T

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2T291-CC290	2T10989.D	08/21/24 09:00	n/a	Continuing cal 20
V2T291-CC290	2T10991.D	08/21/24 09:55	n/a	Continuing cal 2
V2T291-BS	2T10993.D	08/21/24 10:23	n/a	Blank Spike
V2T291-MB	2T10995.D	08/21/24 10:50	n/a	Method Blank
ZZZZZZ	2T10997.D	08/21/24 11:18	n/a	(unrelated sample)
ZZZZZZ	2T10999.D	08/21/24 12:00	n/a	(unrelated sample)
JD94272-7	2T11001.D	08/21/24 12:28	n/a	(used for QC only; not part of job JD94531)
ZZZZZZ	2T11003.D	08/21/24 12:55	n/a	(unrelated sample)
ZZZZZZ	2T11005.D	08/21/24 13:23	n/a	(unrelated sample)
ZZZZZZ	2T11007.D	08/21/24 13:50	n/a	(unrelated sample)
ZZZZZZ	2T11009.D	08/21/24 14:17	n/a	(unrelated sample)
JD94272-7MS	2T11011.D	08/21/24 14:45	n/a	Matrix Spike
JD94272-7MSD	2T11013.D	08/21/24 15:12	n/a	Matrix Spike Duplicate
ZZZZZZ	2T11017.D	08/21/24 16:07	n/a	(unrelated sample)
ZZZZZZ	2T11019.D	08/21/24 16:35	n/a	(unrelated sample)
JD94531-6	2T11021.D	08/21/24 17:02	n/a	TRIP BLANK
ZZZZZZ	2T11023.D	08/21/24 17:30	n/a	(unrelated sample)
ZZZZZZ	2T11025.D	08/21/24 17:57	n/a	(unrelated sample)
JD94531-1	2T11027.D	08/21/24 18:25	n/a	MW-1
ZZZZZZ	2T11029.D	08/21/24 18:52	n/a	(unrelated sample)
ZZZZZZ	2T11031.D	08/21/24 19:20	n/a	(unrelated sample)
ZZZZZZ	2T11033.D	08/21/24 19:47	n/a	(unrelated sample)
ZZZZZZ	2T11035.D	08/21/24 20:15	n/a	(unrelated sample)

Appendix B

Well Development Logs

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: AFFCO
Project Location: 361 Walsh Ave., New Windsor, NY

Monitoring Well: EW-1X | Well Volume : _____ gal | Initial Depth to Water: 10.11 ft-btc

Date: 8/20/2024 | Total Gallons Purged: 0.59 gal | Depth to Product: _____ ft-btc

Time Pump On: 9:55 / 11:35 | Average Purge Rate: 147.63 mL/min | Total Depth: - ft-btc

Time of Sample Collection: 11:35 | Purge Method: peripump | Water Column: _____ ft

Time Pump Off: 10:12 / 11:38 | PID Reading: 59.9 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
9:55	0	10.11			20.53	6.69	132	1.050	486	0.43	0.672	0.51	black tint / none
10:00	5	11.45			19.75	7.26	93.00	1.01	427	0.05	0.043	0.50	black tint / none
10:05	10	12.33			19.46	7.53	86	0.938	72.8	0.00	0.599	0.5	black tint / none
10:10	15	12.50			19.33	7.62	81	0.957	24.1	0.00	0.602	0.5	black tint / none
					Well ran dry. Samples collected after partial recharge at 11:35								
Allowable Fluctuations:					3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Notes:

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: AFFCO
Project Location: 361 Walsh Ave., New Windsor, NY

Monitoring Well: MW-1 | Well Volume : 0.80 gal | Initial Depth to Water: 7.19 ft-btc

Date: 8/20/2024 | Total Gallons Purged: 3.97 gal | Depth to Product: ft-btc

Time Pump On: 10:15 | Average Purge Rate: 250.47 mL/min | Total Depth: 12.08 ft-btc

Time of Sample Collection: 10:55 | Purge Method: peripump | Water Column: 4.89 ft

Time Pump Off: 11:15 | PID Reading: 0.0 ppm | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
10:15	0	7.19	0.000	0.000	29.24	4.77	300	0.003	242.0	6.74	0.002	0.000	-
10:20	5	7.38	0.331	0.331	23.52	7.43	-28	0.742	72.6	0.00	0.474	0.036	no color / no odor
10:25	10	7.38	0.331	0.662	23.65	7.13	10	0.596	5.9	0.00	0.379	0.029	no color / no odor
10:30	15	7.37	0.331	0.993	23.67	7.01	40	0.537	1.8	0.00	0.343	0.260	no color / no odor
10:35	20	7.34	0.331	1.324	23.80	6.99	50	0.521	0.0	0.00	0.333	0.025	no color / no odor
10:40	25	7.34	0.331	1.655	24.08	7.00	54	0.515	0.0	0.00	0.330	0.025	no color / no odor
10:45	30	7.34	0.331	1.986	23.88	7.02	67	0.512	0.0	0.00	0.328	0.025	no color / no odor
10:50	35	7.35	0.331	2.317	23.94	7.03	59	0.508	0.0	0.00	0.325	0.024	no color / no odor
10:55	40		0.331	2.648									
11:00	45		0.331	2.979									
11:05	50		0.331	3.310									
11:10	55		0.331	3.641									
11:15	60		0.331	3.972									
Allowable Fluctuations:					3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Notes:

