284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# DATA PACKAGE

VOLATILE ORGANICS

**PROJECT NAME : 223 W. 29TH ST NY, NY**

**GFE LLC**

**58 Nokomis Ave**

**Lake Hiawatha, NJ - 07034**

**Phone No: 646-542-3465**

**ORDER ID : Q1649**

**ATTENTION : Frank Galdun**

**Laboratory Certification ID # 20012**

Table Of Contents for Q1649

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# Cover Page

**Order ID :** Q1649

**Project ID :** 223 W. 29th St NY, NY

**Client :** GFE LLC

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1649-01 | SV1 |
| Q1649-02 | SV2 |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
*By Nimisha Pandya, QA/QC Supervisor at 1:43 pm, Apr 04, 2025*

Date: 4/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**GFE LLC**
**Project Name: 223 W. 29th St NY, NY**
**Project # N/A**
**Chemtech Project # Q1649**
**Test Name: TO-15**

**A. Number of Samples and Date of Receipt:**
2 Air samples were received on 03/26/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.The analysis of TO-15 was based on method TO-15.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {Q1669-06DUP} with File ID: VL042206.D met criteria except for Tetrachloroethene[200%] due to difference in results of original and DUP.

The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Due to potential high concentration of target analytes, Samples SV1, SV2 were initially diluted.

**E. Additional Comments:**
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
*By Nimisha Pandya, QA/QC Supervisor at 1:43 pm, Apr 04, 2025*

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908-789-8900 Fax: 908-789-8922

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q1649

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** MOHAMMAD AHMED **Date:** 04/03/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1649 | **OrderDate:** | 3/26/2025 10:30:00 AM |
| **Client:** | GFE LLC | **Project:** | 223 W. 29th St NY, NY |
| **Contact:** | Frank Galdun | **Location:** | I41 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1649-01** | **SV1** | **Air** | | | **03/25/25** | | | **03/26/25** |
| | | | TO-15 | TO-15 | | | 03/31/25 | |
| **Q1649-02** | **SV2** | **Air** | | | **03/25/25** | | | **03/26/25** |
| | | | TO-15 | TO-15 | | | 03/31/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1649

**Client:** GFE LLC

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **SV1** | | | | | | | |
| Q1649-01 | SV1 | Air | Heptane | 6.97 | J | 1.80 | 8.20 | ug/m3 |
| Q1649-01 | SV1 | Air | Acetone | 23.8 | | 2.28 | 4.75 | ug/m3 |
| Q1649-01 | SV1 | Air | Methyl tert-Butyl Ether | 3.97 | J | 1.73 | 7.21 | ug/m3 |
| Q1649-01 | SV1 | Air | Methylene Chloride | 5.56 | J | 2.64 | 6.95 | ug/m3 |
| Q1649-01 | SV1 | Air | 2-Butanone | 2.54 | J | 1.42 | 5.90 | ug/m3 |
| Q1649-01 | SV1 | Air | Benzene | 1.34 | J | 1.12 | 6.39 | ug/m3 |
| Q1649-01 | SV1 | Air | Trichloroethene | 1.61 | | 0.38 | 0.64 | ug/m3 |
| Q1649-01 | SV1 | Air | Toluene | 8.29 | | 1.66 | 7.54 | ug/m3 |
| Q1649-01 | SV1 | Air | Tetrachloroethene | 10.2 | | 0.41 | 0.81 | ug/m3 |
| Q1649-01 | SV1 | Air | m/p-Xylene | 7.82 | J | 3.65 | 17.4 | ug/m3 |
| Q1649-01 | SV1 | Air | o-Xylene | 3.13 | J | 2.08 | 8.69 | ug/m3 |
| Q1649-01 | SV1 | Air | 1,2,4-Trimethylbenzene | 7.37 | J | 1.52 | 9.83 | ug/m3 |
| Q1649-01 | SV1 | Air | Hexane | 127 | | 1.55 | 7.05 | ug/m3 |
| | | | **Total Voc :** | 209 | | | | |
| | | | **Total Concentration:** | 209 | | | | |
| **Client ID:** | **SV2** | | | | | | | |
| Q1649-02 | SV2 | Air | Heptane | 7.38 | J | 1.80 | 8.20 | ug/m3 |
| Q1649-02 | SV2 | Air | Acetone | 21.1 | | 2.28 | 4.75 | ug/m3 |
| Q1649-02 | SV2 | Air | Methylene Chloride | 8.34 | | 2.64 | 6.95 | ug/m3 |
| Q1649-02 | SV2 | Air | 2-Butanone | 2.15 | J | 1.42 | 5.90 | ug/m3 |
| Q1649-02 | SV2 | Air | 2,2,4-Trimethylpentane | 2.90 | J | 1.87 | 9.34 | ug/m3 |
| Q1649-02 | SV2 | Air | Benzene | 2.62 | J | 1.12 | 6.39 | ug/m3 |
| Q1649-02 | SV2 | Air | Trichloroethene | 1.83 | | 0.38 | 0.64 | ug/m3 |
| Q1649-02 | SV2 | Air | Toluene | 9.80 | | 1.66 | 7.54 | ug/m3 |
| Q1649-02 | SV2 | Air | Tetrachloroethene | 44.1 | | 0.41 | 0.81 | ug/m3 |
| Q1649-02 | SV2 | Air | Ethyl Benzene | 2.61 | J | 2.08 | 8.69 | ug/m3 |
| Q1649-02 | SV2 | Air | m/p-Xylene | 12.2 | J | 3.65 | 17.4 | ug/m3 |
| Q1649-02 | SV2 | Air | o-Xylene | 4.78 | J | 2.08 | 8.69 | ug/m3 |
| Q1649-02 | SV2 | Air | 1,3,5-Trimethylbenzene | 2.61 | J | 2.16 | 9.83 | ug/m3 |
| Q1649-02 | SV2 | Air | 1,2,4-Trimethylbenzene | 9.83 | | 1.52 | 9.83 | ug/m3 |
| Q1649-02 | SV2 | Air | 4-Ethyltoluene | 2.70 | J | 2.36 | 9.83 | ug/m3 |
| Q1649-02 | SV2 | Air | Hexane | 109 | | 1.55 | 7.05 | ug/m3 |
| | | | **Total Voc :** | 244 | | | | |
| | | | **Total Concentration:** | 244 | | | | |

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**Project :** 223 W. 29th St NY, NY
**Field Id Number :** SV1
**Laboratory Id Number :** Q1649-01

**Sampling Date :** 03/25/25
**Analysis Date :** 03/31/25
**Target Analyts :** Air Results

| Chemical | Cas Number | Molecular Weight | Insert Results in PPBV | Qualifier | Generate Results in ug/m3 | QAS Decision | Foot Notes |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 75-71-8 | 120.9 | 0.84 | U | 4.15 | | |
| Chloromethane | 74-87-3 | 50.49 | 0.39 | U | 0.81 | | |
| Vinyl Chloride | 75-01-4 | 62.5 | 0.06 | U | 0.15 | | |
| Bromomethane | 74-83-9 | 94.94 | 0.56 | U | 2.17 | | |
| Chloroethane | 75-00-3 | 64.52 | 0.68 | U | 1.79 | | |
| Tetrahydrofuran | 109-99-9 | 72.11 | 0.52 | U | 1.53 | | |
| Trichlorofluoromethane | 75-69-4 | 137.4 | 0.64 | U | 3.6 | | |
| Dichlorotetrafluoroethane | 76-14-2 | 170.9 | 0.35 | U | 2.45 | | |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.4 | 0.64 | U | 4.91 | | |
| tert-Butyl alcohol | 75-65-0 | 74.12 | 0.76 | U | 2.3 | | |
| Heptane | 142-82-5 | 100.2 | 1.7 | J | 6.97 | | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | 0.56 | U | 2.22 | | |
| Acetone | 67-64-1 | 58.08 | 10 | | 23.8 | | |
| Carbon Disulfide | 75-15-0 | 76.14 | 0.64 | U | 1.99 | | |
| Methyl tert-Butyl Ether | 1634-04-4 | 88.15 | 1.1 | J | 3.97 | | |
| Methylene Chloride | 75-09-2 | 84.94 | 1.6 | J | 5.56 | | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | 0.76 | U | 3.01 | | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | 0.52 | U | 2.1 | | |
| Cyclohexane | 110-82-7 | 84.16 | 0.88 | U | 3.03 | | |
| 2-Butanone | 78-93-3 | 72.11 | 0.86 | J | 2.54 | | |
| Carbon Tetrachloride | 56-23-5 | 153.8 | 0.04 | U | 0.25 | | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | 0.36 | U | 1.43 | | |
| Chloroform | 67-66-3 | 119.4 | 0.33 | U | 1.61 | | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | 0.04 | U | 0.22 | | |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.2 | 0.4 | U | 1.87 | | |
| Benzene | 71-43-2 | 78.11 | 0.42 | J | 1.34 | | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | 0.36 | U | 1.46 | | |
| Trichloroethene | 79-01-6 | 131.4 | 0.3 | | 1.61 | | |
| 1,2-Dichloropropane | 78-87-5 | 113 | 0.44 | U | 2.03 | | |
| Bromodichloromethane | 75-27-4 | 163.8 | 0.31 | U | 2.08 | | |
| 4-Methyl-2-Pentanone | 108-10-1 | 100.2 | 0.37 | U | 1.52 | | |
| Toluene | 108-88-3 | 92.14 | 2.2 | | 8.29 | | |
| t-1,3-Dichloropropene | 10061-02-6 | 111 | 0.24 | U | 1.09 | | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 0.26 | U | 1.18 | | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | 0.28 | U | 1.53 | | |

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**Project :** 223 W. 29th St NY, NY
**Field Id Number :** SV1
**Laboratory Id Number :** Q1649-01

**Sampling Date :** 03/25/25
**Analysis Date :** 03/31/25
**Target Analyts :** Air Results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | 124-48-1 | 208.3 | 0.26 | U | 2.22 | | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | 0.29 | U | 2.23 | | |
| Tetrachloroethene | 127-18-4 | 165.8 | 1.5 | | 10.2 | | |
| Chlorobenzene | 108-90-7 | 112.6 | 0.3 | U | 1.38 | | |
| Ethyl Benzene | 100-41-4 | 106.2 | 0.48 | U | 2.08 | | |
| m/p-Xylene | 179601-23-1 | 106.2 | 1.8 | J | 7.82 | | |
| o-Xylene | 95-47-6 | 106.2 | 0.72 | J | 3.13 | | |
| Styrene | 100-42-5 | 104.1 | 0.44 | U | 1.87 | | |
| Bromoform | 75-25-2 | 252.8 | 0.23 | U | 2.38 | | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | 0.04 | U | 0.27 | | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | 0.44 | U | 2.28 | | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | 0.44 | U | 2.16 | | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | 1.5 | J | 7.37 | | |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 0.32 | U | 1.92 | | |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 0.21 | U | 1.26 | | |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 0.3 | U | 1.8 | | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.5 | 0.34 | U | 2.52 | | |
| Hexachloro-1,3-Butadiene | 87-68-3 | 260.8 | 0.34 | U | 3.63 | | |
| Naphthalene | 91-20-3 | 128.17 | 0.3 | U | 1.57 | | |
| 1,3-Butadiene | 106-99-0 | 54.09 | 0.52 | U | 1.15 | | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | 0.48 | U | 2.36 | | |
| Hexane | 110-54-3 | 86.17 | 36 | | 126 | | |
| Allyl Chloride | 107-05-1 | 76.53 | 0.6 | U | 1.88 | | |
| 1,4-Dioxane | 123-91-1 | 88.12 | 0.84 | U | 3.03 | | |
| Methyl Methacrylate | 80-62-6 | 100.117 | 0.34 | U | 1.39 | | |

