

May 31, 2023

Ms. Elizabeth Kaptein  
New York State Department of Environmental Conservation  
Division of Environmental Remediation, Region 8  
6274 East Avon-Lima Road  
Avon NY 14414

**Re: 293 Patriot Way (C828223)**  
**Chili, New York**  
**Pre-Remediation Summary Report**

Dear Ms. Kaptein:

On behalf of Kaddis Manufacturing Corporation (Kaddis), Benchmark Civil/Environmental Engineering & Geology, PLLC (Benchmark) has prepared this letter report to summarize the pre-remediation investigation tasks that were performed as per the NYSDEC (Department's) comment letter dated February 1, 2023, in reference to the Remedial Action Work Plan (RAWP) at 293 Patriot Way Chili, New York (NYSDEC Site No. C828223). The tasks performed are described in further detail below.

#### **ADDITIONAL MONITORING WELL INSTALLATION & SAMPLING**

As per the Department's request, an overburden/bedrock monitoring well pair identified as MW-7 and MW-7B, respectively, was installed on the north end of the Site along Patriot Way, and one off-site overburden well identified as MW-8 was installed northwest of the Site as depicted on Figure 1, attached. The monitoring wells were installed by Nothnagle Drilling on March 28<sup>th</sup> through 29<sup>th</sup> 2023, with oversight by Benchmark personnel. The wells were sampled by Benchmark on March 31<sup>st</sup>, 2023, and analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) via EPA Method 8260. Results of the sampling are summarized in Table 1 of this report; the laboratory analytical data package is provided in Attachment 1; well logs are presented in Attachment 2. Figure 2 presents detections at the newly-installed and previously-installed wells across the Site.

As indicated, overburden well MW-7 exhibited no VOCs in excess of Class GA Groundwater Quality Standards and Guidance Values (GWQSGVs). MW-7B contained TCE and to a lesser extent breakdown products above GWQSGVs, but at concentrations 1-2 orders of magnitude below those in overburden well MW-C. As illustrated in the November 2022 Remedial Action Work Plan, bedrock flow is in a northeasterly direction and overburden flow is in a westerly direction. As such, detections at MW-7B likely reflect migration from the former historic

**Strong Advocates, Effective Solutions, Integrated Implementation**

[www.benchmarkturnkey.com](http://www.benchmarkturnkey.com)

2558 Hamburg Turnpike, Suite 300 | Buffalo, NY 14218  
phone: (716) 856-0599 | fax: (716) 856-0583

underground storage tank source area near the loading docks. MW-8 also exhibited TCE and breakdown products cis- and trans-1,2-DCE above GWQSGVs. Considering the substantially lower VOC concentrations at TMW-1A and to a lesser extent MW-3 as well as the northwesterly overburden flow direction, the MW-8 concentrations do not appear consistent with an onsite source.

### **SOIL VAPOR INTRUSION (SVI) INVESTIGATION**

An SVI investigation work plan was prepared by Benchmark and submitted to the Department on March 7, 2023. The Department approved the work plan on March 16, 2023, contingent upon the collection of additional indoor air and sub-slab samples within the manufacturing area of the site building. The sampling locations are shown in Figure 1 of this report. The SVI sampling was performed by Benchmark on March 24<sup>th</sup>, 2023 in accordance with the above-referenced RAWP. At the time of the sampling doors and windows were closed and the building heating system was active. No personnel other than a limited number of office personnel and Benchmark's sampling crew were onsite. Results of the sampling are summarized in Table 2; the laboratory analytical data package provided in Attachment 3.

The NYSDOH SVI Guidance identifies eight (8) chlorinated VOCs (shown on Table 3) for which action levels have been developed dependent upon co-located indoor and sub-slab vapor concentrations. The action levels vary according to the matrix assigned to the compound, with each of the compounds assigned to one of three Matrices (A, B, and C). As summarized in Table 3, the chlorinated VOC concentrations identified in sub-slab and indoor air in comparison to their applicable NYSDOH decision matrices indicate that “no further action” is required in all cases.

### **TRANSFORMER PAD AREA SAMPLING**

The previous site investigation activities indicated that the heaviest chlorinated VOC impacts are located near monitoring well MW-C. The location of MW-C as shown on Figure 1 of the Limited Phase II Investigation Report (June 2021) conducted Ramboll US Consulting, Inc (Ramboll) indicates the location of the monitoring well to be east of the transformer pad. This well location was mimicked in the RAWP. However, field documentation by Benchmark personnel verify that the monitoring well is well south of the transformer as shown on Figure 1. Based on this observation supplemental VOC samples were collected at the southeast and southwest corners of the electrical transformer pad as shown on Figure 1. Retrieved soils were scanned with a PID; no readings above background were detected. Samples were collected from both locations at 14-16 feet below ground surface (refusal). The data, summarized on Table 4 and included in Attachment 4, shows no evidence of significant VOC impacts. All compounds were reported as non-detect or below NYSDEC Protection of Groundwater Soil Cleanup Objectives. The location of well MW-C will be corrected on future reports.

## **WASTE CHARACTERIZATION SOIL SAMPLING**

A waste characterization soil sample was collected via the advancement of direct-push borings within the area the proposed remedial excavation as shown on Figure 1. The sample was collected at a depth of 12-16 feet below ground surface. The sample was analyzed for toxicity characteristic leaching procedure (TCLP) VOCs, TCLP SVOCs, TCLP Metals, ignitability, and total PCBs, as well as total (Target Compound List) VOCs. No detections above RCRA characteristic hazardous waste thresholds or NYS hazardous waste criteria for PCBs were identified. In addition, results of the total VOC sample analysis were either non-detect or well below “contained-in” limits per NYSDEC TAGM 3028. Sampling results for both the waste characterization and TCL analyses are summarized in Table 4 of this report; the laboratory analytical data package provided in Attachment 4

Benchmark will prepare and submit a “Contained-In Determination” request to the NYSDEC per NYSDEC TAGM 3028 to allow excavated soil material generated during the remedial work to be disposed at a sanitary landfill in lieu of a permitted Treatment Storage and Disposal Facility (TSDF). Other materials will also be subject to “Contained-In” application per the Department’s comments on the RAWP.

## **COMMUNITY AIR MONITORING**

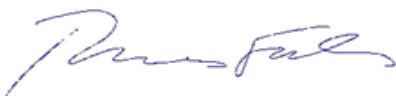
Community Air Monitoring was performed at the downwind property line and between the location of the work and within the nearest receptor (i.e., current manufacturing building) during all intrusive work. Community Air Monitoring Plan (CAMP) data is presented in Attachment 5. No exceedances of VOC or particulate thresholds (5 ppm time weighted 15-minute average) were identified. Minor exceedance of the 100 microgram per cubic meter time weighted average threshold occurred from approximately 2:56 – 3:09 pm on March 28<sup>th</sup>, but these fell below the 150 microgram per cubic meter work stop threshold.

## **CONCLUSIONS/RECOMMENDATIONS**

Results of the TCL VOC sampling indicate no significant VOC impacts adjacent to the transformer pad area. Therefore, Benchmark proposes to revise the RAWP to address outstanding Department comments and provide for the remedial soil excavation to commence south of the transformer pad near the location of monitoring well MW-C in order to avoid unnecessary business interruption and expense/delay associated with transformer relocation.

Please contact us if you have any questions or require additional information.

Sincerely,  
Benchmark Civil/Environmental Engineering & Geology, PLLC

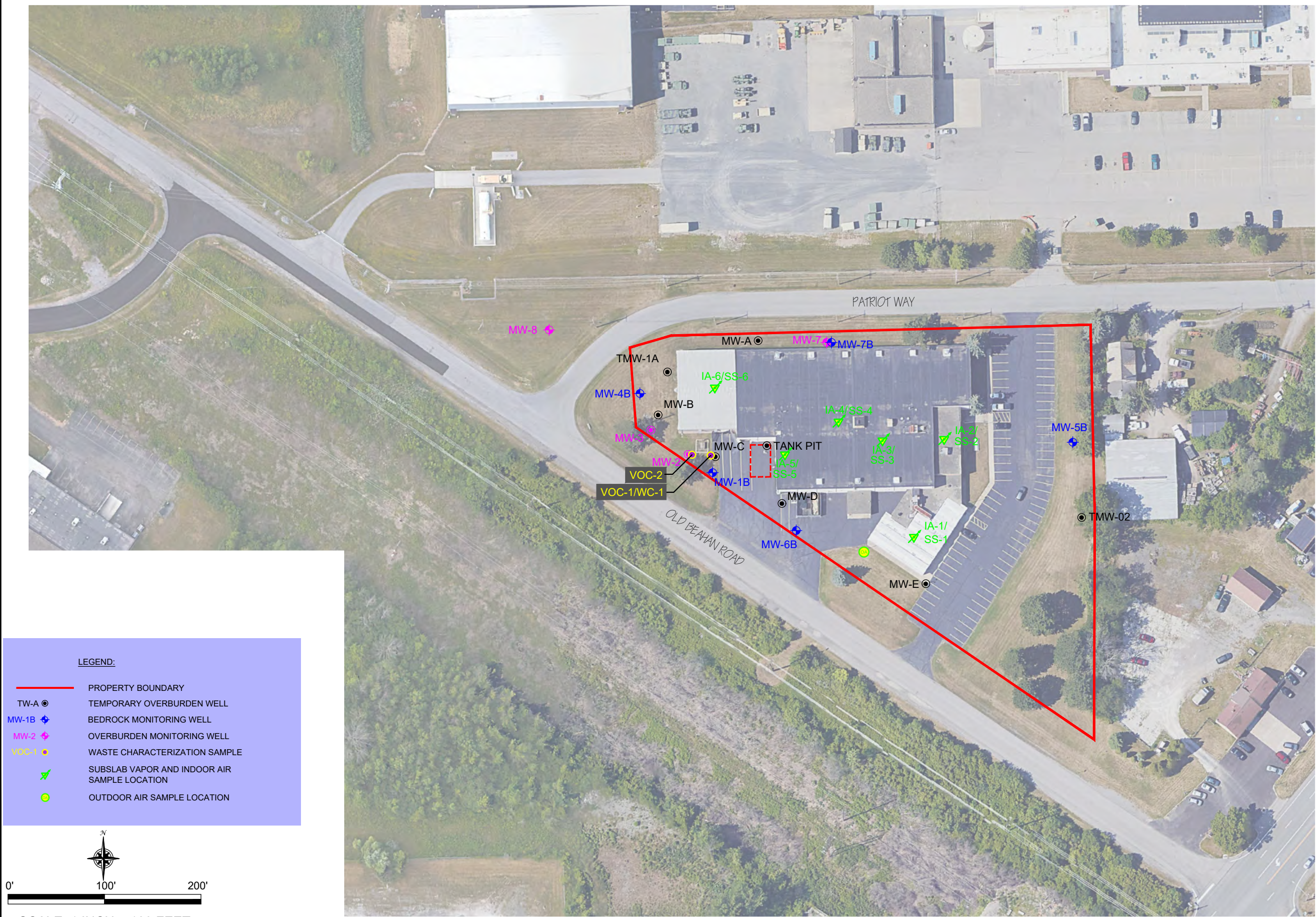


Thomas H. Forbes P.E.  
President

cc: D. Pratt (NYSDEC)  
C. Theobald (NYSDEC)  
J. Kenney (NYSDOH)  
J. Deming (NYSDOH)  
R. Iannucci (Kaddis)  
M. Tedeschi (Kaddis)  
P. Sylvestri (Harter Secrest)  
E. Warren (Benchmark)

# FIGURES





## NEW WELL, INDOOR/OUTDOOR AIR, SUBSLAB AND WASTE CHARACTERIZATION LOCATIONS

SUMMARY REPORT  
293 PATRIOT WAY  
ROCHESTER, NEW YORK

PREPARED FOR  
KADDIS MANUFACTURING CORPORATION



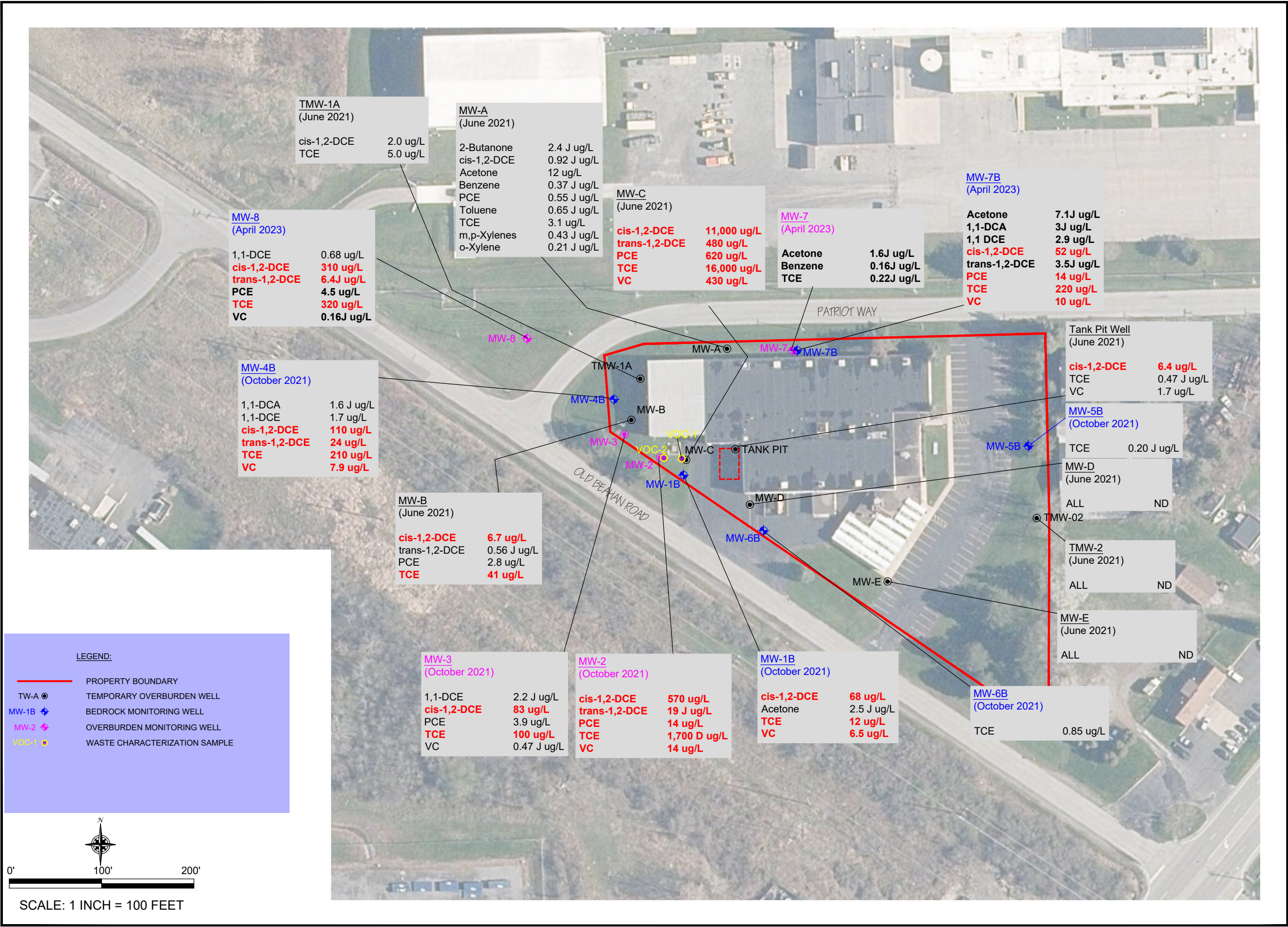
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,  
(716) 856-0599

JOB NO.: B0127-021-001

FIGURE 1

DISCLAIMER: PROPERTY OF BENCHMARK CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC.





## GROUNDWATER RESULTS

SUMMARY REPORT  
293 PATRIOT WAY  
ROCHESTER, NEW YORK

PREPARED FOR  
KADDIS MANUFACTURING CORPORATION



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,  
(716) 856-0599

JOB NO.: B0127-021-001

FIGURE 2

DISCLAIMER: PROPERTY OF BENCHMARK CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK CIVIL/ENVIRONMENTAL ENGINEERING & GEOLOGY, PLLC.



# TABLES



TABLE 1

## SUMMARY OF ADDITIONAL WELLS GROUNDWATER RESULTS

Pre-Remediation Summary Report  
Kaddis Manufacturing Corporation  
293 Patriot Way Site (NYSDEC Site No. 828223)  
Chili, New York

| Class       | Parameter <sup>1</sup> | AWQS/GVs <sup>2</sup> | Units | Well ID, Sample Date, and Concentration |                       |                      |
|-------------|------------------------|-----------------------|-------|-----------------------------------------|-----------------------|----------------------|
|             |                        |                       |       | MW-7<br>(April 2023)                    | MW-7B<br>(April 2023) | MW-8<br>(April 2023) |
| pVOC        | 2-Butanone             | 50*                   | ug/L  | ND                                      | ND                    | ND                   |
|             | Acetone                | 50*                   | ug/L  | 1.6 J                                   | 7.1 J                 | ND                   |
|             | Benzene                | 1                     | ug/L  | 0.16 J                                  | ND                    | ND                   |
|             | Bromomethane           | 5                     | ug/L  | ND                                      | ND                    | ND                   |
|             | Toluene                | 5                     | ug/L  | ND                                      | ND                    | ND                   |
|             | m,p-Xylenes            | 5                     | ug/L  | ND                                      | ND                    | ND                   |
|             | o-Xylene               | 5                     | ug/L  | ND                                      | ND                    | ND                   |
| cVOC        | 1,1-DCA                | 5                     | ug/L  | ND                                      | 3 J                   | ND                   |
|             | 1,1-DCE                | 5                     | ug/L  | ND                                      | 2.9                   | 0.68                 |
|             | cis-1,2-DCE            | 5                     | ug/L  | ND                                      | 52                    | 310                  |
|             | trans-1,2-DCE          | 5                     | ug/L  | ND                                      | 3.5 J                 | 6.4 J                |
|             | PCE                    | 5                     | ug/L  | ND                                      | 14                    | 4.5                  |
|             | TCE                    | 5                     | ug/L  | 0.22 J                                  | 220                   | 320                  |
|             | VC                     | 2                     | ug/L  | ND                                      | 10                    | 0.61 J               |
| Total cVOCs |                        | --                    | ug/L  | 0.22                                    | 305.4                 | 642.19               |

## Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values (\*); NYSDEC June 1998 Division of Water Technical and

## Abbreviations:

pVOC = petroleum-based volatile organic compound

cVOC = chlorinated solvent-based volatile organic compound

 = exceeds AWQS/GV

TABLE 2  
SUMMARY OF SUBSLAB VAPOR, INDOOR AIR, & OUTDOOR AIR ANALYTICAL RESULTS  
PRE-REMEDIATION SUMMARY REPORT  
293 PATRIOT WAY  
ROCHESTER, NEW YORK

| Parameter                                       | Subslab Sample Location | Indoor Air Sample Location | Subslab Sample Location | Indoor Air Sample Location | Subslab Sample Location | Indoor Air Sample Location | Subslab Sample Location | Indoor Air Sample Location | Subslab Sample Location | Indoor Air Sample Location | Subslab Sample Location | Indoor Air Sample Location | Outdoor Air |
|-------------------------------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------|
|                                                 | SS-1 Office             | IA-1 Office                | SS-2 Lunch room         | IA-2 Lunch room            | SS-3 Locker Room        | IA-3 Locker Room           | SS-4 Tool Room          | IA-4 Tool Room             | SS-5 Shipping           | IA-5 Shipping              | SS-6 Facility Addition  | IA-6 Facility Addition     | OA-1        |
|                                                 | 3/24/2023               | 3/24/2023                  | 3/24/2023               | 3/24/2023                  | 3/24/2023               | 3/24/2023                  | 3/24/2023               | 3/24/2023                  | 3/24/2023               | 3/24/2023                  | 3/24/2023               | 3/24/2023                  | 3/15/2023   |
| <b>Volatile Organic Compounds (VOCs, ug/m3)</b> |                         |                            |                         |                            |                         |                            |                         |                            |                         |                            |                         |                            |             |
| 1,1,1-Trichloroethane (Matrix B)                | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | 0.55 J                     | ND                      | ND                         | ND                      | ND                         | ND          |
| 1,2,4-Trimethylbenzene                          | 0.79                    | ND                         | ND                      | ND                         | 0.74                    | 3.9                        | 0.93                    | 5.2                        | 0.64 J                  | 5.8                        | 0.93                    | ND                         | ND          |
| 1,3,5-Trimethylbenzene                          | 0.64 J                  | ND                         | ND                      | ND                         | 0.94 J                  | ND                         | 0.94                    | ND                         | ND                      | ND                         | 0.69 J                  | ND                         | ND          |
| 2,2,4-trimethylpentane (iso-octane)             | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | 0.7                     | ND                         | ND                      | ND                         | 0.56 J                  | ND                         | ND          |
| Acetone                                         | 77                      | 7.6                        | 12                      | 14                         | 170                     | 18                         | 190                     | 24                         | 12                      | 22                         | 29                      | 20                         | 11          |
| Benzene                                         | 1.3                     | 0.86                       | 0.7                     | 0.51                       | 1.2                     | 0.54                       | 3.2                     | 0.64                       | 0.86                    | 0.38 J                     | 2                       | 0.67                       | 0.32 J      |
| Carbon Disulfide                                | 2.8                     | ND                         | 1.4                     | ND                         | 1.5                     | ND                         | 1.9                     | 0.34 J                     | 1.3                     | 0.31 J                     | 2.1                     | 0.34 J                     | ND          |
| Carbon Tetrachloride (Matrix A) <sup>2</sup>    | ND                      | 0.44                       | ND                      | 0.44                       | ND                      | ND                         | ND                      | 0.38                       | ND                      | ND                         | ND                      | 0.38                       | ND          |
| Chloroform                                      | 0.49 J                  | ND                         | ND                      | ND                         | ND                      | 6.6                        | ND                      | 4.5                        | ND                      | 1.8                        | 0.54 J                  | 6.8                        | ND          |
| Chloromethane                                   | ND                      | 1                          | 0.89                    | 1.2                        | ND                      | 1.4                        | ND                      | 1.2                        | 0.45                    | 0.66                       | ND                      | 1.2                        | 0.93        |
| cis-1,2-Dichloroethene (Matrix A)               | ND                      | ND                         | ND                      | ND                         | ND                      | 0.63                       | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND          |
| Cyclohexane                                     | 3.9                     | ND                         | 0.62                    | ND                         | 1.2                     | ND                         | 6.1                     | 0.34 J                     | 0.59                    | ND                         | 4.5                     | ND                         | ND          |
| Dichlorodifluoromethane                         | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | 8.7                        | ND          |
| Ethyl acetate                                   | 0.61                    | ND                         | ND                      | ND                         | 0.54                    | 0.65                       | 0.72                    | 1                          | 0.76                    | 0.5 J                      | 0.76                    | 0.86                       | ND          |
| Ethylbenzene                                    | 0.52 J                  | ND                         | ND                      | ND                         | 0.52 J                  | ND                         | 0.65                    | 0.61 J                     | 0.43 J                  | ND                         | 0.56 J                  | ND                         | ND          |
| Freon 11                                        | 4                       | 12                         | 1.3                     | 5.8                        | 3                       | 4.4                        | 29                      | 5.6                        | 1.7                     | 3.8                        | 2.8                     | 5.2                        | 1.2         |
| Isopropyl alcohol                               | 16                      | 13                         | 4                       | 170                        | 18                      | 70                         | 19                      | 58                         | 3.6                     | 47                         | 4.2                     | 44                         | 0.93        |
| m&p-Xylene                                      | 1.6                     | ND                         | 0.91 J                  | ND                         | 1.6                     | 1.3 J                      | 2                       | 2.4                        | 1.4                     | 1.5                        | 1.7                     | 2.2                        | ND          |
| Methyl Ethyl Ketone                             | 4.6                     | 0.71 J                     | 0.97                    | 0.56 J                     | 1.9                     | 1.5                        | 4.4                     | 2.2                        | 1.1                     | 0.88                       | 2.5                     | 1.4                        | 0.53 J      |
| Methyl Isobutyl Ketone                          | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | 0.61 J                     | ND                      | ND                         | ND                      | 0.53 J                     | ND          |
| Methyl tert-butyl ether                         | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND          |
| Methylene chloride (Matrix B) <sup>2</sup>      | 5.9                     | 0.83                       | 2.7                     | 1.1                        | 4.1                     | 0.97                       | 4.6                     | 0.83                       | 3.3                     | 1                          | 4.1                     | 0.73                       | 0.69        |
| n-Heptane                                       | 2.1                     | ND                         | 1.8                     | ND                         | 4.1                     | 1.4                        | 9.2                     | 2.1                        | 2.8                     | 0.78                       | 6.1                     | 1.9                        | ND          |
| n-Hexane                                        | 28                      | ND                         | 0.7                     | ND                         | 3                       | 0.39 J                     | 17                      | 0.53                       | 1                       | 0.39 J                     | 7.3                     | 0.49 J                     | ND          |
| p-Xylene                                        | 0.74                    | ND                         | ND                      | ND                         | 0.82                    | ND                         | 1                       | ND                         | 0.61 J                  | ND                         | 0.87                    | ND                         | ND          |
| Styrene                                         | 1                       | ND                         | 0.47 J                  | ND                         | 0.94                    | ND                         | 1.2                     | ND                         | 0.68                    | ND                         | 1.1                     | ND                         | ND          |
| Tetrachloroethene (Matrix B) <sup>2</sup>       | ND                      | ND                         | ND                      | ND                         | ND                      | 52                         | ND                      | 3                          | ND                      | ND                         | ND                      | ND                         | ND          |
| Toluene                                         | 4.1                     | 0.87                       | 2.3                     | 0.41 J                     | 3.3                     | 2.7                        | 6                       | 4.6                        | 3.1                     | 3.3                        | 4.6                     | 3.7                        | ND          |
| Trichloroethene (Matrix A) <sup>2</sup>         | ND                      | ND                         | ND                      | 0.11 J                     | ND                      | 0.32                       | ND                      | ND                         | ND                      | ND                         | ND                      | ND                         | ND          |

Notes:  
1. Only those parameters detected above the method detection limit, at a minimum of one location, are presented in this table.  
2. Constituent monitored under NYSDOH Vapor/ Indoor Air Quality Standards - (Matrices A,B,C- Updated May 2017)

Definitions:  
ND = Parameter not detected above laboratory detection limit.  
"-." = No value available for the parameter. Or parameter not analyzed for.  
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.



TABLE 3

PRE-REMEDIATION SUMMARY REPORT

293 PATRIOT WAY  
ROCHESTER, NEW YORK

| Sample Location                           | Carbon Tetrachloride                            |                                  | Trichloroethene (TCE)                           |                                  | cis-1,2-Dichloroethene                          |                                  | 1,1-Dichloroethene                              |                                  | Tetrachloroethene (PCE)                         |                                  | 1,1,1-Trichloroethane                           |                                  | Methylene Chloride                              |                                  | Vinyl Chloride                                  |                                  |
|-------------------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------|----------------------------------|
|                                           | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix A | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix A | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix A | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix A | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix B | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix B | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix B | Lab Reported Concentration (ug/m <sup>3</sup> ) | Soil Vapor / Indoor Air Matrix C |
| <b>Soil Vapor Assessment October 2022</b> |                                                 |                                  |                                                 |                                  |                                                 |                                  |                                                 |                                  |                                                 |                                  |                                                 |                                  |                                                 |                                  |                                                 |                                  |
| SS-1 Office                               | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | 5.9                                             | NFA                              | ND                                              | NFA                              |
| IA-1 Office                               | 0.44                                            | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | 0.83                                            | NFA                              | ND                                              | NFA                              |
| SS-2 Lunch room                           | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | 2.7                                             |                                  | ND                                              |                                  |
| IA-2 Lunch room                           | 0.44                                            | NFA                              | 0.11 J                                          | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | 1.1                                             | NFA                              | ND                                              | NFA                              |
| SS-3 Locker room                          | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | 4.1                                             |                                  | ND                                              |                                  |
| IA-3 Locker room                          | ND                                              | NFA                              | 0.32                                            | NFA                              | 0.63                                            | NFA                              | ND                                              | NFA                              | 52                                              | NFA                              | ND                                              | NFA                              | 0.97                                            | NFA                              | ND                                              | NFA                              |
| SS-4 Tool room                            | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | 4.6                                             |                                  | ND                                              |                                  |
| IA- 4 Tool room                           | 0.38                                            | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | 3                                               | NFA                              | 0.55 J                                          | NFA                              | 0.83                                            | NFA                              | ND                                              | NFA                              |
| SS-5 Shipping                             | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | 3.3                                             |                                  | ND                                              |                                  |
| IA-5 Shipping                             | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | 1                                               | NFA                              | ND                                              | NFA                              |
| SS-6 Facility Addition                    | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | ND                                              |                                  | 4.1                                             |                                  | ND                                              |                                  |
| IA-6 Facility Addition                    | 0.38                                            | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | ND                                              | NFA                              | 0.73                                            | NFA                              | ND                                              | NFA                              |

Notes:

1. Concentration in micrograms per cubic meter (ug/m<sup>3</sup>)

Definitions:

ND = Not Detected

J = Results are estimated; results are below the reporting limit, but greater than or equal to the method detection limit.

NFA = No further action.

I, R = Take reasonable and practical actions to identify source(s) and reduce exposures and resample or mitigate.

Monitor = Monitor soil vapor / indoor air

Mitigate = Mitigate source of identified parameter.

Analyses Assigned:  
Trichloroethene (TCE), cis-1,2-Dichloroethene (c12-DCE), 1,2-Dichloroethene (12-DCE), Carbon Tetrachloride

| SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) | INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) |                      |                                                |
|----------------------------------------------------------------|------------------------------------------------------------|----------------------|------------------------------------------------|
|                                                                | < 0.2                                                      | 0.2 to < 1           | 1 and above                                    |
| < 6                                                            | 1. No Further action                                       | 2. No Further Action | 3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE |
| 6 to < 60                                                      | 4. No Further action                                       | 5. MONITOR           | 6. MITIGATE                                    |
| 60 and above                                                   | 7. MITIGATE                                                | 8. MITIGATE          | 9. MITIGATE                                    |

Analyses Assigned:  
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

| SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) | INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) |                      |                                                |
|----------------------------------------------------------------|------------------------------------------------------------|----------------------|------------------------------------------------|
|                                                                | < 3                                                        | 3 to < 10            | 10 and above                                   |
| < 100                                                          | 1. No further action                                       | 2. No Further Action | 3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE |
| 100 to < 1,000                                                 | 4. No further action                                       | 5. MONITOR           | 6. MITIGATE                                    |
| 1,000 and above                                                | 7. MITIGATE                                                | 8. MITIGATE          | 9. MITIGATE                                    |

Analyses Assigned:  
vinyl Chloride

| SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) | INDOOR AIR CONCENTRATION of COMPOUND (mcg/m <sup>3</sup> ) |                                                |
|----------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------|
|                                                                | < 0.2                                                      | 0.2 and above                                  |
| < 6                                                            | 1. No further action                                       | 2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE |
| 6 to < 60                                                      | 5. MONITOR                                                 | 4. MITIGATE                                    |
| 60 and above                                                   | 5. MITIGATE                                                | 6. MITIGATE                                    |

TABLE 4

**Waste Characterization And Soil Sample Summary**  
**PRE-REMEDIATION SUMMARY REPORT**  
**293 Patriot Way**  
**Chili, New York**

| Parameter <sup>1</sup>                                         | PGW SCOs <sup>2</sup><br>(mg/Kg) | TAGM 3028<br>Action Level <sup>3</sup><br>(mg/Kg) | RCRA/NYS<br>Characteristic<br>Waste Limit <sup>4</sup> | RCRA Waste<br>Characterization<br>Sample | Waste<br>Characterization<br>Total VOCs | VOC-1     | VOC-2    |
|----------------------------------------------------------------|----------------------------------|---------------------------------------------------|--------------------------------------------------------|------------------------------------------|-----------------------------------------|-----------|----------|
| <b><i>Volatile Organic Compounds (VOCs) - mg/kg</i></b>        |                                  |                                                   |                                                        |                                          |                                         |           |          |
| Acetone                                                        | 0.05                             | 7,800                                             | NA                                                     | -                                        | 0.015                                   | ND        | 0.0053 J |
| cis-1,2-dichloroethene                                         | 0.25                             | 780                                               | NA                                                     | -                                        | 0.039                                   | 0.011     | ND       |
| Tetrachloroethene                                              | 1.3                              | 12                                                | NA                                                     | -                                        | ND                                      | 0.0068    | ND       |
| trans 1,2,Dichloroethene                                       | 0.19                             | 1,600                                             | NA                                                     | -                                        | 0.00074 J                               | 0.00038 J | ND       |
| Trichloroethene                                                | 0.47                             | 58                                                | NA                                                     | -                                        | 0.01                                    | 0.035     | ND       |
| Vinyl chloride                                                 | 0.02                             | 0.34                                              | NA                                                     | -                                        | 0.0041                                  | ND        | ND       |
| <b><i>Hazardous Waste Characteristics (units as shown)</i></b> |                                  |                                                   |                                                        |                                          |                                         |           |          |
| TCLP Volatiles (mg/l)                                          |                                  |                                                   |                                                        | ND                                       |                                         |           |          |
| TCLP Semi-Volatiles (mg/l)                                     |                                  |                                                   |                                                        | ND                                       |                                         |           |          |
| Ignitability                                                   | -                                | NA                                                | NI                                                     | NI                                       | -                                       | -         | -        |
| TCLP Metals (mg/l)                                             |                                  |                                                   |                                                        |                                          |                                         |           |          |
| TCLP Arsenic                                                   | -                                | NA                                                | 5                                                      | ND                                       | -                                       | -         | -        |
| TCLP Barium                                                    | -                                | NA                                                | 100                                                    | 0.435 J                                  | -                                       | -         | -        |
| Total PCBs (mg/Kg)                                             |                                  | 10                                                | 50                                                     | ND                                       | -                                       | -         | -        |

**Notes:**

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC 6 NYCRR Part 375 Protection of Groundwater Soil Cleanup Objectives (SCOs).
3. Values per NYSDEC TAGM 3028 "Contained-In" Criteria for Environmental Media. Soil/Sediment Action Level
4. Toxic characteristic leaching procedure regulatory criteria per 40 CFR Part 261.