Well Volume (gal) = 5.8752 * D^{2*} WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Fleming Lee Shue

Environmental Management & Consulting

158 West 29th Street, 9Fl. , New York, New York 10001

Well Purge Log
Project: AFFCO
Project Location: 361 Walsh Ave., New Windsor, NY

Monitoring Well: EW-0 | Well Volume : 1.86 | Initial Depth to Water: 8.21 ft-btc

Date: 8/20/2024 | Total Gallons Purged: 3.11 | Depth to Product: - ft-btc

Time Pump On: 10:25 | Average Purge Rate: 235.45 | Total Depth: 19.61 ft-btc

Time of Sample Collection: 11:00 | Purge Method: peripump | Water Column: 11.40 ft

Time Pump Off: 11:15 | PID Reading: 0.0 | Well Diameter 2 in

Time	Elapsed Time (min.)	DTW (ft-btc)	Well Volume Purged (gal)	Total Volume Purged (gal)	Temp (˚C)	pH (s.u.)	ORP (mV)	Cond (mS/cm)	Turbidity (NTUs)	D.O. (mg/L)	TDS (g/L)	Sal (ppt)	Color / Odor
10:25	0	8.21	0.000	0.000	22.19	8.19	152	0.463	30.4	3.76	0.303	0.22	no color / no odor
10:30	5	8.29	0.311	0.311	22.06	8.05	201	0.486	4.8	2.99	0.316	0.23	no color / no odor
10:35	10	8.30	0.311	0.622	22.09	8.05	210	0.488	2.6	2.86	0.318	0.23	no color / no odor
10:40	15	8.31	0.311	0.933	22.19	8.07	228	0.490	1.8	2.70	0.319	0.24	no color / no odor
10:45	20	8.31	0.311	1.244	22.24	8.07	235	0.491	0.8	2.66	0.319	0.24	no color / no odor
10:50	25	8.31	0.311	1.555	22.25	8.07	244	0.491	1.1	2.64	0.319	0.24	no color / no odor
10:55	30	8.31	0.311	1.866	22.20	8.08	245	0.492	1.1	2.60	0.320	0.24	no color / no odor
11:00	35		0.311	2.177									
11:05	40		0.311	2.488									
11:10	45		0.311	2.799									
11:15	50		0.311	3.110									
		Allowable Fluctuations:			3%	± 0.1	± 10 mV	3%	10% if > 5 NTU 3 rounds if < 5 NTU	10% if >0.5 mg/L 3 rounds if < 0.5mg/L			

Notes:

ppm = parts per million
min = minutes
DTW = depth to water
ft-btc = feet below top of casing
gal = gallons
T = temperature
˚C= degrees celsius

s.u.=standard units
ORP=oxidation reduction potential
mV=millivolts
Cond=conductivity
mS/cm= milliSiemens per centimeter
NTUs=Nephelemetric Turbidity Units
mg/L = milligrams per liter

mL/min = milliliters per minute
TDS = Total Dissolved Solids
g/L = grams per liter
Sal= Salinity
wc = water column

Notes:

Well Volume (gal) = 5.8752 * D^2* WC, where D = well diameter (feet)

Well diameter	1"	2"	4"
Multiply wc by	0.041	0.163	0.653

Appendix C

Laboratory Report

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Fleming-Lee Shue, Inc.

AFFCO, 361 Walsh Avenue, New Windsor, NY

10000

SGS Job Number: JD94531

Sampling Date: 08/20/24

Report to:

Fleming-Lee Shue, Inc.
158 West 29th Street 9th Floor
New York, NY 10001
steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **4343**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

Sections: 1 2 3 4 5 6 7 8 9 10 11 12 13

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SGS North America Inc.

Sample Summary

Fleming-Lee Shue, Inc.