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**Project :** 223 W. 29th St NY, NY
**Field Id Number :** SV2
**Laboratory Id Number :** Q1649-02

**Sampling Date :** 03/25/25
**Analysis Date :** 03/31/25
**Target Analyts :** Air Results

| Chemical | Cas Number | Molecular Weight | Insert Results in PPBV | Qualifier | Generate Results in ug/m3 | QAS Decision | Foot Notes |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 75-71-8 | 120.9 | 0.84 | U | 4.15 | | |
| Chloromethane | 74-87-3 | 50.49 | 0.39 | U | 0.81 | | |
| Vinyl Chloride | 75-01-4 | 62.5 | 0.06 | U | 0.15 | | |
| Bromomethane | 74-83-9 | 94.94 | 0.56 | U | 2.17 | | |
| Chloroethane | 75-00-3 | 64.52 | 0.68 | U | 1.79 | | |
| Tetrahydrofuran | 109-99-9 | 72.11 | 0.52 | U | 1.53 | | |
| Trichlorofluoromethane | 75-69-4 | 137.4 | 0.64 | U | 3.6 | | |
| Dichlorotetrafluoroethane | 76-14-2 | 170.9 | 0.35 | U | 2.45 | | |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.4 | 0.64 | U | 4.91 | | |
| tert-Butyl alcohol | 75-65-0 | 74.12 | 0.76 | U | 2.3 | | |
| Heptane | 142-82-5 | 100.2 | 1.8 | J | 7.38 | | |
| 1,1-Dichloroethene | 75-35-4 | 96.94 | 0.56 | U | 2.22 | | |
| Acetone | 67-64-1 | 58.08 | 8.9 | | 21.1 | | |
| Carbon Disulfide | 75-15-0 | 76.14 | 0.64 | U | 1.99 | | |
| Methyl tert-Butyl Ether | 1634-04-4 | 88.15 | 0.48 | U | 1.73 | | |
| Methylene Chloride | 75-09-2 | 84.94 | 2.4 | | 8.34 | | |
| trans-1,2-Dichloroethene | 156-60-5 | 96.94 | 0.76 | U | 3.01 | | |
| 1,1-Dichloroethane | 75-34-3 | 98.96 | 0.52 | U | 2.1 | | |
| Cyclohexane | 110-82-7 | 84.16 | 0.88 | U | 3.03 | | |
| 2-Butanone | 78-93-3 | 72.11 | 0.73 | J | 2.15 | | |
| Carbon Tetrachloride | 56-23-5 | 153.8 | 0.04 | U | 0.25 | | |
| cis-1,2-Dichloroethene | 156-59-2 | 96.94 | 0.36 | U | 1.43 | | |
| Chloroform | 67-66-3 | 119.4 | 0.33 | U | 1.61 | | |
| 1,1,1-Trichloroethane | 71-55-6 | 133.4 | 0.04 | U | 0.22 | | |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.2 | 0.62 | J | 2.9 | | |
| Benzene | 71-43-2 | 78.11 | 0.82 | J | 2.62 | | |
| 1,2-Dichloroethane | 107-06-2 | 98.96 | 0.36 | U | 1.46 | | |
| Trichloroethene | 79-01-6 | 131.4 | 0.34 | | 1.83 | | |
| 1,2-Dichloropropane | 78-87-5 | 113 | 0.44 | U | 2.03 | | |
| Bromodichloromethane | 75-27-4 | 163.8 | 0.31 | U | 2.08 | | |
| 4-Methyl-2-Pentanone | 108-10-1 | 100.2 | 0.37 | U | 1.52 | | |
| Toluene | 108-88-3 | 92.14 | 2.6 | | 9.8 | | |
| t-1,3-Dichloropropene | 10061-02-6 | 111 | 0.24 | U | 1.09 | | |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 0.26 | U | 1.18 | | |
| 1,1,2-Trichloroethane | 79-00-5 | 133.4 | 0.28 | U | 1.53 | | |

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**Project :** 223 W. 29th St NY, NY
**Field Id Number :** SV2
**Laboratory Id Number :** Q1649-02

**Sampling Date :** 03/25/25
**Analysis Date :** 03/31/25
**Target Analyts :** Air Results

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | 124-48-1 | 208.3 | 0.26 | U | 2.22 | | |
| 1,2-Dibromoethane | 106-93-4 | 187.9 | 0.29 | U | 2.23 | | |
| Tetrachloroethene | 127-18-4 | 165.8 | 6.5 | | 44.1 | | |
| Chlorobenzene | 108-90-7 | 112.6 | 0.3 | U | 1.38 | | |
| Ethyl Benzene | 100-41-4 | 106.2 | 0.6 | J | 2.61 | | |
| m/p-Xylene | 179601-23-1 | 106.2 | 2.8 | J | 12.2 | | |
| o-Xylene | 95-47-6 | 106.2 | 1.1 | J | 4.78 | | |
| Styrene | 100-42-5 | 104.1 | 0.44 | U | 1.87 | | |
| Bromoform | 75-25-2 | 252.8 | 0.23 | U | 2.38 | | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 167.9 | 0.04 | U | 0.27 | | |
| 2-Chlorotoluene | 95-49-8 | 126.6 | 0.44 | U | 2.28 | | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120.2 | 0.53 | J | 2.61 | | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120.2 | 2 | | 9.83 | | |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 0.32 | U | 1.92 | | |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 0.21 | U | 1.26 | | |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 0.3 | U | 1.8 | | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181.5 | 0.34 | U | 2.52 | | |
| Hexachloro-1,3-Butadiene | 87-68-3 | 260.8 | 0.34 | U | 3.63 | | |
| Naphthalene | 91-20-3 | 128.17 | 0.3 | U | 1.57 | | |
| 1,3-Butadiene | 106-99-0 | 54.09 | 0.52 | U | 1.15 | | |
| 4-Ethyltoluene | 622-96-8 | 120.2 | 0.55 | J | 2.7 | | |
| Hexane | 110-54-3 | 86.17 | 31 | | 109 | | |
| Allyl Chloride | 107-05-1 | 76.53 | 0.6 | U | 1.88 | | |
| 1,4-Dioxane | 123-91-1 | 88.12 | 0.84 | U | 3.03 | | |
| Methyl Methacrylate | 80-62-6 | 100.117 | 0.34 | U | 1.39 | | |

# SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | 03/25/25 |
| Project: | 223 W. 29th St NY, NY | Date Received: | 03/26/25 |
| Client Sample ID: | SV1 | SDG No.: | Q1649 |
| Lab Sample ID: | Q1649-01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042207.D | 4 | | 03/31/25 13:05 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.84 | 4.15 | U | 4.15 | 9.89 | ug/m3 |
| 74-87-3 | Chloromethane | 0.39 | 0.81 | U | 0.81 | 4.13 | ug/m3 |
| 75-01-4 | Vinyl Chloride | 0.060 | 0.15 | U | 0.15 | 0.31 | ug/m3 |
| 74-83-9 | Bromomethane | 0.56 | 2.17 | U | 2.17 | 7.77 | ug/m3 |
| 75-00-3 | Chloroethane | 0.68 | 1.79 | U | 1.79 | 5.28 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | 0.52 | 1.53 | U | 1.53 | 5.90 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | 0.64 | 3.60 | U | 3.60 | 11.2 | ug/m3 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.64 | 4.91 | U | 4.91 | 15.3 | ug/m3 |
| 76-14-2 | Dichlorotetrafluoroethane | 0.35 | 2.45 | U | 2.45 | 14.0 | ug/m3 |
| 75-65-0 | tert-Butyl alcohol | 0.76 | 2.30 | U | 2.30 | 6.06 | ug/m3 |
| 142-82-5 | Heptane | 1.70 | 6.97 | J | 1.80 | 8.20 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethene | 0.56 | 2.22 | U | 2.22 | 7.93 | ug/m3 |
| 67-64-1 | Acetone | 10.0 | 23.8 | | 2.28 | 4.75 | ug/m3 |
| 75-15-0 | Carbon Disulfide | 0.64 | 1.99 | U | 1.99 | 6.23 | ug/m3 |
| 1634-04-4 | Methyl tert-Butyl Ether | 1.10 | 3.97 | J | 1.73 | 7.21 | ug/m3 |
| 75-09-2 | Methylene Chloride | 1.60 | 5.56 | J | 2.64 | 6.95 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.76 | 3.01 | U | 3.01 | 7.93 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | 0.52 | 2.10 | U | 2.10 | 8.09 | ug/m3 |
| 110-82-7 | Cyclohexane | 0.88 | 3.03 | U | 3.03 | 6.88 | ug/m3 |
| 78-93-3 | 2-Butanone | 0.86 | 2.54 | J | 1.42 | 5.90 | ug/m3 |
| 56-23-5 | Carbon Tetrachloride | 0.040 | 0.25 | U | 0.25 | 0.75 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.36 | 1.43 | U | 1.43 | 7.93 | ug/m3 |
| 67-66-3 | Chloroform | 0.33 | 1.61 | U | 1.61 | 9.77 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.040 | 0.22 | U | 0.22 | 0.65 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | 0.40 | 1.87 | U | 1.87 | 9.34 | ug/m3 |
| 71-43-2 | Benzene | 0.42 | 1.34 | J | 1.12 | 6.39 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | 0.36 | 1.46 | U | 1.46 | 8.09 | ug/m3 |
| 79-01-6 | Trichloroethene | 0.30 | 1.61 | | 0.38 | 0.64 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | 0.44 | 2.03 | U | 2.03 | 9.24 | ug/m3 |
| 75-27-4 | Bromodichloromethane | 0.31 | 2.08 | U | 2.08 | 13.4 | ug/m3 |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.37 | 1.52 | U | 1.52 | 8.20 | ug/m3 |
| 108-88-3 | Toluene | 2.20 | 8.29 | | 1.66 | 7.54 | ug/m3 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.24 | 1.09 | U | 1.09 | 9.08 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.26 | 1.18 | U | 1.18 | 9.08 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.28 | 1.53 | U | 1.53 | 10.9 | ug/m3 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | 03/25/25 |
| Project: | 223 W. 29th St NY, NY | Date Received: | 03/26/25 |
| Client Sample ID: | SV1 | SDG No.: | Q1649 |
| Lab Sample ID: | Q1649-01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042207.D | 4 | | 03/31/25 13:05 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.26 | 2.22 | U | 2.22 | 17.0 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane | 0.29 | 2.23 | U | 2.23 | 3.07 | ug/m3 |
| 127-18-4 | Tetrachloroethene | 1.50 | 10.2 | | 0.41 | 0.81 | ug/m3 |
| 108-90-7 | Chlorobenzene | 0.30 | 1.38 | U | 1.38 | 9.21 | ug/m3 |
| 100-41-4 | Ethyl Benzene | 0.48 | 2.08 | U | 2.08 | 8.69 | ug/m3 |
| 179601-23-1 | m/p-Xylene | 1.80 | 7.82 | J | 3.65 | 17.4 | ug/m3 |
| 95-47-6 | o-Xylene | 0.72 | 3.13 | J | 2.08 | 8.69 | ug/m3 |
| 100-42-5 | Styrene | 0.44 | 1.87 | U | 1.87 | 8.52 | ug/m3 |
| 75-25-2 | Bromoform | 0.23 | 2.38 | U | 2.38 | 20.7 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.040 | 0.27 | U | 0.27 | 0.82 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | 0.44 | 2.28 | U | 2.28 | 10.4 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.44 | 2.16 | U | 2.16 | 9.83 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1.50 | 7.37 | J | 1.52 | 9.83 | ug/m3 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.32 | 1.92 | U | 1.92 | 12.0 | ug/m3 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.21 | 1.26 | U | 1.26 | 12.0 | ug/m3 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.30 | 1.80 | U | 1.80 | 12.0 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.34 | 2.52 | U | 2.52 | 14.8 | ug/m3 |
| 87-68-3 | Hexachloro-1,3-Butadiene | 0.34 | 3.63 | U | 3.63 | 21.3 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | 0.52 | 1.15 | U | 1.15 | 4.42 | ug/m3 |
| 91-20-3 | Naphthalene | 0.30 | 1.57 | U | 1.57 | 2.10 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | 0.48 | 2.36 | U | 2.36 | 9.83 | ug/m3 |
| 110-54-3 | Hexane | 36.0 | 127 | | 1.55 | 7.05 | ug/m3 |
| 107-05-1 | Allyl Chloride | 0.60 | 1.88 | U | 1.88 | 6.26 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | 0.84 | 3.03 | U | 3.03 | 7.21 | ug/m3 |
| 80-62-6 | Methyl Methacrylate | 0.34 | 1.39 | U | 1.39 | 8.19 | ug/m3 |
| **SURROGATES** | | | | | | | |
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.90 | | | 65 - 135 | 99% | SPK: 10 |
| **INTERNAL STANDARDS** | | | | | | | |
| 74-97-5 | Bromochloromethane | 189000 | | 2.803 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 532000 | | 3.981 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 474000 | | 8.901 | | | |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | 03/25/25 |
| Project: | 223 W. 29th St NY, NY | Date Received: | 03/26/25 |
| Client Sample ID: | SV1 | SDG No.: | Q1649 |
| Lab Sample ID: | Q1649-01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042207.D | 4 | | 03/31/25 13:05 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | 03/25/25 |
| Project: | 223 W. 29th St NY, NY | Date Received: | 03/26/25 |
| Client Sample ID: | SV2 | SDG No.: | Q1649 |
| Lab Sample ID: | Q1649-02 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042208.D | 4 | | 03/31/25 13:36 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.84 | 4.15 | U | 4.15 | 9.89 | ug/m3 |
| 74-87-3 | Chloromethane | 0.39 | 0.81 | U | 0.81 | 4.13 | ug/m3 |
| 75-01-4 | Vinyl Chloride | 0.060 | 0.15 | U | 0.15 | 0.31 | ug/m3 |
| 74-83-9 | Bromomethane | 0.56 | 2.17 | U | 2.17 | 7.77 | ug/m3 |
| 75-00-3 | Chloroethane | 0.68 | 1.79 | U | 1.79 | 5.28 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | 0.52 | 1.53 | U | 1.53 | 5.90 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | 0.64 | 3.60 | U | 3.60 | 11.2 | ug/m3 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.64 | 4.91 | U | 4.91 | 15.3 | ug/m3 |
| 76-14-2 | Dichlorotetrafluoroethane | 0.35 | 2.45 | U | 2.45 | 14.0 | ug/m3 |
| 75-65-0 | tert-Butyl alcohol | 0.76 | 2.30 | U | 2.30 | 6.06 | ug/m3 |
| 142-82-5 | Heptane | 1.80 | 7.38 | J | 1.80 | 8.20 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethene | 0.56 | 2.22 | U | 2.22 | 7.93 | ug/m3 |
| 67-64-1 | Acetone | 8.90 | 21.1 | | 2.28 | 4.75 | ug/m3 |
| 75-15-0 | Carbon Disulfide | 0.64 | 1.99 | U | 1.99 | 6.23 | ug/m3 |
| 1634-04-4 | Methyl tert-Butyl Ether | 0.48 | 1.73 | U | 1.73 | 7.21 | ug/m3 |
| 75-09-2 | Methylene Chloride | 2.40 | 8.34 | | 2.64 | 6.95 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.76 | 3.01 | U | 3.01 | 7.93 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | 0.52 | 2.10 | U | 2.10 | 8.09 | ug/m3 |
| 110-82-7 | Cyclohexane | 0.88 | 3.03 | U | 3.03 | 6.88 | ug/m3 |
| 78-93-3 | 2-Butanone | 0.73 | 2.15 | J | 1.42 | 5.90 | ug/m3 |
| 56-23-5 | Carbon Tetrachloride | 0.040 | 0.25 | U | 0.25 | 0.75 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.36 | 1.43 | U | 1.43 | 7.93 | ug/m3 |
| 67-66-3 | Chloroform | 0.33 | 1.61 | U | 1.61 | 9.77 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.040 | 0.22 | U | 0.22 | 0.65 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | 0.62 | 2.90 | J | 1.87 | 9.34 | ug/m3 |
| 71-43-2 | Benzene | 0.82 | 2.62 | J | 1.12 | 6.39 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | 0.36 | 1.46 | U | 1.46 | 8.09 | ug/m3 |
| 79-01-6 | Trichloroethene | 0.34 | 1.83 | | 0.38 | 0.64 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | 0.44 | 2.03 | U | 2.03 | 9.24 | ug/m3 |
| 75-27-4 | Bromodichloromethane | 0.31 | 2.08 | U | 2.08 | 13.4 | ug/m3 |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.37 | 1.52 | U | 1.52 | 8.20 | ug/m3 |
| 108-88-3 | Toluene | 2.60 | 9.80 | | 1.66 | 7.54 | ug/m3 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.24 | 1.09 | U | 1.09 | 9.08 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.26 | 1.18 | U | 1.18 | 9.08 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.28 | 1.53 | U | 1.53 | 10.9 | ug/m3 |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | 03/25/25 |
| Project: | 223 W. 29th St NY, NY | Date Received: | 03/26/25 |
| Client Sample ID: | SV2 | SDG No.: | Q1649 |
| Lab Sample ID: | Q1649-02 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042208.D | 4 | | 03/31/25 13:36 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.26 | 2.22 | U | 2.22 | 17.0 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane | 0.29 | 2.23 | U | 2.23 | 3.07 | ug/m3 |
| 127-18-4 | Tetrachloroethene | 6.50 | 44.1 | | 0.41 | 0.81 | ug/m3 |
| 108-90-7 | Chlorobenzene | 0.30 | 1.38 | U | 1.38 | 9.21 | ug/m3 |
| 100-41-4 | Ethyl Benzene | 0.60 | 2.61 | J | 2.08 | 8.69 | ug/m3 |
| 179601-23-1 | m/p-Xylene | 2.80 | 12.2 | J | 3.65 | 17.4 | ug/m3 |
| 95-47-6 | o-Xylene | 1.10 | 4.78 | J | 2.08 | 8.69 | ug/m3 |
| 100-42-5 | Styrene | 0.44 | 1.87 | U | 1.87 | 8.52 | ug/m3 |
| 75-25-2 | Bromoform | 0.23 | 2.38 | U | 2.38 | 20.7 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.040 | 0.27 | U | 0.27 | 0.82 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | 0.44 | 2.28 | U | 2.28 | 10.4 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.53 | 2.61 | J | 2.16 | 9.83 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 2.00 | 9.83 | | 1.52 | 9.83 | ug/m3 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.32 | 1.92 | U | 1.92 | 12.0 | ug/m3 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.21 | 1.26 | U | 1.26 | 12.0 | ug/m3 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.30 | 1.80 | U | 1.80 | 12.0 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.34 | 2.52 | U | 2.52 | 14.8 | ug/m3 |
| 87-68-3 | Hexachloro-1,3-Butadiene | 0.34 | 3.63 | U | 3.63 | 21.3 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | 0.52 | 1.15 | U | 1.15 | 4.42 | ug/m3 |
| 91-20-3 | Naphthalene | 0.30 | 1.57 | U | 1.57 | 2.10 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | 0.55 | 2.70 | J | 2.36 | 9.83 | ug/m3 |
| 110-54-3 | Hexane | 31.0 | 109 | | 1.55 | 7.05 | ug/m3 |
| 107-05-1 | Allyl Chloride | 0.60 | 1.88 | U | 1.88 | 6.26 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | 0.84 | 3.03 | U | 3.03 | 7.21 | ug/m3 |
| 80-62-6 | Methyl Methacrylate | 0.34 | 1.39 | U | 1.39 | 8.19 | ug/m3 |
| **SURROGATES** | | | | | | | |
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.60 | | | 65 - 135 | 96% | SPK: 10 |
| **INTERNAL STANDARDS** | | | | | | | |
| 74-97-5 | Bromochloromethane | 186000 | | 2.806 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 530000 | | 3.988 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 478000 | | 8.907 | | | |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | 03/25/25 |
| Project: | 223 W. 29th St NY, NY | Date Received: | 03/26/25 |
| Client Sample ID: | SV2 | SDG No.: | Q1649 |
| Lab Sample ID: | Q1649-02 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042208.D | 4 | | 03/31/25 13:36 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

# QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



## Surrogate Summary

**SDG No.:** Q1649

**Client:** GFE LLC

**Analytical Method:** SWTO-15

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q1649-01 | SV1 | 1-Bromo-4-Fluorobenzene | 10 | 9.87 | 99 | 65 | 135 |
| Q1649-02 | SV2 | 1-Bromo-4-Fluorobenzene | 10 | 9.58 | 96 | 65 | 135 |
| Q1669-06DUP | SSSG-DUP-1-3262025DUP | 1-Bromo-4-Fluorobenzene | 10 | 9.85 | 99 | 65 | 135 |
| VL0331ABL01 | VL0331ABL01 | 1-Bromo-4-Fluorobenzene | 10 | 9.95 | 99 | 65 | 135 |
| VL0331ABS01 | VL0331ABS01 | 1-Bromo-4-Fluorobenzene | 10 | 10.3 | 103 | 65 | 135 |