**Definitions:**

J = Estimated Value

mg/kg = milligrams per kilogram

NA = not analyzed; -- no standard

ND = Parameter not detected above laboratory detection limit

SU = standard units

NI = Not Ignitable

---

Attachment 1  
Groundwater Laboratory Analytical Data  
MW-7A/7B & MW-8

---





[www.alphalab.com](http://www.alphalab.com)



**Alpha Analytical**

**Laboratory Code: 11148**

**SDG Number: L2316882**

*The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.*

## Table of Contents

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| New York ASP Category B Data Deliverable Package.....             | 1   |
| Table of Contents .....                                           | 2   |
| Sample ID Cross Reference .....                                   | 4   |
| SDG Narrative .....                                               | 5   |
| Data Qualifier Definitions .....                                  | 7   |
| Instrument Information .....                                      | 10  |
| Sample Log-in Sheet .....                                         | 13  |
| Lims COC (LN01) .....                                             | 14  |
| External Chain of Custody .....                                   | 15  |
| Organics Analysis .....                                           | 16  |
| GCMS 8260 Analysis .....                                          | 17  |
| Volatiles QC Summary .....                                        | 18  |
| Form 2 - Organics .....                                           | 19  |
| Form 3 - Organics .....                                           | 20  |
| Form 4 - Organics .....                                           | 22  |
| Form 5 - Organics .....                                           | 23  |
| Form 8 - Organics .....                                           | 25  |
| MDL Study - Volatile Organics 8260 .....                          | 26  |
| 8260 .....                                                        | 26  |
| 8260HLW .....                                                     | 28  |
| Volatiles Sample Data .....                                       | 30  |
| Form 1 - Organics .....                                           | 31  |
| MW-7 (L2316882-01) Analyzed: 04/05/23 08:54 .....                 | 43  |
| MW-7B (L2316882-02D) Analyzed: 04/05/23 09:17 .....               | 56  |
| MW-8 (L2316882-03D) Analyzed: 04/05/23 09:40 .....                | 69  |
| Volatile Standards Data .....                                     | 80  |
| Initial Calibration .....                                         | 81  |
| Form 6 - Organics .....                                           | 82  |
| ICAL for VOA105 on 02/09/23 ICAL19721 .....                       | 85  |
| Initial Calibration Summary - Cal Date: 02/09/23 00:00 .....      | 85  |
| BFB TUNE Injected on: 02/08/23 12:34 .....                        | 89  |
| STD0.19PPB Injected on: 02/08/23 13:34 .....                      | 90  |
| STD0.5PPB Injected on: 02/08/23 14:21 .....                       | 93  |
| STD2PPB Injected on: 02/08/23 15:07 .....                         | 104 |
| STD10PPB Injected on: 02/08/23 15:30 .....                        | 113 |
| STD30PPB Injected on: 02/08/23 15:54 .....                        | 121 |
| STD80PPB Injected on: 02/08/23 16:17 .....                        | 129 |
| STD120PPB Injected on: 02/08/23 16:40 .....                       | 136 |
| STD200PPB Injected on: 02/08/23 17:03 .....                       | 143 |
| ICV Summary Form Injected on: 02/08/23 18:59 .....                | 151 |
| ICV Quant Report Injected on: 02/08/23 18:59 .....                | 154 |
| Continuing Calibration .....                                      | 162 |
| Form 7 - Organics .....                                           | 163 |
| CC Summary - VOA105 Run: 04/05/23 06:58 .....                     | 166 |
| CC Quant - WG1763545-2 VOA105 Run: 04/05/23 06:58 .....           | 169 |
| bfb tune - Inst. VOA105 04/05/23 06:44 .....                      | 177 |
| Volatiles Raw QC Data .....                                       | 178 |
| Laboratory Method BI (WG1763545-5) Analyzed: 04/05/23 08:31 ..... | 179 |
| Laboratory Control S (WG1763545-3) Analyzed: 04/05/23 06:58 ..... | 185 |
| LCS Duplicate (WG1763545-4) Analyzed: 04/05/23 07:21 .....        | 240 |

## Table of Contents

|                                                               |     |
|---------------------------------------------------------------|-----|
| Volatiles Calculations .....                                  | 295 |
| QC Batch WG1763545 .....                                      | 296 |
| ICAL Sequence for VOA105 on 09-FEB-2023 00:00 ICAL19721 ..... | 297 |
| Instrument VOA105 Run Date 04/05/23 Run ID R1680928 .....     | 298 |



**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316882  
**Report Date:** 04/06/23

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2316882-01                | MW-7             | WATER         | ROCHESTER, NY              | 03/31/23 12:00                  | 03/31/23            |
| L2316882-02                | MW-7B            | WATER         | ROCHESTER, NY              | 03/31/23 11:30                  | 03/31/23            |
| L2316882-03                | MW-8             | WATER         | ROCHESTER, NY              | 03/31/23 10:00                  | 03/31/23            |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316882  
**Report Date:** 04/06/23

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316882  
**Report Date:** 04/06/23

**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Kelly M. Hall*

Report Date: 04/06/23

Title: Technical Director/Representative



## GLOSSARY

### Acronyms

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).                                                                                         |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.                                                                                                                                                                                                                               |
| EPA      | - Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                                                                                          |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                                                                                         |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                                                               |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                          |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.                                                                                                                                                                                                    |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NA       | - Not Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.                                                                                                                                                                                                                                                                                                                                                                           |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NI       | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.                                                                                                                                                                                                                                                                                                                                                                    |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                                                                                                                                   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.                                                                  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.                                                                                                                                                                                                                                                                                                                                                                     |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.                                                                                                                                                                                                                                                                                                                                                                                             |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.                                                                                                                                                                                                                                                                                                                                                        |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.                                                                                                                                                                                                                                                                      |

Report Format: DU Report with 'J' Qualifiers





#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316882  
**Report Date:** 04/06/23

#### **Data Qualifiers**

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.



## **Volatile Organics Instruments**

### Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD  
 Trap: Supelco K Trap (VOACARB 3000)  
 Concentrator: EST Encon (or equivalent)  
 Autosampler: EST Centurion (or equivalent)  
 Purge time: 11 min

Columns (length x ID x df):  
 RTX-VMS 20m x 0.18mm x 1um  
 RTX-VMS 30m x 0.25mm x 1.4um  
 RTX-502.2 40m x 0.18mm x 1um

### Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)  
 Trap: Supelco K Trap (VOACARB 3000)  
 Concentrator: EST Encon (or equivalent)  
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2  
 Column Length: 105 Meters  
 df: 3.00 um  
 ID: 0.53mm

### Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD  
 Trap: Supelco K Trap (VOACARB 3000)  
 Concentrator: Tekmar Velocity / EST Encon  
 Autosampler: Varian Archon / EST Centurion  
 Purge time: 11 min

Column Type: DB-VRX  
 Column Length: 60 Meters  
 df: 1.40 um  
 ID: 0.25 mm  
 Desorb: 1 min

### Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Column Type: Haysep S Column  
 Column Length: 2 Meters packed  
 (100/200 mesh)

Autosampler: LEAP Headspace

Purge time: 0.6 min

## **Volatile Organics in Air Instruments**

### Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200  
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1  
 Column Length: 60 Meters  
 df: 1.00 um  
 ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material



## Semivolatile Organics Instruments - Westborough

### Semivolatile Organics (Acid/Base/Neutral Extractables):

|                                |                                            |
|--------------------------------|--------------------------------------------|
| Instrument: Agilent 5973N MSD  | Injection volume: 1 $\mu$ L; 2 $\mu$ L LVI |
| Column Type: Restek RXI-5SILMS | df: 0.32 $\mu$ m                           |
| Column Length: 30 Meters       | ID: 0.25 mm                                |

### Polynuclear Aromatic Hydrocarbons by 8270 SIM:

|                                |                                            |
|--------------------------------|--------------------------------------------|
| Instrument: Agilent 5973 MSD   | Injection volume: 1 $\mu$ L; 2 $\mu$ L LVI |
| Column Type: Restek RXI-5SILMS | df: 0.25 $\mu$ m                           |
| Column Length: 30 Meters       | ID: 0.25 mm                                |

### Pesticides/PCB/Herbicides:

|                                            |                             |
|--------------------------------------------|-----------------------------|
| Instrument: Agilent 6890 w/Dual Micro ECDs | Injection Volume: 1 $\mu$ L |
| Column A: Restek RTX-CL/STX-CL             | df: 0.32                    |
| Column B: Restek RTX/STX-CLP Pesticide II  | df: 0.25                    |
| Column Length: 30 Meters                   | ID: 0.32 mm                 |

### Petroleum/EPH:

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| Instrument: Agilent 6890 w/FID / HP 5890 w/ FID | Injection Volume: 1 $\mu$ L |
| Column: Restek RTX 5                            | df: 0.25                    |
| Column Length: 30 Meters                        |                             |
| ID: 0.32 mm                                     |                             |





### **Semivolatile Organic Instruments - Mansfield**

#### **Semivolatile Organics (ALK-PAH Extractables):**

|                                      |                        |
|--------------------------------------|------------------------|
| Instrument: Agilent 5973N / 5975 MSD | Injection volume: 1 ul |
| Column Type: ZB-5                    | df: 0.25 um            |
| Column Length: 60 Meters             | ID: 0.25 mm            |

#### **Semivolatile Organics (8270):**

|                                      |                        |
|--------------------------------------|------------------------|
| Instrument: Agilent 5973N / 5975 MSD | Injection volume: 2 ul |
| Column Type: ZB-Semivolatiles        | df: 0.25 um            |
| Column Length: 30 Meters             | ID: 0.25 mm            |

#### **Semivolatile Organics (8270 SIM):**

|                                      |                        |
|--------------------------------------|------------------------|
| Instrument: Agilent 5973N / 5975 MSD | Injection volume: 3 ul |
| Column Type: ZB-5                    | df: 0.25 um            |
| Column Length: 30 Meters             | ID: 0.25 mm            |

#### **Semivolatile Organics (1,4-Dioxane):**

|                                             |                        |
|---------------------------------------------|------------------------|
| Instrument: Agilent 5973N / 5975 / 5977 MSD | Injection volume: 3 ul |
| Column Type: RTX-5                          | df: 0.25um, 0.18 um    |
| Column Length: 30 Meters                    | ID: 0.25um, 0.18 mm    |

#### **Semivolatile Organics (209 Congener):**

|                                      |                        |
|--------------------------------------|------------------------|
| Instrument: Agilent 5973N / 5975 MSD | Injection volume: 3 ul |
| Column Type: RTX-5, RTX-PCB          | df: 0.25um, 0.18 um    |
| Column Length: 60 Meters             | ID: 0.25um, 0.18 mm    |

#### **Semivolatile Organics (8081):**

|                                 |                        |
|---------------------------------|------------------------|
| Instrument: Agilent 6890 / 7890 | Injection volume: 1 ul |
| Column Type: RTX-5 / RTX-CLP II | df: 0.25 um            |
| Column Length: 60 Meters        | ID: 0.25 mm            |

#### **Semivolatile Organics (8082):**

|                                            |                       |
|--------------------------------------------|-----------------------|
| Instrument: Agilent 6890 w/Dual Micro ECDs | Injection Volume: 1uL |
| Column A: Restek RTX-CL/STX-CL             | df: 0.32              |
| Column B: Restek RTX/STX-CLPPesticide II   | df: 0.25              |
| Column Length: 30 Meters                   | ID: 0.32 mm           |

#### **Semivolatile Organics (SHC Extractables):**

|                          |                        |
|--------------------------|------------------------|
| Instrument: Agilent 6890 | Injection volume: 1 ul |
| Column Type: RTX-5       | df: 0.25 um            |
| Column Length: 60 Meters | ID: 0.25 mm            |



## Sample Delivery Group Summary

Alpha Job Number : L2316882

Received : 31-MAR-2023

Reviewer : Jamie Reyes

Account Name : Benchmark & Turnkey Companies

Project Number : 0127-023-001

Project Name : 293 PATRIOT WAY

### Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

### Cooler Information

| Cooler | Seal/Seal# | Preservation | Temperature(°C) | Additional Information |
|--------|------------|--------------|-----------------|------------------------|
| A      | Absent/    | Ice          | 3.2             |                        |

### Condition Information

- |                                                                                                                      |     |
|----------------------------------------------------------------------------------------------------------------------|-----|
| 1) All samples on COC received?                                                                                      | YES |
| 2) Extra samples received?                                                                                           | NO  |
| 3) Are there any sample container discrepancies?                                                                     | NO  |
| 4) Are there any discrepancies between COC & sample labels?                                                          | NO  |
| 5) Are samples in appropriate containers for requested analysis?                                                     | YES |
| 6) Are samples properly preserved for requested analysis?<br>Following containers were received with headspace: -01B | NO  |
| 7) Are samples within holding time for requested analysis?                                                           | YES |
| 8) All sampling equipment returned?                                                                                  | NA  |

### Volatile Organics/VPH

- |                                          |    |
|------------------------------------------|----|
| 1) Reagent Water Vials Frozen by Client? | NO |
|------------------------------------------|----|

ALPHA ANALYTICAL LABORATORIES, INC.  
LOGIN CHAIN OF CUSTODY REPORT  
Apr 06 2023, 01:51 pm

Login Number: L2316882

Account: BENTURN Benchmark & Turnkey Companies Project: 0127-023-001

Received: 31MAR23 Due Date: 07APR23

Sample # Client ID Mat PR Collected

L2316882-01 MW-7 1 S0 31MAR23 12:00

8260 - List built ASP-B Package Due Date: 04/07/23

ASP-B, E&I-FEE, NYTCL-8260-R2

L2316882-02 MW-7B 1 S0 31MAR23 11:30

8260 - List built Package Due Date: 04/07/23

NYTCL-8260-R2

L2316882-03 MW-8 1 S0 31MAR23 10:00

8260 - List built Package Due Date: 04/07/23

NYTCL-8260-R2



# Organics



# **GC/MS 8260**

## **Analysis**

## **Volatiles QC Summary**

# Surrogate Recovery Summary

## Form 2

### Volatiles

Client: Benchmark & Turnkey Companies  
Project Name: 293 PATRIOT WAY

Lab Number: L2316882  
Project Number: 0127-023-001  
Matrix: Water

| CLIENT ID<br>(LAB SAMPLE NO.) | SMC1<br>DCA | SMC2<br>TOL | SMC3<br>BFB | SMC4<br>DBFM | TOT<br>OUT |
|-------------------------------|-------------|-------------|-------------|--------------|------------|
| MW-7 (L2316882-01)            | 119         | 99          | 91          | 112          | 0          |
| MW-7B (L2316882-02D)          | 119         | 98          | 91          | 109          | 0          |
| MW-8 (L2316882-03D)           | 122         | 99          | 92          | 112          | 0          |
| WG1763545-3LCS                | 121         | 103         | 92          | 108          | 0          |
| WG1763545-4LCSD               | 124         | 102         | 92          | 108          | 0          |
| WG1763545-5BLANK              | 121         | 100         | 91          | 115          | 0          |

#### QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4  
(70-130) TOL = TOLUENE-D8  
(70-130) BFB = 4-BROMOFLUOROBENZENE  
(70-130) DBFM = DIBROMOFLUOROMETHANE

\* Values outside of QC limits

FORM II NYTCL-8260-R2



# Laboratory Control Sample Summary

## Form 3

### Volatiles

Client : Benchmark & Turnkey Companies      Lab Number : L2316882  
 Project Name : 293 PATRIOT WAY      Project Number : 0127-023-001  
 Matrix (Level) : WATER (LOW)  
 LCS Sample ID : WG1763545-3      Analysis Date : 04/05/23 06:58      File ID : V05230405A01  
 LCSD Sample ID : WG1763545-4      Analysis Date : 04/05/23 07:21      File ID : V05230405A02

| Parameter                 | Laboratory Control Sample |              |       | Laboratory Control Duplicate |              |       | RPD | Recovery Limits | RPD Limit |
|---------------------------|---------------------------|--------------|-------|------------------------------|--------------|-------|-----|-----------------|-----------|
|                           | True (ug/l)               | Found (ug/l) | %R    | True (ug/l)                  | Found (ug/l) | %R    |     |                 |           |
| Methylene chloride        | 10                        | 11           | 110   | 10                           | 10           | 100   | 10  | 70-130          | 20        |
| 1,1-Dichloroethane        | 10                        | 12           | 120   | 10                           | 12           | 120   | 0   | 70-130          | 20        |
| Chloroform                | 10                        | 11           | 110   | 10                           | 11           | 110   | 0   | 70-130          | 20        |
| Carbon tetrachloride      | 10                        | 12           | 120   | 10                           | 11           | 110   | 9   | 63-132          | 20        |
| 1,2-Dichloropropane       | 10                        | 11           | 110   | 10                           | 11           | 110   | 0   | 70-130          | 20        |
| Dibromochloromethane      | 10                        | 8.9          | 89    | 10                           | 9.2          | 92    | 3   | 63-130          | 20        |
| 1,1,2-Trichloroethane     | 10                        | 9.2          | 92    | 10                           | 9.5          | 95    | 3   | 70-130          | 20        |
| Tetrachloroethene         | 10                        | 11           | 110   | 10                           | 11           | 110   | 0   | 70-130          | 20        |
| Chlorobenzene             | 10                        | 10           | 100   | 10                           | 10           | 100   | 0   | 75-130          | 20        |
| Trichlorofluoromethane    | 10                        | 14           | 140   | 10                           | 14           | 140   | 0   | 62-150          | 20        |
| 1,2-Dichloroethane        | 10                        | 11           | 110   | 10                           | 12           | 120   | 9   | 70-130          | 20        |
| 1,1,1-Trichloroethane     | 10                        | 12           | 120   | 10                           | 12           | 120   | 0   | 67-130          | 20        |
| Bromodichloromethane      | 10                        | 10           | 100   | 10                           | 10           | 100   | 0   | 67-130          | 20        |
| trans-1,3-Dichloropropene | 10                        | 9.2          | 92    | 10                           | 9.5          | 95    | 3   | 70-130          | 20        |
| cis-1,3-Dichloropropene   | 10                        | 9.7          | 97    | 10                           | 9.9          | 99    | 2   | 70-130          | 20        |
| Bromoform                 | 10                        | 8.1          | 81    | 10                           | 8.7          | 87    | 7   | 54-136          | 20        |
| 1,1,2,2-Tetrachloroethane | 10                        | 7.9          | 79    | 10                           | 8.7          | 87    | 10  | 67-130          | 20        |
| Benzene                   | 10                        | 10           | 100   | 10                           | 10           | 100   | 0   | 70-130          | 20        |
| Toluene                   | 10                        | 9.9          | 99    | 10                           | 9.9          | 99    | 0   | 70-130          | 20        |
| Ethylbenzene              | 10                        | 10           | 100   | 10                           | 10           | 100   | 0   | 70-130          | 20        |
| Chloromethane             | 10                        | 11           | 110   | 10                           | 11           | 110   | 0   | 64-130          | 20        |
| Bromomethane              | 10                        | 8.3          | 83    | 10                           | 8.7          | 87    | 5   | 39-139          | 20        |
| Vinyl chloride            | 10                        | 13           | 130   | 10                           | 13           | 130   | 0   | 55-140          | 20        |
| Chloroethane              | 10                        | 14           | 140 Q | 10                           | 14           | 140 Q | 0   | 55-138          | 20        |
| 1,1-Dichloroethene        | 10                        | 12           | 120   | 10                           | 12           | 120   | 0   | 61-145          | 20        |
| trans-1,2-Dichloroethene  | 10                        | 11           | 110   | 10                           | 11           | 110   | 0   | 70-130          | 20        |



# Laboratory Control Sample Summary

## Form 3

### Volatiles

Client : Benchmark & Turnkey Companies      Lab Number : L2316882  
 Project Name : 293 PATRIOT WAY      Project Number : 0127-023-001  
 Matrix (Level) : WATER (LOW)  
 LCS Sample ID : WG1763545-3      Analysis Date : 04/05/23 06:58      File ID : V05230405A01  
 LCSD Sample ID : WG1763545-4      Analysis Date : 04/05/23 07:21      File ID : V05230405A02

| Parameter                   | Laboratory Control Sample |              |     | Laboratory Control Duplicate |              |     | RPD | Recovery Limits | RPD Limit |
|-----------------------------|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
|                             | True (ug/l)               | Found (ug/l) | %R  | True (ug/l)                  | Found (ug/l) | %R  |     |                 |           |
| Trichloroethene             | 10                        | 12           | 120 | 10                           | 11           | 110 | 9   | 70-130          | 20        |
| 1,2-Dichlorobenzene         | 10                        | 9.5          | 95  | 10                           | 9.8          | 98  | 3   | 70-130          | 20        |
| 1,3-Dichlorobenzene         | 10                        | 9.8          | 98  | 10                           | 10           | 100 | 2   | 70-130          | 20        |
| 1,4-Dichlorobenzene         | 10                        | 9.6          | 96  | 10                           | 9.8          | 98  | 2   | 70-130          | 20        |
| Methyl tert butyl ether     | 10                        | 9.5          | 95  | 10                           | 10           | 100 | 5   | 63-130          | 20        |
| p/m-Xylene                  | 20                        | 20           | 100 | 20                           | 21           | 105 | 5   | 70-130          | 20        |
| o-Xylene                    | 20                        | 20           | 100 | 20                           | 20           | 100 | 0   | 70-130          | 20        |
| cis-1,2-Dichloroethene      | 10                        | 11           | 110 | 10                           | 11           | 110 | 0   | 70-130          | 20        |
| Styrene                     | 20                        | 20           | 100 | 20                           | 20           | 100 | 0   | 70-130          | 20        |
| Dichlorodifluoromethane     | 10                        | 13           | 130 | 10                           | 13           | 130 | 0   | 36-147          | 20        |
| Acetone                     | 10                        | 8.6          | 86  | 10                           | 10           | 100 | 15  | 58-148          | 20        |
| Carbon disulfide            | 10                        | 11           | 110 | 10                           | 11           | 110 | 0   | 51-130          | 20        |
| 2-Butanone                  | 10                        | 8.5          | 85  | 10                           | 8.1          | 81  | 5   | 63-138          | 20        |
| 4-Methyl-2-pentanone        | 10                        | 8.1          | 81  | 10                           | 9.3          | 93  | 14  | 59-130          | 20        |
| 2-Hexanone                  | 10                        | 7.4          | 74  | 10                           | 8.4          | 84  | 13  | 57-130          | 20        |
| Bromochloromethane          | 10                        | 10           | 100 | 10                           | 11           | 110 | 10  | 70-130          | 20        |
| 1,2-Dibromoethane           | 10                        | 8.8          | 88  | 10                           | 9.5          | 95  | 8   | 70-130          | 20        |
| 1,2-Dibromo-3-chloropropane | 10                        | 7.1          | 71  | 10                           | 7.9          | 79  | 11  | 41-144          | 20        |
| Isopropylbenzene            | 10                        | 9.7          | 97  | 10                           | 9.7          | 97  | 0   | 70-130          | 20        |
| 1,2,3-Trichlorobenzene      | 10                        | 8.5          | 85  | 10                           | 9.4          | 94  | 10  | 70-130          | 20        |
| 1,2,4-Trichlorobenzene      | 10                        | 8.9          | 89  | 10                           | 9.6          | 96  | 8   | 70-130          | 20        |
| Methyl Acetate              | 10                        | 9.1          | 91  | 10                           | 11           | 110 | 19  | 70-130          | 20        |
| Cyclohexane                 | 10                        | 13           | 130 | 10                           | 13           | 130 | 0   | 70-130          | 20        |
| 1,4-Dioxane                 | 500                       | 480          | 96  | 500                          | 550          | 110 | 14  | 56-162          | 20        |
| Freon-113                   | 10                        | 12           | 120 | 10                           | 12           | 120 | 0   | 70-130          | 20        |
| Methyl cyclohexane          | 10                        | 11           | 110 | 10                           | 11           | 110 | 0   | 70-130          | 20        |





**Method Blank Summary  
Form 4  
Volatiles**

|               |                                 |                |                  |
|---------------|---------------------------------|----------------|------------------|
| Client        | : Benchmark & Turnkey Companies | Lab Number     | : L2316882       |
| Project Name  | : 293 PATRIOT WAY               | Project Number | : 0127-023-001   |
| Lab Sample ID | : WG1763545-5                   | Lab File ID    | : V05230405A05   |
| Instrument ID | : VOA105                        |                |                  |
| Matrix        | : WATER                         | Analysis Date  | : 04/05/23 08:31 |

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1763545-3LCS    | WG1763545-3   | 04/05/23 06:58 |
| WG1763545-4LCSD   | WG1763545-4   | 04/05/23 07:21 |
| MW-7              | L2316882-01   | 04/05/23 08:54 |
| MW-7B             | L2316882-02D  | 04/05/23 09:17 |
| MW-8              | L2316882-03D  | 04/05/23 09:40 |

**Instrument Performance Check (Tune) Summary**  
**Form 5**  
**Volatiles**  
**Bromofluorobenzene (BFB)**

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Client : Benchmark & Turnkey Companies | Lab Number : L2316882             |
| Project Name : 293 PATRIOT WAY         | Project Number : 0127-023-001     |
| Instrument ID : VOA105                 | Analysis Date : 02/08/23 12:34    |
| Tune Standard : WG1742505-1            | Tune File ID : V05230208BBF1_tune |

| m/e | Ion Abundance Criteria                        | %Relative Abundance |
|-----|-----------------------------------------------|---------------------|
| 50  | 15.0 - 40.0% of mass 95                       | 22.5                |
| 75  | 30.0 - 80.0% of mass 95                       | 48                  |
| 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 )1             |
| 174 | Greater than 50.0% of mass 95                 | 75.1                |
| 175 | 5.0 - 9.0% of mass 174                        | 5.6 (7.4 )1         |
| 176 | Greater than 95.0% but less than 101% of mass | 72.8 (97 )1         |
| 177 | 5.0 - 9.0% of mass 176                        | 4.8 (6.6 )2         |

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

| Client Sample ID | Lab Sample ID | File ID      | Analysis Date/Time |
|------------------|---------------|--------------|--------------------|
| STD0.19PPB       | R1661175-1    | V05230208B03 | 02/08/23 13:34     |
| STD0.5PPB        | R1661175-2    | V05230208B05 | 02/08/23 14:21     |
| STD2PPB          | R1661175-4    | V05230208B07 | 02/08/23 15:07     |
| STD10PPB         | R1661175-3    | V05230208B08 | 02/08/23 15:30     |
| STD30PPB         | R1661175-5    | V05230208B09 | 02/08/23 15:54     |
| STD80PPB         | R1661175-6    | V05230208B10 | 02/08/23 16:17     |
| STD120PPB        | R1661175-7    | V05230208B11 | 02/08/23 16:40     |
| STD200PPB        | R1661175-8    | V05230208B12 | 02/08/23 17:03     |
| ICV Quant Report | R1661175-9    | V05230208B17 | 02/08/23 18:59     |

# Instrument Performance Check (Tune) Summary

## Form 5

### Volatiles

### Bromofluorobenzene (BFB)

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Client : Benchmark & Turnkey Companies | Lab Number : L2316882             |
| Project Name : 293 PATRIOT WAY         | Project Number : 0127-023-001     |
| Instrument ID : VOA105                 | Analysis Date : 04/05/23 06:44    |
| Tune Standard : WG1763545-1            | Tune File ID : V05230405ABF1_tune |

| m/e | Ion Abundance Criteria                        | %Relative Abundance |
|-----|-----------------------------------------------|---------------------|
| 50  | 15.0 - 40.0% of mass 95                       | 23.1                |
| 75  | 30.0 - 80.0% of mass 95                       | 52.1                |
| 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 (.3 )1          |
| 174 | Greater than 50.0% of mass 95                 | 82.2                |
| 175 | 5.0 - 9.0% of mass 174                        | 6 (7.4 )1           |
| 176 | Greater than 95.0% but less than 101% of mass | 79.1 (96.2)1        |
| 177 | 5.0 - 9.0% of mass 176                        | 5.3 (6.6 )2         |

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

| Client Sample ID | Lab Sample ID | File ID      | Analysis Date/Time |
|------------------|---------------|--------------|--------------------|
| WG1763545-2CCAL  | WG1763545-2   | V05230405A01 | 04/05/23 06:58     |
| WG1763545-3LCS   | WG1763545-3   | V05230405A01 | 04/05/23 06:58     |
| WG1763545-4LCSD  | WG1763545-4   | V05230405A02 | 04/05/23 07:21     |
| WG1763545-5BLANK | WG1763545-5   | V05230405A05 | 04/05/23 08:31     |
| MW-7             | L2316882-01   | V05230405A06 | 04/05/23 08:54     |
| MW-7B            | L2316882-02D  | V05230405A07 | 04/05/23 09:17     |
| MW-8             | L2316882-03D  | V05230405A08 | 04/05/23 09:40     |

# Internal Standard Area and RT Summary

## Form 8a

### Volatiles

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Instrument ID : VOA105  
 Sample No : WG1763545-2

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Analysis Date : 04/05/23 06:58:00  
 Lab File ID : V05230405A01

|                   | Fluorobenzene (IS) |      | Chlorobenzene-d5 |      | 1,4-Dichlorobenzene-D4 |       |
|-------------------|--------------------|------|------------------|------|------------------------|-------|
|                   | Area               | RT   | Area             | RT   | Area                   | RT    |
| WG1763545-2       | 400859             | 5.79 | 328581           | 9.29 | 190093                 | 12.05 |
| Upper Limit       | 801718             | 6.29 | 657162           | 9.79 | 380186                 | 12.55 |
| Lower Limit       | 200430             | 5.29 | 164291           | 8.79 | 95047                  | 11.55 |
| Sample ID         |                    |      |                  |      |                        |       |
| WG1763545-3 LCS   | 400859             | 5.79 | 328581           | 9.29 | 190093                 | 12.05 |
| WG1763545-4 LCSD  | 401551             | 5.79 | 330085           | 9.29 | 192437                 | 12.05 |
| WG1763545-5 BLANK | 375371             | 5.79 | 314974           | 9.29 | 184984                 | 12.05 |
| MW-7              | 370094             | 5.79 | 312523           | 9.29 | 178424                 | 12.05 |
| MW-7B             | 380194             | 5.79 | 311781           | 9.29 | 180518                 | 12.05 |
| MW-8              | 371234             | 5.79 | 311349           | 9.29 | 179145                 | 12.05 |

Area Upper Limit = +100% of internal standard area  
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT  
 RT Lower Limit = -0.50 minutes of internal standard RT

\* Values outside of QC limits





Date Created: 03/15/23  
Created By: Jason Hebert  
File: PM14094-1  
Page: 1

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days  
Container / Sample Preservation: 3 - Vial HCl preserved

| Analyte                    | CAS #       | RL   | MDL    | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |  |  |
|----------------------------|-------------|------|--------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--|
| Methylene chloride         | 75-09-2     | 3    | 0.678  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,1-Dichloroethane         | 75-34-3     | 0.75 | 0.21   | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Chloroform                 | 67-66-3     | 0.75 | 0.222  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Carbon tetrachloride       | 56-23-5     | 0.5  | 0.134  | ug/l  | 63-132       | 20      | 63-132      | 20     | 20            |                    |  |  |
| 1,2-Dichloropropane        | 78-87-5     | 1.75 | 0.137  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Dibromochloromethane       | 124-48-1    | 0.5  | 0.149  | ug/l  | 63-130       | 20      | 63-130      | 20     | 20            |                    |  |  |
| 1,1,2-Trichloroethane      | 79-00-5     | 0.75 | 0.144  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Tetrachloroethene          | 127-18-4    | 0.5  | 0.181  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Chlorobenzene              | 108-90-7    | 0.5  | 0.178  | ug/l  | 75-130       | 25      | 75-130      | 25     | 25            |                    |  |  |
| Trichlorofluoromethane     | 75-69-4     | 2.5  | 0.161  | ug/l  | 62-150       | 20      | 62-150      | 20     | 20            |                    |  |  |
| 1,2-Dichloroethane         | 107-06-2    | 0.5  | 0.132  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,1,1-Trichloroethane      | 71-55-6     | 0.5  | 0.158  | ug/l  | 67-130       | 20      | 67-130      | 20     | 20            |                    |  |  |
| Bromodichloromethane       | 75-27-4     | 0.5  | 0.192  | ug/l  | 67-130       | 20      | 67-130      | 20     | 20            |                    |  |  |
| trans-1,3-Dichloropropene  | 10061-02-6  | 0.5  | 0.164  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| cis-1,3-Dichloropropene    | 10061-01-5  | 0.5  | 0.144  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,3-Dichloropropene, Total | 542-75-6    | 0.5  | 0.144  | ug/l  |              |         |             | 20     | 20            |                    |  |  |
| 1,1-Dichloropropene        | 563-58-6    | 2.5  | 0.24   | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Bromoform                  | 75-25-2     | 2    | 0.248  | ug/l  | 54-136       | 20      | 54-136      | 20     | 20            |                    |  |  |
| 1,1,2,2-Tetrachloroethane  | 79-34-5     | 0.5  | 0.167  | ug/l  | 67-130       | 20      | 67-130      | 20     | 20            |                    |  |  |
| Benzene                    | 71-43-2     | 0.5  | 0.159  | ug/l  | 70-130       | 25      | 70-130      | 25     | 25            |                    |  |  |
| Toluene                    | 108-88-3    | 0.75 | 0.203  | ug/l  | 70-130       | 25      | 70-130      | 25     | 25            |                    |  |  |
| Ethylbenzene               | 100-41-4    | 0.5  | 0.167  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Chloromethane              | 74-87-3     | 2.5  | 0.2    | ug/l  | 64-130       | 20      | 64-130      | 20     | 20            |                    |  |  |
| Bromomethane               | 74-83-9     | 1    | 0.256  | ug/l  | 39-139       | 20      | 39-139      | 20     | 20            |                    |  |  |
| Vinyl chloride             | 75-01-4     | 1    | 0.0714 | ug/l  | 55-140       | 20      | 55-140      | 20     | 20            |                    |  |  |
| Chloroethane               | 75-00-3     | 1    | 0.134  | ug/l  | 55-138       | 20      | 55-138      | 20     | 20            |                    |  |  |
| 1,1-Dichloroethene         | 75-35-4     | 0.5  | 0.169  | ug/l  | 61-145       | 25      | 61-145      | 25     | 25            |                    |  |  |
| trans-1,2-Dichloroethene   | 156-60-5    | 0.75 | 0.163  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,2-Dichloroethene (total) | 540-59-0    | 0.5  | 0.163  | ug/l  |              |         |             | 20     | 20            |                    |  |  |
| Trichloroethene            | 79-01-6     | 0.5  | 0.175  | ug/l  | 70-130       | 25      | 70-130      | 25     | 25            |                    |  |  |
| 1,2-Dichlorobenzene        | 95-50-1     | 2.5  | 0.184  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,3-Dichlorobenzene        | 541-73-1    | 2.5  | 0.186  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,4-Dichlorobenzene        | 106-46-7    | 2.5  | 0.187  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Methyl tert butyl ether    | 1634-04-4   | 1    | 0.166  | ug/l  | 63-130       | 20      | 63-130      | 20     | 20            |                    |  |  |
| p/m-Xylene                 | 179601-23-1 | 1    | 0.332  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| o-Xylene                   | 95-47-6     | 1    | 0.392  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Xylene (Total)             | 1330-20-7   | 1    | 0.33   | ug/l  |              |         |             | 20     | 20            |                    |  |  |
| cis-1,2-Dichloroethene     | 156-59-2    | 0.5  | 0.187  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Dibromomethane             | 74-95-3     | 5    | 0.363  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,4-Dichlorobutane         | 110-56-5    | 5    | 0.464  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,2,3-Trichloropropane     | 96-18-4     | 5    | 0.176  | ug/l  | 64-130       | 20      | 64-130      | 20     | 20            |                    |  |  |
| Styrene                    | 100-42-5    | 1    | 0.359  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)  
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 03/15/23  
Created By: Jason Hebert  
File: PM14094-1  
Page: 2