Job No: JD94531

AFFCO, 361 Walsh Avenue, New Windsor, NY
Project No: 10000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD94531-1	08/20/24	10:15	JA	08/20/24	AQ	Ground Water	MW-1
JD94531-1R	08/20/24	10:15	JA	08/20/24	AQ	Ground Water	MW-1
JD94531-2	08/20/24	10:15	JA	08/20/24	AQ	Ground Water	MW-1 DUP
JD94531-3	08/20/24	11:00	JA	08/20/24	AQ	Ground Water	EW-0
JD94531-3R	08/20/24	11:00	JA	08/20/24	AQ	Ground Water	EW-0
JD94531-4	08/20/24	11:35	JA	08/20/24	AQ	Ground Water	EW-1X
JD94531-4R	08/20/24	11:35	JA	08/20/24	AQ	Ground Water	EW-1X
JD94531-5	08/20/24	11:45	JA	08/20/24	AQ	Field Blank Water	FIELD BLANK
JD94531-6	08/20/24	11:45	JA	08/20/24	AQ	Trip Blank Water	TRIP BLANK

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc. **Job No:** JD94531

Site: AFFCO, 361 Walsh Avenue, New Windsor, NY **Report Date** 8/28/2024 5:24:06 AM

On 08/20/2024, 4 sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.5 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD94531 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1F370

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD94482-2MS, JD94482-2MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD94531-3 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V1T291

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD94272-2MS, JD94272-2MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 1,3-Dichlorobenzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike (MS) recovery(s) of 1,4-Dichlorobenzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD94531-5 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD94531-2 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD94531-5 for Acetone: Associated CCV outside of control limits high, sample was ND.
- JD94531-2 for Acetone: Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** V2F370

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD94579-1MS, JD94579-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD94531-4 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
- JD94531-4 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: AQ **Batch ID:** V2T291

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2T291

- Sample(s) JD94272-7MS, JD94272-7MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 1,4-Dichlorobenzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD94531-1 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD94531-6 for Bromomethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

GC Volatiles By Method RSK-175

Matrix: AQ **Batch ID:** GAA3113

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD93989-4DUP were used as the QC samples indicated.

Matrix: AQ **Batch ID:** GWW5797

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD94531-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD94531-3: (pH=6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD94531-4: (pH=6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JD94531-1: (pH=6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP48690

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD94501-7MSD, JD94501-7SDL, JD94501-7MS were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP56181

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD94507-9MS, JD94507-9MSD were used as the QC samples for the Chloride, Sulfate, Chloride analysis.

General Chemistry By Method SM2320 B-11

Matrix: AQ **Batch ID:** GN58844

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD94528-1DUP were used as the QC samples for the Alkalinity, Total as CaCO3 analysis.
- JD94531-1 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.
- JD94531-3 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.Sample received with head space.

General Chemistry By Method SM3500FE B-11

Matrix: AQ **Batch ID:** GN58951

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD94531-1MS, JD94531-1MSD were used as the QC samples for the Iron, Ferrous analysis.
- JD94531-1 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.
- JD94531-3 for Iron, Ferrous: Field analysis required. Received out of hold time and analyzed by request.

General Chemistry By Method SM4500S2- F-11

Matrix: AQ **Batch ID:** GN58843

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- GN58843-B1 for Sulfide: Insufficient sample available for matrix spike and duplicate. Extra blank spike analyzed for additional QC information.
- GN58843-B2 for Sulfide: Insufficient sample available for matrix spike and duplicate. Extra blank spike analyzed for additional QC information.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD94531
Account: Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Collected: 08/20/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD94531-1	**MW-1**					
Bromodichloromethane		2.6	1.0	0.45	ug/l	SW846 8260D
Chloroethane		165	1.0	0.73	ug/l	SW846 8260D
Chloroform		8.8	1.0	0.50	ug/l	SW846 8260D
Dibromochloromethane		1.2	1.0	0.56	ug/l	SW846 8260D
1,1-Dichloroethane		31.5	1.0	0.57	ug/l	SW846 8260D
1,1-Dichloroethene		1.7	1.0	0.59	ug/l	SW846 8260D
1,1,1-Trichloroethane		57.0	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		1.1	1.0	0.53	ug/l	SW846 8260D
Methane		470	1.1	0.80	ug/l	RSK-175
Carbon Dioxide [a]		5070	50	25	ug/l	RSK-175
Iron		746	100		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [b]		141	5.0		mg/l	SM2320 B-11
Chloride		71.5	2.0		mg/l	EPA 300/SW846 9056A
Sulfate		15.1	2.0		mg/l	EPA 300/SW846 9056A
JD94531-1R	**MW-1**					
Ethane		9.14	0.23	0.14	ug/l	RSK-175
JD94531-2	**MW-1 DUP**					
Bromodichloromethane		2.6	1.0	0.45	ug/l	SW846 8260D
Chloroethane		168	1.0	0.73	ug/l	SW846 8260D
Chloroform		9.6	1.0	0.50	ug/l	SW846 8260D
Dibromochloromethane		1.2	1.0	0.56	ug/l	SW846 8260D
1,1-Dichloroethane		33.7	1.0	0.57	ug/l	SW846 8260D
1,1-Dichloroethene		2.1	1.0	0.59	ug/l	SW846 8260D
1,4-Dioxane		70.9 J	130	39	ug/l	SW846 8260D
1,1,1-Trichloroethane		62.5	1.0	0.54	ug/l	SW846 8260D
Trichloroethene		1.2	1.0	0.53	ug/l	SW846 8260D
JD94531-3	**EW-0**					
Bromodichloromethane		6.2	1.0	0.45	ug/l	SW846 8260D
Chloroform		12.9	1.0	0.50	ug/l	SW846 8260D
Dibromochloromethane		3.2	1.0	0.56	ug/l	SW846 8260D
1,1-Dichloroethane		2.9	1.0	0.57	ug/l	SW846 8260D
1,1,1-Trichloroethane		21.9	1.0	0.54	ug/l	SW846 8260D
Methane		0.38	0.11	0.080	ug/l	RSK-175
Carbon Dioxide [a]		1170	50	25	ug/l	RSK-175
Alkalinity, Total as CaCO3 [b]		141	5.0		mg/l	SM2320 B-11
Chloride		69.8	2.0		mg/l	EPA 300/SW846 9056A
Sulfate		15.5	2.0		mg/l	EPA 300/SW846 9056A