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Fax : 908 789 8922



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1649

**Client:** GFE LLC

**Analytical Method:** SWTO-15 **Datafile :** VL042203.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VL0331ABS01 | Dichlorodifluoromethane | 10 | 10.4 | ppbv | 104 | | | 70 | 130 | |
| | Chloromethane | 10 | 9.70 | ppbv | 97 | | | 70 | 130 | |
| | Vinyl Chloride | 10 | 8.70 | ppbv | 87 | | | 70 | 130 | |
| | Bromomethane | 10 | 9.10 | ppbv | 91 | | | 70 | 130 | |
| | Chloroethane | 10 | 9.30 | ppbv | 93 | | | 70 | 130 | |
| | Tetrahydrofuran | 10 | 9.30 | ppbv | 93 | | | 70 | 130 | |
| | Trichlorofluoromethane | 10 | 10.3 | ppbv | 103 | | | 70 | 130 | |
| | 1,1,2-Trichlorotrifluoroethane | 10 | 9.70 | ppbv | 97 | | | 70 | 130 | |
| | Dichlorotetrafluoethane | 10 | 10.3 | ppbv | 103 | | | 70 | 130 | |
| | tert-Butyl Alcohol | 10 | 9.00 | ppbv | 90 | | | 70 | 130 | |
| | Heptane | 10 | 9.20 | ppbv | 92 | | | 70 | 130 | |
| | 1,1-Dichloroethene | 10 | 9.20 | ppbv | 92 | | | 70 | 130 | |
| | Acetone | 10 | 8.90 | ppbv | 89 | | | 70 | 130 | |
| | Carbon disulfide | 10 | 9.30 | ppbv | 93 | | | 70 | 130 | |
| | Methyl tert-butyl Ether | 10 | 11.0 | ppbv | 110 | | | 70 | 130 | |
| | Methylene Chloride | 10 | 8.40 | ppbv | 84 | | | 70 | 130 | |
| | trans-1,2-Dichloroethene | 10 | 9.20 | ppbv | 92 | | | 70 | 130 | |
| | 1,1-Dichloroethane | 10 | 10.0 | ppbv | 100 | | | 70 | 130 | |
| | Cyclohexane | 10 | 9.40 | ppbv | 94 | | | 70 | 130 | |
| | 2-Butanone | 10 | 9.50 | ppbv | 95 | | | 70 | 130 | |
| | Carbon Tetrachloride | 10 | 10.6 | ppbv | 106 | | | 70 | 130 | |
| | cis-1,2-Dichloroethene | 10 | 10.0 | ppbv | 100 | | | 70 | 130 | |
| | Chloroform | 10 | 10.6 | ppbv | 106 | | | 70 | 130 | |
| | 1,1,1-Trichloroethane | 10 | 9.80 | ppbv | 98 | | | 70 | 130 | |
| | 2,2,4-Trimethylpentane | 10 | 9.50 | ppbv | 95 | | | 70 | 130 | |
| | Benzene | 10 | 9.80 | ppbv | 98 | | | 70 | 130 | |
| | 1,2-Dichloroethane | 10 | 11.0 | ppbv | 110 | | | 70 | 130 | |
| | Trichloroethene | 10 | 9.70 | ppbv | 97 | | | 70 | 130 | |
| | 1,2-Dichloropropane | 10 | 9.70 | ppbv | 97 | | | 70 | 130 | |
| | Bromodichloromethane | 10 | 10.8 | ppbv | 108 | | | 70 | 130 | |
| | 4-Methyl-2-Pentanone | 10 | 8.60 | ppbv | 86 | | | 70 | 130 | |
| | Toluene | 10 | 9.60 | ppbv | 96 | | | 70 | 130 | |
| | t-1,3-Dichloropropene | 10 | 9.10 | ppbv | 91 | | | 70 | 130 | |
| | cis-1,3-Dichloropropene | 10 | 9.40 | ppbv | 94 | | | 70 | 130 | |
| | 1,1,2-Trichloroethane | 10 | 10.2 | ppbv | 102 | | | 70 | 130 | |
| | Dibromochloromethane | 10 | 10.6 | ppbv | 106 | | | 70 | 130 | |
| | 1,2-Dibromoethane | 10 | 10.3 | ppbv | 103 | | | 70 | 130 | |
| | Tetrachloroethene | 10 | 9.00 | ppbv | 90 | | | 70 | 130 | |
| | Chlorobenzene | 10 | 10.4 | ppbv | 104 | | | 70 | 130 | |
| | Ethyl Benzene | 10 | 10.1 | ppbv | 101 | | | 70 | 130 | |
| | m/p-Xylene | 20 | 20.6 | ppbv | 103 | | | 70 | 130 | |
| | o-Xylene | 10 | 10.4 | ppbv | 104 | | | 70 | 130 | |
| | Styrene | 10 | 10.1 | ppbv | 101 | | | 70 | 130 | |
| | Bromoform | 10 | 10.3 | ppbv | 103 | | | 70 | 130 | |
| | 1,1,2,2-Tetrachloroethane | 10 | 10.4 | ppbv | 104 | | | 70 | 130 | |
| | 2-Chlorotoluene | 10 | 10.3 | ppbv | 103 | | | 70 | 130 | |
| | 1,3,5-Trimethylbenzene | 10 | 10.4 | ppbv | 104 | | | 70 | 130 | |
| | 1,2,4-Trimethylbenzene | 10 | 9.80 | ppbv | 98 | | | 70 | 130 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1649

**Client:** GFE LLC

**Analytical Method:** SWTO-15 **Datafile :** VL042203.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VL0331ABS01 | 1,3-Dichlorobenzene | 10 | 10.5 | ppbv | 105 | | | 70 | 130 | |
| | 1,4-Dichlorobenzene | 10 | 10.5 | ppbv | 105 | | | 70 | 130 | |
| | 1,2-Dichlorobenzene | 10 | 10.6 | ppbv | 106 | | | 70 | 130 | |
| | 1,2,4-Trichlorobenzene | 10 | 9.30 | ppbv | 93 | | | 70 | 130 | |
| | Hexachloro-1,3-butadiene | 10 | 8.40 | ppbv | 84 | | | 70 | 130 | |
| | Naphthalene | 10 | 9.50 | ppbv | 95 | | | 70 | 130 | |
| | 1,3-Butadiene | 10 | 8.70 | ppbv | 87 | | | 70 | 130 | |
| | 4-Ethyltoluene | 10 | 10.5 | ppbv | 105 | | | 70 | 130 | |
| | Hexane | 10 | 9.50 | ppbv | 95 | | | 70 | 130 | |
| | Allyl Chloride | 10 | 8.90 | ppbv | 89 | | | 70 | 130 | |
| | 1,4-Dioxane | 10 | 8.90 | ppbv | 89 | | | 70 | 130 | |
| | Methyl methacrylate | 10 | 9.20 | ppbv | 92 | | | 70 | 130 | |

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# Duplicate Sample Summary

| | | |
|---|---|---|
| **Lab Sample Id :** | Q1669-06DUP | Q1669-06 |
| **Client Id :** | SSSG-DUP-1-3262025DUI | SSSG-DUP-1-3262025 |
| **DF :** | 1 | 1 |
| **Datafile :** | VL042206.D | VL042204.D |
| **Anal Date & Time :** | 03/31/2025 12:26 | 03/31/2025 11:06 |

| Parameter | Result | Result | RPD |
|---|---|---|---|
| 1,1,1-Trichloroethane | 0 | 0 | 0 |
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 |
| 1,1,2-Trichloroethane | 0 | 0 | 0 |
| 1,1,2-Trichlorotrifluoroethane | 0 | 0 | 0 |
| 1,1-Dichloroethane | 0 | 0 | 0 |
| 1,1-Dichloroethene | 0 | 0 | 0 |
| 1,2,4-Trichlorobenzene | 0 | 0 | 0 |
| 1,2,4-Trimethylbenzene | 1.3 | 1.4 | 7.4 |
| 1,2-Dibromoethane | 0 | 0 | 0 |
| 1,2-Dichlorobenzene | 0 | 0 | 0 |
| 1,2-Dichloroethane | 0 | 0 | 0 |
| 1,2-Dichloropropane | 0 | 0 | 0 |
| 1,3,5-Trimethylbenzene | 0.43 | 0.43 | 0 |
| 1,3-Butadiene | 0 | 0 | 0 |
| 1,3-Dichlorobenzene | 0 | 0 | 0 |
| 1,4-Dichlorobenzene | 0 | 0 | 0 |
| 1,4-Dioxane | 0 | 0 | 0 |
| 2,2,4-Trimethylpentane | 2.3 | 2.3 | 0 |
| 2-Butanone | 6.4 | 6.2 | 3.2 |
| 2-Chlorotoluene | 0 | 0 | 0 |
| 4-Ethyltoluene | 0.43 | 0.44 | 2.3 |
| 4-Methyl-2-Pentanone | 0.41 | 0.4 | 2.5 |
| Acetone | 22.2 | 24 | 7.8 |
| Allyl Chloride | 0 | 0 | 0 |
| Benzene | 5.8 | 5.6 | 3.5 |
| Bromodichloromethane | 0 | 0 | 0 |
| Bromoform | 0 | 0 | 0 |
| Bromomethane | 0 | 0 | 0 |
| Carbon Disulfide | 0 | 0 | 0 |
| Carbon Tetrachloride | 0.07 | 0.07 | 0 |
| | | | |

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## Duplicate Sample Summary

| | | |
|---|---|---|
| **Lab Sample Id :** | Q1669-06DUP | Q1669-06 |
| **Client Id :** | SSSG-DUP-1-3262025DUI | SSSG-DUP-1-3262025 |
| **DF :** | 1 | 1 |
| **Datafile :** | VL042206.D | VL042204.D |
| **Anal Date & Time :** | 03/31/2025 12:26 | 03/31/2025 11:06 |

| Parameter | Result | Result | RPD |
|---|---|---|---|
| Chlorobenzene | 0 | 0 | 0 |
| Chloroethane | 0 | 0 | 0 |
| Chloroform | 0 | 0 | 0 |
| Chloromethane | 0.42 | 0.43 | 2.4 |
| cis-1,2-Dichloroethene | 0 | 0 | 0 |
| cis-1,3-Dichloropropene | 0 | 0 | 0 |
| Cyclohexane | 1.5 | 1.5 | 0 |
| Dibromochloromethane | 0 | 0 | 0 |
| Dichlorodifluoromethane | 0.45 | 0.46 | 2.2 |
| Dichlorotetrafluoroethane | 0 | 0 | 0 |
| Ethyl Benzene | 1.4 | 1.3 | 7.4 |
| Heptane | 1.7 | 1.6 | 6.1 |
| Hexachloro-1,3-Butadiene | 0 | 0 | 0 |
| Hexane | 4.6 | 4.4 | 4.4 |
| m/p-Xylene | 5.1 | 5.1 | 0 |
| Methyl Methacrylate | 0 | 0 | 0 |
| Methyl tert-Butyl Ether | 0 | 0 | 0 |
| Methylene Chloride | 0.53 | 0.51 | 3.8 |
| Naphthalene | 0.37 | 0.43 | 15 |
| o-Xylene | 1.9 | 1.9 | 0 |
| Styrene | 1.4 | 1.4 | 0 |
| t-1,3-Dichloropropene | 0 | 0 | 0 |
| tert-Butyl alcohol | 0 | 0 | 0 |
| Tetrachloroethene | 0.04 | 0 | 200 * |
| Tetrahydrofuran | 1.9 | 2 | 5.1 |
| Toluene | 10 | 9.7 | 3 |
| trans-1,2-Dichloroethene | 0 | 0 | 0 |
| Trichloroethene | 0 | 0 | 0 |
| Trichlorofluoromethane | 0.19 | 0.2 | 5.1 |
| Vinyl Chloride | 0 | 0 | 0 |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0331ABL01