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days  
Container / Sample Preservation: 3 - Vial HCl preserved

| Analyte                     | CAS #      | RL  | MDL   | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |  |  |
|-----------------------------|------------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--|
| Dichlorodifluoromethane     | 75-71-8    | 5   | 0.244 | ug/l  | 36-147       | 20      | 36-147      | 20     | 20            |                    |  |  |
| Acetone                     | 67-64-1    | 5   | 1.46  | ug/l  | 58-148       | 20      | 58-148      | 20     | 20            |                    |  |  |
| Carbon disulfide            | 75-15-0    | 5   | 0.299 | ug/l  | 51-130       | 20      | 51-130      | 20     | 20            |                    |  |  |
| 2-Butanone                  | 78-93-3    | 5   | 1.94  | ug/l  | 63-138       | 20      | 63-138      | 20     | 20            |                    |  |  |
| Vinyl acetate               | 108-05-4   | 5   | 0.311 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 4-Methyl-2-pentanone        | 108-10-1   | 5   | 0.416 | ug/l  | 59-130       | 20      | 59-130      | 20     | 20            |                    |  |  |
| 2-Hexanone                  | 591-78-6   | 5   | 0.515 | ug/l  | 57-130       | 20      | 57-130      | 20     | 20            |                    |  |  |
| Ethyl methacrylate          | 97-63-2    | 5   | 0.606 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Acrylonitrile               | 107-13-1   | 5   | 0.43  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Bromochloromethane          | 74-97-5    | 2.5 | 0.152 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Tetrahydrofuran             | 109-99-9   | 5   | 0.525 | ug/l  | 58-130       | 20      | 58-130      | 20     | 20            |                    |  |  |
| 2,2-Dichloropropane         | 594-20-7   | 2.5 | 0.204 | ug/l  | 63-133       | 20      | 63-133      | 20     | 20            |                    |  |  |
| 1,2-Dibromoethane           | 106-93-4   | 2   | 0.193 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,3-Dichloropropane         | 142-28-9   | 2.5 | 0.212 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,1,1,2-Tetrachloroethane   | 630-20-6   | 0.5 | 0.164 | ug/l  | 64-130       | 20      | 64-130      | 20     | 20            |                    |  |  |
| Bromobenzene                | 108-86-1   | 2.5 | 0.152 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| n-Butylbenzene              | 104-51-8   | 0.5 | 0.192 | ug/l  | 53-136       | 20      | 53-136      | 20     | 20            |                    |  |  |
| sec-Butylbenzene            | 135-98-8   | 0.5 | 0.181 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| tert-Butylbenzene           | 98-06-6    | 2.5 | 0.196 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| o-Chlorotoluene             | 95-49-8    | 2.5 | 0.215 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| p-Chlorotoluene             | 106-43-4   | 2.5 | 0.185 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,2-Dibromo-3-chloropropane | 96-12-8    | 2.5 | 0.353 | ug/l  | 41-144       | 20      | 41-144      | 20     | 20            |                    |  |  |
| Hexachlorobutadiene         | 87-68-3    | 0.5 | 0.217 | ug/l  | 63-130       | 20      | 63-130      | 20     | 20            |                    |  |  |
| Isopropylbenzene            | 98-82-8    | 0.5 | 0.187 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| p-Isopropyltoluene          | 99-87-6    | 0.5 | 0.188 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Naphthalene                 | 91-20-3    | 2.5 | 0.216 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| n-Propylbenzene             | 103-65-1   | 0.5 | 0.173 | ug/l  | 69-130       | 20      | 69-130      | 20     | 20            |                    |  |  |
| 1,2,3-Trichlorobenzene      | 87-61-6    | 2.5 | 0.234 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,2,4-Trichlorobenzene      | 120-82-1   | 2.5 | 0.22  | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| 1,3,5-Trimethylbenzene      | 108-67-8   | 2.5 | 0.217 | ug/l  | 64-130       | 20      | 64-130      | 20     | 20            |                    |  |  |
| 1,2,4-Trimethylbenzene      | 95-63-6    | 2.5 | 0.191 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| trans-1,4-Dichloro-2-butene | 110-57-6   | 2.5 | 0.213 | ug/l  | 70-130       | 20      | 70-130      | 20     | 20            |                    |  |  |
| Ethyl ether                 | 60-29-7    | 2.5 | 0.163 | ug/l  | 59-134       | 20      | 59-134      | 20     | 20            |                    |  |  |
| 1,2-Dichloroethane-d4       | 17060-07-0 |     |       |       |              |         |             |        |               | 70-130             |  |  |
| Toluene-d8                  | 2037-26-5  |     |       |       |              |         |             |        |               | 70-130             |  |  |
| 4-Bromofluorobenzene        | 460-00-4   |     |       |       |              |         |             |        |               | 70-130             |  |  |
| Dibromofluoromethane        | 1868-53-7  |     |       |       |              |         |             |        |               | 70-130             |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)  
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA







Date Created: 03/15/23  
Created By: Jason Hebert  
File: PM14095-1  
Page: 1

VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days  
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

| Analyte                    | CAS #       | RL  | MDL   | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |  |  |
|----------------------------|-------------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--|
| Methylene chloride         | 75-09-2     | 5   | 2.29  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,1-Dichloroethane         | 75-34-3     | 1   | 0.145 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Chloroform                 | 67-66-3     | 1.5 | 0.14  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Carbon tetrachloride       | 56-23-5     | 1   | 0.23  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2-Dichloropropane        | 78-87-5     | 1   | 0.125 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Dibromochloromethane       | 124-48-1    | 1   | 0.14  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,1,2-Trichloroethane      | 79-00-5     | 1   | 0.267 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Tetrachloroethene          | 127-18-4    | 0.5 | 0.196 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Chlorobenzene              | 108-90-7    | 0.5 | 0.127 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Trichlorofluoromethane     | 75-69-4     | 4   | 0.695 | ug/kg | 70-139       | 30      | 70-139      | 30     | 30            |                    |  |  |
| 1,2-Dichloroethane         | 107-06-2    | 1   | 0.257 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,1,1-Trichloroethane      | 71-55-6     | 0.5 | 0.167 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Bromodichloromethane       | 75-27-4     | 0.5 | 0.109 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| trans-1,3-Dichloropropene  | 10061-02-6  | 1   | 0.273 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| cis-1,3-Dichloropropene    | 10061-01-5  | 0.5 | 0.158 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,3-Dichloropropene, Total | 542-75-6    | 0.5 | 0.158 | ug/kg |              |         |             | 30     | 30            |                    |  |  |
| 1,1-Dichloropropene        | 563-58-6    | 0.5 | 0.159 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Bromoform                  | 75-25-2     | 4   | 0.246 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,1,2,2-Tetrachloroethane  | 79-34-5     | 0.5 | 0.166 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Benzene                    | 71-43-2     | 0.5 | 0.166 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Toluene                    | 108-88-3    | 1   | 0.543 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Ethylbenzene               | 100-41-4    | 1   | 0.141 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Chloromethane              | 74-87-3     | 4   | 0.932 | ug/kg | 52-130       | 30      | 52-130      | 30     | 30            |                    |  |  |
| Bromomethane               | 74-83-9     | 2   | 0.581 | ug/kg | 57-147       | 30      | 57-147      | 30     | 30            |                    |  |  |
| Vinyl chloride             | 75-01-4     | 1   | 0.335 | ug/kg | 67-130       | 30      | 67-130      | 30     | 30            |                    |  |  |
| Chloroethane               | 75-00-3     | 2   | 0.452 | ug/kg | 50-151       | 30      | 50-151      | 30     | 30            |                    |  |  |
| 1,1-Dichloroethene         | 75-35-4     | 1   | 0.238 | ug/kg | 65-135       | 30      | 65-135      | 30     | 30            |                    |  |  |
| trans-1,2-Dichloroethene   | 156-60-5    | 1.5 | 0.137 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Trichloroethene            | 79-01-6     | 0.5 | 0.137 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2-Dichlorobenzene        | 95-50-1     | 2   | 0.144 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,3-Dichlorobenzene        | 541-73-1    | 2   | 0.148 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,4-Dichlorobenzene        | 106-46-7    | 2   | 0.171 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Methyl tert butyl ether    | 1634-04-4   | 2   | 0.201 | ug/kg | 66-130       | 30      | 66-130      | 30     | 30            |                    |  |  |
| p/m-Xylene                 | 179601-23-1 | 2   | 0.56  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| o-Xylene                   | 95-47-6     | 1   | 0.291 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Xylene (Total)             | 1330-20-7   | 1   | 0.291 | ug/kg |              |         |             | 30     | 30            |                    |  |  |
| cis-1,2-Dichloroethene     | 156-59-2    | 1   | 0.175 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2-Dichloroethene (total) | 540-59-0    | 1   | 0.137 | ug/kg |              |         |             | 30     | 30            |                    |  |  |
| Dibromomethane             | 74-95-3     | 2   | 0.238 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,4-Dichlorobutane         | 110-56-5    | 10  | 0.226 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2,3-Trichloropropane     | 96-18-4     | 2   | 0.127 | ug/kg | 68-130       | 30      | 68-130      | 30     | 30            |                    |  |  |
| Styrene                    | 100-42-5    | 1   | 0.196 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)  
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA





Date Created: 03/15/23  
Created By: Jason Hebert  
File: PM14095-1  
Page: 2

VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days  
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

| Analyte                     | CAS #      | RL  | MDL   | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |  |  |
|-----------------------------|------------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--|
| Dichlorodifluoromethane     | 75-71-8    | 10  | 0.915 | ug/kg | 30-146       | 30      | 30-146      | 30     | 30            |                    |  |  |
| Acetone                     | 67-64-1    | 25  | 10    | ug/kg | 54-140       | 30      | 54-140      | 30     | 30            |                    |  |  |
| Carbon disulfide            | 75-15-0    | 10  | 4.55  | ug/kg | 59-130       | 30      | 59-130      | 30     | 30            |                    |  |  |
| 2-Butanone                  | 78-93-3    | 10  | 2.22  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Vinyl acetate               | 108-05-4   | 10  | 2.15  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 4-Methyl-2-pentanone        | 108-10-1   | 10  | 1.28  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 2-Hexanone                  | 591-78-6   | 10  | 1.18  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Ethyl methacrylate          | 97-63-2    | 10  | 1.58  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Acrylonitrile               | 107-13-1   | 4   | 1.15  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Bromochloromethane          | 74-97-5    | 2   | 0.205 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Tetrahydrofuran             | 109-99-9   | 4   | 1.59  | ug/kg | 66-130       | 30      | 66-130      | 30     | 30            |                    |  |  |
| 2,2-Dichloropropane         | 594-20-7   | 2   | 0.202 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2-Dibromoethane           | 106-93-4   | 1   | 0.279 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,3-Dichloropropane         | 142-28-9   | 2   | 0.167 | ug/kg | 69-130       | 30      | 69-130      | 30     | 30            |                    |  |  |
| 1,1,1,2-Tetrachloroethane   | 630-20-6   | 0.5 | 0.132 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Bromobenzene                | 108-86-1   | 2   | 0.145 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| n-Butylbenzene              | 104-51-8   | 1   | 0.167 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| sec-Butylbenzene            | 135-98-8   | 1   | 0.146 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| tert-Butylbenzene           | 98-06-6    | 2   | 0.118 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| o-Chlorotoluene             | 95-49-8    | 2   | 0.191 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| p-Chlorotoluene             | 106-43-4   | 2   | 0.108 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2-Dibromo-3-chloropropane | 96-12-8    | 3   | 0.998 | ug/kg | 68-130       | 30      | 68-130      | 30     | 30            |                    |  |  |
| Hexachlorobutadiene         | 87-68-3    | 4   | 0.169 | ug/kg | 67-130       | 30      | 67-130      | 30     | 30            |                    |  |  |
| Isopropylbenzene            | 98-82-8    | 1   | 0.109 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| p-Isopropyltoluene          | 99-87-6    | 1   | 0.109 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Naphthalene                 | 91-20-3    | 4   | 0.65  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| n-Propylbenzene             | 103-65-1   | 1   | 0.171 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2,3-Trichlorobenzene      | 87-61-6    | 2   | 0.322 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2,4-Trichlorobenzene      | 120-82-1   | 2   | 0.272 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,3,5-Trimethylbenzene      | 108-67-8   | 2   | 0.193 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| 1,2,4-Trimethylbenzene      | 95-63-6    | 2   | 0.334 | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| trans-1,4-Dichloro-2-butene | 110-57-6   | 5   | 1.42  | ug/kg | 70-130       | 30      | 70-130      | 30     | 30            |                    |  |  |
| Ethyl ether                 | 60-29-7    | 2   | 0.341 | ug/kg | 67-130       | 30      | 67-130      | 30     | 30            |                    |  |  |
| 1,2-Dichloroethane-d4       | 17060-07-0 |     |       |       |              |         |             |        |               | 70-130             |  |  |
| Toluene-d8                  | 2037-26-5  |     |       |       |              |         |             |        |               | 70-130             |  |  |
| 4-Bromofluorobenzene        | 460-00-4   |     |       |       |              |         |             |        |               | 70-130             |  |  |
| Dibromofluoromethane        | 1868-53-7  |     |       |       |              |         |             |        |               | 70-130             |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |
|                             |            |     |       |       |              |         |             |        |               |                    |  |  |

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)  
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com

Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA



## **Volatiles Sample Data**

# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-01  
 Client ID : MW-7  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A06  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 12:00  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 08:54  
 Dilution Factor : 1  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.    | Parameter                 | ug/L    |      |      | Qualifier |
|------------|---------------------------|---------|------|------|-----------|
|            |                           | Results | RL   | MDL  |           |
| 75-09-2    | Methylene chloride        | ND      | 2.5  | 0.70 | U         |
| 75-34-3    | 1,1-Dichloroethane        | ND      | 2.5  | 0.70 | U         |
| 67-66-3    | Chloroform                | ND      | 2.5  | 0.70 | U         |
| 56-23-5    | Carbon tetrachloride      | ND      | 0.50 | 0.13 | U         |
| 78-87-5    | 1,2-Dichloropropane       | ND      | 1.0  | 0.14 | U         |
| 124-48-1   | Dibromochloromethane      | ND      | 0.50 | 0.15 | U         |
| 79-00-5    | 1,1,2-Trichloroethane     | ND      | 1.5  | 0.50 | U         |
| 127-18-4   | Tetrachloroethene         | ND      | 0.50 | 0.18 | U         |
| 108-90-7   | Chlorobenzene             | ND      | 2.5  | 0.70 | U         |
| 75-69-4    | Trichlorofluoromethane    | ND      | 2.5  | 0.70 | U         |
| 107-06-2   | 1,2-Dichloroethane        | ND      | 0.50 | 0.13 | U         |
| 71-55-6    | 1,1,1-Trichloroethane     | ND      | 2.5  | 0.70 | U         |
| 75-27-4    | Bromodichloromethane      | ND      | 0.50 | 0.19 | U         |
| 10061-02-6 | trans-1,3-Dichloropropene | ND      | 0.50 | 0.16 | U         |
| 10061-01-5 | cis-1,3-Dichloropropene   | ND      | 0.50 | 0.14 | U         |
| 75-25-2    | Bromoform                 | ND      | 2.0  | 0.65 | U         |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND      | 0.50 | 0.17 | U         |
| 71-43-2    | Benzene                   | 0.16    | 0.50 | 0.16 | J         |
| 108-88-3   | Toluene                   | ND      | 2.5  | 0.70 | U         |
| 100-41-4   | Ethylbenzene              | ND      | 2.5  | 0.70 | U         |
| 74-87-3    | Chloromethane             | ND      | 2.5  | 0.70 | U         |
| 74-83-9    | Bromomethane              | ND      | 2.5  | 0.70 | U         |
| 75-01-4    | Vinyl chloride            | ND      | 1.0  | 0.07 | U         |
| 75-00-3    | Chloroethane              | ND      | 2.5  | 0.70 | U         |
| 75-35-4    | 1,1-Dichloroethene        | ND      | 0.50 | 0.17 | U         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-01  
 Client ID : MW-7  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A06  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 12:00  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 08:54  
 Dilution Factor : 1  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.     | Parameter                   | ug/L    |      |      | Qualifier |
|-------------|-----------------------------|---------|------|------|-----------|
|             |                             | Results | RL   | MDL  |           |
| 156-60-5    | trans-1,2-Dichloroethene    | ND      | 2.5  | 0.70 | U         |
| 79-01-6     | Trichloroethene             | 0.22    | 0.50 | 0.18 | J         |
| 95-50-1     | 1,2-Dichlorobenzene         | ND      | 2.5  | 0.70 | U         |
| 541-73-1    | 1,3-Dichlorobenzene         | ND      | 2.5  | 0.70 | U         |
| 106-46-7    | 1,4-Dichlorobenzene         | ND      | 2.5  | 0.70 | U         |
| 1634-04-4   | Methyl tert butyl ether     | ND      | 2.5  | 0.70 | U         |
| 179601-23-1 | p/m-Xylene                  | ND      | 2.5  | 0.70 | U         |
| 95-47-6     | o-Xylene                    | ND      | 2.5  | 0.70 | U         |
| 156-59-2    | cis-1,2-Dichloroethene      | ND      | 2.5  | 0.70 | U         |
| 100-42-5    | Styrene                     | ND      | 2.5  | 0.70 | U         |
| 75-71-8     | Dichlorodifluoromethane     | ND      | 5.0  | 1.0  | U         |
| 67-64-1     | Acetone                     | 1.6     | 5.0  | 1.5  | J         |
| 75-15-0     | Carbon disulfide            | ND      | 5.0  | 1.0  | U         |
| 78-93-3     | 2-Butanone                  | ND      | 5.0  | 1.9  | U         |
| 108-10-1    | 4-Methyl-2-pentanone        | ND      | 5.0  | 1.0  | U         |
| 591-78-6    | 2-Hexanone                  | ND      | 5.0  | 1.0  | U         |
| 74-97-5     | Bromochloromethane          | ND      | 2.5  | 0.70 | U         |
| 106-93-4    | 1,2-Dibromoethane           | ND      | 2.0  | 0.65 | U         |
| 96-12-8     | 1,2-Dibromo-3-chloropropane | ND      | 2.5  | 0.70 | U         |
| 98-82-8     | Isopropylbenzene            | ND      | 2.5  | 0.70 | U         |
| 87-61-6     | 1,2,3-Trichlorobenzene      | ND      | 2.5  | 0.70 | U         |
| 120-82-1    | 1,2,4-Trichlorobenzene      | ND      | 2.5  | 0.70 | U         |
| 79-20-9     | Methyl Acetate              | ND      | 2.0  | 0.23 | U         |
| 110-82-7    | Cyclohexane                 | ND      | 10   | 0.27 | U         |
| 123-91-1    | 1,4-Dioxane                 | ND      | 250  | 61.  | U         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-01  
 Client ID : MW-7  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A06  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 12:00  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 08:54  
 Dilution Factor : 1  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.  | Parameter          | ug/L    |     |      | Qualifier |
|----------|--------------------|---------|-----|------|-----------|
|          |                    | Results | RL  | MDL  |           |
| 76-13-1  | Freon-113          | ND      | 2.5 | 0.70 | U         |
| 108-87-2 | Methyl cyclohexane | ND      | 10  | 0.40 | U         |





# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-02D  
 Client ID : MW-7B  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A07  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 11:30  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 09:17  
 Dilution Factor : 2  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.    | Parameter                 | ug/L    |     |      | Qualifier |
|------------|---------------------------|---------|-----|------|-----------|
|            |                           | Results | RL  | MDL  |           |
| 75-09-2    | Methylene chloride        | ND      | 5.0 | 1.4  | U         |
| 75-34-3    | 1,1-Dichloroethane        | 3.0     | 5.0 | 1.4  | J         |
| 67-66-3    | Chloroform                | ND      | 5.0 | 1.4  | U         |
| 56-23-5    | Carbon tetrachloride      | ND      | 1.0 | 0.27 | U         |
| 78-87-5    | 1,2-Dichloropropane       | ND      | 2.0 | 0.27 | U         |
| 124-48-1   | Dibromochloromethane      | ND      | 1.0 | 0.30 | U         |
| 79-00-5    | 1,1,2-Trichloroethane     | ND      | 3.0 | 1.0  | U         |
| 127-18-4   | Tetrachloroethene         | 14      | 1.0 | 0.36 |           |
| 108-90-7   | Chlorobenzene             | ND      | 5.0 | 1.4  | U         |
| 75-69-4    | Trichlorofluoromethane    | ND      | 5.0 | 1.4  | U         |
| 107-06-2   | 1,2-Dichloroethane        | ND      | 1.0 | 0.26 | U         |
| 71-55-6    | 1,1,1-Trichloroethane     | ND      | 5.0 | 1.4  | U         |
| 75-27-4    | Bromodichloromethane      | ND      | 1.0 | 0.38 | U         |
| 10061-02-6 | trans-1,3-Dichloropropene | ND      | 1.0 | 0.33 | U         |
| 10061-01-5 | cis-1,3-Dichloropropene   | ND      | 1.0 | 0.29 | U         |
| 75-25-2    | Bromoform                 | ND      | 4.0 | 1.3  | U         |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND      | 1.0 | 0.33 | U         |
| 71-43-2    | Benzene                   | ND      | 1.0 | 0.32 | U         |
| 108-88-3   | Toluene                   | ND      | 5.0 | 1.4  | U         |
| 100-41-4   | Ethylbenzene              | ND      | 5.0 | 1.4  | U         |
| 74-87-3    | Chloromethane             | ND      | 5.0 | 1.4  | U         |
| 74-83-9    | Bromomethane              | ND      | 5.0 | 1.4  | U         |
| 75-01-4    | Vinyl chloride            | 10      | 2.0 | 0.14 |           |
| 75-00-3    | Chloroethane              | ND      | 5.0 | 1.4  | U         |
| 75-35-4    | 1,1-Dichloroethene        | 2.9     | 1.0 | 0.34 |           |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-02D  
 Client ID : MW-7B  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A07  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 11:30  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 09:17  
 Dilution Factor : 2  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.     | Parameter                   | ug/L    |     |      | Qualifier |
|-------------|-----------------------------|---------|-----|------|-----------|
|             |                             | Results | RL  | MDL  |           |
| 156-60-5    | trans-1,2-Dichloroethene    | 3.5     | 5.0 | 1.4  | J         |
| 79-01-6     | Trichloroethene             | 220     | 1.0 | 0.35 |           |
| 95-50-1     | 1,2-Dichlorobenzene         | ND      | 5.0 | 1.4  | U         |
| 541-73-1    | 1,3-Dichlorobenzene         | ND      | 5.0 | 1.4  | U         |
| 106-46-7    | 1,4-Dichlorobenzene         | ND      | 5.0 | 1.4  | U         |
| 1634-04-4   | Methyl tert butyl ether     | ND      | 5.0 | 1.4  | U         |
| 179601-23-1 | p/m-Xylene                  | ND      | 5.0 | 1.4  | U         |
| 95-47-6     | o-Xylene                    | ND      | 5.0 | 1.4  | U         |
| 156-59-2    | cis-1,2-Dichloroethene      | 52      | 5.0 | 1.4  |           |
| 100-42-5    | Styrene                     | ND      | 5.0 | 1.4  | U         |
| 75-71-8     | Dichlorodifluoromethane     | ND      | 10  | 2.0  | U         |
| 67-64-1     | Acetone                     | 7.1     | 10  | 2.9  | J         |
| 75-15-0     | Carbon disulfide            | ND      | 10  | 2.0  | U         |
| 78-93-3     | 2-Butanone                  | ND      | 10  | 3.9  | U         |
| 108-10-1    | 4-Methyl-2-pentanone        | ND      | 10  | 2.0  | U         |
| 591-78-6    | 2-Hexanone                  | ND      | 10  | 2.0  | U         |
| 74-97-5     | Bromochloromethane          | ND      | 5.0 | 1.4  | U         |
| 106-93-4    | 1,2-Dibromoethane           | ND      | 4.0 | 1.3  | U         |
| 96-12-8     | 1,2-Dibromo-3-chloropropane | ND      | 5.0 | 1.4  | U         |
| 98-82-8     | Isopropylbenzene            | ND      | 5.0 | 1.4  | U         |
| 87-61-6     | 1,2,3-Trichlorobenzene      | ND      | 5.0 | 1.4  | U         |
| 120-82-1    | 1,2,4-Trichlorobenzene      | ND      | 5.0 | 1.4  | U         |
| 79-20-9     | Methyl Acetate              | ND      | 4.0 | 0.47 | U         |
| 110-82-7    | Cyclohexane                 | ND      | 20  | 0.54 | U         |
| 123-91-1    | 1,4-Dioxane                 | ND      | 500 | 120  | U         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-02D  
 Client ID : MW-7B  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A07  
 Sample Amount : 5 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 11:30  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 09:17  
 Dilution Factor : 2  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.  | Parameter          | ug/L    |     |      | Qualifier |
|----------|--------------------|---------|-----|------|-----------|
|          |                    | Results | RL  | MDL  |           |
| 76-13-1  | Freon-113          | ND      | 5.0 | 1.4  | U         |
| 108-87-2 | Methyl cyclohexane | ND      | 20  | 0.79 | U         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-03D  
 Client ID : MW-8  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A08  
 Sample Amount : 4 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 10:00  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 09:40  
 Dilution Factor : 2.5  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.    | Parameter                 | ug/L    |     |      | Qualifier |
|------------|---------------------------|---------|-----|------|-----------|
|            |                           | Results | RL  | MDL  |           |
| 75-09-2    | Methylene chloride        | ND      | 6.2 | 1.8  | U         |
| 75-34-3    | 1,1-Dichloroethane        | ND      | 6.2 | 1.8  | U         |
| 67-66-3    | Chloroform                | ND      | 6.2 | 1.8  | U         |
| 56-23-5    | Carbon tetrachloride      | ND      | 1.2 | 0.34 | U         |
| 78-87-5    | 1,2-Dichloropropane       | ND      | 2.5 | 0.34 | U         |
| 124-48-1   | Dibromochloromethane      | ND      | 1.2 | 0.37 | U         |
| 79-00-5    | 1,1,2-Trichloroethane     | ND      | 3.8 | 1.2  | U         |
| 127-18-4   | Tetrachloroethene         | 4.5     | 1.2 | 0.45 |           |
| 108-90-7   | Chlorobenzene             | ND      | 6.2 | 1.8  | U         |
| 75-69-4    | Trichlorofluoromethane    | ND      | 6.2 | 1.8  | U         |
| 107-06-2   | 1,2-Dichloroethane        | ND      | 1.2 | 0.33 | U         |
| 71-55-6    | 1,1,1-Trichloroethane     | ND      | 6.2 | 1.8  | U         |
| 75-27-4    | Bromodichloromethane      | ND      | 1.2 | 0.48 | U         |
| 10061-02-6 | trans-1,3-Dichloropropene | ND      | 1.2 | 0.41 | U         |
| 10061-01-5 | cis-1,3-Dichloropropene   | ND      | 1.2 | 0.36 | U         |
| 75-25-2    | Bromoform                 | ND      | 5.0 | 1.6  | U         |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND      | 1.2 | 0.42 | U         |
| 71-43-2    | Benzene                   | ND      | 1.2 | 0.40 | U         |
| 108-88-3   | Toluene                   | ND      | 6.2 | 1.8  | U         |
| 100-41-4   | Ethylbenzene              | ND      | 6.2 | 1.8  | U         |
| 74-87-3    | Chloromethane             | ND      | 6.2 | 1.8  | U         |
| 74-83-9    | Bromomethane              | ND      | 6.2 | 1.8  | U         |
| 75-01-4    | Vinyl chloride            | 0.61    | 2.5 | 0.18 | J         |
| 75-00-3    | Chloroethane              | ND      | 6.2 | 1.8  | U         |
| 75-35-4    | 1,1-Dichloroethene        | 0.68    | 1.2 | 0.42 | J         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-03D  
 Client ID : MW-8  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A08  
 Sample Amount : 4 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 10:00  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 09:40  
 Dilution Factor : 2.5  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.     | Parameter                   | ug/L    |     |      | Qualifier |
|-------------|-----------------------------|---------|-----|------|-----------|
|             |                             | Results | RL  | MDL  |           |
| 156-60-5    | trans-1,2-Dichloroethene    | 6.4     | 6.2 | 1.8  |           |
| 79-01-6     | Trichloroethene             | 320     | 1.2 | 0.44 |           |
| 95-50-1     | 1,2-Dichlorobenzene         | ND      | 6.2 | 1.8  | U         |
| 541-73-1    | 1,3-Dichlorobenzene         | ND      | 6.2 | 1.8  | U         |
| 106-46-7    | 1,4-Dichlorobenzene         | ND      | 6.2 | 1.8  | U         |
| 1634-04-4   | Methyl tert butyl ether     | ND      | 6.2 | 1.8  | U         |
| 179601-23-1 | p/m-Xylene                  | ND      | 6.2 | 1.8  | U         |
| 95-47-6     | o-Xylene                    | ND      | 6.2 | 1.8  | U         |
| 156-59-2    | cis-1,2-Dichloroethene      | 310     | 6.2 | 1.8  |           |
| 100-42-5    | Styrene                     | ND      | 6.2 | 1.8  | U         |
| 75-71-8     | Dichlorodifluoromethane     | ND      | 12  | 2.5  | U         |
| 67-64-1     | Acetone                     | ND      | 12  | 3.6  | U         |
| 75-15-0     | Carbon disulfide            | ND      | 12  | 2.5  | U         |
| 78-93-3     | 2-Butanone                  | ND      | 12  | 4.8  | U         |
| 108-10-1    | 4-Methyl-2-pentanone        | ND      | 12  | 2.5  | U         |
| 591-78-6    | 2-Hexanone                  | ND      | 12  | 2.5  | U         |
| 74-97-5     | Bromochloromethane          | ND      | 6.2 | 1.8  | U         |
| 106-93-4    | 1,2-Dibromoethane           | ND      | 5.0 | 1.6  | U         |
| 96-12-8     | 1,2-Dibromo-3-chloropropane | ND      | 6.2 | 1.8  | U         |
| 98-82-8     | Isopropylbenzene            | ND      | 6.2 | 1.8  | U         |
| 87-61-6     | 1,2,3-Trichlorobenzene      | ND      | 6.2 | 1.8  | U         |
| 120-82-1    | 1,2,4-Trichlorobenzene      | ND      | 6.2 | 1.8  | U         |
| 79-20-9     | Methyl Acetate              | ND      | 5.0 | 0.58 | U         |
| 110-82-7    | Cyclohexane                 | ND      | 25  | 0.68 | U         |
| 123-91-1    | 1,4-Dioxane                 | ND      | 620 | 150  | U         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : L2316882-03D  
 Client ID : MW-8  
 Sample Location : ROCHESTER, NY  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A08  
 Sample Amount : 4 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : 03/31/23 10:00  
 Date Received : 03/31/23  
 Date Analyzed : 04/05/23 09:40  
 Dilution Factor : 2.5  
 Analyst : MKS  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.  | Parameter          | ug/L    |     |      | Qualifier |
|----------|--------------------|---------|-----|------|-----------|
|          |                    | Results | RL  | MDL  |           |
| 76-13-1  | Freon-113          | ND      | 6.2 | 1.8  | U         |
| 108-87-2 | Methyl cyclohexane | ND      | 25  | 0.99 | U         |





# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : WG1763545-5  
 Client ID : WG1763545-5BLANK  
 Sample Location :  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A05  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : NA  
 Date Received : NA  
 Date Analyzed : 04/05/23 08:31  
 Dilution Factor : 1  
 Analyst : PID  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.    | Parameter                 | ug/L    |      |      | Qualifier |
|------------|---------------------------|---------|------|------|-----------|
|            |                           | Results | RL   | MDL  |           |
| 75-09-2    | Methylene chloride        | ND      | 2.5  | 0.70 | U         |
| 75-34-3    | 1,1-Dichloroethane        | ND      | 2.5  | 0.70 | U         |
| 67-66-3    | Chloroform                | ND      | 2.5  | 0.70 | U         |
| 56-23-5    | Carbon tetrachloride      | ND      | 0.50 | 0.13 | U         |
| 78-87-5    | 1,2-Dichloropropane       | ND      | 1.0  | 0.14 | U         |
| 124-48-1   | Dibromochloromethane      | ND      | 0.50 | 0.15 | U         |
| 79-00-5    | 1,1,2-Trichloroethane     | ND      | 1.5  | 0.50 | U         |
| 127-18-4   | Tetrachloroethene         | ND      | 0.50 | 0.18 | U         |
| 108-90-7   | Chlorobenzene             | ND      | 2.5  | 0.70 | U         |
| 75-69-4    | Trichlorofluoromethane    | ND      | 2.5  | 0.70 | U         |
| 107-06-2   | 1,2-Dichloroethane        | ND      | 0.50 | 0.13 | U         |
| 71-55-6    | 1,1,1-Trichloroethane     | ND      | 2.5  | 0.70 | U         |
| 75-27-4    | Bromodichloromethane      | ND      | 0.50 | 0.19 | U         |
| 10061-02-6 | trans-1,3-Dichloropropene | ND      | 0.50 | 0.16 | U         |
| 10061-01-5 | cis-1,3-Dichloropropene   | ND      | 0.50 | 0.14 | U         |
| 75-25-2    | Bromoform                 | ND      | 2.0  | 0.65 | U         |
| 79-34-5    | 1,1,2,2-Tetrachloroethane | ND      | 0.50 | 0.17 | U         |
| 71-43-2    | Benzene                   | ND      | 0.50 | 0.16 | U         |
| 108-88-3   | Toluene                   | ND      | 2.5  | 0.70 | U         |
| 100-41-4   | Ethylbenzene              | ND      | 2.5  | 0.70 | U         |
| 74-87-3    | Chloromethane             | ND      | 2.5  | 0.70 | U         |
| 74-83-9    | Bromomethane              | ND      | 2.5  | 0.70 | U         |
| 75-01-4    | Vinyl chloride            | ND      | 1.0  | 0.07 | U         |
| 75-00-3    | Chloroethane              | ND      | 2.5  | 0.70 | U         |
| 75-35-4    | 1,1-Dichloroethene        | ND      | 0.50 | 0.17 | U         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : WG1763545-5  
 Client ID : WG1763545-5BLANK  
 Sample Location :  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A05  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : NA  
 Date Received : NA  
 Date Analyzed : 04/05/23 08:31  
 Dilution Factor : 1  
 Analyst : PID  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.     | Parameter                   | ug/L    |      |      | Qualifier |
|-------------|-----------------------------|---------|------|------|-----------|
|             |                             | Results | RL   | MDL  |           |
| 156-60-5    | trans-1,2-Dichloroethene    | ND      | 2.5  | 0.70 | U         |
| 79-01-6     | Trichloroethene             | ND      | 0.50 | 0.18 | U         |
| 95-50-1     | 1,2-Dichlorobenzene         | ND      | 2.5  | 0.70 | U         |
| 541-73-1    | 1,3-Dichlorobenzene         | ND      | 2.5  | 0.70 | U         |
| 106-46-7    | 1,4-Dichlorobenzene         | ND      | 2.5  | 0.70 | U         |
| 1634-04-4   | Methyl tert butyl ether     | ND      | 2.5  | 0.70 | U         |
| 179601-23-1 | p/m-Xylene                  | ND      | 2.5  | 0.70 | U         |
| 95-47-6     | o-Xylene                    | ND      | 2.5  | 0.70 | U         |
| 156-59-2    | cis-1,2-Dichloroethene      | ND      | 2.5  | 0.70 | U         |
| 100-42-5    | Styrene                     | ND      | 2.5  | 0.70 | U         |
| 75-71-8     | Dichlorodifluoromethane     | ND      | 5.0  | 1.0  | U         |
| 67-64-1     | Acetone                     | ND      | 5.0  | 1.5  | U         |
| 75-15-0     | Carbon disulfide            | ND      | 5.0  | 1.0  | U         |
| 78-93-3     | 2-Butanone                  | ND      | 5.0  | 1.9  | U         |
| 108-10-1    | 4-Methyl-2-pentanone        | ND      | 5.0  | 1.0  | U         |
| 591-78-6    | 2-Hexanone                  | ND      | 5.0  | 1.0  | U         |
| 74-97-5     | Bromochloromethane          | ND      | 2.5  | 0.70 | U         |
| 106-93-4    | 1,2-Dibromoethane           | ND      | 2.0  | 0.65 | U         |
| 96-12-8     | 1,2-Dibromo-3-chloropropane | ND      | 2.5  | 0.70 | U         |
| 98-82-8     | Isopropylbenzene            | ND      | 2.5  | 0.70 | U         |
| 87-61-6     | 1,2,3-Trichlorobenzene      | ND      | 2.5  | 0.70 | U         |
| 120-82-1    | 1,2,4-Trichlorobenzene      | ND      | 2.5  | 0.70 | U         |
| 79-20-9     | Methyl Acetate              | ND      | 2.0  | 0.23 | U         |
| 110-82-7    | Cyclohexane                 | ND      | 10   | 0.27 | U         |
| 123-91-1    | 1,4-Dioxane                 | ND      | 250  | 61.  | U         |