Summary of Hits

Job Number: JD94531
Account: Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Collected: 08/20/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD94531-3R	**EW-0**					
No hits reported in this sample.						
JD94531-4	**EW-1X**					
Acetone [c]		4.9 J	10	3.1	ug/l	SW846 8260D
Chloroethane		14.9	1.0	0.73	ug/l	SW846 8260D
1,1-Dichloroethane		15.3	1.0	0.57	ug/l	SW846 8260D
1,1-Dichloroethene		1.2	1.0	0.59	ug/l	SW846 8260D
1,1,1-Trichloroethane		25.8	1.0	0.54	ug/l	SW846 8260D
Vinyl chloride		0.98 J	1.0	0.52	ug/l	SW846 8260D
Methane		3470	11	8.0	ug/l	RSK-175
Carbon Dioxide [a]		7410	50	25	ug/l	RSK-175
JD94531-4R	**EW-1X**					
Ethane		2.66	0.23	0.14	ug/l	RSK-175
Ethene		0.23 J	0.31	0.16	ug/l	RSK-175
JD94531-5	**FIELD BLANK**					
No hits reported in this sample.						
JD94531-6	**TRIP BLANK**					
No hits reported in this sample.						

(a) (pH = 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Sample was titrated to a final pH of 4.5.Sample received with head space.
(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD94531-1	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2T11027.D	1	08/21/24 18:25	ED	n/a	n/a	V2T291
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	2.6	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	165	1.0	0.73	ug/l	
67-66-3	Chloroform	8.8	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	1.2	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	31.5	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	1.7	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD94531-1	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	57.0	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.1	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD94531-1	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	RSK-175	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	WW145526.D	1	08/23/24 09:33	WC	n/a	n/a	GWW5797
Run #2	AA110436.D	10	08/22/24 13:27	WC	n/a	n/a	GAA3113

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	470 [b]	1.1	0.80	ug/l	
124-38-9	Carbon Dioxide	5070	50	25	ug/l	

(a) (pH = 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD94531-1	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
		Percent Solids:	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	746	100	ug/l	1	08/22/24	08/23/24	KP	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA56738
(2) Prep QC Batch: MP48690

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD94531-1	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
		Percent Solids:	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	141	5.0	mg/l	1	08/24/24 14:10	JOO	SM2320 B-11
Chloride	71.5	2.0	mg/l	1	08/22/24 13:50	SS	EPA 300/SW846 9056A
Iron, Ferrous [b]	< 0.20	0.20	mg/l	1	08/27/24 17:00	MP	SM3500FE B-11
Sulfate	15.1	2.0	mg/l	1	08/22/24 13:50	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	08/24/24 09:43	MP	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JD94531-1R	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	RSK-175	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA110435R.D	1	08/22/24 13:11	WC	n/a	n/a	GAA3113
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-84-0	Ethane	9.14	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	

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

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-1 DUP		
Lab Sample ID:	JD94531-2	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T11028.D	1	08/21/24 18:38	ED	n/a	n/a	V1T291
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	2.6	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	168	1.0	0.73	ug/l	
67-66-3	Chloroform	9.6	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	1.2	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	33.7	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	2.1	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	70.9	130	39	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

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

Report of Analysis

Client Sample ID:	MW-1 DUP		
Lab Sample ID:	JD94531-2	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	62.5	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	1.2	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	EW-0		
Lab Sample ID:	JD94531-3	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1F11901.D	1	08/22/24 11:50	NW	n/a	n/a	V1F370
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	6.2	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	12.9	1.0	0.50	ug/l	
74-87-3	Chloromethane [a]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	3.2	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	2.9	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

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

Report of Analysis

Client Sample ID:	EW-0		
Lab Sample ID:	JD94531-3	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	21.9	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	EW-0		
Lab Sample ID:	JD94531-3	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	RSK-175	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA110438.D	1	08/22/24 13:53	WC	n/a	n/a	GAA3113
Run #2 [a]	WW145529.D	1	08/23/24 10:28	WC	n/a	n/a	GWW5797