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1649 SAS No.: Q1649 SDG NO.: Q1649

Lab File ID: VL042202.D Lab Sample ID: VL0331ABL01

Date Analyzed: 03/31/2025 Time Analyzed: 09:34

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VL0331ABS01 | VL0331ABS01 | VL042203.D | 03/31/2025 |
| SSSG-DUP-1-3262025DUP | Q1669-06DUP | VL042206.D | 03/31/2025 |
| SV1 | Q1649-01 | VL042207.D | 03/31/2025 |
| SV2 | Q1649-02 | VL042208.D | 03/31/2025 |

COMMENTS:

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1649 SAS No.: Q1649 SDG NO.: Q1649

Lab File ID: VL042171.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:44

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 23 |
| 75 | 30.0 - 66.0% of mass 95 | 56.3 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.0 ( 0.0 ) 1 |
| 174 | 50.0 - 120.0% of mass 95 | 63.8 |
| 175 | 4.0 - 9.0% of mass 174 | 5.1 ( 8 ) 1 |
| 176 | 93.0 - 101.0% of mass 174 | 61.1 ( 95.7 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.2 ( 6.8 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICCC010 | VSTDICCC010 | VL042172.D | 03/27/2025 | 08:26 |
| VSTDICC002 | VSTDICC002 | VL042173.D | 03/27/2025 | 08:59 |
| VSTDICC001 | VSTDICC001 | VL042174.D | 03/27/2025 | 09:30 |
| VSTDICC0.5 | VSTDICC0.5 | VL042175.D | 03/27/2025 | 10:01 |
| VSTDICC0.1 | VSTDICC0.1 | VL042176.D | 03/27/2025 | 10:32 |
| VSTDICC0.03 | VSTDICC0.03 | VL042177.D | 03/27/2025 | 11:03 |
| VSTDICC015 | VSTDICC015 | VL042178.D | 03/27/2025 | 11:36 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1649 SAS No.: Q1649 SDG NO.: Q1649

Lab File ID: VL042200.D BFB Injection Date: 03/31/2025

Instrument ID: MSVOA_L BFB Injection Time: 08:09

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 25.4 |
| 75 | 30.0 - 66.0% of mass 95 | 61.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.3 ( 0.5 ) 1 |
| 174 | 50.0 - 120.0% of mass 95 | 59.4 |
| 175 | 4.0 - 9.0% of mass 174 | 4.5 ( 7.6 ) 1 |
| 176 | 93.0 - 101.0% of mass 174 | 57.9 ( 97.6 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 3.8 ( 6.6 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC010 | VSTDCCC010 | VL042201.D | 03/31/2025 | 08:51 |
| VL0331ABL01 | VL0331ABL01 | VL042202.D | 03/31/2025 | 09:34 |
| VL0331ABS01 | VL0331ABS01 | VL042203.D | 03/31/2025 | 10:17 |
| SSSG-DUP-1-3262025DUP | Q1669-06DUP | VL042206.D | 03/31/2025 | 12:26 |
| SV1 | Q1649-01 | VL042207.D | 03/31/2025 | 13:05 |
| SV2 | Q1649-02 | VL042208.D | 03/31/2025 | 13:36 |

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## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1649 SAS No.: Q1649 SDG NO.: Q1649

Lab File ID: VL042201.D Date Analyzed: 03/31/2025

Instrument ID: MSVOA_L Time Analyzed: 08:51

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 161478 | 2.80 | 460403 | 3.98 | 424671 | 8.90 |
| UPPER LIMIT | 226069 | 3.13 | 644564 | 4.31 | 594539 | 9.23 |
| LOWER LIMIT | 96886.8 | 2.47 | 276242 | 3.65 | 254803 | 8.57 |
| EPA SAMPLE NO. | | | | | | |
| SV1 | 188990 | 2.80 | 532030 | 3.98 | 474470 | 8.90 |
| SV2 | 185856 | 2.81 | 529863 | 3.99 | 478116 | 8.91 |
| SSSG-DUP-1-3262025DUP | 184777 | 2.81 | 533717 | 3.99 | 486289 | 8.91 |
| VL0331ABL01 | 181807 | 2.80 | 517775 | 3.98 | 464953 | 8.90 |
| VL0331ABS01 | 175685 | 2.80 | 498986 | 3.98 | 456400 | 8.90 |

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area
AREA LOWER LIMIT = -40% of internal standard area
RT UPPER LIMIT = +0.33 minutes of internal standard RT
RT LOWER LIMIT = -0.33 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