# Results Summary

## Form 1

### Volatile Organics by GC/MS

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Lab ID : WG1763545-5  
 Client ID : WG1763545-5BLANK  
 Sample Location :  
 Sample Matrix : WATER  
 Analytical Method : 1,8260D  
 Lab File ID : V05230405A05  
 Sample Amount : 10 ml  
 Level : LOW  
 Extract Volume (MeOH) : N/A

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Date Collected : NA  
 Date Received : NA  
 Date Analyzed : 04/05/23 08:31  
 Dilution Factor : 1  
 Analyst : PID  
 Instrument ID : VOA105  
 GC Column : RTX-502.2  
 %Solids : N/A  
 Injection Volume : N/A

| CAS NO.  | Parameter          | ug/L    |     |      | Qualifier |
|----------|--------------------|---------|-----|------|-----------|
|          |                    | Results | RL  | MDL  |           |
| 76-13-1  | Freon-113          | ND      | 2.5 | 0.70 | U         |
| 108-87-2 | Methyl cyclohexane | ND      | 10  | 0.40 | U         |



## Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A06.d  
 Acq On : 5 Apr 2023 8:54 am  
 Operator : VOA105:MKS  
 Sample : L2316882-01,31,10,10,,A  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 09:09:21 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                     | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                        |                |      |                    |        |        |          |
| Internal Standards           |                |      |                    |        |        |          |
| 1) Fluorobenzene             | 5.792          | 96   | 370094             | 10.000 | ug/L   | 0.00     |
| Standard Area 1 = 400859     |                |      | Recovery = 92.33%  |        |        |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 312523             | 10.000 | ug/L   | 0.00     |
| Standard Area 1 = 328581     |                |      | Recovery = 95.11%  |        |        |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 178424             | 10.000 | ug/L   | 0.00     |
| Standard Area 1 = 190093     |                |      | Recovery = 93.86%  |        |        |          |
| System Monitoring Compounds  |                |      |                    |        |        |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 109977             | 11.192 | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = 111.92% |        |        |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 126724             | 11.864 | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = 118.64% |        |        |          |
| 60) Toluene-d8               | 7.464          | 98   | 393261             | 9.887  | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = 98.87%  |        |        |          |
| 83) 4-Bromofluorobenzene     | 10.822         | 95   | 149931             | 9.096  | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = 90.96%  |        |        |          |
| Target Compounds             |                |      |                    |        |        |          |
| 2) Dichlorodifluoromethane   | 1.400          | 85   | 90                 | N.D.   |        |          |
| 3) Chloromethane             | 0.000          |      | 0                  | N.D.   | d      |          |
| 4) Vinyl chloride            | 0.000          |      | 0                  | N.D.   |        |          |
| 5) Bromomethane              | 2.095          | 94   | 252                | N.D.   |        |          |
| 6) Chloroethane              | 2.192          | 64   | 217                | N.D.   |        |          |
| 7) Trichlorofluoromethane    | 0.000          |      | 0                  | N.D.   |        |          |
| 10) 1,1-Dichloroethene       | 0.000          |      | 0                  | N.D.   |        |          |
| 11) Carbon disulfide         | 2.828          | 76   | 1112               | N.D.   |        |          |
| 12) Freon-113                | 0.000          |      | 0                  | N.D.   |        |          |
| 15) Methylene chloride       | 0.000          |      | 0                  | N.D.   |        |          |
| 17) Acetone                  | 3.415          | 43   | 2717               | 1.636  | ug/L # | 83       |
| 18) trans-1,2-Dichloroethene | 0.000          |      | 0                  | N.D.   |        |          |
| 19) Methyl acetate           | 0.000          |      | 0                  | N.D.   | d      |          |
| 20) Methyl tert-butyl ether  | 0.000          |      | 0                  | N.D.   |        |          |
| 23) 1,1-Dichloroethane       | 0.000          |      | 0                  | N.D.   |        |          |
| 28) cis-1,2-Dichloroethene   | 4.579          | 96   | 134                | N.D.   |        |          |
| 30) Bromochloromethane       | 0.000          |      | 0                  | N.D.   |        |          |
| 31) Cyclohexane              | 4.745          | 56   | 2697               | 0.150  | ug/L   | 66       |
| 32) Chloroform               | 4.833          | 83   | 1632               | 0.106  | ug/L # | 89       |
| 34) Carbon tetrachloride     | 0.000          |      | 0                  | N.D.   |        |          |

## Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A06.d  
 Acq On : 5 Apr 2023 8:54 am  
 Operator : VOA105:MKS  
 Sample : L2316882-01,31,10,10,,A  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 09:09:21 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                       | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1,1,1-Trichloroethane      | 0.000  |      | 0        | N.D.  |        |          |
| 39) 2-Butanone                 | 5.176  | 43   | 121      | N.D.  |        |          |
| 41) Benzene                    | 5.381  | 78   | 5637     | 0.165 | ug/L # | 88       |
| 44) 1,2-Dichloroethane         | 0.000  |      | 0        | N.D.  |        |          |
| 47) Methylcyclohexane          | 5.939  | 83   | 2918     | 0.184 | ug/L # | 44       |
| 48) Trichloroethene            | 5.978  | 95   | 2000     | 0.217 | ug/L # | 69       |
| 51) 1,2-Dichloropropane        | 0.000  |      | 0        | N.D.  |        |          |
| 54) Bromodichloromethane       | 6.584  | 83   | 421      | N.D.  |        |          |
| 57) 1,4-Dioxane                | 0.000  |      | 0        | N.D.  |        |          |
| 58) cis-1,3-Dichloropropene    | 0.000  |      | 0        | N.D.  |        |          |
| 61) Toluene                    | 7.523  | 92   | 6000     | 0.250 | ug/L   | 88       |
| 62) 4-Methyl-2-pentanone       | 0.000  |      | 0        | N.D.  |        |          |
| 63) Tetrachloroethene          | 0.000  |      | 0        | N.D.  |        |          |
| 65) trans-1,3-Dichloropropene  | 0.000  |      | 0        | N.D.  |        |          |
| 68) 1,1,2-Trichloroethane      | 8.198  | 83   | 353      | N.D.  |        |          |
| 69) Chlorodibromomethane       | 0.000  |      | 0        | N.D.  |        |          |
| 71) 1,2-Dibromoethane          | 0.000  |      | 0        | N.D.  |        |          |
| 72) 2-Hexanone                 | 8.981  | 43   | 116      | N.D.  |        |          |
| 73) Chlorobenzene              | 0.000  |      | 0        | N.D.  |        |          |
| 74) Ethylbenzene               | 9.363  | 91   | 1436     | N.D.  |        |          |
| 76) p/m Xylene                 | 9.559  | 106  | 3473     | 0.192 | ug/L   | 86       |
| 77) o Xylene                   | 10.098 | 106  | 1103     | N.D.  |        |          |
| 78) Styrene                    | 0.000  |      | 0        | N.D.  |        |          |
| 80) Bromoform                  | 0.000  |      | 0        | N.D.  |        |          |
| 82) Isopropylbenzene           | 10.499 | 105  | 88       | N.D.  |        |          |
| 87) 1,1,2,2-Tetrachloroethane  | 0.000  |      | 0        | N.D.  |        |          |
| 100) 1,3-Dichlorobenzene       | 11.978 | 146  | 192      | N.D.  |        |          |
| 101) 1,4-Dichlorobenzene       | 12.067 | 146  | 251      | N.D.  |        |          |
| 104) 1,2-Dichlorobenzene       | 12.498 | 146  | 92       | N.D.  |        |          |
| 106) 1,2-Dibromo-3-chloropr... | 0.000  |      | 0        | N.D.  |        |          |
| 109) 1,2,4-Trichlorobenzene    | 13.918 | 180  | 377      | N.D.  |        |          |
| 111) 1,2,3-Trichlorobenzene    | 14.369 | 180  | 777      | 0.079 | ug/L # | 80       |

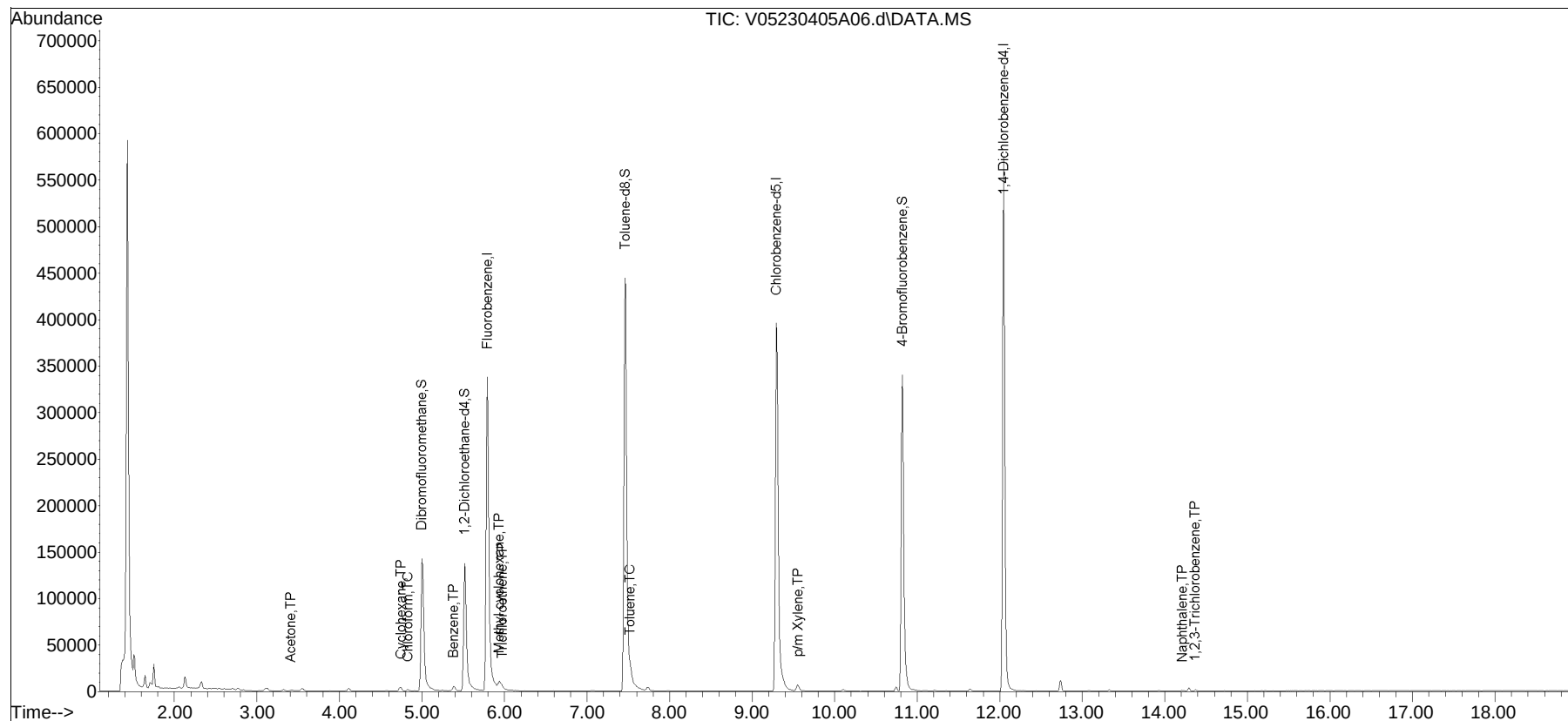
(#) = qualifier out of range (m) = manual integration (+) = signals summed

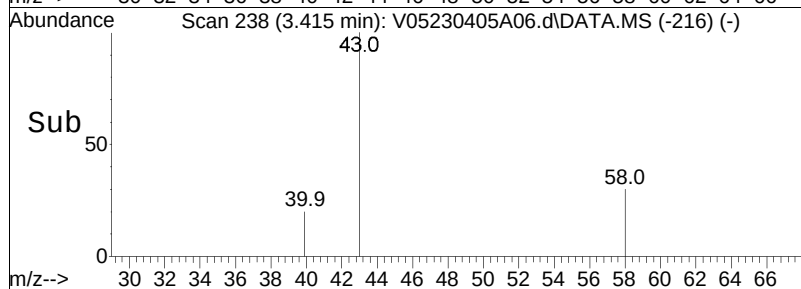
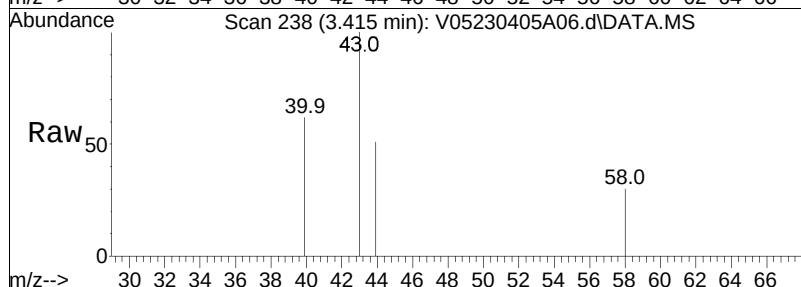
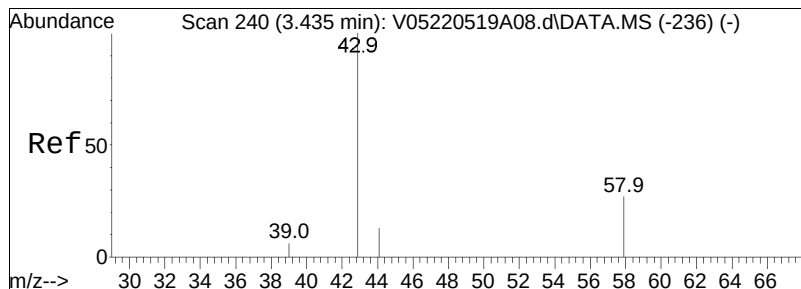
# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A06.d  
 Acq On : 5 Apr 2023 8:54 am  
 Operator : VOA105:MKS  
 Sample : L2316882-01,31,10,10,,A  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 09:09:21 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•





#17

Acetone

Concen: 1.64 ug/L

RT: 3.415 min Scan# 238

Delta R.T. 0.020 min

Lab File: V05230405A06.d

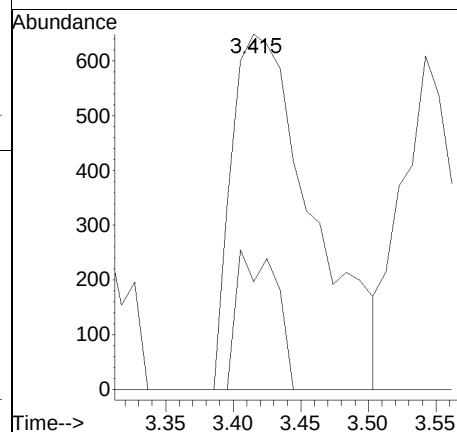
Acq: 5 Apr 2023 8:54 am

Tgt Ion: 43 Resp: 2717

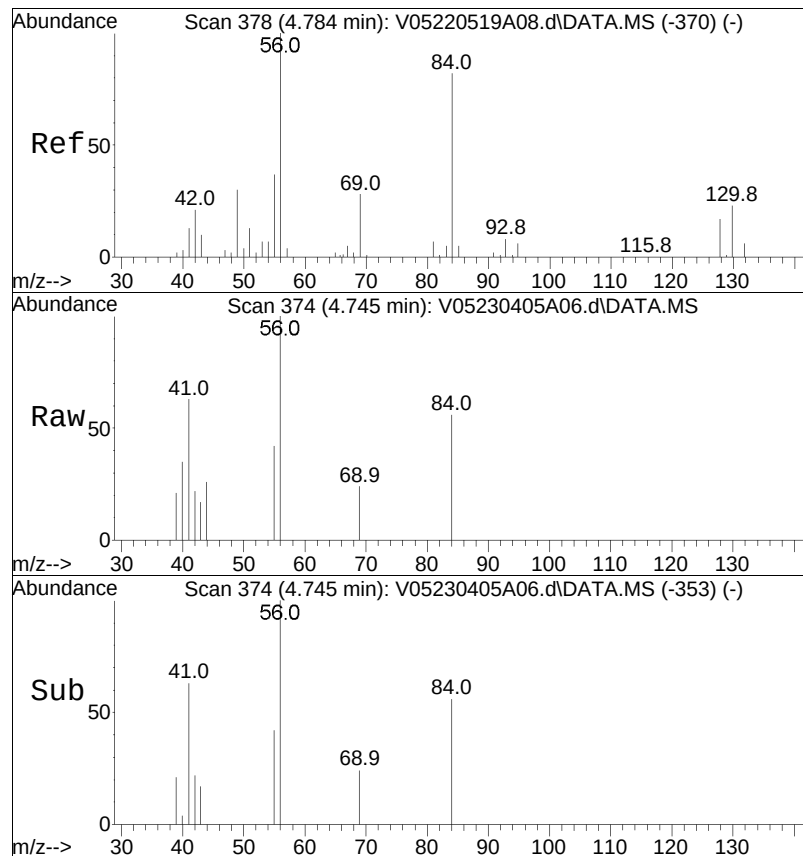
Ion Ratio Lower Upper

43 100

58 18.8 22.0 33.0#

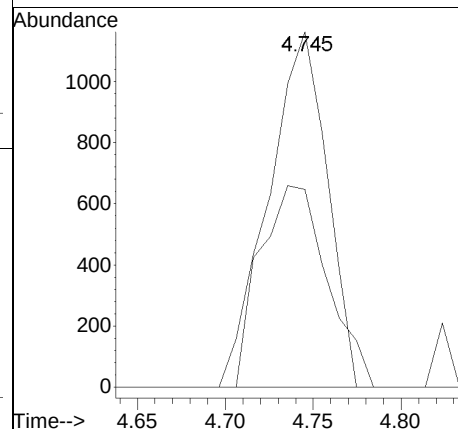


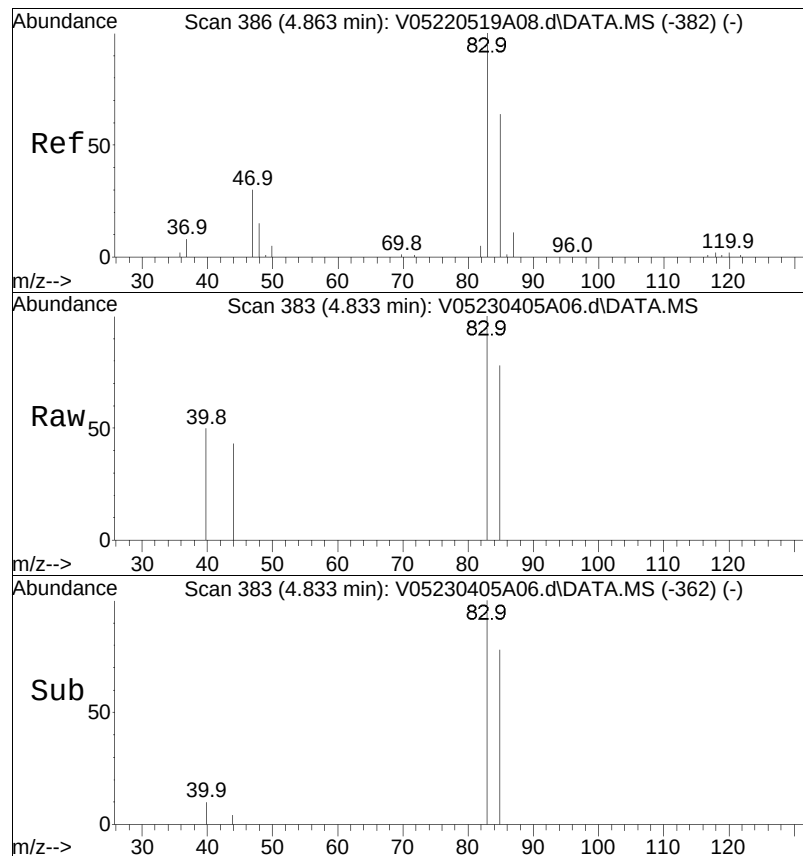




#31  
Cyclohexane  
Concen: 0.15 ug/L  
RT: 4.745 min Scan# 374  
Delta R.T. 0.010 min  
Lab File: V05230405A06.d  
Acq: 5 Apr 2023 8:54 am

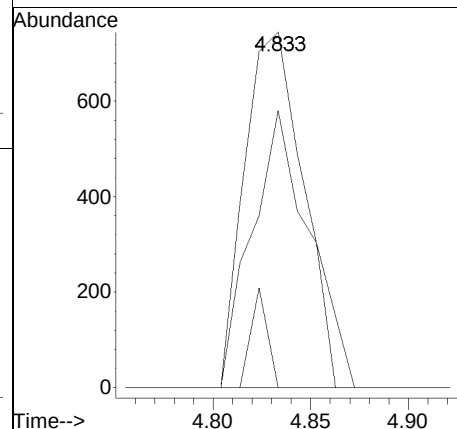
| Tgt | Ion  | Resp | Lower | Upper |
|-----|------|------|-------|-------|
| 56  | 100  | 2697 |       |       |
| 84  | 65.4 | 64.4 | 133.8 |       |

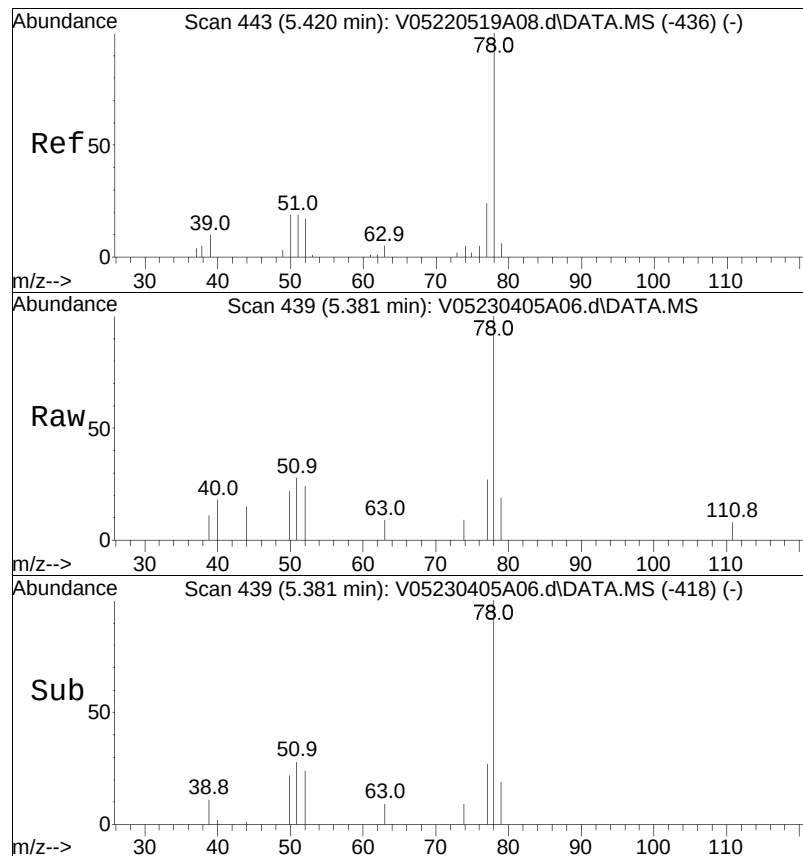




#32  
 Chloroform  
 Concen: 0.11 ug/L  
 RT: 4.833 min Scan# 383  
 Delta R.T. 0.010 min  
 Lab File: V05230405A06.d  
 Acq: 5 Apr 2023 8:54 am

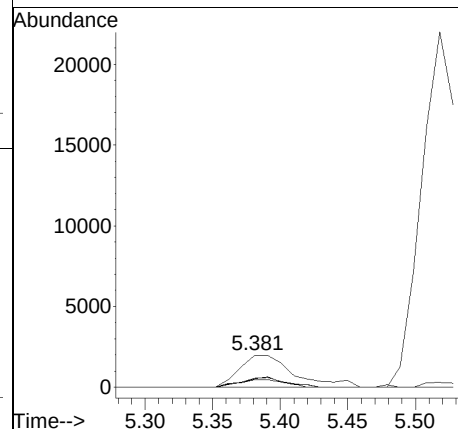
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion: 83 | Resp: | 1632  |
| Ion | Ratio   | Lower | Upper |
| 83  | 100     |       |       |
| 85  | 67.5    | 42.8  | 89.0  |
| 47  | 7.5     | 13.7  | 28.4# |
| 48  | 0.0     | 6.9   | 14.3# |

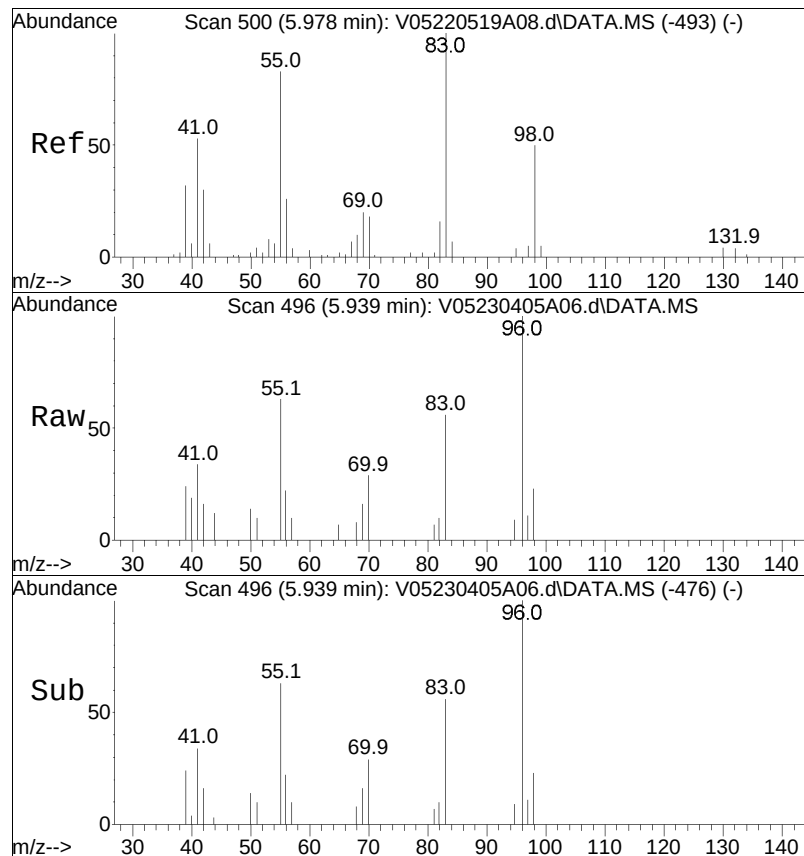




#41  
Benzene  
Concen: 0.16 ug/L  
RT: 5.381 min Scan# 439  
Delta R.T. 0.010 min  
Lab File: V05230405A06.d  
Acq: 5 Apr 2023 8:54 am

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 5637  |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 25.4  | 15.2  | 31.6  |
| 51       | 23.6  | 10.5  | 21.7# |
| 52       | 22.2  | 9.5   | 19.7# |





#47

Methyl cyclohexane

Concen: 0.18 ug/L

RT: 5.939 min Scan# 496

Delta R.T. 0.000 min

Lab File: V05230405A06.d

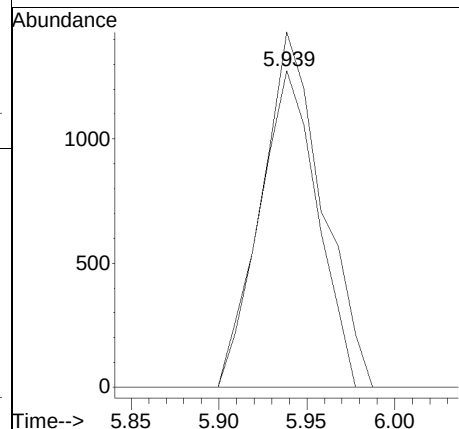
Acq: 5 Apr 2023 8:54 am

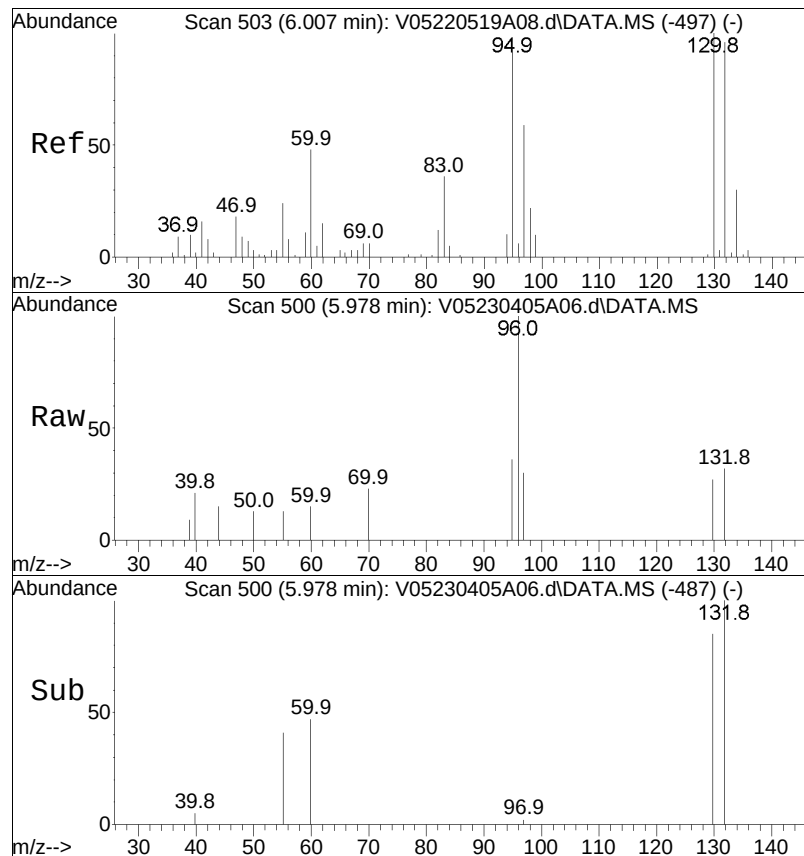
Tgt Ion: 83 Resp: 2918

Ion Ratio Lower Upper

83 100

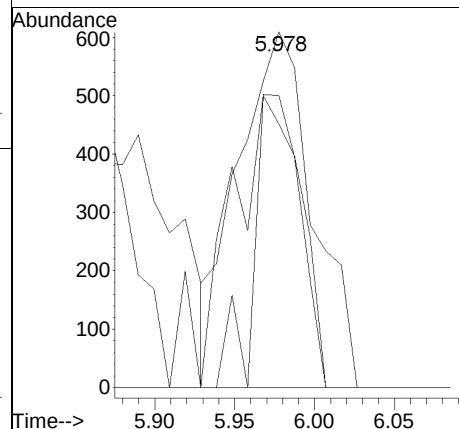
55 118.3 57.3 85.9#

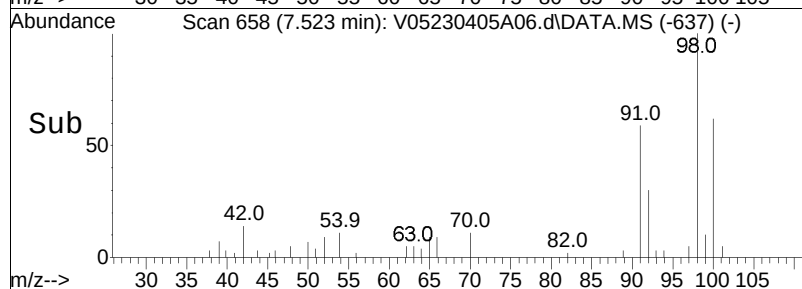
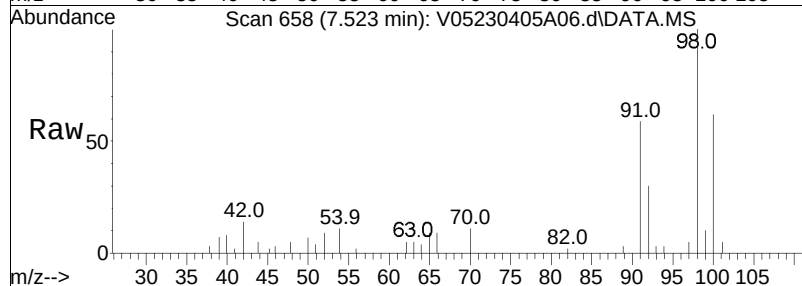
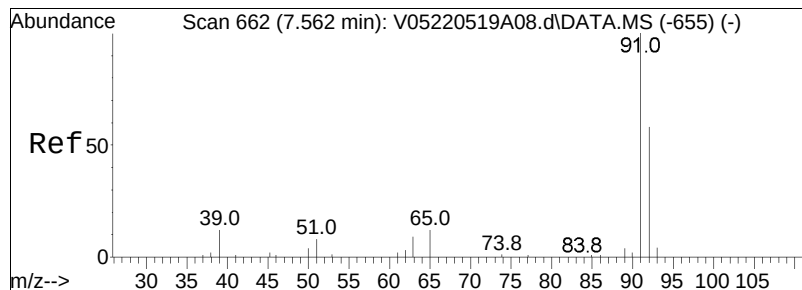