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.38	0.11	0.080	ug/l	
124-38-9	Carbon Dioxide	1170 [b]	50	25	ug/l	

(a) (pH = 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-0		
Lab Sample ID:	JD94531-3	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
		Percent Solids:	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	< 100	100	ug/l	1	08/22/24	08/23/24	KP	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA56738
(2) Prep QC Batch: MP48690

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EW-0		
Lab Sample ID:	JD94531-3	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
		Percent Solids:	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	141	5.0	mg/l	1	08/24/24 14:10	JOO	SM2320 B-11
Chloride	69.8	2.0	mg/l	1	08/22/24 14:03	SS	EPA 300/SW846 9056A
Iron, Ferrous [b]	< 0.20	0.20	mg/l	1	08/27/24 17:00	MP	SM3500FE B-11
Sulfate	15.5	2.0	mg/l	1	08/22/24 14:03	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	08/24/24 09:43	MP	SM4500S2- F-11

(a) Sample was titrated to a final pH of 4.5.Sample received with head space.
(b) Field analysis required. Received out of hold time and analyzed by request.

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	EW-0		
Lab Sample ID:	JD94531-3R	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	RSK-175	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA110438R.D	1	08/22/24 13:53	WC	n/a	n/a	GAA3113
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-84-0	Ethane	ND	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	

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

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	EW-1X		
Lab Sample ID:	JD94531-4	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2F11902.D	1	08/22/24 12:07	NW	n/a	n/a	V2F370
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	4.9	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	14.9	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [b]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	15.3	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	1.2	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EW-1X		
Lab Sample ID:	JD94531-4	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	25.8	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	0.98	1.0	0.52	ug/l	J
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	EW-1X		
Lab Sample ID:	JD94531-4	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	RSK-175	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	WW145530.D	1	08/23/24 10:44	WC	n/a	n/a	GWW5797
Run #2	AA110440.D	100	08/22/24 14:27	WC	n/a	n/a	GAA3113

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3470 [b]	11	8.0	ug/l	
124-38-9	Carbon Dioxide	7410	50	25	ug/l	

(a) (pH = 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	EW-1X		
Lab Sample ID:	JD94531-4R	**Date Sampled:**	08/20/24
Matrix:	AQ - Ground Water	**Date Received:**	08/20/24
Method:	RSK-175	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA110439R.D	1	08/22/24 14:06	WC	n/a	n/a	GAA3113
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-84-0	Ethane	2.66	0.23	0.14	ug/l	
74-85-1	Ethene	0.23	0.31	0.16	ug/l	J

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

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JD94531-5	**Date Sampled:**	08/20/24
Matrix:	AQ - Field Blank Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T11020.D	1	08/21/24 16:49	ED	n/a	n/a	V1T291
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

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

Report of Analysis

Client Sample ID:	FIELD BLANK		
Lab Sample ID:	JD94531-5	**Date Sampled:**	08/20/24
Matrix:	AQ - Field Blank Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JD94531-6	**Date Sampled:**	08/20/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2T11021.D	1	08/21/24 17:02	ED	n/a	n/a	V2T291
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	39	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JD94531-6	**Date Sampled:**	08/20/24
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/20/24
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	AFFCO, 361 Walsh Avenue, New Windsor, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

GW
FB
TB

E

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: PREM-IN-081424-119
SGS Quote #:
SGS Job #: JD94531

Client / Reporting Information

Company Name: Fleming Lee Shue
Street Address: 158 W. 29th St, #9
City: NY State: NY Zip: 10001
Project Contact: stevePorter, steve@flemingleeshue.com E-mail:
Phone #: 212-675-3225
Sampler(s) Name(s): J. Arey, L. Silverman Phone #:

Project Information

Project Name: AFFCO
Street: 361 Walsh Ave.
City: NewWindsor State: NY
Project #: 10000
Client Purchase Order #:
Project Manager: T. McCloskey

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	ALK	CHL, FE2	FE, MET-SW846	S	SO4	V8260TCL11	VRSK175CH4	VRSK175CO2	LAB USE ONLY
1	MW-1		8/20/24	10:15	JA	G	N	GW	14	6	2	1		5				X	X	X	X	X	X	X	X	A3
2	MW-1 DUP		8/20/24	10:15	JA	G	N	GW	2	2													X			C47
3	EW-0		8/20/24	11:00	LS	G	N	GW	14	6	2	1		5				X	X	X	X	X	X	X	X	V460
4	EW-1X		8/20/24	11:35	LS	G	N	GW	8	6				2									X	X	X	
5	Field Blank		8/20/24	11:45	JA	-	-	FB	2	2													X			
6	Trip Blank		8/19/24	7:00	-	-	-	TB	2	2													X			

pH Check (Lab Use Only)