# QC SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | |
| Project: | 223 W. 29th St NY, NY | Date Received: | |
| Client Sample ID: | VL0331ABL01 | SDG No.: | Q1649 |
| Lab Sample ID: | VL0331ABL01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042202.D | 1 | | 03/31/25 09:34 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.21 | 1.04 | U | 1.04 | 2.47 | ug/m3 |
| 74-87-3 | Chloromethane | 0.10 | 0.21 | U | 0.21 | 1.03 | ug/m3 |
| 75-01-4 | Vinyl Chloride | 0.010 | 0.030 | U | 0.030 | 0.080 | ug/m3 |
| 74-83-9 | Bromomethane | 0.14 | 0.54 | U | 0.54 | 1.94 | ug/m3 |
| 75-00-3 | Chloroethane | 0.17 | 0.45 | U | 0.45 | 1.32 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | 0.13 | 0.38 | U | 0.38 | 1.47 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | 0.16 | 0.90 | U | 0.90 | 2.81 | ug/m3 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.16 | 1.23 | U | 1.23 | 3.83 | ug/m3 |
| 76-14-2 | Dichlorotetrafluoroethane | 0.090 | 0.63 | U | 0.63 | 3.49 | ug/m3 |
| 75-65-0 | tert-Butyl alcohol | 0.19 | 0.58 | U | 0.58 | 1.52 | ug/m3 |
| 142-82-5 | Heptane | 0.11 | 0.45 | U | 0.45 | 2.05 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethene | 0.14 | 0.56 | U | 0.56 | 1.98 | ug/m3 |
| 67-64-1 | Acetone | 0.24 | 0.57 | U | 0.57 | 1.19 | ug/m3 |
| 75-15-0 | Carbon Disulfide | 0.16 | 0.50 | U | 0.50 | 1.56 | ug/m3 |
| 1634-04-4 | Methyl tert-Butyl Ether | 0.12 | 0.43 | U | 0.43 | 1.80 | ug/m3 |
| 75-09-2 | Methylene Chloride | 0.19 | 0.66 | U | 0.66 | 1.74 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethene | 0.19 | 0.75 | U | 0.75 | 1.98 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | 0.13 | 0.53 | U | 0.53 | 2.02 | ug/m3 |
| 110-82-7 | Cyclohexane | 0.22 | 0.76 | U | 0.76 | 1.72 | ug/m3 |
| 78-93-3 | 2-Butanone | 0.12 | 0.35 | U | 0.35 | 1.47 | ug/m3 |
| 56-23-5 | Carbon Tetrachloride | 0.010 | 0.060 | U | 0.060 | 0.19 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethene | 0.090 | 0.36 | U | 0.36 | 1.98 | ug/m3 |
| 67-66-3 | Chloroform | 0.080 | 0.39 | U | 0.39 | 2.44 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | 0.010 | 0.050 | U | 0.050 | 0.16 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | 0.10 | 0.47 | U | 0.47 | 2.34 | ug/m3 |
| 71-43-2 | Benzene | 0.090 | 0.29 | U | 0.29 | 1.60 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | 0.090 | 0.36 | U | 0.36 | 2.02 | ug/m3 |
| 79-01-6 | Trichloroethene | 0.020 | 0.11 | U | 0.11 | 0.16 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | 0.11 | 0.51 | U | 0.51 | 2.31 | ug/m3 |
| 75-27-4 | Bromodichloromethane | 0.080 | 0.54 | U | 0.54 | 3.35 | ug/m3 |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.090 | 0.37 | U | 0.37 | 2.05 | ug/m3 |
| 108-88-3 | Toluene | 0.11 | 0.41 | U | 0.41 | 1.88 | ug/m3 |
| 10061-02-6 | t-1,3-Dichloropropene | 0.060 | 0.27 | U | 0.27 | 2.27 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.060 | 0.27 | U | 0.27 | 2.27 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | 0.070 | 0.38 | U | 0.38 | 2.73 | ug/m3 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | |
| Project: | 223 W. 29th St NY, NY | Date Received: | |
| Client Sample ID: | VL0331ABL01 | SDG No.: | Q1649 |
| Lab Sample ID: | VL0331ABL01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042202.D | 1 | | 03/31/25 09:34 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.070 | 0.60 | U | 0.60 | 4.26 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane | 0.070 | 0.54 | U | 0.54 | 0.77 | ug/m3 |
| 127-18-4 | Tetrachloroethene | 0.020 | 0.14 | U | 0.14 | 0.20 | ug/m3 |
| 108-90-7 | Chlorobenzene | 0.080 | 0.37 | U | 0.37 | 2.30 | ug/m3 |
| 100-41-4 | Ethyl Benzene | 0.12 | 0.52 | U | 0.52 | 2.17 | ug/m3 |
| 179601-23-1 | m/p-Xylene | 0.21 | 0.91 | U | 0.91 | 4.34 | ug/m3 |
| 95-47-6 | o-Xylene | 0.12 | 0.52 | U | 0.52 | 2.17 | ug/m3 |
| 100-42-5 | Styrene | 0.11 | 0.47 | U | 0.47 | 2.13 | ug/m3 |
| 75-25-2 | Bromoform | 0.060 | 0.62 | U | 0.62 | 5.17 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.010 | 0.070 | U | 0.070 | 0.21 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | 0.11 | 0.57 | U | 0.57 | 2.59 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.11 | 0.54 | U | 0.54 | 2.46 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.080 | 0.39 | U | 0.39 | 2.46 | ug/m3 |
| 541-73-1 | 1,3-Dichlorobenzene | 0.080 | 0.48 | U | 0.48 | 3.01 | ug/m3 |
| 106-46-7 | 1,4-Dichlorobenzene | 0.050 | 0.30 | U | 0.30 | 3.01 | ug/m3 |
| 95-50-1 | 1,2-Dichlorobenzene | 0.080 | 0.48 | U | 0.48 | 3.01 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.090 | 0.67 | U | 0.67 | 3.71 | ug/m3 |
| 87-68-3 | Hexachloro-1,3-Butadiene | 0.090 | 0.96 | U | 0.96 | 5.33 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | 0.13 | 0.29 | U | 0.29 | 1.11 | ug/m3 |
| 91-20-3 | Naphthalene | 0.080 | 0.42 | U | 0.42 | 0.52 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | 0.12 | 0.59 | U | 0.59 | 2.46 | ug/m3 |
| 110-54-3 | Hexane | 0.11 | 0.39 | U | 0.39 | 1.76 | ug/m3 |
| 107-05-1 | Allyl Chloride | 0.15 | 0.47 | U | 0.47 | 1.57 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | 0.21 | 0.76 | U | 0.76 | 1.80 | ug/m3 |
| 80-62-6 | Methyl Methacrylate | 0.090 | 0.37 | U | 0.37 | 2.05 | ug/m3 |
| **SURROGATES** | | | | | | | |
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 9.90 | | | 65 - 135 | 99% | SPK: 10 |
| **INTERNAL STANDARDS** | | | | | | | |
| 74-97-5 | Bromochloromethane | 182000 | | 2.8 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 518000 | | 3.981 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 465000 | | 8.901 | | | |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | |
| Project: | 223 W. 29th St NY, NY | Date Received: | |
| Client Sample ID: | VL0331ABL01 | SDG No.: | Q1649 |
| Lab Sample ID: | VL0331ABL01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042202.D | 1 | | 03/31/25 09:34 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | |
| Project: | 223 W. 29th St NY, NY | Date Received: | |
| Client Sample ID: | VL0331ABS01 | SDG No.: | Q1649 |
| Lab Sample ID: | VL0331ABS01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042203.D | 1 | | 03/31/25 10:17 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 10.4 | 51.4 | | 1.04 | 2.47 | ug/m3 |
| 74-87-3 | Chloromethane | 9.70 | 20.0 | | 0.21 | 1.03 | ug/m3 |
| 75-01-4 | Vinyl Chloride | 8.70 | 22.2 | | 0.030 | 0.080 | ug/m3 |
| 74-83-9 | Bromomethane | 9.10 | 35.3 | | 0.54 | 1.94 | ug/m3 |
| 75-00-3 | Chloroethane | 9.30 | 24.5 | | 0.45 | 1.32 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | 9.30 | 27.4 | | 0.38 | 1.47 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | 10.3 | 57.9 | | 0.90 | 2.81 | ug/m3 |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 9.70 | 74.3 | | 1.23 | 3.83 | ug/m3 |
| 76-14-2 | Dichlorotetrafluoroethane | 10.3 | 72.0 | | 0.63 | 3.49 | ug/m3 |
| 75-65-0 | tert-Butyl alcohol | 9.00 | 27.3 | | 0.58 | 1.52 | ug/m3 |
| 142-82-5 | Heptane | 9.20 | 37.7 | | 0.45 | 2.05 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethene | 9.20 | 36.5 | | 0.56 | 1.98 | ug/m3 |
| 67-64-1 | Acetone | 8.90 | 21.1 | | 0.57 | 1.19 | ug/m3 |
| 75-15-0 | Carbon Disulfide | 9.30 | 29.0 | | 0.50 | 1.56 | ug/m3 |
| 1634-04-4 | Methyl tert-Butyl Ether | 11.0 | 39.7 | | 0.43 | 1.80 | ug/m3 |
| 75-09-2 | Methylene Chloride | 8.40 | 29.2 | | 0.66 | 1.74 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethene | 9.20 | 36.5 | | 0.75 | 1.98 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | 10.0 | 40.5 | | 0.53 | 2.02 | ug/m3 |
| 110-82-7 | Cyclohexane | 9.40 | 32.4 | | 0.76 | 1.72 | ug/m3 |
| 78-93-3 | 2-Butanone | 9.50 | 28.0 | | 0.35 | 1.47 | ug/m3 |
| 56-23-5 | Carbon Tetrachloride | 10.6 | 66.7 | | 0.060 | 0.19 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethene | 10.0 | 39.6 | | 0.36 | 1.98 | ug/m3 |
| 67-66-3 | Chloroform | 10.6 | 51.8 | | 0.39 | 2.44 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.80 | 53.5 | | 0.050 | 0.16 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | 9.50 | 44.4 | | 0.47 | 2.34 | ug/m3 |
| 71-43-2 | Benzene | 9.80 | 31.3 | | 0.29 | 1.60 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | 11.0 | 44.5 | | 0.36 | 2.02 | ug/m3 |
| 79-01-6 | Trichloroethene | 9.70 | 52.1 | | 0.11 | 0.16 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | 9.70 | 44.8 | | 0.51 | 2.31 | ug/m3 |
| 75-27-4 | Bromodichloromethane | 10.8 | 72.3 | | 0.54 | 3.35 | ug/m3 |
| 108-10-1 | 4-Methyl-2-Pentanone | 8.60 | 35.2 | | 0.37 | 2.05 | ug/m3 |
| 108-88-3 | Toluene | 9.60 | 36.2 | | 0.41 | 1.88 | ug/m3 |
| 10061-02-6 | t-1,3-Dichloropropene | 9.10 | 41.3 | | 0.27 | 2.27 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | 9.40 | 42.7 | | 0.27 | 2.27 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.2 | 55.6 | | 0.38 | 2.73 | ug/m3 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | |
| Project: | 223 W. 29th St NY, NY | Date Received: | |
| Client Sample ID: | VL0331ABS01 | SDG No.: | Q1649 |
| Lab Sample ID: | VL0331ABS01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042203.D | 1 | | 03/31/25 10:17 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 10.6 | 90.3 | | 0.60 | 4.26 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane | 10.3 | 79.2 | | 0.54 | 0.77 | ug/m3 |
| 127-18-4 | Tetrachloroethene | 9.00 | 61.0 | | 0.14 | 0.20 | ug/m3 |
| 108-90-7 | Chlorobenzene | 10.4 | 47.9 | | 0.37 | 2.30 | ug/m3 |
| 100-41-4 | Ethyl Benzene | 10.1 | 43.9 | | 0.52 | 2.17 | ug/m3 |
| 179601-23-1 | m/p-Xylene | 20.6 | 89.5 | | 0.91 | 4.34 | ug/m3 |
| 95-47-6 | o-Xylene | 10.4 | 45.2 | | 0.52 | 2.17 | ug/m3 |
| 100-42-5 | Styrene | 10.1 | 43.0 | | 0.47 | 2.13 | ug/m3 |
| 75-25-2 | Bromoform | 10.3 | 107 | | 0.62 | 5.17 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.4 | 71.4 | | 0.070 | 0.21 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 53.3 | | 0.57 | 2.59 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.4 | 51.1 | | 0.54 | 2.46 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 9.80 | 48.2 | | 0.39 | 2.46 | ug/m3 |
| 541-73-1 | 1,3-Dichlorobenzene | 10.5 | 63.1 | | 0.48 | 3.01 | ug/m3 |
| 106-46-7 | 1,4-Dichlorobenzene | 10.5 | 63.1 | | 0.30 | 3.01 | ug/m3 |
| 95-50-1 | 1,2-Dichlorobenzene | 10.6 | 63.7 | | 0.48 | 3.01 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 9.30 | 69.0 | | 0.67 | 3.71 | ug/m3 |
| 87-68-3 | Hexachloro-1,3-Butadiene | 8.40 | 89.6 | | 0.96 | 5.33 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | 8.70 | 19.3 | | 0.29 | 1.11 | ug/m3 |
| 91-20-3 | Naphthalene | 9.50 | 49.8 | | 0.42 | 0.52 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | 10.5 | 51.6 | | 0.59 | 2.46 | ug/m3 |
| 110-54-3 | Hexane | 9.50 | 33.5 | | 0.39 | 1.76 | ug/m3 |
| 107-05-1 | Allyl Chloride | 8.90 | 27.9 | | 0.47 | 1.57 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | 8.90 | 32.1 | | 0.76 | 1.80 | ug/m3 |
| 80-62-6 | Methyl Methacrylate | 9.20 | 37.7 | | 0.37 | 2.05 | ug/m3 |
| **SURROGATES** | | | | | | | |
| 460-00-4 | 1-Bromo-4-Fluorobenzene | 10.3 | | | 65 - 135 | 103% | SPK: 10 |
| **INTERNAL STANDARDS** | | | | | | | |
| 74-97-5 | Bromochloromethane | 176000 | 2.803 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 499000 | 3.981 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 456000 | 8.904 | | | | |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | GFE LLC | Date Collected: | |
| Project: | 223 W. 29th St NY, NY | Date Received: | |
| Client Sample ID: | VL0331ABS01 | SDG No.: | Q1649 |
| Lab Sample ID: | VL0331ABS01 | Matrix: | Air |
| Analytical Method: | TO-15 | Test: | TO-15 |
| Sample Wt/Vol: | 400 Units: mL | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VL042203.D | 1 | | 03/31/25 10:17 | VL033125 |

| CAS Number | Parameter | Conc. ppbv | Conc. ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements

# CALIBRATION SUMMARY

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042177.D 0.1 =VL042176.D 0.5 =VL042175.D 1 =VL042174.D 2 =VL042173.D 10 =VL042172.D 15 =VL042178.D