#48  
 Trichloroethene  
 Concen: 0.22 ug/L  
 RT: 5.978 min Scan# 500  
 Delta R.T. 0.010 min  
 Lab File: V05230405A06.d  
 Acq: 5 Apr 2023 8:54 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 97      | 78.7  | 56.1  | 84.1  |
| 130     | 51.7  | 77.7  | 116.5 |





#61

Toluene

Concen: 0.25 ug/L

RT: 7.523 min Scan# 658

Delta R.T. 0.010 min

Lab File: V05230405A06.d

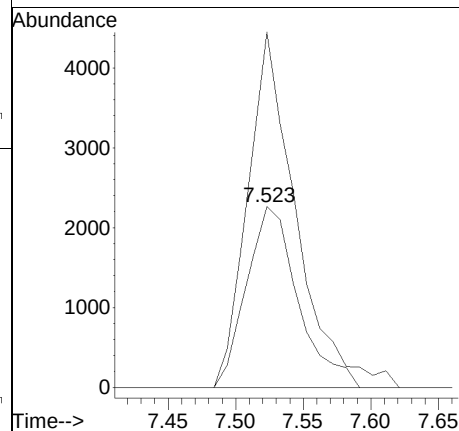
Acq: 5 Apr 2023 8:54 am

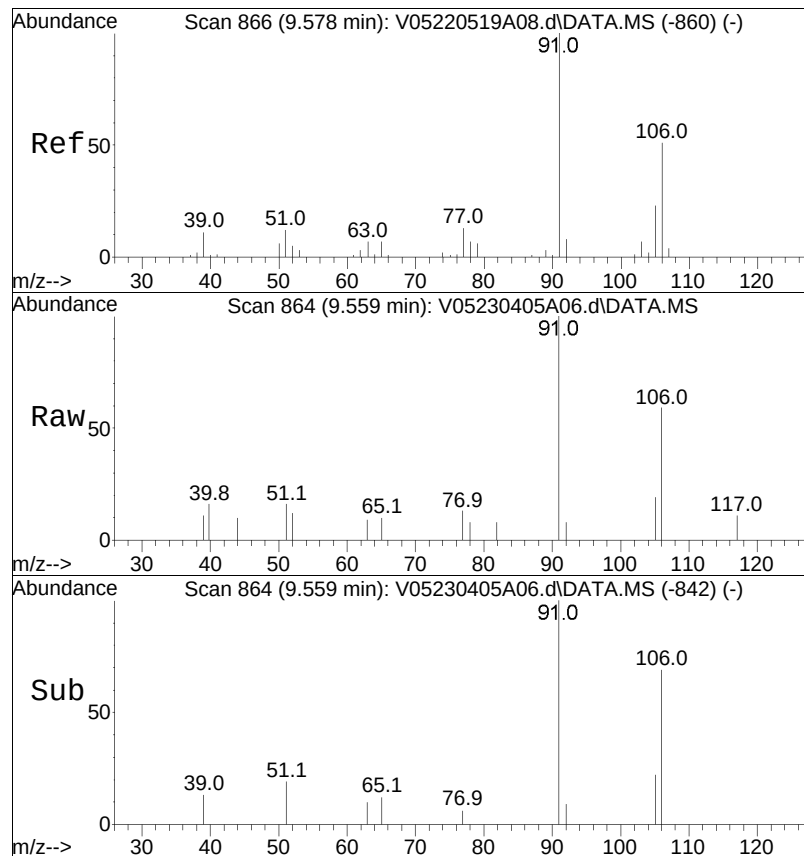
Tgt Ion: 92 Resp: 6000

Ion Ratio Lower Upper

92 100

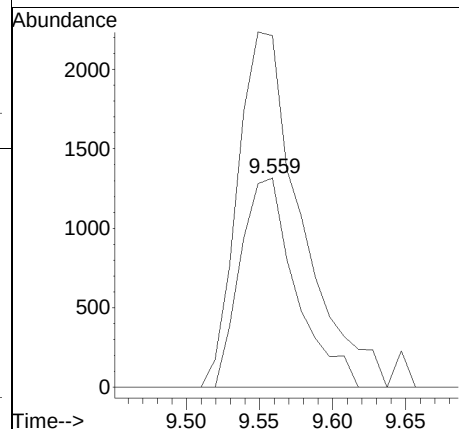
91 184.8 135.2 202.8



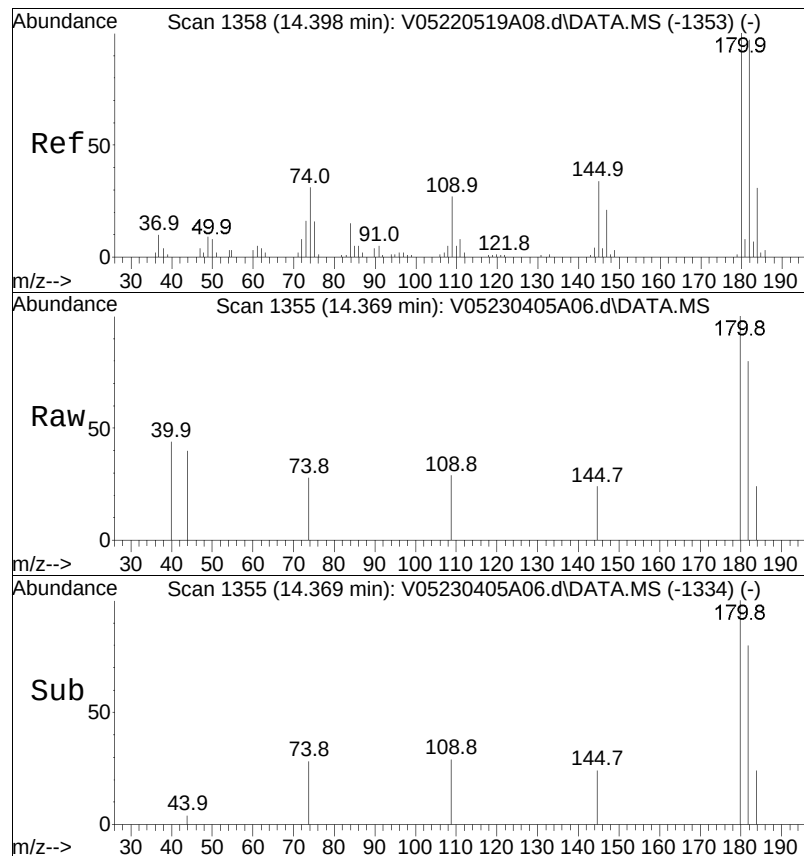


#76  
 p/m Xylene  
 Concen: 0.19 ug/L  
 RT: 9.559 min Scan# 864  
 Delta R.T. 0.020 min  
 Lab File: V05230405A06.d  
 Acq: 5 Apr 2023 8:54 am

| Tgt | Ion   | Ratio | Lower | Upper |
|-----|-------|-------|-------|-------|
| 106 | 100   |       |       |       |
| 91  | 198.5 | 177.2 | 265.8 |       |

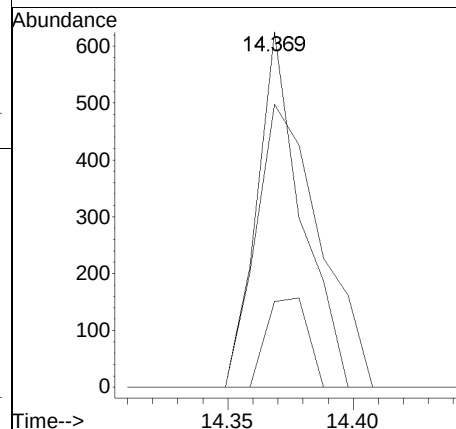






#111  
 1,2,3-Trichlorobenzene  
 Concen: 0.08 ug/L  
 RT: 14.369 min Scan# 1355  
 Delta R.T. 0.010 min  
 Lab File: V05230405A06.d  
 Acq: 5 Apr 2023 8:54 am

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 777    |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 114.5 | 75.5  | 113.3# |
| 145       | 23.3  | 26.5  | 39.7#  |



# Manual Integration Report

|            |                               |            |                       |
|------------|-------------------------------|------------|-----------------------|
| Data Path  | : I:\VOLATILES\VOA105\2023\20 | Method     | : V105_230208B_8260.m |
| Data File  | : V05230405A06.d              | Operator   | : VOA105:MKS          |
| Date Inj'd | : 4/5/2023 8:54 am            | Instrument | : VOA 105             |
| Sample     | : L2316882-01,31,10,10,,A     | Quant Date | : 4/6/2023 8:50 am    |

There are no manual integrations or false positives in this file.

## Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A07.d  
 Acq On : 5 Apr 2023 9:17 am  
 Operator : VOA105:MKS  
 Sample : L2316882-02D, 31, 5.0, 10, , A  
 Misc : WG1763545, ICAL19721  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 09:09:55 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 380194   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 400859     |                |      | Recovery | =      | 94.84%  |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 311781   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 328581     |                |      | Recovery | =      | 94.89%  |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 180518   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 190093     |                |      | Recovery | =      | 94.96%  |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 110185   | 10.915 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 109.15% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 130643   | 11.906 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 119.06% |          |
| 60) Toluene-d8               | 7.464          | 98   | 389455   | 9.814  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 98.14%  |          |
| 83) 4-Bromofluorobenzene     | 10.823         | 95   | 151280   | 9.072  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 90.72%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.410          | 85   | 192      | N.D.   |         |          |
| 3) Chloromethane             | 1.752          | 50   | 428      | N.D.   |         |          |
| 4) Vinyl chloride            | 1.801          | 62   | 48184    | 5.141  | ug/L    | 98       |
| 5) Bromomethane              | 2.095          | 94   | 119      | N.D.   |         |          |
| 6) Chloroethane              | 2.183          | 64   | 251      | N.D.   |         |          |
| 7) Trichlorofluoromethane    | 0.000          |      | 0        | N.D.   |         |          |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 11446    | 1.457  | ug/L    | 79       |
| 11) Carbon disulfide         | 2.828          | 76   | 14739    | 0.591  | ug/L    | 92       |
| 12) Freon-113                | 0.000          |      | 0        | N.D.   |         |          |
| 15) Methylene chloride       | 0.000          |      | 0        | N.D.   |         |          |
| 17) Acetone                  | 3.405          | 43   | 6081     | 3.565  | ug/L    | 95       |
| 18) trans-1,2-Dichloroethene | 3.493          | 96   | 15878    | 1.756  | ug/L    | 86       |
| 19) Methyl acetate           | 0.000          |      | 0        | N.D.   | d       |          |
| 20) Methyl tert-butyl ether  | 0.000          |      | 0        | N.D.   |         |          |
| 23) 1,1-Dichloroethane       | 4.061          | 63   | 26097    | 1.497  | ug/L    | 95       |
| 28) cis-1,2-Dichloroethene   | 4.569          | 96   | 261096   | 25.872 | ug/L #  | 83       |
| 30) Bromochloromethane       | 0.000          |      | 0        | N.D.   |         |          |
| 31) Cyclohexane              | 4.736          | 56   | 221      | N.D.   |         |          |
| 32) Chloroform               | 0.000          |      | 0        | N.D.   |         |          |
| 34) Carbon tetrachloride     | 0.000          |      | 0        | N.D.   |         |          |

## Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A07.d  
 Acq On : 5 Apr 2023 9:17 am  
 Operator : VOA105:MKS  
 Sample : L2316882-02D, 31, 5.0, 10,, A  
 Misc : WG1763545, ICAL19721  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 09:09:55 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                       | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 37) 1,1,1-Trichloroethane      | 0.000  |      | 0        |         | N.D.  |          |
| 39) 2-Butanone                 | 5.186  | 43   | 93       |         | N.D.  |          |
| 41) Benzene                    | 5.391  | 78   | 421      |         | N.D.  |          |
| 44) 1,2-Dichloroethane         | 0.000  |      | 0        |         | N.D.  |          |
| 47) Methyl cyclohexane         | 0.000  |      | 0        |         | N.D.  |          |
| 48) Trichloroethene            | 5.958  | 95   | 1062588  | 112.228 | ug/L  | 92       |
| 51) 1,2-Dichloropropane        | 0.000  |      | 0        |         | N.D.  |          |
| 54) Bromodichloromethane       | 0.000  |      | 0        |         | N.D.  |          |
| 57) 1,4-Dioxane                | 0.000  |      | 0        |         | N.D.  |          |
| 58) cis-1,3-Dichloropropene    | 0.000  |      | 0        |         | N.D.  |          |
| 61) Toluene                    | 7.513  | 92   | 478      |         | N.D.  |          |
| 62) 4-Methyl-2-pentanone       | 0.000  |      | 0        |         | N.D.  |          |
| 63) Tetrachloroethene          | 7.963  | 166  | 81268    | 7.286   | ug/L  | 91       |
| 65) trans-1,3-Dichloropropene  | 0.000  |      | 0        |         | N.D.  |          |
| 68) 1,1,2-Trichloroethane      | 0.000  |      | 0        |         | N.D.  |          |
| 69) Chlorodibromomethane       | 0.000  |      | 0        |         | N.D.  |          |
| 71) 1,2-Dibromoethane          | 0.000  |      | 0        |         | N.D.  |          |
| 72) 2-Hexanone                 | 0.000  |      | 0        |         | N.D.  |          |
| 73) Chlorobenzene              | 0.000  |      | 0        |         | N.D.  |          |
| 74) Ethylbenzene               | 9.294  | 91   | 466      |         | N.D.  |          |
| 76) p/m Xylene                 | 0.000  |      | 0        |         | N.D.  |          |
| 77) o Xylene                   | 0.000  |      | 0        |         | N.D.  |          |
| 78) Styrene                    | 0.000  |      | 0        |         | N.D.  |          |
| 80) Bromoform                  | 0.000  |      | 0        |         | N.D.  |          |
| 82) Isopropylbenzene           | 0.000  |      | 0        |         | N.D.  |          |
| 87) 1,1,2,2-Tetrachloroethane  | 0.000  |      | 0        |         | N.D.  |          |
| 100) 1,3-Dichlorobenzene       | 0.000  |      | 0        |         | N.D.  |          |
| 101) 1,4-Dichlorobenzene       | 0.000  |      | 0        |         | N.D.  |          |
| 104) 1,2-Dichlorobenzene       | 0.000  |      | 0        |         | N.D.  |          |
| 106) 1,2-Dibromo-3-chloropr... | 0.000  |      | 0        |         | N.D.  |          |
| 109) 1,2,4-Trichlorobenzene    | 13.928 | 180  | 102      |         | N.D.  |          |
| 111) 1,2,3-Trichlorobenzene    | 14.369 | 180  | 347      |         | N.D.  |          |

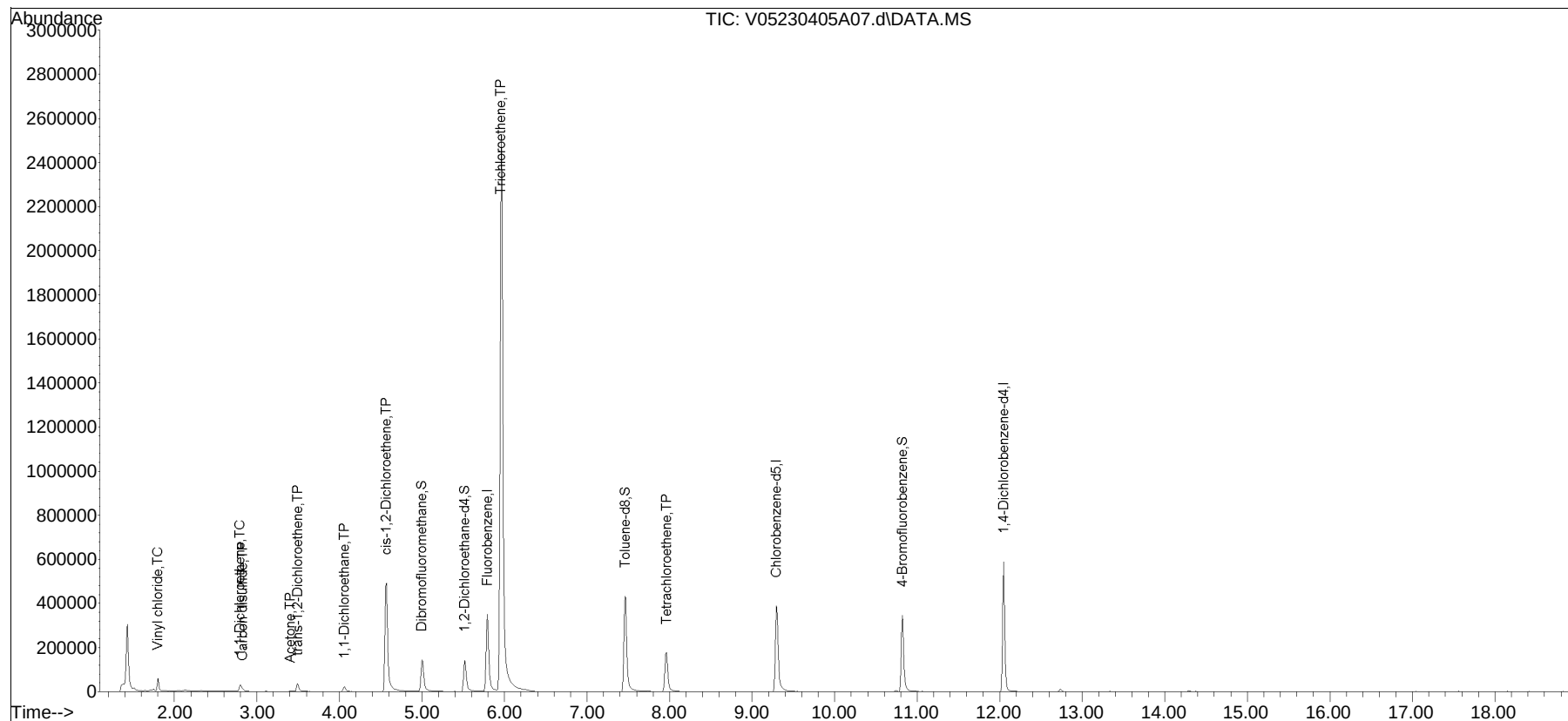
(#) = qualifier out of range (m) = manual integration (+) = signals summed

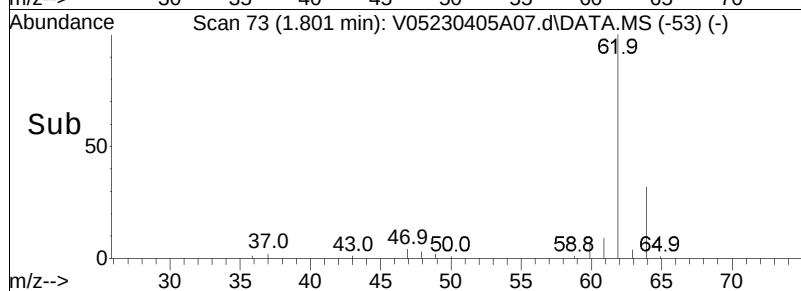
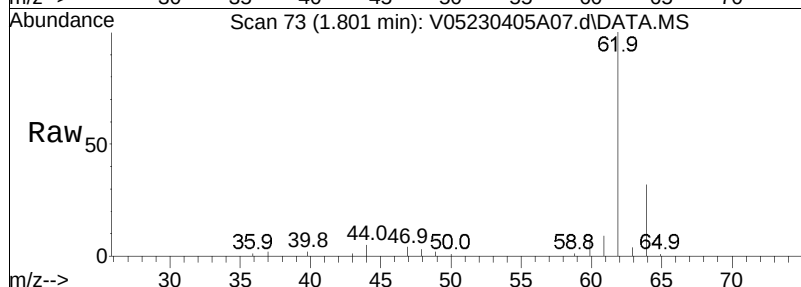
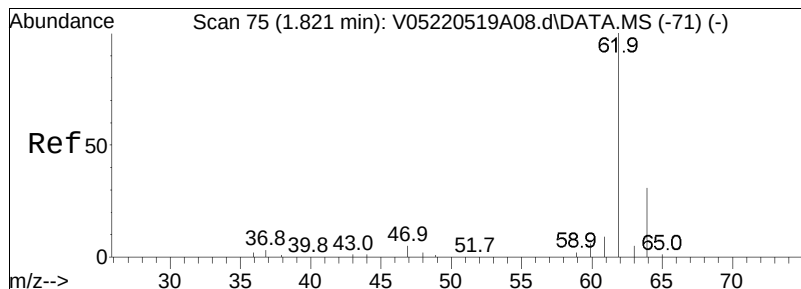
# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A07.d  
 Acq On : 5 Apr 2023 9:17 am  
 Operator : VOA105:MKS  
 Sample : L2316882-02D,31,5.0,10,,A  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 06 09:09:55 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•





#4

Vinyl chloride

Concen: 5.14 ug/L

RT: 1.801 min Scan# 73

Delta R.T. 0.000 min

Lab File: V05230405A07.d

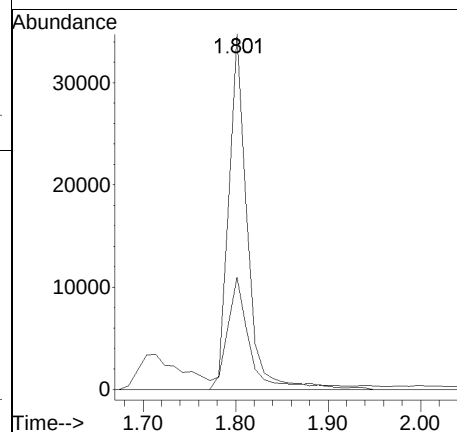
Acq: 5 Apr 2023 9:17 am

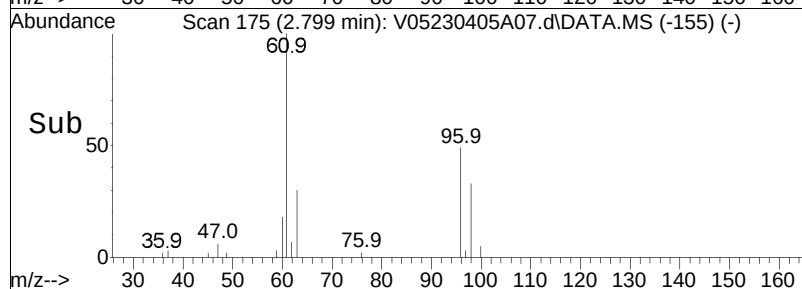
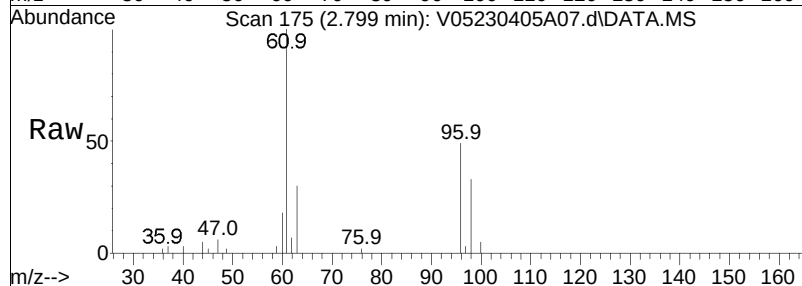
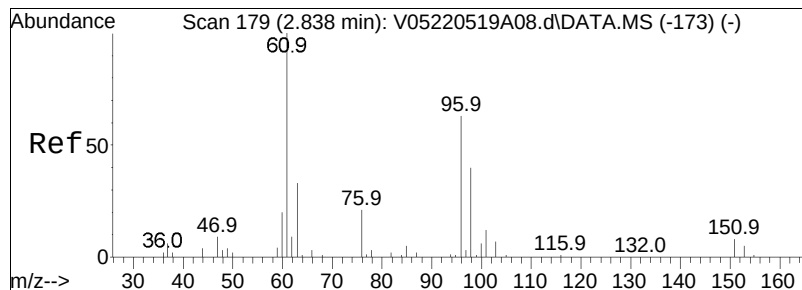
Tgt Ion: 62 Resp: 48184

Ion Ratio Lower Upper

62 100

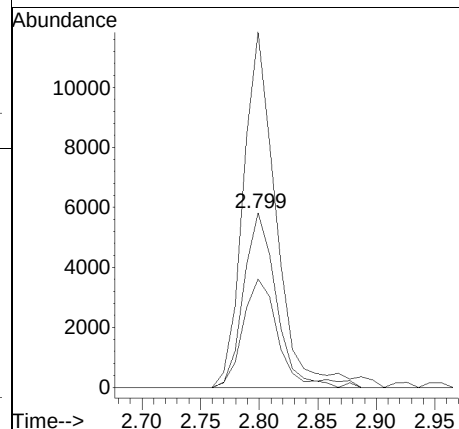
64 34.6 13.5 53.5

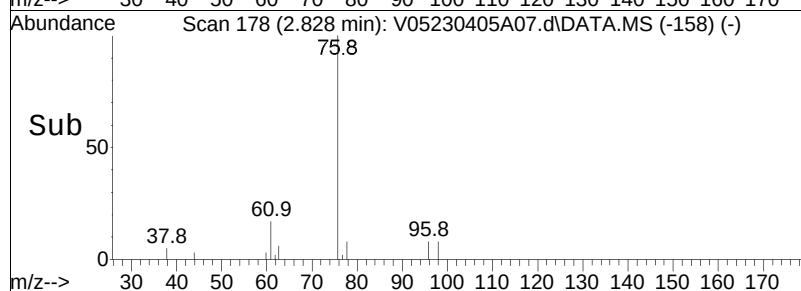
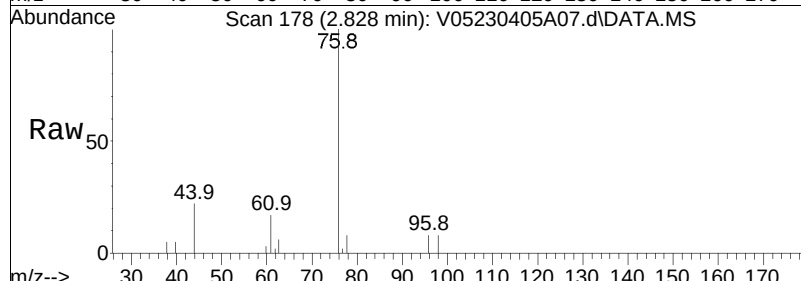
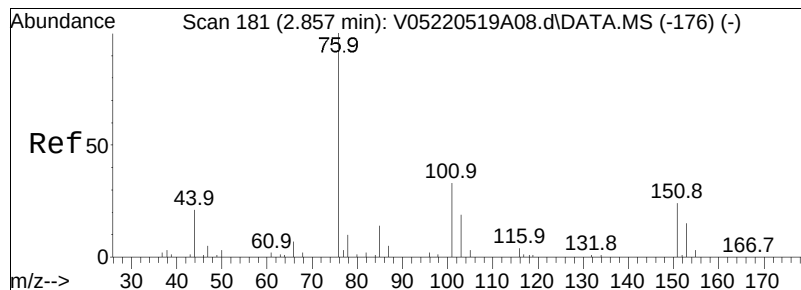




#10  
 1,1-Dichloroethene  
 Concen: 1.46 ug/L  
 RT: 2.799 min Scan# 175  
 Delta R.T. 0.000 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

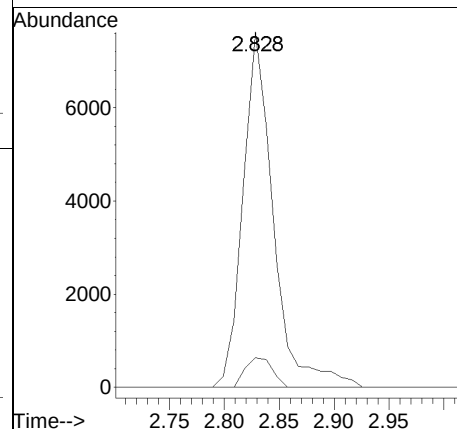
| Tgt Ion:  | 96    | Resp: | 11446 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 204.0 | 136.7 | 205.1 |
| 63        | 65.4  | 45.0  | 67.6  |



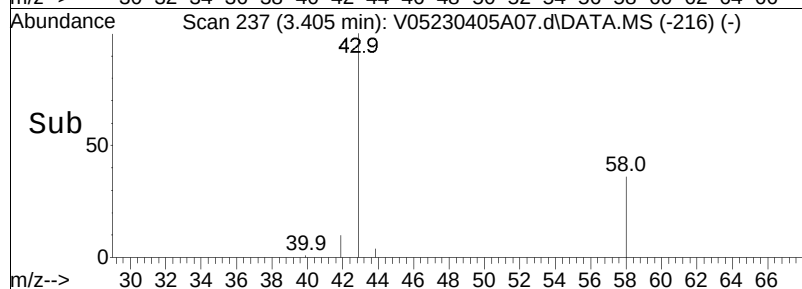
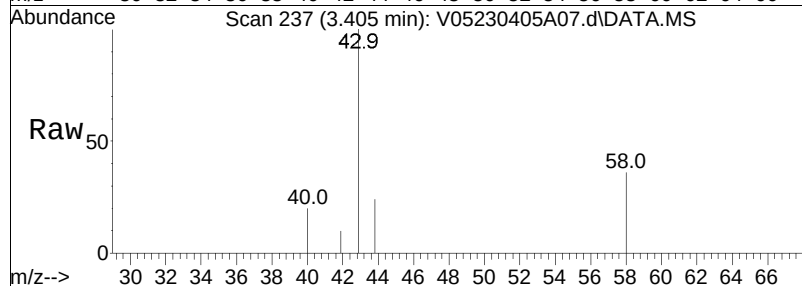
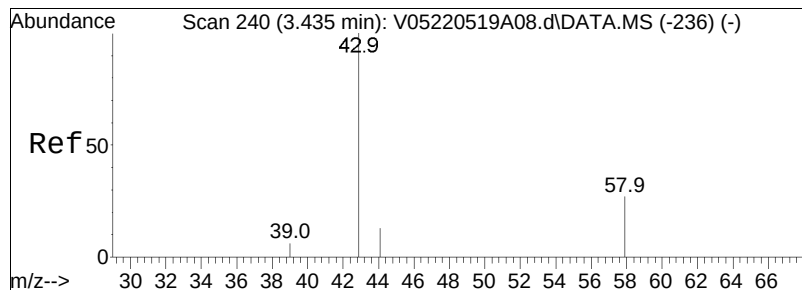


#11  
 Carbon disulfide  
 Concen: 0.59 ug/L  
 RT: 2.828 min Scan# 178  
 Delta R.T. 0.000 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 7.4   | 6.7   | 13.9  |

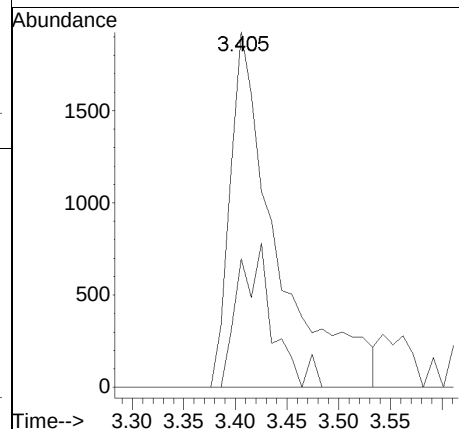


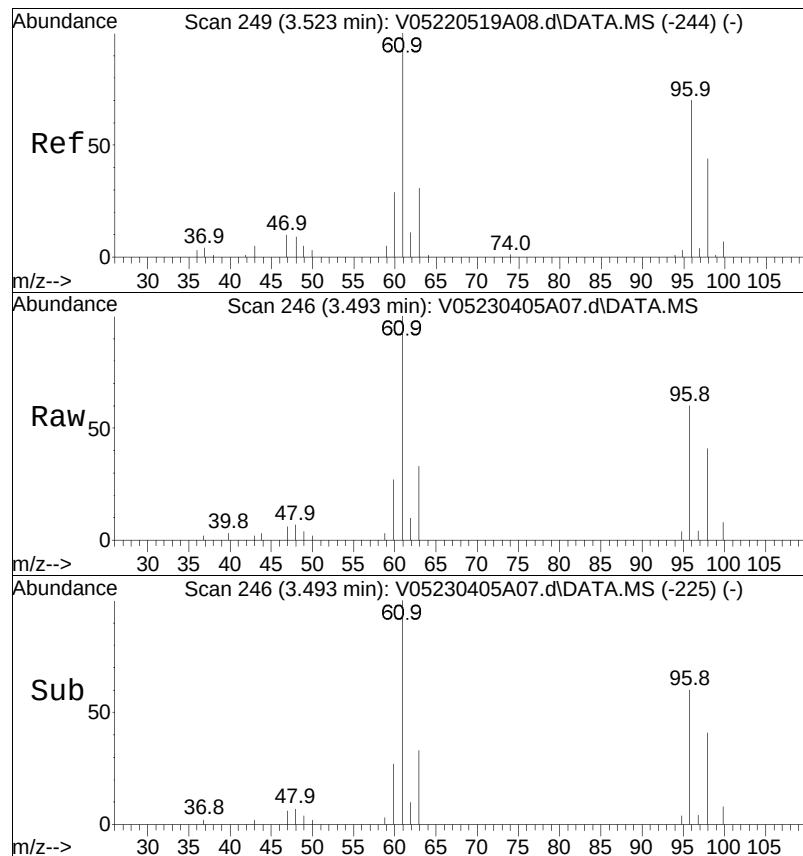




#17  
 Acetone  
 Concen: 3.57 ug/L  
 RT: 3.405 min Scan# 237  
 Delta R.T. 0.010 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

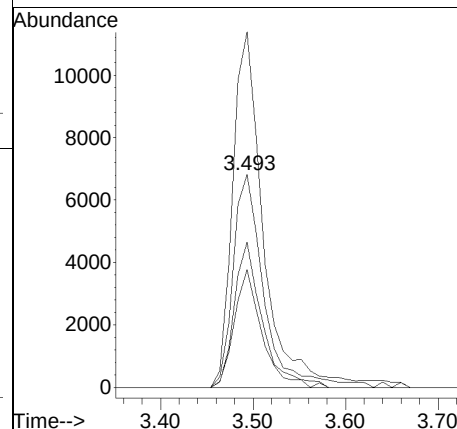
| Tgt Ion:  | 43    | Resp: | 6081 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 58        | 30.0  | 22.0  | 33.0 |