Initial Assessment: 2BEC
Label Verification:

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

SGS COURIER

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	[signature]	8-20-24 1500	1 [signature]	2 [signature]	8-20-24 1931	2 [signature]
3			3	4		4
5			5	Custody Seal #		

Custody Seal #: [ ] Intact [ ] Not intact [ ] Absent

Therm ID: See Sample Receipt Summary

On Ice: IR 2.1

Cooler Temp. °C: IR 5.0

EHSA-QAC-0023-05 Rev.Date:8/5/22

5.1 5

SGS Sample Receipt Summary

Job Number: JD94531 **Client:** FLEMING-LEE SHUE, INC. **Project:** AFFCO, 361 WALSH AVENUE, NEW WIN

Date / Time Received: 8/20/2024 7:31:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Job Change Order: JD94531

Requested Date:	8/27/2024	**Received Date:**	8/20/2024
Account Name:	Fleming-Lee Shue, Inc.	**Due Date:**	8/27/2024
Project Description:	AFFCO, 361 Walsh Avenue, New Windsor, NY	**Deliverable:**	NYASPB
C/O Initiated By:	TAMMY_MC **PM:** TM	**TAT (Days):**	6

==========

Sample #: JD94531-1, 3, 4 **Dept:**

Client ID: **TAT:** 6

Change: Relog / retrieve VRRSK175ETHANE, VGC+ETHENE

Above Changes Per: Steve Panter **Date/Time:** 8/27/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

JD94531: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD94531

AFFCO, 361 Walsh Avenue, New Windsor, NY
Project No: 10000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD94531-1	Collected: 20-AUG-24 10:15 By: JA		Received: 20-AUG-24 By: JK			
MW-1						
JD94531-1	SW846 8260D	21-AUG-24 18:25	ED			V8260TCL11
JD94531-1	RSK-175	22-AUG-24 13:27	WC			VRSK175CH4
JD94531-1	EPA 300/SW846 9056A	22-AUG-24 13:50	SS	22-AUG-24	SS	CHL,SO4
JD94531-1	SW846 6010D	23-AUG-24 01:11	KP	22-AUG-24	BP	FE
JD94531-1	RSK-175	23-AUG-24 09:33	WC			VRSK175CO2
JD94531-1	SM4500S2- F-11	24-AUG-24 09:43	MP			S
JD94531-1	SM2320 B-11	24-AUG-24 14:10	JOO			ALK
JD94531-1	SM3500FE B-11	27-AUG-24 17:00	MP			FE2
JD94531-2	Collected: 20-AUG-24 10:15 By: JA		Received: 20-AUG-24 By: JK			
MW-1 DUP						
JD94531-2	SW846 8260D	21-AUG-24 18:38	ED			V8260TCL11
JD94531-3	Collected: 20-AUG-24 11:00 By: JA		Received: 20-AUG-24 By: JK			
EW-0						
JD94531-3	SW846 8260D	22-AUG-24 11:50	NW			V8260TCL11
JD94531-3	RSK-175	22-AUG-24 13:53	WC			VRSK175CH4
JD94531-3	EPA 300/SW846 9056A	22-AUG-24 14:03	SS	22-AUG-24	SS	CHL,SO4
JD94531-3	SW846 6010D	23-AUG-24 01:15	KP	22-AUG-24	BP	FE
JD94531-3	RSK-175	23-AUG-24 10:28	WC			VRSK175CO2
JD94531-3	SM4500S2- F-11	24-AUG-24 09:43	MP			S
JD94531-3	SM2320 B-11	24-AUG-24 14:10	JOO			ALK
JD94531-3	SM3500FE B-11	27-AUG-24 17:00	MP			FE2
JD94531-4	Collected: 20-AUG-24 11:35 By: JA		Received: 20-AUG-24 By: JK			
EW-1X						
JD94531-4	SW846 8260D	22-AUG-24 12:07	NW			V8260TCL11
JD94531-4	RSK-175	22-AUG-24 14:27	WC			VRSK175CH4
JD94531-4	RSK-175	23-AUG-24 10:44	WC			VRSK175CO2
JD94531-5	Collected: 20-AUG-24 11:45 By: JA		Received: 20-AUG-24 By: JK			
FIELD BLANK						
JD94531-5	SW846 8260D	21-AUG-24 16:49	ED			V8260TCL11