| | | Compound | 0.03 | 0.1 | 0.5 | 1 | 2 | 10 | 15 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Bromochloromethane | ----------ISTD---------- | | | | | | | | |
| 2) | T | Dichlorodifluo... | | | 1.602 | 1.514 | 1.482 | 1.404 | 1.380 | 1.476 | 6.03 |
| 3) | | Chlorodifluoro... | | | 1.622 | 1.541 | 1.514 | 1.457 | 1.408 | 1.508 | 5.41 |
| 4) | | Chloromethane | | | 0.660 | 0.597 | 0.618 | 0.573 | 0.570 | 0.603 | 6.17 |
| 5) | T | Vinyl Chloride | 0.882 | 0.705 | 0.635 | 0.576 | 0.584 | 0.549 | 0.546 | 0.639 | 18.84 |
| 6) | T | Bromomethane | | | 0.327 | 0.268 | 0.266 | 0.256 | 0.250 | 0.273 | 11.20 |
| 7) | | Chloroethane | | | 0.286 | 0.248 | 0.223 | 0.227 | 0.226 | 0.242 | 10.92 |
| 8) | T | Dichlorotetraf... | | | 1.306 | 1.283 | 1.274 | 1.214 | 1.211 | 1.257 | 3.40 |
| 9) | T | Propene | | | 0.734 | 0.736 | 0.698 | 0.660 | 0.630 | 0.691 | 6.69 |
| 10) | T | Heptane | | | 1.847 | 1.940 | 1.897 | 1.792 | 1.719 | 1.839 | 4.73 |
| 11) | T | Trichlorofluor... | | | 1.562 | 1.457 | 1.480 | 1.339 | 1.346 | 1.437 | 6.59 |
| 12) | T | 1,1,2-Trichlor... | | | 1.247 | 1.215 | 1.188 | 1.120 | 1.135 | 1.181 | 4.52 |
| 13) | | Ethanol | | | 0.110 | 0.086 | 0.073 | 0.029 | 0.028 | 0.065 | 55.48 |
| 14) | T | Bromoethene | | | 0.529 | 0.447 | 0.460 | 0.417 | 0.409 | 0.452 | 10.47 |
| 15) | T | Acetone | | | 1.699 | 1.573 | 1.469 | 1.113 | 1.139 | 1.399 | 18.73 |
| 16) | T | 1,3-Butadiene | | | 0.952 | 0.705 | 0.608 | 0.573 | 0.577 | 0.683 | 23.38 |
| 17) | | tert-Butyl alc... | | | 1.935 | 1.799 | 1.756 | 1.618 | 1.601 | 1.742 | 7.91 |
| 18) | T | 1,1-Dichloroet... | | | 0.624 | 0.565 | 0.560 | 0.504 | 0.507 | 0.552 | 8.99 |
| 19) | T | Isopropyl Alcohol | | | 1.016 | 0.800 | 0.738 | 0.702 | 0.689 | 0.789 | 16.99 |
| 20) | T | Methylene Chlo... | | | 0.624 | 0.563 | 0.545 | 0.438 | 0.435 | 0.521 | 15.85 |
| 21) | T | Allyl Chloride | | | 1.067 | 1.022 | 1.020 | 0.902 | 0.921 | 0.986 | 7.25 |
| 22) | T | trans-1,2-Dich... | | | 0.704 | 0.701 | 0.621 | 0.590 | 0.575 | 0.638 | 9.56 |
| 23) | T | Vinyl Acetate | | | 0.754 | 0.692 | 0.550 | 0.498 | 0.532 | 0.605 | 18.40 |
| 24) | T | 1,1-Dichloroet... | | | 1.247 | 1.208 | 1.187 | 1.122 | 1.149 | 1.183 | 4.17 |
| 25) | T | Ethyl Acetate | | | 4.017 | 3.619 | 3.703 | 3.457 | 3.353 | 3.630 | 7.06 |
| 26) | T | Hexane | | | 1.507 | 1.462 | 1.383 | 1.333 | 1.325 | 1.402 | 5.71 |
| 27) | T | Carbon Disulfide | | | 1.608 | 1.512 | 1.538 | 1.436 | 1.423 | 1.503 | 5.07 |
| 28) | T | Methyl tert-Bu... | | | 0.921 | 0.886 | 0.894 | 0.831 | 0.832 | 0.873 | 4.56 |
| 29) | T | Chloroform | | | 2.233 | 2.068 | 2.071 | 1.932 | 1.956 | 2.052 | 5.81 |
| 30) | T | Cyclohexane | | | 1.337 | 1.238 | 1.211 | 1.162 | 1.140 | 1.217 | 6.33 |
| 31) | T | cis-1,2-Dichlo... | | | 1.507 | 1.460 | 1.426 | 1.371 | 1.353 | 1.423 | 4.44 |
| 32) | T | 1,1,1-Trichlor... | 3.151 | 2.495 | 2.279 | 2.201 | 2.152 | 2.062 | 2.105 | 2.349 | 16.23 |
| 33) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | | |
| 34) | T | 2-Butanone | | | 0.754 | 0.771 | 0.770 | 0.667 | 0.664 | 0.725 | 7.58 |
| 35) | T | Carbon Tetrach... | 1.069 | 0.782 | 0.709 | 0.732 | 0.748 | 0.703 | 0.725 | 0.781 | 16.60 |
| 36) | T | Benzene | | | 1.049 | 1.027 | 1.013 | 0.934 | 0.934 | 0.991 | 5.47 |
| 37) | T | 1,2-Dichloroet... | | | 0.613 | 0.569 | 0.563 | 0.537 | 0.556 | 0.568 | 4.95 |
| 38) | T | Trichloroethene | 0.463 | 0.437 | 0.438 | 0.408 | 0.398 | 0.374 | 0.378 | 0.414 | 8.00 |
| 39) | T | 1,2-Dichloropr... | | | 0.386 | 0.373 | 0.365 | 0.337 | 0.344 | 0.361 | 5.68 |

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL032725AIR.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 40) | T | 1,4-Dioxane | | | 0.234 | 0.197 | 0.191 | 0.169 | 0.167 | 0.192 | 14.08 |
| 41) | T | Tetrahydrofuran | | | 0.439 | 0.425 | 0.432 | 0.398 | 0.393 | 0.418 | 4.98 |
| 42) | T | Bromodichlorom... | | | 0.778 | 0.779 | 0.802 | 0.769 | 0.785 | 0.782 | 1.58 |
| 43) | | Methyl Methacr... | | | 0.442 | 0.451 | 0.408 | 0.403 | 0.394 | 0.420 | 6.03 |
| 44) | T | 2,2,4-Trimethy... | | | 1.781 | 1.689 | 1.723 | 1.608 | 1.576 | 1.675 | 5.00 |
| 45) | T | t-1,3-Dichloro... | | | 0.474 | 0.447 | 0.453 | 0.439 | 0.440 | 0.450 | 3.15 |
| 46) | T | cis-1,3-Dichlo... | | | 0.549 | 0.560 | 0.566 | 0.550 | 0.535 | 0.552 | 2.12 |
| 47) | T | 1,1,2-Trichlor... | | | 0.419 | 0.382 | 0.379 | 0.364 | 0.365 | 0.382 | 5.88 |
| 48) | T | Dibromochlorom... | | | 0.651 | 0.641 | 0.663 | 0.636 | 0.644 | 0.647 | 1.62 |
| 49) | T | Bromoform | | | 0.566 | 0.588 | 0.597 | 0.582 | 0.570 | 0.581 | 2.18 |
| 50) | T | 4-Methyl-2-Pen... | | | 1.286 | 1.214 | 1.211 | 1.027 | 1.008 | 1.149 | 10.79 |
| 51) | T | 2-Hexanone | | | 0.999 | 1.018 | 1.031 | 0.844 | 0.827 | 0.944 | 10.56 |
| 52) | T | Tetrachloroethene | 0.572 | 0.359 | 0.401 | 0.361 | 0.371 | 0.343 | 0.345 | 0.393 | 20.64 |
| 53) | T | Toluene | | | 1.239 | 1.203 | 1.202 | 1.125 | 1.108 | 1.175 | 4.76 |
| 54) | T | 1,2-Dibromoethane | | 0.574 | 0.543 | 0.538 | 0.520 | 0.508 | 0.510 | 0.532 | 4.74 |
| 55) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | | |
| 56) | | 1,1,1,2-Tetrac... | | | 0.576 | 0.575 | 0.576 | 0.510 | 0.515 | 0.550 | 6.30 |
| 57) | T | Chlorobenzene | | | 1.024 | 0.979 | 0.994 | 0.875 | 0.871 | 0.949 | 7.46 |
| 58) | T | Ethyl Benzene | | | 1.850 | 1.822 | 1.894 | 1.671 | 1.645 | 1.776 | 6.28 |
| 59) | T | m/p-Xylene | | | 1.505 | 1.472 | 1.484 | 1.321 | 1.309 | 1.418 | 6.71 |
| 60) | T | o-Xylene | | | 1.521 | 1.475 | 1.499 | 1.328 | 1.287 | 1.422 | 7.50 |
| 61) | T | Styrene | | | 0.709 | 0.722 | 0.735 | 0.683 | 0.668 | 0.703 | 3.92 |
| 62) | | Isopropylbenzene | | | 2.290 | 2.199 | 2.261 | 1.962 | 1.920 | 2.126 | 8.14 |
| 63) | T | 1,1,2,2-Tetrac... | 0.986 | 0.800 | 0.907 | 0.889 | 0.893 | 0.796 | 0.777 | 0.864 | 8.78 |
| 64) | | n-propylbenzene | | | 0.578 | 0.581 | 0.576 | 0.499 | 0.502 | 0.547 | 7.81 |
| 65) | | tert-Butylbenzene | | | 2.190 | 2.071 | 2.144 | 1.736 | 1.691 | 1.966 | 11.96 |
| 66) | T | Benzyl Chloride | | | 0.217 | 0.213 | 0.221 | 0.203 | 0.189 | 0.209 | 6.06 |
| 67) | | sec-Butylbenzene | | | 3.005 | 2.994 | 2.947 | 2.404 | 2.316 | 2.733 | 12.54 |
| 68) | S | 1-Bromo-4-Fluo... | 0.820 | 0.827 | 0.832 | 0.810 | 0.828 | 0.813 | 0.820 | 0.821 | 0.98 |
| 69) | | p-Isopropyltol... | | | 2.554 | 2.551 | 2.560 | 2.078 | 2.025 | 2.354 | 11.74 |
| 70) | | n-Butylbenzene | | | 2.536 | 2.598 | 2.682 | 2.137 | 2.082 | 2.407 | 11.51 |
| 71) | | 2-Chlorotoluene | | | 1.717 | 1.728 | 1.759 | 1.538 | 1.510 | 1.650 | 7.07 |
| 72) | T | 4-Ethyltoluene | | | 1.834 | 1.859 | 1.929 | 1.629 | 1.601 | 1.770 | 8.26 |
| 73) | T | 1,3,5-Trimethy... | | | 1.616 | 1.671 | 1.677 | 1.387 | 1.381 | 1.546 | 9.71 |
| 74) | T | 1,2,4-Trimethy... | | | 1.994 | 1.958 | 1.966 | 1.510 | 1.478 | 1.781 | 14.74 |
| 75) | T | 1,3-Dichlorobe... | | | 1.036 | 1.022 | 1.063 | 0.882 | 0.882 | 0.977 | 8.99 |
| 76) | T | 1,4-Dichlorobe... | | | 1.030 | 1.017 | 1.040 | 0.888 | 0.886 | 0.972 | 8.05 |
| 77) | T | 1,2-Dichlorobe... | | | 1.012 | 1.031 | 1.014 | 0.850 | 0.850 | 0.951 | 9.78 |
| 78) | T | Hexachloro-1,3... | | | 1.057 | 1.113 | 1.086 | 0.802 | 0.784 | 0.968 | 16.65 |
| 79) | T | Naphthalene | | 1.637 | 1.979 | 2.181 | 2.314 | 1.806 | 1.773 | 1.948 | 13.31 |
| 80) | T | Naphthalene,2-... | | | 0.721 | 0.891 | 1.163 | 0.990 | 1.013 | 0.955 | 17.09 |
| 81) | T | 1,2,4-Trichlor... | | | 0.821 | 0.941 | 1.028 | 0.859 | 0.843 | 0.899 | 9.51 |

(#) = Out of Range

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1649 SAS No.: Q1649 SDG No.: Q1649