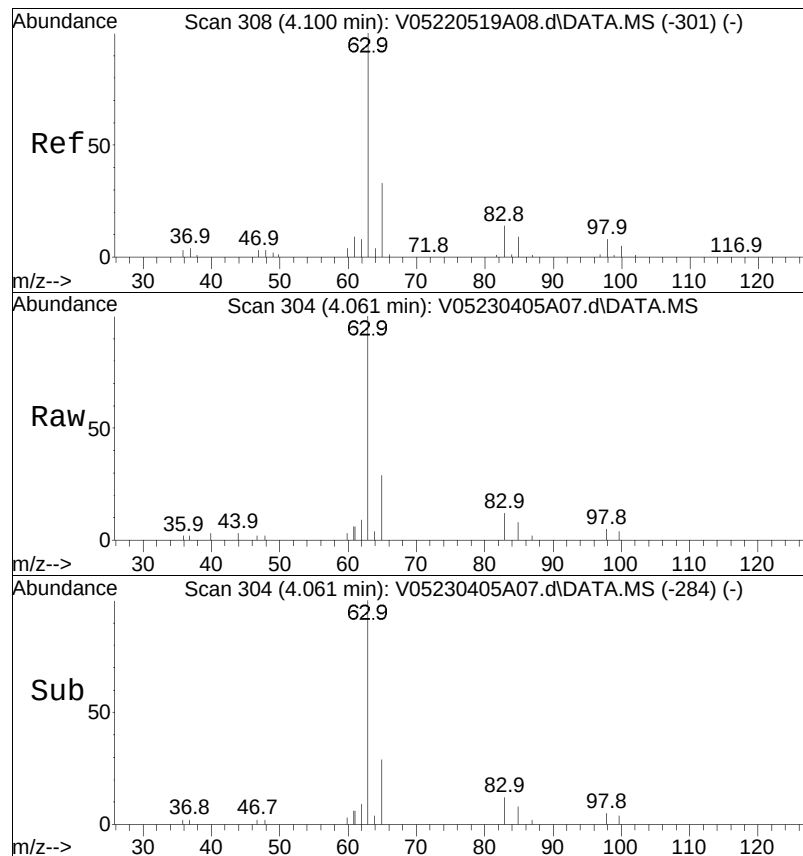




#18  
 trans-1,2-Dichloroethene  
 Concen: 1.76 ug/L  
 RT: 3.493 min Scan# 246  
 Delta R.T. 0.010 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

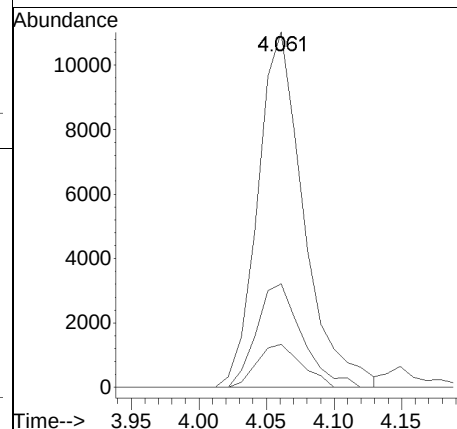
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 15878 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 167.1 | 91.7  | 190.5 |
| 98        | 61.9  | 41.1  | 85.5  |
| 63        | 49.4  | 29.4  | 61.0  |

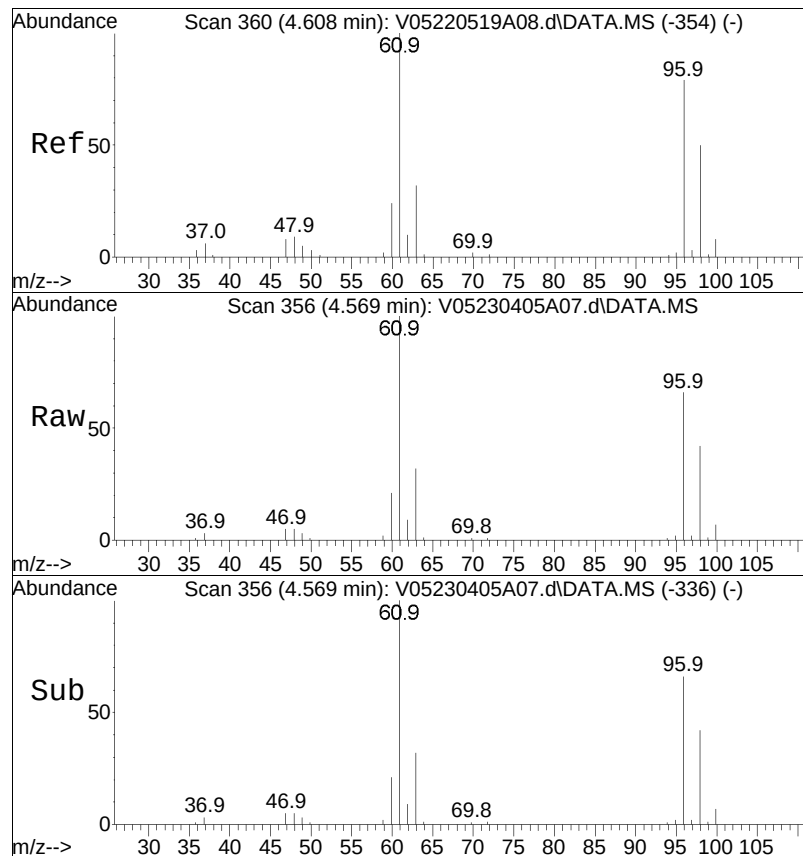




#23  
 1,1-Dichloroethane  
 Concen: 1.50 ug/L  
 RT: 4.061 min Scan# 304  
 Delta R.T. 0.000 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

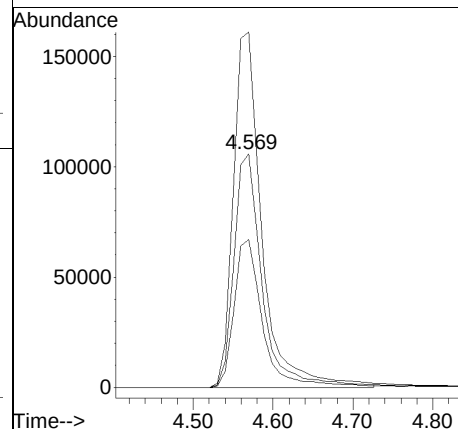
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 26097 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 28.9  | 11.9  | 51.9  |
| 83        | 11.8  | 0.0   | 34.2  |

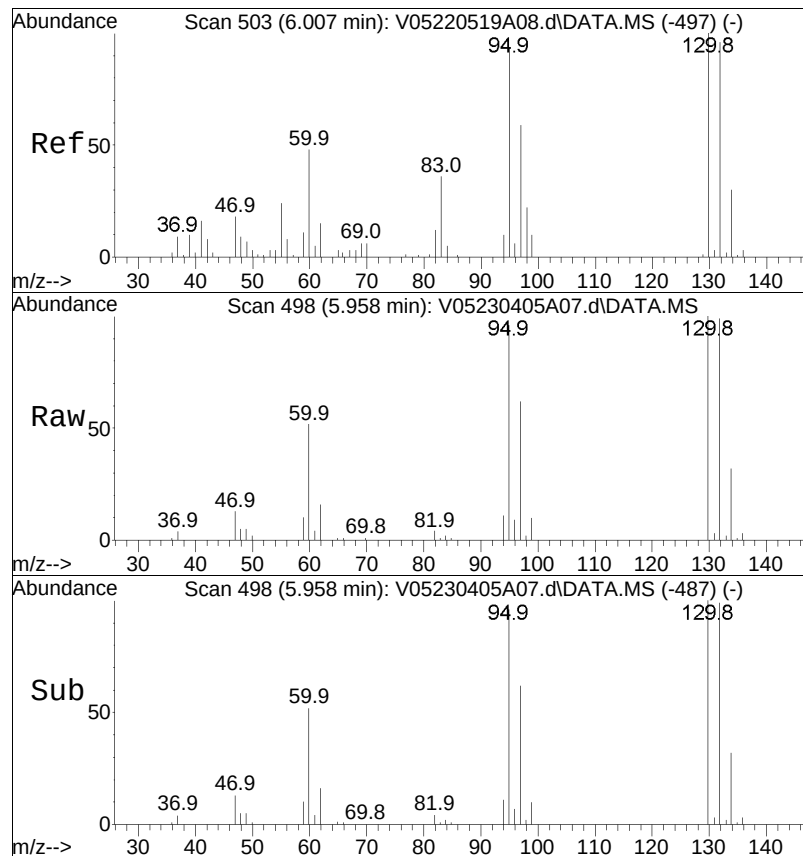




#28  
 cis-1,2-Dichloroethene  
 Concen: 25.87 ug/L  
 RT: 4.569 min Scan# 356  
 Delta R.T. 0.000 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

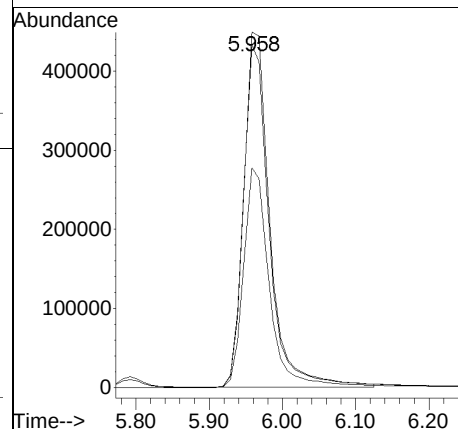
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 261096 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 153.5 | 100.5 | 150.7# |
| 98        | 63.8  | 49.8  | 74.8   |

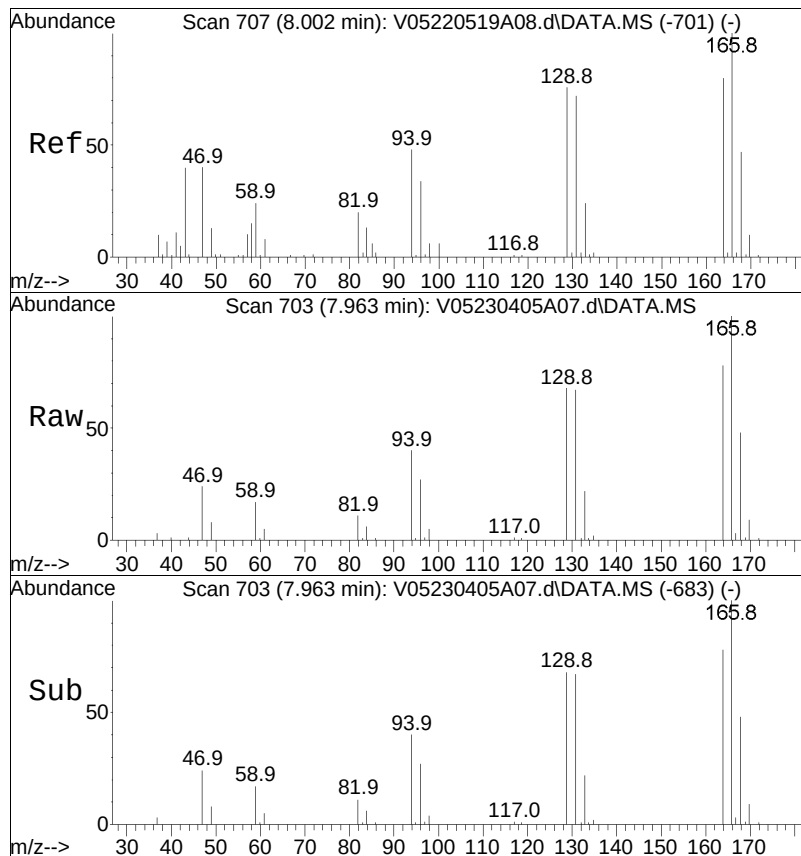




#48  
 Trichloroethene  
 Concen: 112.23 ug/L  
 RT: 5.958 min Scan# 498  
 Delta R.T. -0.010 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

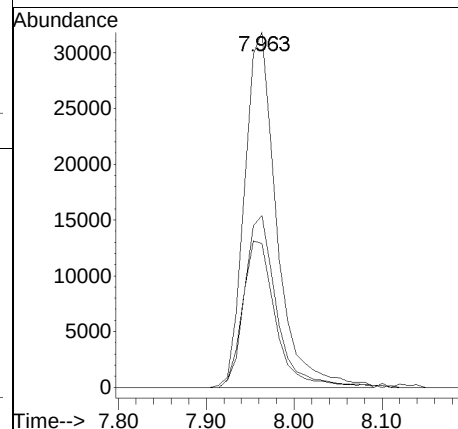
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 95    | Resp: | 1062588 |
| Ion Ratio | Lower | Upper |         |
| 95        | 100   |       |         |
| 97        | 64.0  | 56.1  | 84.1    |
| 130       | 105.6 | 77.7  | 116.5   |





#63  
 Tetrachloroethene  
 Concen: 7.29 ug/L  
 RT: 7.963 min Scan# 703  
 Delta R.T. 0.000 min  
 Lab File: V05230405A07.d  
 Acq: 5 Apr 2023 9:17 am

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 81268 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 168       | 48.3  | 30.2  | 70.2  |
| 94        | 42.6  | 32.5  | 72.5  |



# Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230405A07.d Operator : VOA105:MKS  
Date Inj'd : 4/5/2023 9:17 am Instrument : VOA 105  
Sample : L2316882-02D,31,5.0,10,,A Quant Date : 4/6/2023 8:50 am

There are no manual integrations or false positives in this file.

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A08.d  
 Acq On : 5 Apr 2023 9:40 am  
 Operator : VOA105:MKS  
 Sample : L2316882-03D, 31, 4.0, 10,, A  
 Misc : WG1763545, ICAL19721  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 06 09:10:17 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Fluorobenzene             | 5.792          | 96   | 371234     | 10.000  | ug/L   | 0.00     |
| Standard Area 1 = 400859     |                |      | Recovery = | 92.61%  |        |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 311349     | 10.000  | ug/L   | 0.00     |
| Standard Area 1 = 328581     |                |      | Recovery = | 94.76%  |        |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 179145     | 10.000  | ug/L   | 0.00     |
| Standard Area 1 = 190093     |                |      | Recovery = | 94.24%  |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 110849     | 11.246  | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 112.46% |        |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 130555     | 12.185  | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 121.85% |        |          |
| 60) Toluene-d8               | 7.464          | 98   | 390449     | 9.853   | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 98.53%  |        |          |
| 83) 4-Bromofluorobenzene     | 10.822         | 95   | 151885     | 9.178   | ug/L   | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 91.78%  |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.400          | 85   | 96         | N.D.    |        |          |
| 3) Chloromethane             | 1.752          | 50   | 623        | N.D.    |        |          |
| 4) Vinyl chloride            | 1.801          | 62   | 2245       | 0.245   | ug/L # | 41       |
| 5) Bromomethane              | 2.095          | 94   | 223        | N.D.    |        |          |
| 6) Chloroethane              | 2.222          | 64   | 183        | N.D.    |        |          |
| 7) Trichlorofluoromethane    | 0.000          |      | 0          | N.D.    |        |          |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 2084       | 0.272   | ug/L   | 86       |
| 11) Carbon disulfide         | 2.828          | 76   | 447        | N.D.    |        |          |
| 12) Freon-113                | 0.000          |      | 0          | N.D.    |        |          |
| 15) Methylene chloride       | 0.000          |      | 0          | N.D.    |        |          |
| 17) Acetone                  | 0.000          |      | 0          | N.D.    | d      |          |
| 18) trans-1,2-Dichloroethene | 3.493          | 96   | 22435      | 2.541   | ug/L   | 87       |
| 19) Methyl acetate           | 3.425          | 43   | 241        | N.D.    |        |          |
| 20) Methyl tert-butyl ether  | 0.000          |      | 0          | N.D.    |        |          |
| 23) 1,1-Dichloroethane       | 4.070          | 63   | 1387       | 0.081   | ug/L # | 58       |
| 28) cis-1,2-Dichloroethene   | 4.559          | 96   | 1212112    | 123.005 | ug/L # | 83       |
| 30) Bromochloromethane       | 0.000          |      | 0          | N.D.    |        |          |
| 31) Cyclohexane              | 0.000          |      | 0          | N.D.    |        |          |
| 32) Chloroform               | 0.000          |      | 0          | N.D.    |        |          |
| 34) Carbon tetrachloride     | 0.000          |      | 0          | N.D.    |        |          |



# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A08.d  
 Acq On : 5 Apr 2023 9:40 am  
 Operator : VOA105:MKS  
 Sample : L2316882-03D, 31, 4.0, 10,, A  
 Misc : WG1763545, ICAL19721  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 06 09:10:17 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

|      | Compound                  | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|------|---------------------------|--------|------|----------|---------|-------|----------|
| 37)  | 1,1,1-Trichloroethane     | 5.019  | 97   | 239      | N.D.    |       |          |
| 39)  | 2-Butanone                | 0.000  |      | 0        | N.D.    |       |          |
| 41)  | Benzene                   | 5.391  | 78   | 620      | N.D.    |       |          |
| 44)  | 1,2-Dichloroethane        | 5.596  | 62   | 93       | N.D.    |       |          |
| 47)  | Methyl cyclohexane        | 0.000  |      | 0        | N.D.    | d     |          |
| 48)  | Trichloroethene           | 5.958  | 95   | 1177838  | 127.403 | ug/L  | 92       |
| 51)  | 1,2-Dichloropropane       | 0.000  |      | 0        | N.D.    |       |          |
| 54)  | Bromodichloromethane      | 0.000  |      | 0        | N.D.    |       |          |
| 57)  | 1,4-Dioxane               | 0.000  |      | 0        | N.D.    |       |          |
| 58)  | cis-1,3-Dichloropropene   | 0.000  |      | 0        | N.D.    |       |          |
| 61)  | Toluene                   | 0.000  |      | 0        | N.D.    |       |          |
| 62)  | 4-Methyl-2-pentanone      | 0.000  |      | 0        | N.D.    |       |          |
| 63)  | Tetrachloroethene         | 7.963  | 166  | 20180    | 1.812   | ug/L  | 91       |
| 65)  | trans-1,3-Dichloropropene | 0.000  |      | 0        | N.D.    |       |          |
| 68)  | 1,1,2-Trichloroethane     | 0.000  |      | 0        | N.D.    |       |          |
| 69)  | Chlorodibromomethane      | 0.000  |      | 0        | N.D.    |       |          |
| 71)  | 1,2-Dibromoethane         | 0.000  |      | 0        | N.D.    |       |          |
| 72)  | 2-Hexanone                | 0.000  |      | 0        | N.D.    |       |          |
| 73)  | Chlorobenzene             | 0.000  |      | 0        | N.D.    |       |          |
| 74)  | Ethylbenzene              | 9.363  | 91   | 197      | N.D.    |       |          |
| 76)  | p/m Xylene                | 0.000  |      | 0        | N.D.    |       |          |
| 77)  | o Xylene                  | 0.000  |      | 0        | N.D.    |       |          |
| 78)  | Styrene                   | 0.000  |      | 0        | N.D.    |       |          |
| 80)  | Bromoform                 | 0.000  |      | 0        | N.D.    |       |          |
| 82)  | Isopropylbenzene          | 0.000  |      | 0        | N.D.    |       |          |
| 87)  | 1,1,2,2-Tetrachloroethane | 0.000  |      | 0        | N.D.    |       |          |
| 100) | 1,3-Dichlorobenzene       | 0.000  |      | 0        | N.D.    |       |          |
| 101) | 1,4-Dichlorobenzene       | 0.000  |      | 0        | N.D.    |       |          |
| 104) | 1,2-Dichlorobenzene       | 0.000  |      | 0        | N.D.    |       |          |
| 106) | 1,2-Dibromo-3-chloropr... | 0.000  |      | 0        | N.D.    |       |          |
| 109) | 1,2,4-Trichlorobenzene    | 0.000  |      | 0        | N.D.    |       |          |
| 111) | 1,2,3-Trichlorobenzene    | 14.369 | 180  | 407      | N.D.    |       |          |

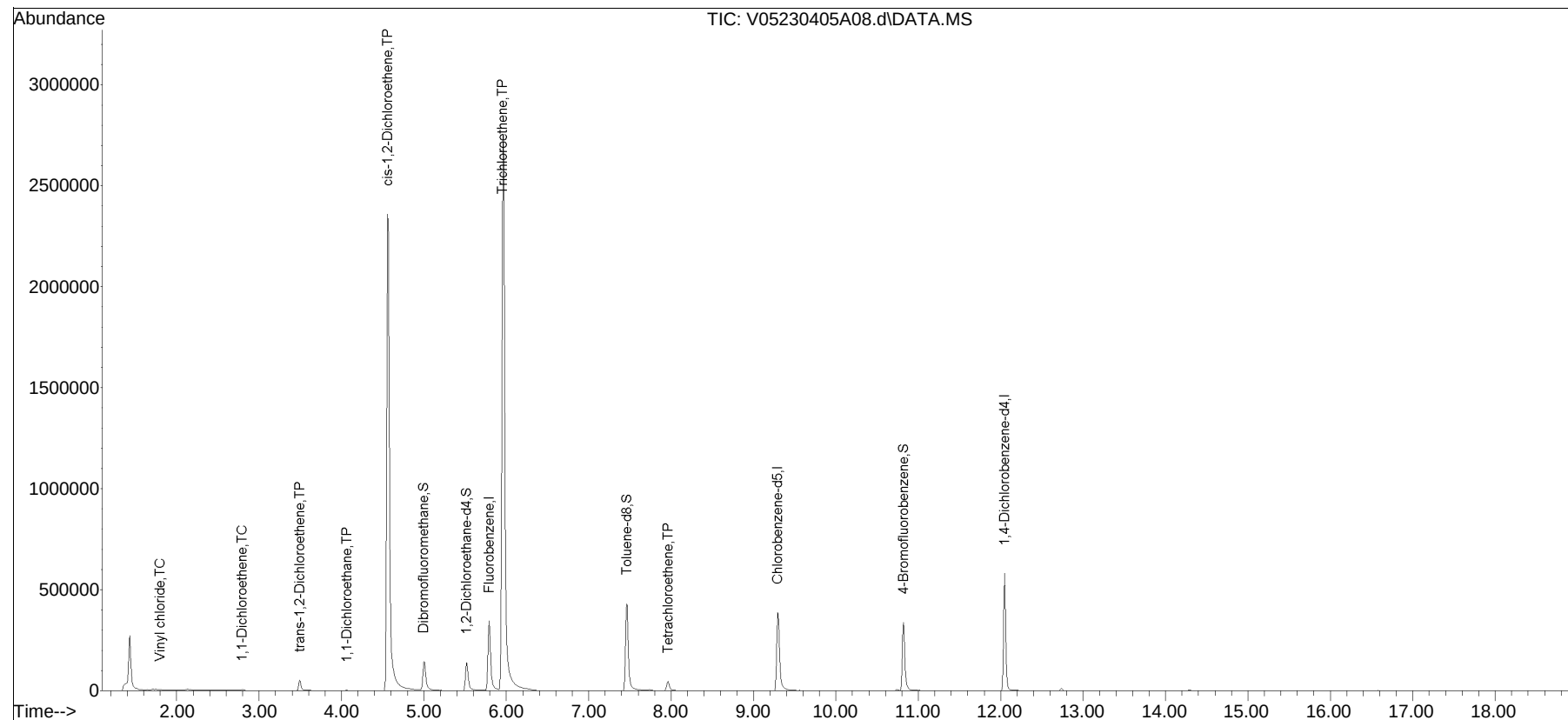
(#) = qualifier out of range (m) = manual integration (+) = signals summed

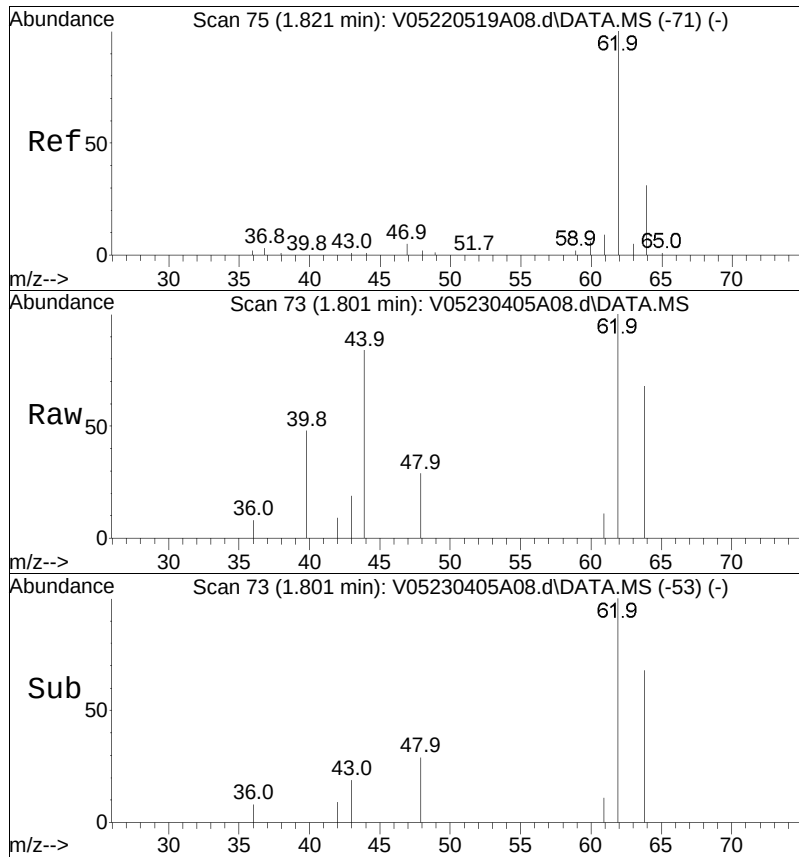
# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A08.d  
 Acq On : 5 Apr 2023 9:40 am  
 Operator : VOA105:MKS  
 Sample : L2316882-03D,31,4.0,10,,A  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 06 09:10:17 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

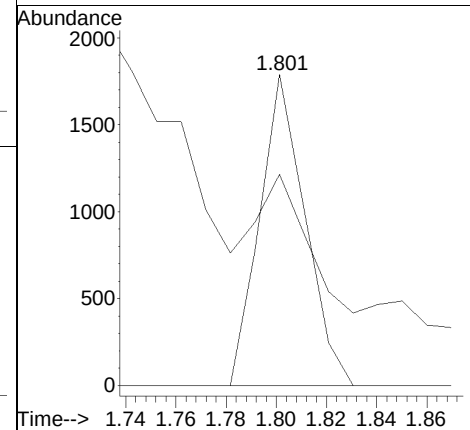
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

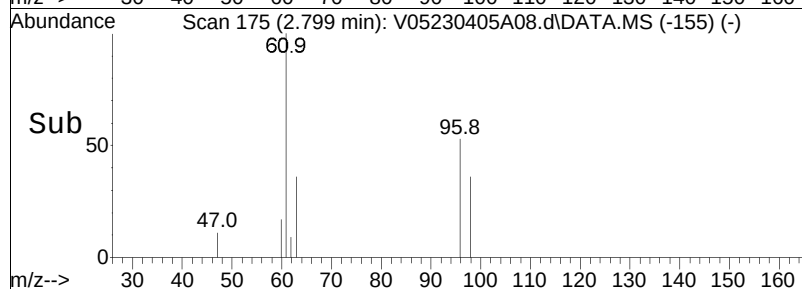
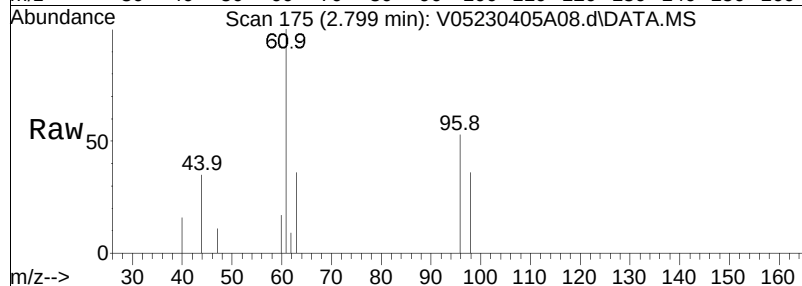
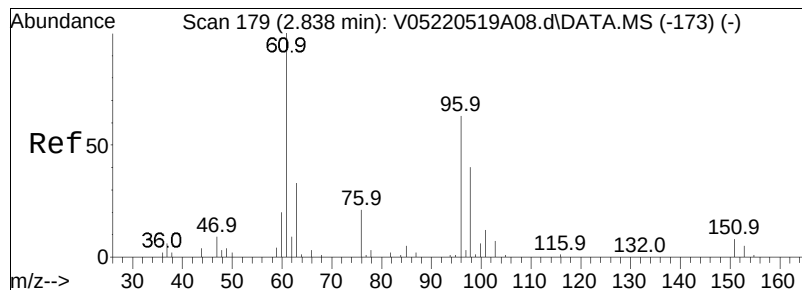




#4  
 Vinyl chloride  
 Concen: 0.25 ug/L  
 RT: 1.801 min Scan# 73  
 Delta R.T. 0.000 min  
 Lab File: V05230405A08.d  
 Acq: 5 Apr 2023 9:40 am

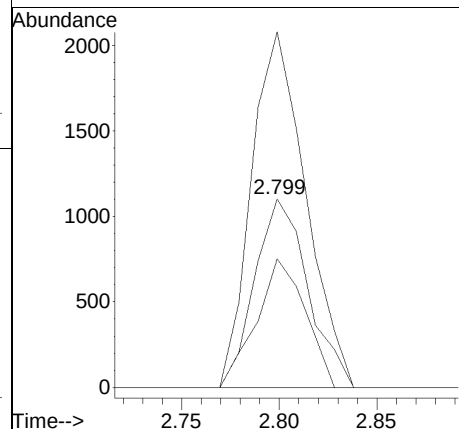
Tgt Ion: 62 Resp: 2245  
 Ion Ratio Lower Upper  
 62 100  
 64 0.0 13.5 53.5#

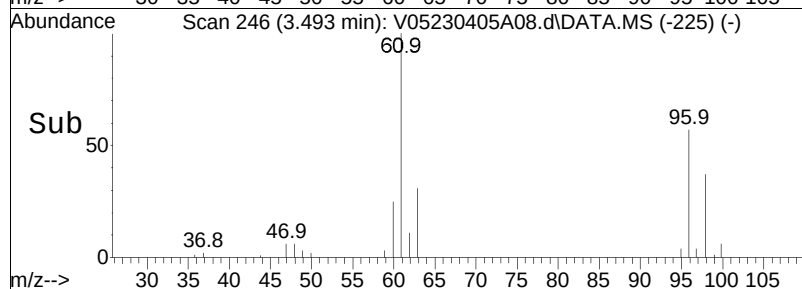
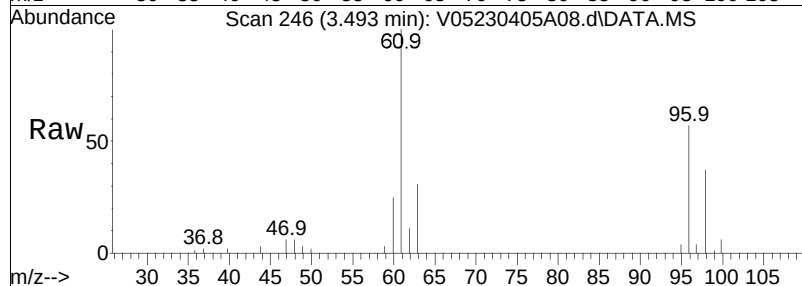
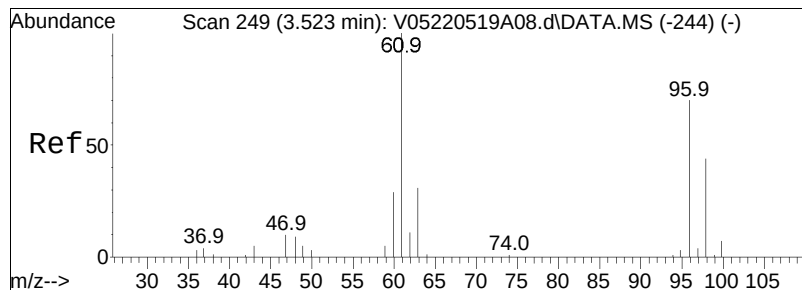




#10  
 1,1-Dichloroethene  
 Concen: 0.27 ug/L  
 RT: 2.799 min Scan# 175  
 Delta R.T. 0.000 min  
 Lab File: V05230405A08.d  
 Acq: 5 Apr 2023 9:40 am

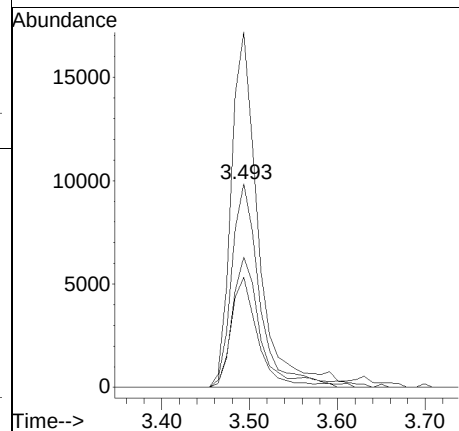
| Tgt Ion:  | 96    | Resp: | 2084  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 192.5 | 136.7 | 205.1 |
| 63        | 63.0  | 45.0  | 67.6  |

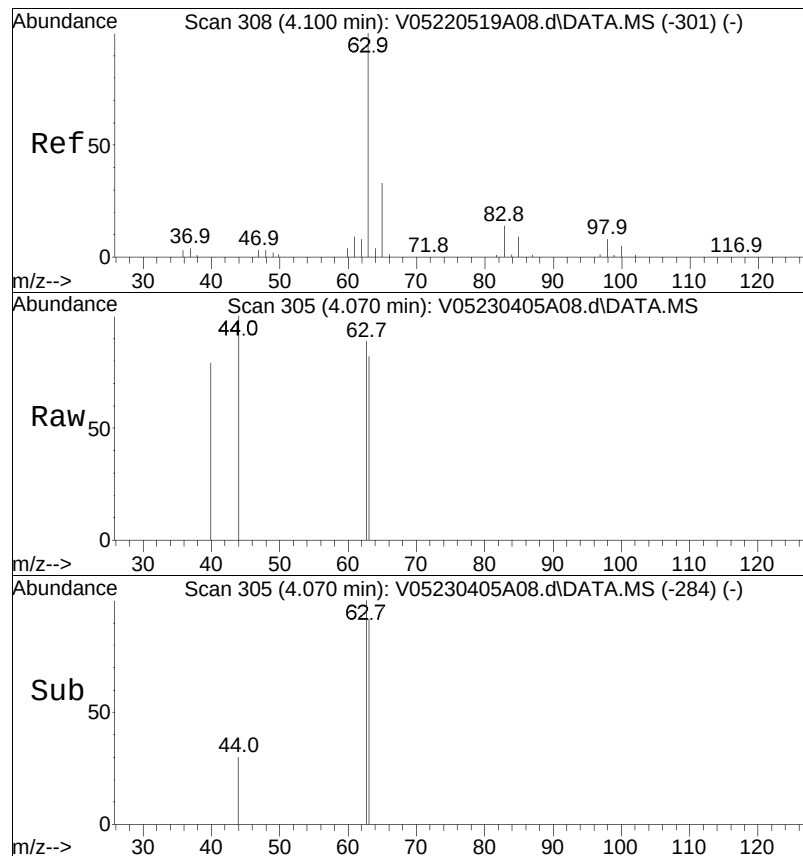




#18  
 trans-1,2-Dichloroethene  
 Concen: 2.54 ug/L  
 RT: 3.493 min Scan# 246  
 Delta R.T. 0.010 min  
 Lab File: V05230405A08.d  
 Acq: 5 Apr 2023 9:40 am