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JD94531

AFFCO, 361 Walsh Avenue, New Windsor, NY
Project No: 10000

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD94531-6	Collected: 20-AUG-24 11:45 By: JA		Received: 20-AUG-24 By: JK			
TRIP BLANK						
JD94531-6	SW846 8260D	21-AUG-24 17:02	ED			V8260TCL11
JD94531-1R	Collected: 20-AUG-24 10:15 By: JA		Received: 20-AUG-24 By: JK			
MW-1						
JD94531-1R	RSK-175	22-AUG-24 13:11	WC			VGC + ETHENE,VRRSK175ETHANE
JD94531-3R	Collected: 20-AUG-24 11:00 By: JA		Received: 20-AUG-24 By: JK			
EW-0						
JD94531-3R	RSK-175	22-AUG-24 13:53	WC			VGC + ETHENE,VRRSK175ETHANE
JD94531-4R	Collected: 20-AUG-24 11:35 By: JA		Received: 20-AUG-24 By: JK			
EW-1X						
JD94531-4R	RSK-175	22-AUG-24 14:06	WC			VGC + ETHENE,VRRSK175ETHANE

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-1.1	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.1	Secured Storage	Dave Hunkele	08/22/24 09:45	Retrieve from Storage
JD94531-1.1	Dave Hunkele	Secured Staging Area	08/22/24 09:45	Return to Storage
JD94531-1.1	Secured Staging Area	Brianna Perez	08/22/24 09:51	Retrieve from Storage
JD94531-1.1	Brianna Perez	Secured Storage	08/22/24 10:47	Return to Storage
JD94531-1.2	Secured Storage	Dave Hunkele	08/21/24 12:48	Retrieve from Storage
JD94531-1.2	Dave Hunkele	Secured Staging Area	08/21/24 12:48	Return to Storage
JD94531-1.2	Secured Staging Area	Daniel Broche	08/21/24 12:51	Retrieve from Storage
JD94531-1.2	Daniel Broche	Secured Staging Area	08/21/24 12:52	Return to Storage
JD94531-1.2	Secured Staging Area	Mahendra Patel	08/21/24 16:45	Retrieve from Storage
JD94531-1.2	Mahendra Patel	Secured Storage	08/21/24 16:45	Return to Storage
JD94531-1.2	Secured Storage	Dave Hunkele	08/27/24 07:40	Retrieve from Storage
JD94531-1.2	Dave Hunkele	Secured Staging Area	08/27/24 07:40	Return to Storage
JD94531-1.2	Secured Staging Area	Mahendra Patel	08/27/24 08:18	Retrieve from Storage
JD94531-1.2	Mahendra Patel	Secured Storage	08/27/24 18:40	Return to Storage
JD94531-1.3	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:37	Retrieve from Storage
JD94531-1.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:37	Return to Storage
JD94531-1.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:38	Retrieve from Storage
stage				
JD94531-1.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:38	Return to Storage
JD94531-1.3	Secured Staging Area	Mahendra Patel	08/23/24 09:30	Retrieve from Storage
JD94531-1.3	Mahendra Patel	Secured Storage	08/23/24 17:08	Return to Storage
JD94531-1.3	Secured Storage	Mahendra Patel	08/24/24 08:35	Retrieve from Storage
JD94531-1.3	Mahendra Patel		08/24/24 09:19	Depleted
JD94531-1.5	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.5	Secured Storage	Dave Hunkele	08/22/24 10:41	Retrieve from Storage
JD94531-1.5	Dave Hunkele	Secured Staging Area	08/22/24 10:41	Return to Storage
JD94531-1.5	Secured Staging Area	Jared O. Onindo	08/22/24 15:07	Retrieve from Storage
JD94531-1.5	Jared O. Onindo	Secured Storage	08/24/24 16:25	Return to Storage
JD94531-1.6	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-1.6	Secured Storage	Dave Hunkele	08/22/24 07:22	Retrieve from Storage
JD94531-1.6	Dave Hunkele	Secured Staging Area	08/22/24 07:22	Return to Storage
JD94531-1.6	Secured Staging Area	Sarah Sarantopoulos	08/22/24 14:10	Retrieve from Storage
JD94531-1.6	Sarah Sarantopoulos	Secured Storage	08/26/24 15:56	Return to Storage
JD94531-1.7	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.8	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.8	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-1.8	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-1.9	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.10	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.11	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.11	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-1.11	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-1.11	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-1.11	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-1.12	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.12	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-1.12	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-1.13	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-1.14	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-2.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-2.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-2.2	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-2.2	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-2.2	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-2.2	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-2.3	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.1	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.1	Secured Storage	Dave Hunkele	08/22/24 09:45	Retrieve from Storage
JD94531-3.1	Dave Hunkele	Secured Staging Area	08/22/24 09:45	Return to Storage
JD94531-3.1	Secured Staging Area	Brianna Perez	08/22/24 09:51	Retrieve from Storage
JD94531-3.1	Brianna Perez	Secured Storage	08/22/24 10:47	Return to Storage
JD94531-3.2	Secured Storage	Dave Hunkele	08/21/24 12:48	Retrieve from Storage
JD94531-3.2	Dave Hunkele	Secured Staging Area	08/21/24 12:48	Return to Storage
JD94531-3.2	Secured Staging Area	Daniel Broche	08/21/24 12:51	Retrieve from Storage
JD94531-3.2	Daniel Broche	Secured Staging Area	08/21/24 12:52	Return to Storage