Instrument ID: MSVOA_L Calibration Date/Time: 03/31/2025 08:51

Lab File ID: VL042201.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

| COMPOUND | RRF | RRF010 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 1.476 | 1.509 | | 2.24 | 30 |
| Chloromethane | 0.603 | 0.570 | | -5.47 | 30 |
| Vinyl Chloride | 0.639 | 0.550 | | -13.93 | 30 |
| Bromomethane | 0.273 | 0.252 | | -7.69 | 30 |
| Chloroethane | 0.242 | 0.221 | | -8.68 | 30 |
| Tetrahydrofuran | 0.418 | 0.371 | | -11.24 | 30 |
| Trichlorofluoromethane | 1.437 | 1.435 | | -0.14 | 30 |
| 1,1,2-Trichlorotrifluoroethane | 1.181 | 1.132 | | -4.15 | 30 |
| Dichlorotetrafluoroethane | 1.257 | 1.261 | | 0.32 | 30 |
| tert-Butyl alcohol | 1.742 | 1.563 | | -10.28 | 30 |
| Heptane | 1.839 | 1.622 | | -11.8 | 30 |
| 1,1-Dichloroethene | 0.552 | 0.513 | | -7.07 | 30 |
| Acetone | 1.399 | 1.200 | | -14.22 | 30 |
| Carbon Disulfide | 1.503 | 1.425 | | -5.19 | 30 |
| Methyl tert-Butyl Ether | 0.873 | 1.103 | | 26.35 | 30 |
| Methylene Chloride | 0.521 | 0.420 | | -19.39 | 30 |
| trans-1,2-Dichloroethene | 0.638 | 0.569 | | -10.81 | 30 |
| 1,1-Dichloroethane | 1.183 | 1.151 | | -2.7 | 30 |
| Cyclohexane | 1.217 | 1.115 | | -8.38 | 30 |
| 2-Butanone | 0.725 | 0.655 | | -9.65 | 30 |
| Carbon Tetrachloride | 0.781 | 0.807 | | 3.33 | 30 |
| cis-1,2-Dichloroethene | 1.423 | 1.359 | | -4.5 | 30 |
| Chloroform | 2.052 | 2.093 | | 2 | 30 |
| 1,1,1-Trichloroethane | 2.349 | 2.228 | | -5.15 | 30 |
| 2,2,4-Trimethylpentane | 1.675 | 1.532 | | -8.54 | 30 |
| Benzene | 0.991 | 0.927 | | -6.46 | 30 |
| 1,2-Dichloroethane | 0.568 | 0.593 | | 4.4 | 30 |
| Trichloroethene | 0.414 | 0.391 | | -5.56 | 30 |
| 1,2-Dichloropropane | 0.361 | 0.333 | | -7.76 | 30 |
| Bromodichloromethane | 0.782 | 0.811 | | 3.71 | 30 |
| 4-Methyl-2-Pentanone | 1.149 | 0.949 | | -17.41 | 30 |
| Toluene | 1.175 | 1.070 | | -8.94 | 30 |
| t-1,3-Dichloropropene | 0.450 | 0.413 | | -8.22 | 30 |
| cis-1,3-Dichloropropene | 0.552 | 0.505 | | -8.51 | 30 |
| 1,1,2-Trichloroethane | 0.382 | 0.366 | | -4.19 | 30 |
| Dibromochloromethane | 0.647 | 0.659 | | 1.86 | 30 |
| 1,2-Dibromoethane | 0.532 | 0.520 | | -2.26 | 30 |
| Tetrachloroethene | 0.393 | 0.337 | | -14.25 | 30 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922



## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1649 SAS No.: Q1649 SDG No.: Q1649

Instrument ID: MSVOA_L Calibration Date/Time: 03/31/2025 08:51

Lab File ID: VL042201.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

| COMPOUND | RRF | RRF010 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Chlorobenzene | 0.949 | 0.917 | | -3.37 | 30 |
| Ethyl Benzene | 1.776 | 1.678 | | -5.52 | 30 |
| m/p-Xylene | 1.418 | 1.371 | | -3.32 | 30 |
| o-Xylene | 1.422 | 1.355 | | -4.71 | 30 |
| Styrene | 0.703 | 0.663 | | -5.69 | 30 |
| Bromoform | 0.581 | 0.568 | | -2.24 | 30 |
| 1,1,2,2-Tetrachloroethane | 0.864 | 0.822 | | -4.86 | 30 |
| 2-Chlorotoluene | 1.650 | 1.593 | | -3.45 | 30 |
| 1,3,5-Trimethylbenzene | 1.546 | 1.501 | | -2.91 | 30 |
| 1,2,4-Trimethylbenzene | 1.781 | 1.639 | | -7.97 | 30 |
| 1,3-Dichlorobenzene | 0.977 | 0.967 | | -1.02 | 30 |
| 1,4-Dichlorobenzene | 0.972 | 0.974 | | 0.21 | 30 |
| 1,2-Dichlorobenzene | 0.951 | 0.940 | | -1.16 | 30 |
| 1,2,4-Trichlorobenzene | 0.899 | 0.879 | | -2.22 | 30 |
| Hexachloro-1,3-Butadiene | 0.968 | 0.813 | | -16.01 | 30 |
| 1,3-Butadiene | 0.683 | 0.595 | | -12.88 | 30 |
| Naphthalene | 1.948 | 1.962 | | 0.72 | 30 |
| 4-Ethyltoluene | 1.770 | 1.731 | | -2.2 | 30 |
| 1-Bromo-4-Fluorobenzene | 0.821 | 0.837 | | 1.95 | 30 |
| Hexane | 1.402 | 1.295 | | -7.63 | 30 |
| Allyl Chloride | 0.986 | 0.895 | | -9.23 | 30 |
| 1,4-Dioxane | 191.626 | 167.508 | | -12.59 | 30 |
| Methyl Methacrylate | 0.420 | 0.370 | | -11.9 | 30 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

# SHIPPING DOCUMENTS

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

**CHEMTECH Project No. :** Q1649

6

6.1

| | | | |
|---|---|---|---|
| Client Contact Information | Bottle Order ID : **B2503004** | Courier : F GALDUN | 1 of 2 COCs |
| Client ID : **GFEL01** Project ID : ~~**97-34-69RD RD, Rego Park NY**~~ | | Sampler Name(s) : FRANK GALDUN | Analysis / Matrix |
| Customer Name : **GFE LLC** | Project Manager : **FRANK GALDUN** | AIR ANALYSIS CHAIN-OF-CUSTODY | |
| Address : **58 Nokomis Ave** | Phone Number : **646-542-3465** | | |
| | Fax Number : **973-334-1692** | | |
| | Site Details: 223 W. 29TH ST. NY, NY | Batch Certified | |
| City : **Lake Hiawatha** | | | |
| State : **NJ** | Analysis Turnaround Time 5 DAY | | |
| Zip Code : **07034** | Standard : **10 ~~business days~~** **OR** | Data Package Type : RESULTS ONLY | |
| Country : | Rush (Specify): 5 **Days** | EDD Type : PDF | |

| Sample Identification | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab) | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID | Can ID | | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | Indoor/Ambinet Air | Soil Gas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SV1 | 3/25/25 | 8:38 | 10:38 | 29 | 4 | 68 | 68 | -30 | -5.5 | 10503 | 10258 | 6 L | 50 | VL041954.D | 1 | | 1 |

FULL LIST NO TICs

| Temperature (Fahrenheit) | | | | |
|---|---|---|---|---|
| | Ambient | Maximum | Minimum | |
| Start | | | | |
| Stop | | | | |

GC/MS Analyst Signature (TO-15)

| Pressure (Inches of Hg) | | | | |
|---|---|---|---|---|
| | Ambient | Maximum | Minimum | |
| Start | | | | |
| Stop | | | | |

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: 0, 0

Sampling site (State):

Quick Connector required : NO

| | | | | |
|---|---|---|---|---|
| Canisters Shiped by: | Date/Time: 3/25/25 | Canisters Received by: | Date/Time: | |
| Samples Relinquished by: | Date/Time: 3/26/25 | Received by: | Date/Time: 3/26/25 1010 | **B2503004 - 2** |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | |

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

**CHEMTECH Project No. :** Q1649

| | | | |
|---|---|---|---|
| Client Contact Information | Bottle Order ID : **B2503004** | Courier : F GALDUN | 2 of 2 COCs |
| Client ID : **GFEL01** | Project ID : ~~97-34 63RD RD, Rego Park NY~~ | Sampler Name(s) : FRANK GALDUN | Analysis / Matrix |
| Customer Name : **GFE LLC** | Project Manager : **FRANK GALDUN** | AIR ANALYSIS CHAIN-OF-CUSTODY | |
| Address : **58 Nokomis Ave** | Phone Number : **646-542-3465** | | |
| | Fax Number : **973-334-1692** | | |
| | Site Details: 223 W. 29TH ST. NY, NY | Individual Certified | |
| City : **Lake Hiawatha** | | | |
| State : **NJ** | Analysis Turnaround Time 5 DAY | | |
| Zip Code : **07034** | Standard : ~~10 business days~~ **OR** | Data Package Type : RESULTS ONLY | |
| Country : | Rush (Specify): 5 **Days** | EDD Type : PDF | |

| Sample Identification | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start) | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab) | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID | Can ID | | Flow Controller Readout (ml/min) | Can Cert ID | TO-15 | Indoor/Ambinet Air | Soil Gas |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SV2 | 3/25/25 | 9:09 | 11:25 | 30 | 8 | 68 | 68 | -30 | -9.2 | 10502 | 10439 | 6 L | 50 | VL041966.D | ✓ | | ✓ |

| Temperature (Fahrenheit) | Ambient | Maximum | Minimum | |
|---|---|---|---|---|
| Start | | | | |
| Stop | | | | |

| Pressure (Inches of Hg) | Ambient | Maximum | Minimum | |
|---|---|---|---|---|
| Start | | | | |
| Stop | | | | |

GC/MS Analyst Signature (TO-15)

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low) PID Readings: 0.0

Sampling site (State):

Quick Connector required : NO

| | | | |
|---|---|---|---|
| Canisters Shiped by: | Date/Time: 03/5/25 | Canisters Received by: | Date/Time: |
| Samples Relinquished by: | Date/Time: 3/26/25 | Received by: | Date/Time: 3/26/25 1010 |
| Relinquished by: | Date/Time: | Received by: | Date/Time: |

**B2503004 - 7**

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

# New Jersey Department of Environmental Protection



## Internal Chain of Custody

**Instructions:** Use 1 form for each 20 samples of aliquot

| Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample | |
|---|---|
| Laboratory: Chemtech<br>~~Same~~<br>Field Sample Seal No.: Q1649<br>Case No.: 223 W. 29th St NY, NY | Location: 284 Sheffield Street, Mountainside, NJ 7092<br>Title: Sample Custodian<br>Date Broken: 3/26/2025 Military Time Seal Broken: 10:10:00<br>Analytical Parameter/Fraction: TO-15 |

| Sample No. | Aliquot/Extract No. | Sample No. | Aliquot/Extract No. |
|---|---|---|---|
| Q1649-01 | SV1 | | |
| Q1649-02 | SV2 | | |
| | | | |

| Date | Time | Relinquished By | Received By | Purpose of Change of Custody |
|---|---|---|---|---|
| 3/26/25 | 11:26 AM | Signature [signature] | Signature [signature] | |
| | | Printed Name L. Carter | Printed Name [illegible] | |
| | | Signature | Signature | |
| | | Printed Name | Printed Name | |
| | | Signature | Signature | |
| | | Printed Name | Printed Name | |
| | | Signature | Signature | |
| | | Printed Name | Printed Name | |
| | | Signature | Signature | |
| | | Printed Name | Printed Name | |
| | | Signature | Signature | |
| | | Printed Name | Printed Name | |
| | | Signature | Signature | |
| | | Printed Name | Printed Name | |
| | | Signature | Signature | |
| | | Printed Name | Printed Name | |

*Distribution: White - Original (Sent With Report)* *Yellow - Contractor Archive* *Pink - Sample Custodian - Interim Copy*