JD94531-3.2	Secured Staging Area	Mahendra Patel	08/21/24 16:45	Retrieve from Storage
JD94531-3.2	Mahendra Patel	Secured Storage	08/21/24 16:45	Return to Storage
JD94531-3.2	Secured Storage	Dave Hunkele	08/27/24 07:40	Retrieve from Storage
JD94531-3.2	Dave Hunkele	Secured Staging Area	08/27/24 07:40	Return to Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-3.2	Secured Staging Area	Mahendra Patel	08/27/24 08:18	Retrieve from Storage
JD94531-3.2	Mahendra Patel	Secured Storage	08/27/24 18:40	Return to Storage
JD94531-3.3	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:37	Retrieve from Storage
JD94531-3.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:37	Return to Storage
JD94531-3.3	Secured Storage	Aleandi Rodriguez	08/22/24 23:38	Retrieve from Storage
stage				
JD94531-3.3	Aleandi Rodriguez	Secured Staging Area	08/22/24 23:38	Return to Storage
JD94531-3.3	Secured Staging Area	Mahendra Patel	08/23/24 09:30	Retrieve from Storage
JD94531-3.3	Mahendra Patel	Secured Storage	08/23/24 17:08	Return to Storage
JD94531-3.3	Secured Storage	Mahendra Patel	08/24/24 08:35	Retrieve from Storage
JD94531-3.3	Mahendra Patel		08/24/24 09:19	Depleted
JD94531-3.4	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.5	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.5	Secured Storage	Dave Hunkele	08/22/24 10:41	Retrieve from Storage
JD94531-3.5	Dave Hunkele	Secured Staging Area	08/22/24 10:41	Return to Storage
JD94531-3.5	Secured Staging Area	Jared O. Onindo	08/22/24 15:07	Retrieve from Storage
JD94531-3.5	Jared O. Onindo	Secured Storage	08/24/24 16:25	Return to Storage
JD94531-3.6	Seamus D'angiolillo	Secured Storage	08/21/24 13:19	Return to Storage
JD94531-3.6	Secured Storage	Dave Hunkele	08/22/24 07:22	Retrieve from Storage
JD94531-3.6	Dave Hunkele	Secured Staging Area	08/22/24 07:22	Return to Storage
JD94531-3.6	Secured Staging Area	Sarah Sarantopoulos	08/22/24 14:10	Retrieve from Storage
JD94531-3.6	Sarah Sarantopoulos	Secured Storage	08/26/24 15:56	Return to Storage
JD94531-3.7	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.7	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-3.7	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-3.8	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.9	Secured Storage	Camille Fiumara	08/22/24 14:25	Retrieve from Storage
JD94531-3.9	Camille Fiumara	GCMS1F	08/22/24 14:25	Load on Instrument
JD94531-3.9	GCMS1F	Camille Fiumara	08/23/24 15:38	Unload from Instrument
JD94531-3.9	Camille Fiumara	Secured Storage	08/23/24 15:38	Return to Storage
JD94531-3.10	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.10	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-3.10	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-3.11	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-3.11	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-3.11	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-3.11	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-3.11	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-3.12	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.13	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-3.14	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.1	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-4.1	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-4.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.3	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.3	Secured Storage	Camille Fiumara	08/22/24 14:25	Retrieve from Storage
JD94531-4.3	Camille Fiumara	GCMS1F	08/22/24 14:25	Load on Instrument
JD94531-4.3	GCMS1F	Camille Fiumara	08/23/24 15:38	Unload from Instrument
JD94531-4.3	Camille Fiumara	Secured Storage	08/23/24 15:38	Return to Storage
JD94531-4.4	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.4	Secured Storage	William Cruser	08/22/24 11:00	Retrieve from Storage
JD94531-4.4	William Cruser	VOA Prep Storage	08/30/24 08:04	Return to Storage
JD94531-4.5	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.5	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-4.5	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-4.5	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-4.5	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage
JD94531-4.6	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.7	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-4.8	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-5.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-5.1	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-5.1	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-5.1	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-5.1	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage

SGS Internal Chain of Custody

Job Number: JD94531
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: AFFCO, 361 Walsh Avenue, New Windsor, NY
Received: 08/20/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD94531-5.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-6.1	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-6.2	Haleigh Rosado	Secured Storage	08/21/24 12:49	Return to Storage
JD94531-6.2	Secured Storage	Camille Fiumara	08/21/24 15:31	Retrieve from Storage
JD94531-6.2	Camille Fiumara	GCMS1T	08/21/24 15:31	Load on Instrument
JD94531-6.2	GCMS1T	Camille Fiumara	08/22/24 13:58	Unload from Instrument
JD94531-6.2	Camille Fiumara	Secured Storage	08/22/24 13:58	Return to Storage