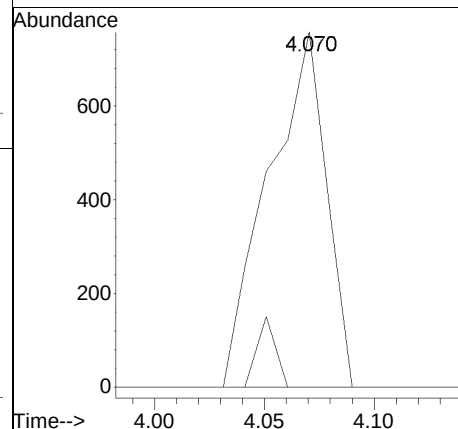
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 22435 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 166.5 | 91.7  | 190.5 |
| 98        | 63.7  | 41.1  | 85.5  |
| 63        | 50.7  | 29.4  | 61.0  |

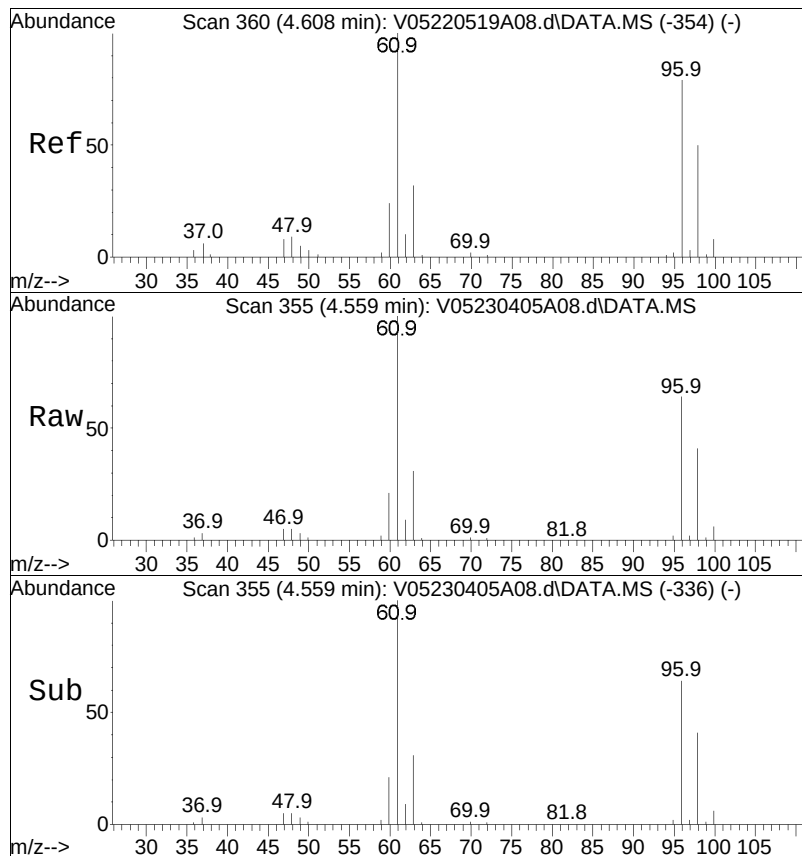




#23  
 1,1-Dichloroethane  
 Concen: 0.08 ug/L  
 RT: 4.070 min Scan# 305  
 Delta R.T. 0.010 min  
 Lab File: V05230405A08.d  
 Acq: 5 Apr 2023 9:40 am

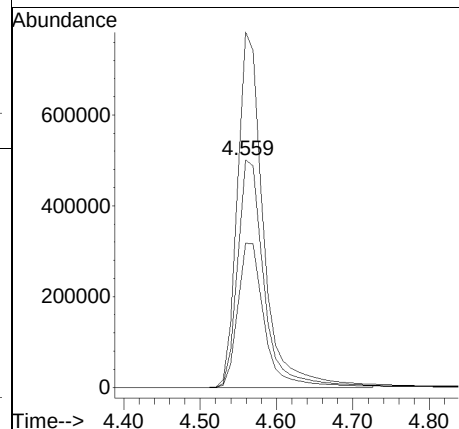
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1387  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 6.4      | 11.9 51.9#  |
| 83 0.0      | 0.0 34.2    |

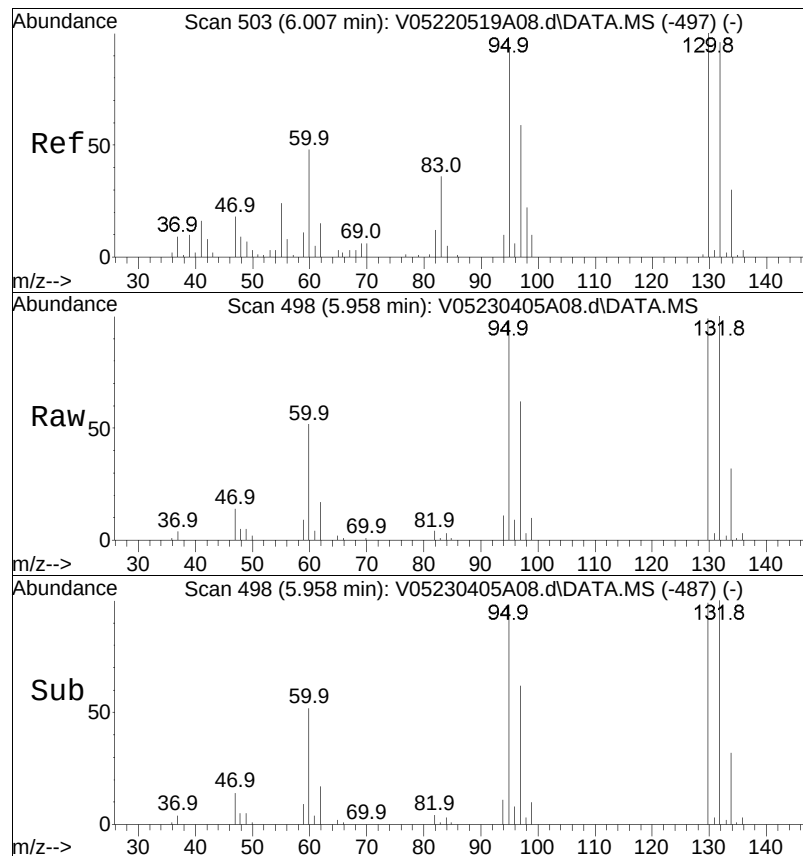




#28  
 cis-1,2-Dichloroethene  
 Concen: 123.00 ug/L  
 RT: 4.559 min Scan# 355  
 Delta R.T. -0.010 min  
 Lab File: V05230405A08.d  
 Acq: 5 Apr 2023 9:40 am

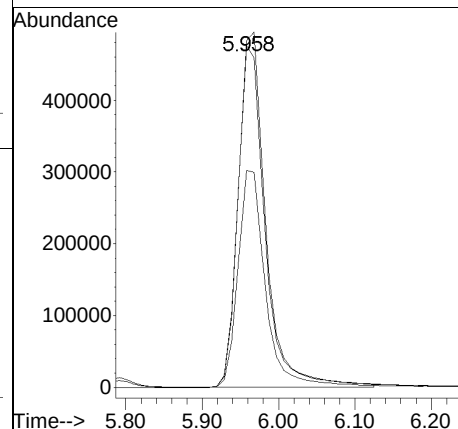
|             |               |
|-------------|---------------|
| Tgt Ion: 96 | Resp: 1212112 |
| Ion Ratio   | Lower Upper   |
| 96 100      |               |
| 61 153.5    | 100.5 150.7#  |
| 98 64.2     | 49.8 74.8     |



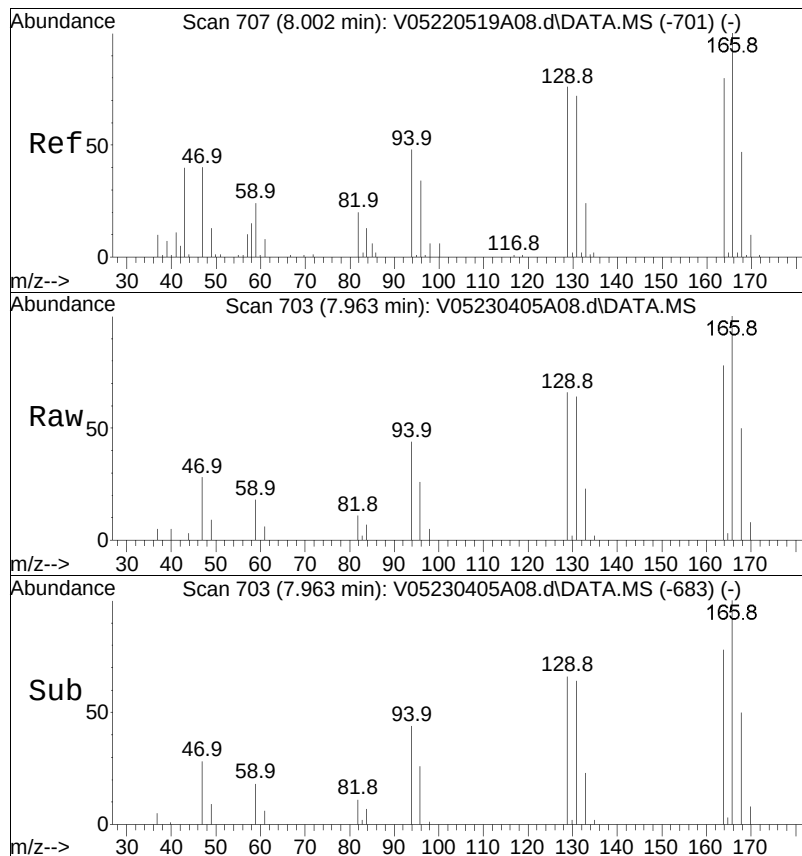


#48  
 Trichloroethene  
 Concen: 127.40 ug/L  
 RT: 5.958 min Scan# 498  
 Delta R.T. -0.010 min  
 Lab File: V05230405A08.d  
 Acq: 5 Apr 2023 9:40 am

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 95    | Resp: | 1177838 |
| Ion Ratio | Lower | Upper |         |
| 95        | 100   |       |         |
| 97        | 64.4  | 56.1  | 84.1    |
| 130       | 105.3 | 77.7  | 116.5   |

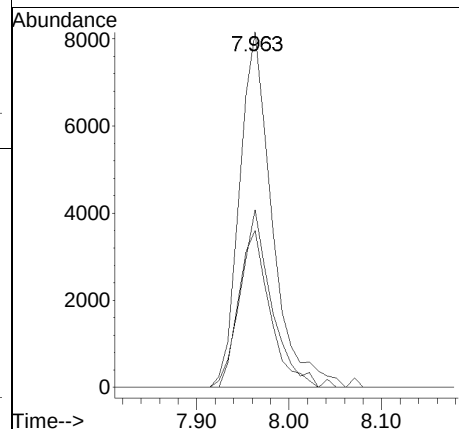






#63  
Tetrachloroethene  
Concen: 1.81 ug/L  
RT: 7.963 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: V05230405A08.d  
Acq: 5 Apr 2023 9:40 am

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 20180 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 168       | 47.7  | 30.2  | 70.2  |
| 94        | 42.0  | 32.5  | 72.5  |



# Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230405A08.d Operator : VOA105:MKS  
Date Inj'd : 4/5/2023 9:40 am Instrument : VOA 105  
Sample : L2316882-03D,31,4.0,10,,A Quant Date : 4/6/2023 8:50 am

There are no manual integrations or false positives in this file.

## **Volatiles Standards Data**

# **Initial Calibration**

# Initial Calibration Summary

## Form 6

### Volatiles

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Instrument ID : VOA105  
 Calibration dates : 02/08/23 13:34 02/08/23 17:03

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Ical Ref : ICAL19721

#### Calibration Files

L11 =V05230208B03.d L1 =V05230208B05.d L2 =V05230208B07.d L3 =V05230208B08.d L4 =V05230208B09.d  
 L6 =V05230208B10.d L8 =V05230208B11.d L10 =V05230208B12.d

| Compound                       | L11            | L1    | L2    | L3    | L4    | L6    | L8    | L10   | Avg   | %RSD  |
|--------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1) I Fluorobenzene             | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2) TP Dichlorodifluo           |                | 0.167 | 0.217 | 0.209 | 0.208 | 0.223 | 0.242 | 0.240 | 0.215 | 11.58 |
| 3) TP Chloromethane            |                | 0.299 | 0.340 | 0.305 | 0.308 | 0.315 | 0.336 | 0.334 | 0.320 | 5.23  |
| 4) TC Vinyl chloride           | 0.201          | 0.215 | 0.266 | 0.246 | 0.246 | 0.255 | 0.272 | 0.270 | 0.247 | 10.49 |
| 5) TP Bromomethane             |                | 0.113 | 0.128 | 0.118 | 0.122 | 0.134 | 0.145 | 0.147 | 0.130 | 10.00 |
| 6) TP Chloroethane             |                | 0.139 | 0.162 | 0.146 | 0.148 | 0.148 | 0.152 | 0.140 | 0.148 | 5.13  |
| 7) TP Trichlorofluor           |                | 0.272 | 0.306 | 0.294 | 0.296 | 0.311 | 0.335 | 0.335 | 0.307 | 7.45  |
| 8) TP Ethyl ether              |                | 0.075 | 0.088 | 0.075 | 0.075 | 0.076 | 0.079 | 0.079 | 0.078 | 5.70  |
| 10) TC 1,1-Dichloroet          |                | 0.178 | 0.218 | 0.198 | 0.204 | 0.209 | 0.222 | 0.219 | 0.207 | 7.50  |
| 11) TP Carbon disulfide        |                | 0.624 | 0.698 | 0.639 | 0.633 | 0.639 | 0.687 | 0.667 | 0.655 | 4.40  |
| 12) TP Freon-113               |                | 0.175 | 0.222 | 0.221 | 0.220 | 0.228 | 0.243 | 0.238 | 0.221 | 10.11 |
| 13) TP Iodomethane             |                | 0.253 | 0.341 | 0.322 | 0.339 | 0.349 | 0.357 | 0.346 | 0.329 | 10.78 |
| 14) TP Acrolein                |                |       | 0.021 | 0.024 | 0.024 | 0.026 | 0.028 | 0.028 | 0.025 | 10.59 |
| 15) TP Methylene chlo          |                | 0.254 | 0.266 | 0.227 | 0.228 | 0.230 | 0.239 | 0.238 | 0.240 | 6.07  |
| 17) TP Acetone                 |                |       | 0.058 | 0.036 | 0.039 | 0.043 | 0.046 | 0.047 | 0.045 | 17.56 |
| 18) TP trans-1,2-Dich          |                | 0.232 | 0.255 | 0.231 | 0.229 | 0.233 | 0.245 | 0.239 | 0.238 | 3.85  |
| 19) TP Methyl acetate          |                |       | 0.103 | 0.099 | 0.102 | 0.105 | 0.110 | 0.107 | 0.104 | 3.59  |
| 20) TP Methyl tert butyl ether |                | 0.420 | 0.477 | 0.425 | 0.432 | 0.445 | 0.460 | 0.457 | 0.445 | 4.66  |
| 21) TP tert-Butyl alc          |                |       | 0.014 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.012 | 6.45  |
| 22) TP Diisopropyl ether       |                | 0.827 | 0.944 | 0.841 | 0.859 | 0.883 | 0.909 | 0.894 | 0.880 | 4.62  |
| 23) TP 1,1-Dichloroet          |                | 0.435 | 0.502 | 0.447 | 0.449 | 0.450 | 0.468 | 0.460 | 0.459 | 4.79  |
| 24) TP Halothane               |                | 0.177 | 0.200 | 0.185 | 0.187 | 0.190 | 0.201 | 0.197 | 0.191 | 4.63  |
| 25) TP Acrylonitrile           |                |       | 0.054 | 0.048 | 0.051 | 0.054 | 0.056 | 0.056 | 0.053 | 5.84  |
| 26) TP Ethyl tert-but          |                | 0.702 | 0.745 | 0.670 | 0.684 | 0.708 | 0.728 | 0.720 | 0.708 | 3.64  |
| 27) TP Vinyl acetate           |                |       | 0.484 | 0.449 | 0.473 | 0.467 | 0.494 | 0.512 | 0.480 | 4.60  |
| 28) TP cis-1,2-Dichlo          |                | 0.247 | 0.301 | 0.257 | 0.259 | 0.260 | 0.269 | 0.265 | 0.265 | 6.44  |
| 29) TP 2,2-Dichloropr          |                | 0.328 | 0.421 | 0.373 | 0.370 | 0.371 | 0.390 | 0.382 | 0.377 | 7.35  |
| 30) TP Bromochloromet          |                | 0.118 | 0.138 | 0.119 | 0.118 | 0.118 | 0.119 | 0.115 | 0.121 | 6.50  |
| 31) TP Cyclohexane             |                | 0.403 | 0.484 | 0.475 | 0.479 | 0.498 | 0.534 | 0.525 | 0.485 | 8.87  |
| 32) TC Chloroform              |                | 0.382 | 0.457 | 0.404 | 0.409 | 0.412 | 0.429 | 0.424 | 0.417 | 5.56  |
| 33) TP Ethyl acetate           |                |       | 0.148 | 0.143 | 0.154 | 0.165 | 0.173 | 0.173 | 0.159 | 8.07  |
| 34) TP Carbon tetrachloride    | 0.395          | 0.301 | 0.345 | 0.334 | 0.337 | 0.351 | 0.375 | 0.373 | 0.351 | 8.33  |
| 35) TP Tetrahydrofuran         |                |       | 0.064 | 0.045 | 0.044 | 0.044 | 0.047 | 0.046 | 0.048 | 16.35 |
| 36) S Dibromofluoromethane     | 0.270          | 0.272 | 0.275 | 0.269 | 0.266 | 0.259 | 0.257 | 0.256 | 0.266 | 2.73  |
| 37) TP 1,1,1-Trichlor          |                | 0.348 | 0.385 | 0.368 | 0.368 | 0.377 | 0.398 | 0.393 | 0.377 | 4.59  |
| 39) TP 2-Butanone              |                |       | 0.071 | 0.075 | 0.075 | 0.077 | 0.080 | 0.078 | 0.076 | 4.23  |



# Initial Calibration Summary

## Form 6

### Volatiles

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Instrument ID : VOA105  
 Calibration dates : 02/08/23 13:34 02/08/23 17:03

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Ical Ref : ICAL19721

#### Calibration Files

L11 =V05230208B03.d L1 =V05230208B05.d L2 =V05230208B07.d L3 =V05230208B08.d L4 =V05230208B09.d  
 L6 =V05230208B10.d L8 =V05230208B11.d L10 =V05230208B12.d

| Compound                          | L11            | L1    | L2    | L3    | L4    | L6    | L8    | L10   | Avg    | %RSD  |
|-----------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 40) TP 1,1-Dichloropr             |                | 0.274 | 0.317 | 0.305 | 0.305 | 0.315 | 0.337 | 0.333 | 0.312  | 6.78  |
| 41) TP Benzene                    | 0.895          | 0.880 | 0.998 | 0.890 | 0.909 | 0.926 | 0.961 | 0.938 | 0.925  | 4.31  |
| 42) TP Tertiary-Amyl Methyl Ether |                | 0.539 | 0.578 | 0.509 | 0.520 | 0.544 | 0.563 | 0.561 | 0.545  | 4.51  |
| 43) S 1,2-Dichloroethane-d4       | 0.289          | 0.290 | 0.296 | 0.304 | 0.278 | 0.278 | 0.281 | 0.293 | 0.289  | 3.21  |
| 44) TP 1,2-Dichloroet             |                | 0.316 | 0.327 | 0.285 | 0.290 | 0.295 | 0.307 | 0.304 | 0.303  | 4.88  |
| 47) TP Methyl cyclohe             |                | 0.340 | 0.412 | 0.431 | 0.432 | 0.443 | 0.478 | 0.471 | 0.430  | 10.62 |
| 48) TP Trichloroethene            | 0.214          | 0.235 | 0.262 | 0.247 | 0.250 | 0.257 | 0.267 | 0.260 | 0.249  | 6.87  |
| 50) TP Dibromomethane             |                | 0.144 | 0.145 | 0.121 | 0.122 | 0.125 | 0.131 | 0.133 | 0.131  | 7.36  |
| 51) TC 1,2-Dichloropr             |                | 0.247 | 0.279 | 0.249 | 0.255 | 0.259 | 0.270 | 0.269 | 0.261  | 4.62  |
| 53) TP 2-Chloroethyl              |                |       | 0.139 | 0.123 | 0.129 | 0.135 | 0.140 | 0.141 | 0.134  | 5.08  |
| 54) TP Bromodichlorom             |                | 0.310 | 0.363 | 0.311 | 0.319 | 0.325 | 0.337 | 0.336 | 0.329  | 5.56  |
| 57) TP 1,4-Dioxane                |                | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 3.41  |
| 58) TP cis-1,3-Dichlo             |                | 0.372 | 0.396 | 0.363 | 0.376 | 0.385 | 0.400 | 0.396 | 0.384  | 3.73  |
| 59) I Chlorobenzene-d5            | -----ISTD----- |       |       |       |       |       |       |       |        |       |
| 60) S Toluene-d8                  | 1.264          | 1.252 | 1.277 | 1.278 | 1.284 | 1.266 | 1.287 | 1.275 | 1.273  | 0.90  |
| 61) TC Toluene                    |                | 0.715 | 0.832 | 0.739 | 0.755 | 0.758 | 0.801 | 0.775 | 0.768  | 5.11  |
| 62) TP 4-Methyl-2-pen             |                |       | 0.080 | 0.072 | 0.072 | 0.075 | 0.078 | 0.076 | 0.076  | 4.26  |
| 63) TP Tetrachloroethene          |                | 0.297 | 0.374 | 0.351 | 0.357 | 0.363 | 0.387 | 0.376 | 0.358  | 8.28  |
| 65) TP trans-1,3-Dich             |                | 0.386 | 0.438 | 0.394 | 0.411 | 0.417 | 0.439 | 0.430 | 0.416  | 5.04  |
| 67) TP Ethyl methacry             |                | 0.283 | 0.309 | 0.273 | 0.276 | 0.280 | 0.295 | 0.287 | 0.286  | 4.39  |
| 68) TP 1,1,2-Trichlor             |                | 0.188 | 0.203 | 0.181 | 0.185 | 0.188 | 0.197 | 0.193 | 0.191# | 3.88  |
| 69) TP Chlorodibromom             |                | 0.311 | 0.330 | 0.291 | 0.301 | 0.310 | 0.330 | 0.326 | 0.314  | 4.80  |
| 70) TP 1,3-Dichloropr             |                | 0.378 | 0.429 | 0.380 | 0.389 | 0.396 | 0.420 | 0.410 | 0.400  | 4.94  |
| 71) TP 1,2-Dibromoethane          |                | 0.213 | 0.224 | 0.207 | 0.221 | 0.231 | 0.245 | 0.242 | 0.226  | 6.23  |
| 72) TP 2-Hexanone                 |                |       | 0.143 | 0.140 | 0.133 | 0.140 | 0.148 | 0.145 | 0.141  | 3.54  |
| 73) TP Chlorobenzene              |                | 0.880 | 0.962 | 0.844 | 0.867 | 0.865 | 0.912 | 0.880 | 0.887  | 4.40  |
| 74) TC Ethylbenzene               |                | 1.405 | 1.607 | 1.476 | 1.484 | 1.496 | 1.557 | 1.463 | 1.498  | 4.39  |
| 75) TP 1,1,1,2-Tetrac             |                | 0.310 | 0.356 | 0.313 | 0.320 | 0.321 | 0.339 | 0.328 | 0.327  | 4.94  |
| 76) TP p/m Xylene                 |                | 0.542 | 0.648 | 0.575 | 0.579 | 0.571 | 0.593 | 0.548 | 0.580  | 6.05  |
| 77) TP o Xylene                   |                | 0.534 | 0.630 | 0.559 | 0.561 | 0.558 | 0.577 | 0.538 | 0.565  | 5.66  |
| 78) TP Styrene                    |                | 0.849 | 1.025 | 0.914 | 0.937 | 0.913 | 0.931 | 0.828 | 0.914  | 7.04  |
| 79) I 1,4-Dichlorobenzene-d4      | -----ISTD----- |       |       |       |       |       |       |       |        |       |
| 80) TP Bromoform                  |                | 0.319 | 0.356 | 0.316 | 0.329 | 0.344 | 0.365 | 0.366 | 0.342  | 6.12  |
| 82) TP Isopropylbenzene           |                | 2.509 | 2.976 | 2.745 | 2.784 | 2.865 | 3.070 | 2.945 | 2.842  | 6.51  |
| 83) S 4-Bromofluorobenzene        | 0.902          | 0.903 | 0.898 | 0.905 | 0.913 | 0.922 | 0.960 | 0.986 | 0.924  | 3.48  |
| 84) TP Bromobenzene               |                | 0.611 | 0.718 | 0.640 | 0.663 | 0.691 | 0.738 | 0.741 | 0.686  | 7.31  |



# Initial Calibration Summary

## Form 6

### Volatiles

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Instrument ID : VOA105  
 Calibration dates : 02/08/23 13:34 02/08/23 17:03

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Ical Ref : ICAL19721

#### Calibration Files

L11 =V05230208B03.d L1 =V05230208B05.d L2 =V05230208B07.d L3 =V05230208B08.d L4 =V05230208B09.d  
 L6 =V05230208B10.d L8 =V05230208B11.d L10 =V05230208B12.d

| Compound                 | L11   | L1    | L2    | L3    | L4    | L6    | L8    | L10   | Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|
| 85) TP n-Propylbenzene   | 3.004 | 3.466 | 3.223 | 3.290 | 3.361 | 3.527 | 3.258 | 3.304 |     | 5.21 |
| 86) TP 1,4-Dichlorobu    | 0.845 | 0.870 | 0.737 | 0.754 | 0.782 | 0.830 | 0.828 | 0.807 |     | 6.15 |
| 87) TP 1,1,2,2-Tetrac    | 0.510 | 0.516 | 0.442 | 0.449 | 0.467 | 0.503 | 0.508 | 0.485 |     | 6.50 |
| 88) TP 4-Ethyltoluene    | 2.545 | 2.952 | 2.716 | 2.746 | 2.812 | 2.976 | 2.775 | 2.789 |     | 5.26 |
| 89) TP 2-Chlorotoluene   | 1.881 | 2.074 | 1.903 | 1.925 | 1.966 | 2.012 | 2.001 | 1.966 |     | 3.46 |
| 90) TP 1,3,5-Trimethy    | 2.230 | 2.589 | 2.330 | 2.351 | 2.367 | 2.511 | 2.343 | 2.389 |     | 5.06 |
| 91) TP 1,2,3-Trichlor    | 0.387 | 0.404 | 0.341 | 0.347 | 0.359 | 0.382 | 0.378 | 0.371 |     | 6.18 |
| 92) TP trans-1,4-Dich    | 0.167 | 0.182 | 0.155 | 0.161 | 0.168 | 0.181 | 0.177 | 0.170 |     | 6.03 |
| 93) TP 4-Chlorotoluene   | 1.844 | 2.250 | 1.962 | 1.999 | 2.027 | 2.161 | 2.078 | 2.046 |     | 6.50 |
| 94) TP tert-Butylbenzene | 1.909 | 2.219 | 2.050 | 2.081 | 2.140 | 2.282 | 2.187 | 2.124 |     | 5.83 |
| 97) TP 1,2,4-Trimethy    | 2.277 | 2.506 | 2.272 | 2.314 | 2.349 | 2.467 | 2.326 | 2.359 |     | 3.91 |
| 98) TP sec-Butylbenzene  | 2.647 | 3.030 | 2.869 | 2.901 | 2.964 | 3.162 | 2.914 | 2.927 |     | 5.40 |
| 99) TP p-Isopropyltol    | 2.410 | 2.829 | 2.628 | 2.623 | 2.678 | 2.808 | 2.565 | 2.649 |     | 5.43 |
| 100) TP 1,3-Dichlorobe   | 1.204 | 1.438 | 1.248 | 1.274 | 1.304 | 1.373 | 1.321 | 1.309 |     | 5.98 |
| 101) TP 1,4-Dichlorobe   | 1.295 | 1.445 | 1.246 | 1.266 | 1.291 | 1.353 | 1.303 | 1.314 |     | 5.08 |
| 102) TP p-Diethylbenzene | 1.495 | 1.690 | 1.527 | 1.553 | 1.601 | 1.704 | 1.621 | 1.599 |     | 4.96 |
| 103) TP n-Butylbenzene   | 1.829 | 2.234 | 2.054 | 2.101 | 2.145 | 2.287 | 2.167 | 2.117 |     | 7.04 |
| 104) TP 1,2-Dichlorobe   | 1.136 | 1.264 | 1.115 | 1.125 | 1.158 | 1.223 | 1.183 | 1.172 |     | 4.70 |
| 105) TP 1,2,4,5-Tetram   | 2.187 | 2.440 | 2.194 | 2.236 | 2.260 | 2.349 | 2.189 | 2.265 |     | 4.25 |
| 106) TP 1,2-Dibromo-3-   | 0.078 | 0.080 | 0.071 | 0.071 | 0.076 | 0.082 | 0.080 | 0.077 |     | 5.59 |
| 107) TP 1,3,5-Trichlor   | 0.797 | 0.922 | 0.822 | 0.840 | 0.856 | 0.895 | 0.856 | 0.856 |     | 4.94 |
| 108) TP Hexachlorobuta   | 0.302 | 0.347 | 0.334 | 0.329 | 0.337 | 0.375 | 0.367 | 0.342 |     | 7.22 |
| 109) TP 1,2,4-Trichlor   | 0.641 | 0.754 | 0.667 | 0.674 | 0.694 | 0.729 | 0.703 | 0.694 |     | 5.50 |
| 110) TP Naphthalene      | 1.461 | 1.485 | 1.282 | 1.281 | 1.325 | 1.420 | 1.375 | 1.376 |     | 6.06 |
| 111) TP 1,2,3-Trichlor   | 0.544 | 0.600 | 0.520 | 0.518 | 0.540 | 0.573 | 0.557 | 0.550 |     | 5.31 |



## Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Method File : V105\_230208B\_8260.m  
 Title : VOLATILES BY GC/MS  
 Last Update : Thu Feb 09 06:59:00 2023  
 Response Via : Initial Calibration

## Calibration Files

L11 =V05230208B03.d L1 =V05230208B05.d L2 =V05230208B07.d L3 =V05230208B08.d L4 =V05230208B09.d  
 L6 =V05230208B10.d L8 =V05230208B11.d L10 =V05230208B12.d

| Compound |                   | L11            | L1    | L2    | L3    | L4    | L6    | L8    | L10   | Avg   | %RSD |
|----------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| -----    |                   |                |       |       |       |       |       |       |       |       |      |
| 1) I     | Fluorobenzene     | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 2) TP    | Dichlorodifluo... | 0.167          | 0.217 | 0.209 | 0.208 | 0.223 | 0.242 | 0.240 | 0.215 | 11.58 |      |
| 3) TP    | Chloromethane     | 0.299          | 0.340 | 0.305 | 0.308 | 0.315 | 0.336 | 0.334 | 0.320 | 5.23  |      |
| 4) TC    | Vinyl chloride    | 0.201          | 0.215 | 0.266 | 0.246 | 0.255 | 0.272 | 0.270 | 0.247 | 10.49 |      |
| 5) TP    | Bromomethane      | 0.113          | 0.128 | 0.118 | 0.122 | 0.134 | 0.145 | 0.147 | 0.130 | 10.00 |      |
| 6) TP    | Chloroethane      | 0.139          | 0.162 | 0.146 | 0.148 | 0.148 | 0.152 | 0.140 | 0.148 | 5.13  |      |
| 7) TP    | Trichlorofluor... | 0.272          | 0.306 | 0.294 | 0.296 | 0.311 | 0.335 | 0.335 | 0.307 | 7.45  |      |
| 8) TP    | Ethyl ether       | 0.075          | 0.088 | 0.075 | 0.075 | 0.076 | 0.079 | 0.079 | 0.078 | 5.70  |      |
| 10) TC   | 1,1-Dichloroet... | 0.178          | 0.218 | 0.198 | 0.204 | 0.209 | 0.222 | 0.219 | 0.207 | 7.50  |      |
| 11) TP   | Carbon disulfide  | 0.624          | 0.698 | 0.639 | 0.633 | 0.639 | 0.687 | 0.667 | 0.655 | 4.40  |      |
| 12) TP   | Freon-113         | 0.175          | 0.222 | 0.221 | 0.220 | 0.228 | 0.243 | 0.238 | 0.221 | 10.11 |      |
| 13) TP   | Iodomethane       | 0.253          | 0.341 | 0.322 | 0.339 | 0.349 | 0.357 | 0.346 | 0.329 | 10.78 |      |
| 14) TP   | Acrolein          |                | 0.021 | 0.024 | 0.024 | 0.026 | 0.028 | 0.028 | 0.025 | 10.59 |      |
| 15) TP   | Methylene chlo... | 0.254          | 0.266 | 0.227 | 0.228 | 0.230 | 0.239 | 0.238 | 0.240 | 6.07  |      |
| 17) TP   | Acetone           |                | 0.058 | 0.036 | 0.039 | 0.043 | 0.046 | 0.047 | 0.045 | 17.56 |      |
| 18) TP   | trans-1,2-Dich... | 0.232          | 0.255 | 0.231 | 0.229 | 0.233 | 0.245 | 0.239 | 0.238 | 3.85  |      |
| 19) TP   | Methyl acetate    |                | 0.103 | 0.099 | 0.102 | 0.105 | 0.110 | 0.107 | 0.104 | 3.59  |      |
| 20) TP   | Methyl tert-bu... | 0.420          | 0.477 | 0.425 | 0.432 | 0.445 | 0.460 | 0.457 | 0.445 | 4.66  |      |
| 21) TP   | tert-Butyl alc... |                | 0.014 | 0.012 | 0.012 | 0.012 | 0.013 | 0.013 | 0.012 | 6.45  |      |
| 22) TP   | Diisopropyl ether | 0.827          | 0.944 | 0.841 | 0.859 | 0.883 | 0.909 | 0.894 | 0.880 | 4.62  |      |
| 23) TP   | 1,1-Dichloroet... | 0.435          | 0.502 | 0.447 | 0.449 | 0.450 | 0.468 | 0.460 | 0.459 | 4.79  |      |
| 24) TP   | Halothane         | 0.177          | 0.200 | 0.185 | 0.187 | 0.190 | 0.201 | 0.197 | 0.191 | 4.63  |      |
| 25) TP   | Acrylonitrile     |                | 0.054 | 0.048 | 0.051 | 0.054 | 0.056 | 0.056 | 0.053 | 5.84  |      |
| 26) TP   | Ethyl tert-but... | 0.702          | 0.745 | 0.670 | 0.684 | 0.708 | 0.728 | 0.720 | 0.708 | 3.64  |      |
| 27) TP   | Vinyl acetate     |                | 0.484 | 0.449 | 0.473 | 0.467 | 0.494 | 0.512 | 0.480 | 4.60  |      |
| 28) TP   | cis-1,2-Dichlo... | 0.247          | 0.301 | 0.257 | 0.259 | 0.260 | 0.269 | 0.265 | 0.265 | 6.44  |      |
| 29) TP   | 2,2-Dichloropr... | 0.328          | 0.421 | 0.373 | 0.370 | 0.371 | 0.390 | 0.382 | 0.377 | 7.35  |      |
| 30) TP   | Bromochloromet... | 0.118          | 0.138 | 0.119 | 0.118 | 0.118 | 0.119 | 0.115 | 0.121 | 6.50  |      |
| 31) TP   | Cyclohexane       | 0.403          | 0.484 | 0.475 | 0.479 | 0.498 | 0.534 | 0.525 | 0.485 | 8.87  |      |
| 32) TC   | Chloroform        | 0.382          | 0.457 | 0.404 | 0.409 | 0.412 | 0.429 | 0.424 | 0.417 | 5.56  |      |
| 33) TP   | Ethyl acetate     |                | 0.148 | 0.143 | 0.154 | 0.165 | 0.173 | 0.173 | 0.159 | 8.07  |      |



## Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Method File : V105\_230208B\_8260.m  
 Title : VOLATILES BY GC/MS  
 Last Update : Thu Feb 09 06:59:00 2023  
 Response Via : Initial Calibration

## Calibration Files

L11 =V05230208B03.d L1 =V05230208B05.d L2 =V05230208B07.d L3 =V05230208B08.d L4 =V05230208B09.d  
 L6 =V05230208B10.d L8 =V05230208B11.d L10 =V05230208B12.d

|     | Compound             | L11            | L1    | L2    | L3    | L4    | L6    | L8    | L10   | Avg    | %RSD  |
|-----|----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 34) | TP Carbon tetrach... | 0.395          | 0.301 | 0.345 | 0.334 | 0.337 | 0.351 | 0.375 | 0.373 | 0.351  | 8.33  |
| 35) | TP Tetrahydrofuran   |                | 0.064 | 0.045 | 0.044 | 0.044 | 0.047 | 0.046 | 0.048 |        | 16.35 |
| 36) | S Dibromofluorom...  | 0.270          | 0.272 | 0.275 | 0.269 | 0.266 | 0.259 | 0.257 | 0.256 | 0.266  | 2.73  |
| 37) | TP 1,1,1-Trichlor... |                | 0.348 | 0.385 | 0.368 | 0.368 | 0.377 | 0.398 | 0.393 | 0.377  | 4.59  |
| 39) | TP 2-Butanone        |                | 0.071 | 0.075 | 0.075 | 0.077 | 0.080 | 0.078 | 0.076 |        | 4.23  |
| 40) | TP 1,1-Dichloropr... |                | 0.274 | 0.317 | 0.305 | 0.305 | 0.315 | 0.337 | 0.333 | 0.312  | 6.78  |
| 41) | TP Benzene           | 0.895          | 0.880 | 0.998 | 0.890 | 0.909 | 0.926 | 0.961 | 0.938 | 0.925  | 4.31  |
| 42) | TP tert-Amyl meth... |                | 0.539 | 0.578 | 0.509 | 0.520 | 0.544 | 0.563 | 0.561 | 0.545  | 4.51  |
| 43) | S 1,2-Dichloroet...  | 0.289          | 0.290 | 0.296 | 0.304 | 0.278 | 0.278 | 0.281 | 0.293 | 0.289  | 3.21  |
| 44) | TP 1,2-Dichloroet... |                | 0.316 | 0.327 | 0.285 | 0.290 | 0.295 | 0.307 | 0.304 | 0.303  | 4.88  |
| 47) | TP Methyl cyclohe... |                | 0.340 | 0.412 | 0.431 | 0.432 | 0.443 | 0.478 | 0.471 | 0.430  | 10.62 |
| 48) | TP Trichloroethene   | 0.214          | 0.235 | 0.262 | 0.247 | 0.250 | 0.257 | 0.267 | 0.260 | 0.249  | 6.87  |
| 50) | TP Dibromomethane    |                | 0.144 | 0.145 | 0.121 | 0.122 | 0.125 | 0.131 | 0.133 | 0.131  | 7.36  |
| 51) | TC 1,2-Dichloropr... |                | 0.247 | 0.279 | 0.249 | 0.255 | 0.259 | 0.270 | 0.269 | 0.261  | 4.62  |
| 53) | TP 2-Chloroethyl ... |                |       | 0.139 | 0.123 | 0.129 | 0.135 | 0.140 | 0.141 | 0.134  | 5.08  |
| 54) | TP Bromodichlorom... |                | 0.310 | 0.363 | 0.311 | 0.319 | 0.325 | 0.337 | 0.336 | 0.329  | 5.56  |
| 57) | TP 1,4-Dioxane       |                | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 3.41  |
| 58) | TP cis-1,3-Dichlo... |                | 0.372 | 0.396 | 0.363 | 0.376 | 0.385 | 0.400 | 0.396 | 0.384  | 3.73  |
| 59) | I Chlorobenzene-d5   | -----ISTD----- |       |       |       |       |       |       |       |        |       |
| 60) | S Toluene-d8         | 1.264          | 1.252 | 1.277 | 1.278 | 1.284 | 1.266 | 1.287 | 1.275 | 1.273  | 0.90  |
| 61) | TC Toluene           |                | 0.715 | 0.832 | 0.739 | 0.755 | 0.758 | 0.801 | 0.775 | 0.768  | 5.11  |
| 62) | TP 4-Methyl-2-pen... |                |       | 0.080 | 0.072 | 0.072 | 0.075 | 0.078 | 0.076 | 0.076  | 4.26  |
| 63) | TP Tetrachloroethene |                | 0.297 | 0.374 | 0.351 | 0.357 | 0.363 | 0.387 | 0.376 | 0.358  | 8.28  |
| 65) | TP trans-1,3-Dich... |                | 0.386 | 0.438 | 0.394 | 0.411 | 0.417 | 0.439 | 0.430 | 0.416  | 5.04  |
| 67) | TP Ethyl methacry... |                | 0.283 | 0.309 | 0.273 | 0.276 | 0.280 | 0.295 | 0.287 | 0.286  | 4.39  |
| 68) | TP 1,1,2-Trichlor... |                | 0.188 | 0.203 | 0.181 | 0.185 | 0.188 | 0.197 | 0.193 | 0.191# | 3.88  |
| 69) | TP Chlorodibromom... |                | 0.311 | 0.330 | 0.291 | 0.301 | 0.310 | 0.330 | 0.326 | 0.314  | 4.80  |
| 70) | TP 1,3-Dichloropr... |                | 0.378 | 0.429 | 0.380 | 0.389 | 0.396 | 0.420 | 0.410 | 0.400  | 4.94  |
| 71) | TP 1,2-Dibromoethane |                | 0.213 | 0.224 | 0.207 | 0.221 | 0.231 | 0.245 | 0.242 | 0.226  | 6.23  |
| 72) | TP 2-Hexanone        |                |       | 0.143 | 0.140 | 0.133 | 0.140 | 0.148 | 0.145 | 0.141  | 3.54  |
| 73) | TP Chlorobenzene     |                | 0.880 | 0.962 | 0.844 | 0.867 | 0.865 | 0.912 | 0.880 | 0.887  | 4.40  |

## Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Method File : V105\_230208B\_8260.m  
 Title : VOLATILES BY GC/MS  
 Last Update : Thu Feb 09 06:59:00 2023  
 Response Via : Initial Calibration

## Calibration Files

L11 =V05230208B03.d L1 =V05230208B05.d L2 =V05230208B07.d L3 =V05230208B08.d L4 =V05230208B09.d  
 L6 =V05230208B10.d L8 =V05230208B11.d L10 =V05230208B12.d

| Compound |                        | L11            | L1    | L2    | L3    | L4    | L6    | L8    | L10   | Avg   | %RSD |
|----------|------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 74) TC   | Ethylbenzene           | 1.405          | 1.607 | 1.476 | 1.484 | 1.496 | 1.557 | 1.463 | 1.498 | 4.39  |      |
| 75) TP   | 1,1,1,2-Tetrac...      | 0.310          | 0.356 | 0.313 | 0.320 | 0.321 | 0.339 | 0.328 | 0.327 | 4.94  |      |
| 76) TP   | p/m Xylene             | 0.542          | 0.648 | 0.575 | 0.579 | 0.571 | 0.593 | 0.548 | 0.580 | 6.05  |      |
| 77) TP   | o Xylene               | 0.534          | 0.630 | 0.559 | 0.561 | 0.558 | 0.577 | 0.538 | 0.565 | 5.66  |      |
| 78) TP   | Styrene                | 0.849          | 1.025 | 0.914 | 0.937 | 0.913 | 0.931 | 0.828 | 0.914 | 7.04  |      |
| 79) I    | 1,4-Dichlorobenzene-d4 | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 80) TP   | Bromoform              | 0.319          | 0.356 | 0.316 | 0.329 | 0.344 | 0.365 | 0.366 | 0.342 | 6.12  |      |
| 82) TP   | Isopropylbenzene       | 2.509          | 2.976 | 2.745 | 2.784 | 2.865 | 3.070 | 2.945 | 2.842 | 6.51  |      |
| 83) S    | 4-Bromofluorob...      | 0.902          | 0.903 | 0.898 | 0.905 | 0.913 | 0.922 | 0.960 | 0.986 | 0.924 | 3.48 |
| 84) TP   | Bromobenzene           | 0.611          | 0.718 | 0.640 | 0.663 | 0.691 | 0.738 | 0.741 | 0.686 | 7.31  |      |
| 85) TP   | n-Propylbenzene        | 3.004          | 3.466 | 3.223 | 3.290 | 3.361 | 3.527 | 3.258 | 3.304 | 5.21  |      |
| 86) TP   | 1,4-Dichlorobu...      | 0.845          | 0.870 | 0.737 | 0.754 | 0.782 | 0.830 | 0.828 | 0.807 | 6.15  |      |
| 87) TP   | 1,1,2,2-Tetrac...      | 0.510          | 0.516 | 0.442 | 0.449 | 0.467 | 0.503 | 0.508 | 0.485 | 6.50  |      |
| 88) TP   | 4-Ethyltoluene         | 2.545          | 2.952 | 2.716 | 2.746 | 2.812 | 2.976 | 2.775 | 2.789 | 5.26  |      |
| 89) TP   | 2-Chlorotoluene        | 1.881          | 2.074 | 1.903 | 1.925 | 1.966 | 2.012 | 2.001 | 1.966 | 3.46  |      |
| 90) TP   | 1,3,5-Trimethy...      | 2.230          | 2.589 | 2.330 | 2.351 | 2.367 | 2.511 | 2.343 | 2.389 | 5.06  |      |
| 91) TP   | 1,2,3-Trichlor...      | 0.387          | 0.404 | 0.341 | 0.347 | 0.359 | 0.382 | 0.378 | 0.371 | 6.18  |      |
| 92) TP   | trans-1,4-Dich...      | 0.167          | 0.182 | 0.155 | 0.161 | 0.168 | 0.181 | 0.177 | 0.170 | 6.03  |      |
| 93) TP   | 4-Chlorotoluene        | 1.844          | 2.250 | 1.962 | 1.999 | 2.027 | 2.161 | 2.078 | 2.046 | 6.50  |      |
| 94) TP   | tert-Butylbenzene      | 1.909          | 2.219 | 2.050 | 2.081 | 2.140 | 2.282 | 2.187 | 2.124 | 5.83  |      |
| 97) TP   | 1,2,4-Trimethy...      | 2.277          | 2.506 | 2.272 | 2.314 | 2.349 | 2.467 | 2.326 | 2.359 | 3.91  |      |
| 98) TP   | sec-Butylbenzene       | 2.647          | 3.030 | 2.869 | 2.901 | 2.964 | 3.162 | 2.914 | 2.927 | 5.40  |      |
| 99) TP   | p-Isopropyltol...      | 2.410          | 2.829 | 2.628 | 2.623 | 2.678 | 2.808 | 2.565 | 2.649 | 5.43  |      |
| 100) TP  | 1,3-Dichlorobe...      | 1.204          | 1.438 | 1.248 | 1.274 | 1.304 | 1.373 | 1.321 | 1.309 | 5.98  |      |
| 101) TP  | 1,4-Dichlorobe...      | 1.295          | 1.445 | 1.246 | 1.266 | 1.291 | 1.353 | 1.303 | 1.314 | 5.08  |      |
| 102) TP  | p-Diethylbenzene       | 1.495          | 1.690 | 1.527 | 1.553 | 1.601 | 1.704 | 1.621 | 1.599 | 4.96  |      |
| 103) TP  | n-Butylbenzene         | 1.829          | 2.234 | 2.054 | 2.101 | 2.145 | 2.287 | 2.167 | 2.117 | 7.04  |      |
| 104) TP  | 1,2-Dichlorobe...      | 1.136          | 1.264 | 1.115 | 1.125 | 1.158 | 1.223 | 1.183 | 1.172 | 4.70  |      |
| 105) TP  | 1,2,4,5-Tetram...      | 2.187          | 2.440 | 2.194 | 2.236 | 2.260 | 2.349 | 2.189 | 2.265 | 4.25  |      |
| 106) TP  | 1,2-Dibromo-3-...      | 0.078          | 0.080 | 0.071 | 0.071 | 0.076 | 0.082 | 0.080 | 0.077 | 5.59  |      |
| 107) TP  | 1,3,5-Trichlor...      | 0.797          | 0.922 | 0.822 | 0.840 | 0.856 | 0.895 | 0.856 | 0.856 | 4.94  |      |

# Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Method File : V105\_230208B\_8260.m  
 Title : VOLATILES BY GC/MS  
 Last Update : Thu Feb 09 06:59:00 2023  
 Response Via : Initial Calibration

## Calibration Files

L11 =V05230208B03.d L1 =V05230208B05.d L2 =V05230208B07.d L3 =V05230208B08.d L4 =V05230208B09.d  
 L6 =V05230208B10.d L8 =V05230208B11.d L10 =V05230208B12.d

| Compound |                      | L11   | L1    | L2    | L3    | L4    | L6    | L8    | L10   | Avg  | %RSD |
|----------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 108)     | TP Hexachlorobuta... | 0.302 | 0.347 | 0.334 | 0.329 | 0.337 | 0.375 | 0.367 | 0.342 | 7.22 |      |
| 109)     | TP 1,2,4-Trichlor... | 0.641 | 0.754 | 0.667 | 0.674 | 0.694 | 0.729 | 0.703 | 0.694 | 5.50 |      |
| 110)     | TP Naphthalene       | 1.461 | 1.485 | 1.282 | 1.281 | 1.325 | 1.420 | 1.375 | 1.376 | 6.06 |      |
| 111)     | TP 1,2,3-Trichlor... | 0.544 | 0.600 | 0.520 | 0.518 | 0.540 | 0.573 | 0.557 | 0.550 | 5.31 |      |

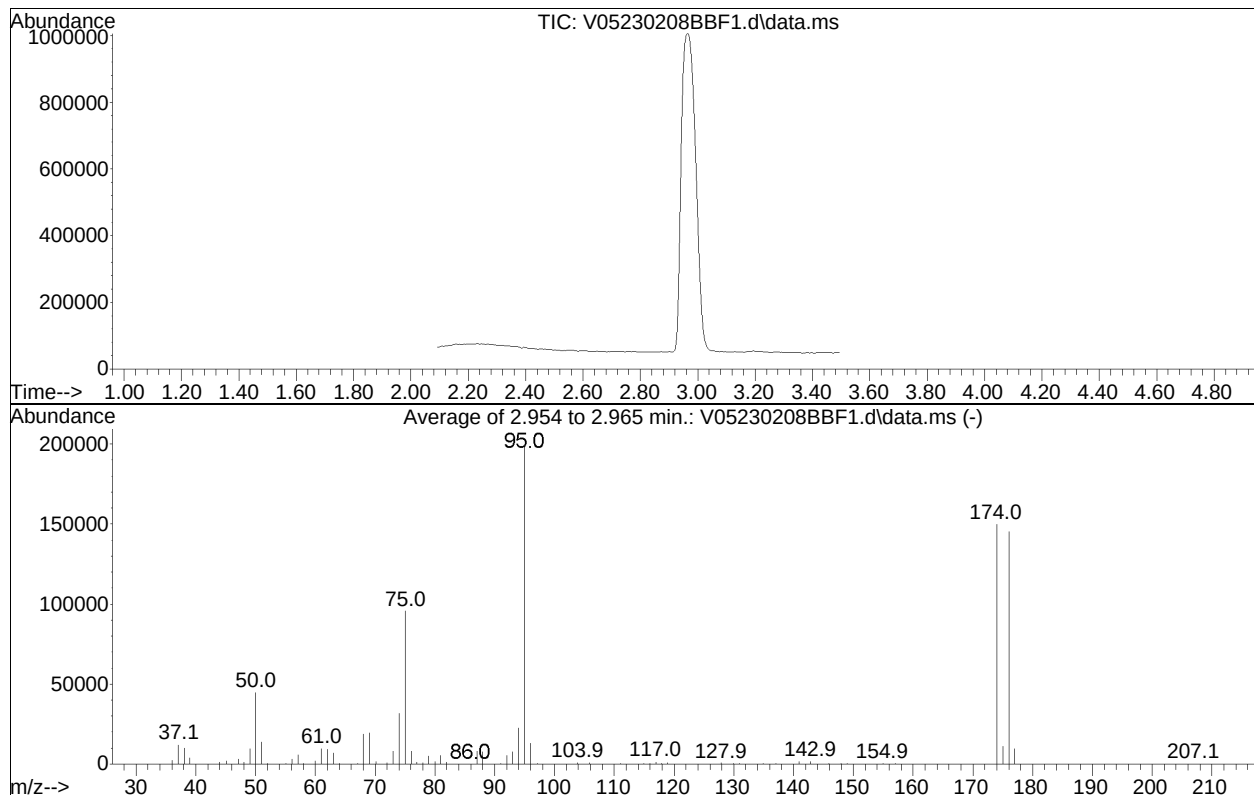
(#) = Out of Range

## BFB

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208BBF1.d  
 Acq On : 8 Feb 2023 12:34 pm  
 Operator : VOA105:PID  
 Sample : WG1742505-1  
 Misc : WG1742505  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Title : VOLATILES BY GC/MS  
 Last Update : Thu Feb 09 06:59:00 2023



AutoFind: Scans 159, 160, 161; Background Corrected with Scan 148

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 22.5      | 44837   | PASS             |
| 75          | 95           | 30           | 60           | 48.0      | 95763   | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 199599  | PASS             |
| 96          | 95           | 5            | 9            | 6.6       | 13078   | PASS             |
| 173         | 174          | 0.00         | 2            | 0.0       | 0       | PASS             |
| 174         | 95           | 50           | 100          | 75.1      | 149803  | PASS             |
| 175         | 174          | 5            | 9            | 7.4       | 11123   | PASS             |
| 176         | 174          | 95           | 101          | 97.0      | 145237  | PASS             |
| 177         | 176          | 5            | 9            | 6.6       | 9579    | PASS             |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B03.d  
 Acq On : 8 Feb 2023 1:34 pm  
 Operator : VOA105:PID  
 Sample : I8260STD0.19PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 09 06:55:03 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-L11 - Level 11 for 8260-LRR product

| Compound                    | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|----------------|------|----------|--------|---------|----------|
| -----                       |                |      |          |        |         |          |
| Internal Standards          |                |      |          |        |         |          |
| 1) Fluorobenzene            | 5.792          | 96   | 623319   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 634465    |                |      | Recovery | =      | 98.24%  |          |
| 59) Chlorobenzene-d5        | 9.294          | 117  | 488515   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 496701    |                |      | Recovery | =      | 98.35%  |          |
| 79) 1,4-Dichlorobenzene-d4  | 12.047         | 152  | 271552   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 276585    |                |      | Recovery | =      | 98.18%  |          |
| System Monitoring Compounds |                |      |          |        |         |          |
| 36) Dibromofluoromethane    | 5.000          | 113  | 168050   | 10.154 | ug/L    | 0.00     |
| Spiked Amount 10.000        | Range 70 - 130 |      | Recovery | =      | 101.54% |          |
| 43) 1,2-Dichloroethane-d4   | 5.518          | 65   | 180117   | 10.012 | ug/L    | 0.00     |
| Spiked Amount 10.000        | Range 70 - 130 |      | Recovery | =      | 100.12% |          |
| 60) Toluene-d8              | 7.464          | 98   | 617440   | 9.930  | ug/L    | 0.00     |
| Spiked Amount 10.000        | Range 70 - 130 |      | Recovery | =      | 99.30%  |          |
| 83) 4-Bromofluorobenzene    | 10.813         | 95   | 244981   | 9.763  | ug/L    | 0.00     |
| Spiked Amount 10.000        | Range 70 - 130 |      | Recovery | =      | 97.63%  |          |
| Target Compounds            |                |      |          |        |         |          |
| 4) Vinyl chloride           | 1.801          | 62   | 2385     | 0.155  | ug/L #  | 58       |
| 34) Carbon tetrachloride    | 4.941          | 117  | 4675     | 0.214  | ug/L    | 87       |
| 41) Benzene                 | 5.381          | 78   | 10605    | 0.184  | ug/L #  | 92       |
| 48) Trichloroethene         | 5.968          | 95   | 2538     | 0.164  | ug/L    | 96       |
| -----                       |                |      |          |        |         |          |

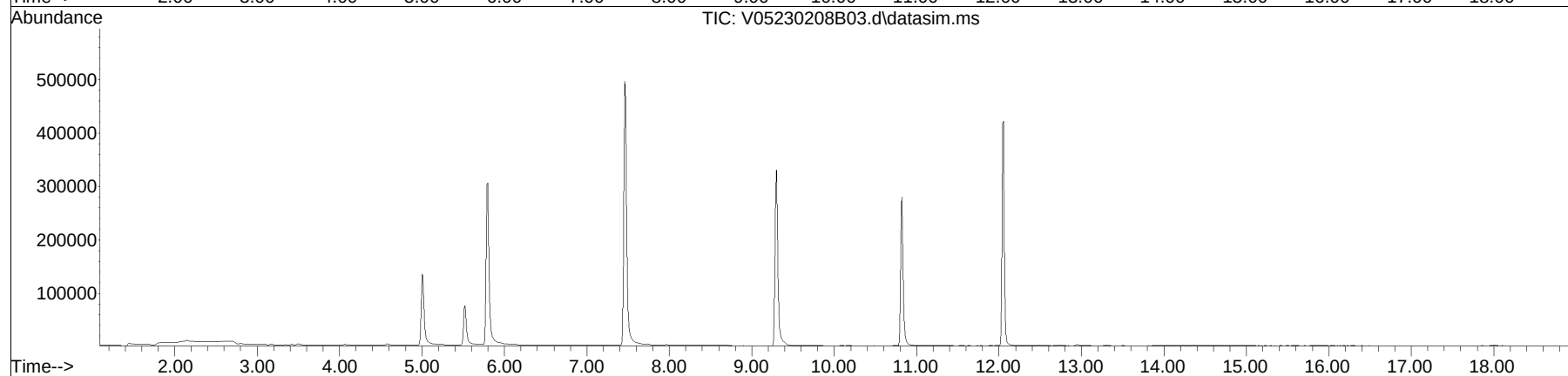
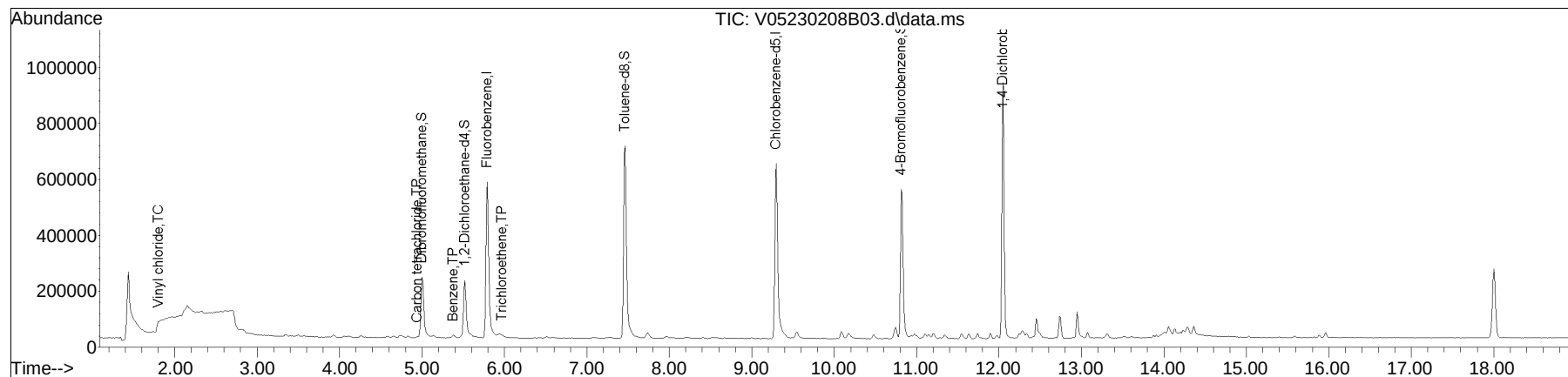
(#) = qualifier out of range (m) = manual integration (+) = signals summed

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B03.d  
 Acq On : 8 Feb 2023 1:34 pm  
 Operator : VOA105:PID  
 Sample : I8260STD0.19PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 09 06:55:03 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product\V05230208B08.d•



# Manual Integration Report

|            |                               |            |                       |
|------------|-------------------------------|------------|-----------------------|
| Data Path  | : I:\VOLATILES\VOA105\2023\2Q | Method     | : V105_230208B_8260.m |
| Data File  | : V05230208B03.d              | Operator   | : VOA105:PID          |
| Date Inj'd | : 2/8/2023 1:34 pm            | Instrument | : VOA 105             |
| Sample     | : I8260STD0.19PPB             | Quant Date | : 2/9/2023 6:55 am    |

There are no manual integrations or false positives in this file.

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B05.d  
 Acq On : 8 Feb 2023 2:21 pm  
 Operator : VOA105:PID  
 Sample : I8260STD0.5PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:13:03 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 628109   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =      | 99.00%  |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 499131   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =      | 100.49% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 273118   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =      | 98.75%  |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 170590   | 10.229 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 102.29% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 182110   | 10.046 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 100.46% |          |
| 60) Toluene-d8               | 7.465          | 98   | 624844   | 9.836  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 98.36%  |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 246759   | 9.778  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 97.78%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 5259M6   | 0.389  | ug/L    |          |
| 3) Chloromethane             | 1.733          | 50   | 9377     | 0.467  | ug/L    | 91       |
| 4) Vinyl chloride            | 1.801          | 62   | 6762     | 0.437  | ug/L    | 84       |
| 5) Bromomethane              | 2.095          | 94   | 3551     | 0.436  | ug/L    | 94       |
| 6) Chloroethane              | 2.202          | 64   | 4379     | 0.472  | ug/L    | 99       |
| 7) Trichlorofluoromethane    | 2.330          | 101  | 8538M6   | 0.442  | ug/L    |          |
| 8) Ethyl ether               | 2.613          | 74   | 2364M6   | 0.482  | ug/L    |          |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 5582     | 0.430  | ug/L    | 85       |
| 11) Carbon disulfide         | 2.828          | 76   | 19598    | 0.476  | ug/L    | 91       |
| 12) Freon-113                | 2.828          | 101  | 5482     | 0.395  | ug/L #  | 46       |
| 13) Iodomethane              | 2.936          | 142  | 7935     | 0.383  | ug/L    | 92       |
| 14) Acrolein                 | 0.000          |      | 0        | N.D.   | d       |          |
| 15) Methylene chloride       | 3.347          | 84   | 7991     | 0.529  | ug/L #  | 71       |
| 17) Acetone                  | 0.000          |      | 0        | N.D.   | d       |          |
| 18) trans-1,2-Dichloroethene | 3.494          | 96   | 7299     | 0.488  | ug/L    | 95       |
| 19) Methyl acetate           | 0.000          |      | 0        | N.D.   | d       |          |
| 20) Methyl tert-butyl ether  | 3.582          | 73   | 13180    | 0.471  | ug/L #  | 66       |
| 21) tert-Butyl alcohol       | 0.000          |      | 0        | N.D.   | d       |          |
| 22) Diisopropyl ether        | 3.924          | 45   | 25968    | 0.470  | ug/L #  | 92       |
| 23) 1,1-Dichloroethane       | 4.061          | 63   | 13649    | 0.474  | ug/L    | 91       |
| 24) Halothane                | 4.110          | 117  | 5556     | 0.463  | ug/L    | 85       |



# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B05.d  
 Acq On : 8 Feb 2023 2:21 pm  
 Operator : VOA105:PID  
 Sample : I8260STD0.5PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:13:03 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 25) Acrylonitrile             | 0.000  |      | 0        | N.D.   | d      |          |
| 26) Ethyl tert-butyl ether    | 4.256  | 59   | 22034    | 0.495  | ug/L # | 69       |
| 27) Vinyl acetate             | 0.000  |      | 0        | N.D.   | d      |          |
| 28) cis-1,2-Dichloroethene    | 4.569  | 96   | 7767     | 0.466  | ug/L   | 93       |
| 29) 2,2-Dichloropropane       | 4.657  | 77   | 10312    | 0.436  | ug/L   | 81       |
| 30) Bromochloromethane        | 4.765  | 128  | 3709     | 0.488  | ug/L # | 78       |
| 31) Cyclohexane               | 4.736  | 56   | 12643    | 0.415  | ug/L   | 70       |
| 32) Chloroform                | 4.833  | 83   | 12009    | 0.459  | ug/L # | 94       |
| 33) Ethyl acetate             | 0.000  |      | 0        | N.D.   | d      |          |
| 34) Carbon tetrachloride      | 4.941  | 117  | 9439     | 0.428  | ug/L   | 96       |
| 35) Tetrahydrofuran           | 0.000  |      | 0        | N.D.   | d      |          |
| 37) 1,1,1-Trichloroethane     | 5.010  | 97   | 10914    | 0.461  | ug/L   | 93       |
| 39) 2-Butanone                | 0.000  |      | 0        | N.D.   | d      |          |
| 40) 1,1-Dichloropropene       | 5.137  | 75   | 8595     | 0.438  | ug/L # | 88       |
| 41) Benzene                   | 5.381  | 78   | 27633    | 0.475  | ug/L # | 91       |
| 42) tert-Amyl methyl ether    | 5.479  | 73   | 16921    | 0.494  | ug/L   | 95       |
| 44) 1,2-Dichloroethane        | 5.587  | 62   | 9912     | 0.520  | ug/L   | 95       |
| 47) Methyl cyclohexane        | 5.939  | 83   | 10690    | 0.396  | ug/L # | 60       |
| 48) Trichloroethene           | 5.968  | 95   | 7394     | 0.473  | ug/L   | 94       |
| 50) Dibromomethane            | 6.418  | 93   | 4508     | 0.546  | ug/L   | 93       |
| 51) 1,2-Dichloropropane       | 6.506  | 63   | 7742     | 0.472  | ug/L # | 86       |
| 53) 2-Chloroethyl vinyl ether | 0.000  |      | 0        | N.D.   | d      |          |
| 54) Bromodichloromethane      | 6.584  | 83   | 9747     | 0.472  | ug/L   | 95       |
| 57) 1,4-Dioxane               | 6.799  | 88   | 7852     | 94.779 | ug/L # | 69       |
| 58) cis-1,3-Dichloropropene   | 7.269  | 75   | 11679    | 0.484  | ug/L # | 74       |
| 61) Toluene                   | 7.523  | 92   | 17840    | 0.465  | ug/L   | 100      |
| 62) 4-Methyl-2-pentanone      | 0.000  |      | 0        | N.D.   | d      |          |
| 63) Tetrachloroethene         | 7.963  | 166  | 7402     | 0.415  | ug/L   | 96       |
| 65) trans-1,3-Dichloropropene | 8.032  | 75   | 9626     | 0.463  | ug/L # | 81       |
| 67) Ethyl methacrylate        | 8.218  | 69   | 7068     | 0.495  | ug/L   | 99       |
| 68) 1,1,2-Trichloroethane     | 8.198  | 83   | 4700     | 0.494  | ug/L   | 94       |
| 69) Chlorodibromomethane      | 8.413  | 129  | 7761     | 0.495  | ug/L   | 95       |
| 70) 1,3-Dichloropropane       | 8.521  | 76   | 9440     | 0.473  | ug/L # | 86       |
| 71) 1,2-Dibromoethane         | 8.677  | 107  | 5307     | 0.470  | ug/L # | 77       |
| 72) 2-Hexanone                | 0.000  |      | 0        | N.D.   | d      |          |
| 73) Chlorobenzene             | 9.314  | 112  | 21964    | 0.496  | ug/L   | 95       |
| 74) Ethylbenzene              | 9.353  | 91   | 35063    | 0.469  | ug/L   | 99       |
| 75) 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 7743     | 0.475  | ug/L # | 57       |
| 76) p/m Xylene                | 9.539  | 106  | 27069    | 0.936  | ug/L   | 87       |
| 77) o Xylene                  | 10.088 | 106  | 26654    | 0.945  | ug/L   | 88       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B05.d  
 Acq On : 8 Feb 2023 2:21 pm  
 Operator : VOA105:PID  
 Sample : I8260STD0.5PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:13:03 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |     |
|------|---------------------------|--------|------|----------|-------|-------|----------|-----|
| 78)  | Styrene                   | 10.166 | 104  | 42398    | 0.930 | ug/L  |          | 91  |
| 80)  | Bromoform                 | 10.186 | 173  | 4361     | 0.466 | ug/L  |          | 99  |
| 82)  | Isopropylbenzene          | 10.480 | 105  | 34263    | 0.441 | ug/L  |          | 92  |
| 84)  | Bromobenzene              | 10.930 | 156  | 8346     | 0.445 | ug/L  |          | 98  |
| 85)  | n-Propylbenzene           | 10.970 | 91   | 41029    | 0.455 | ug/L  |          | 93  |
| 86)  | 1,4-Dichlorobutane        | 11.009 | 55   | 11544M6  | 0.524 | ug/L  |          |     |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.087 | 83   | 6962     | 0.525 | ug/L  |          | 93  |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 34756    | 0.456 | ug/L  |          | 94  |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 25689M6  | 0.478 | ug/L  |          |     |
| 90)  | 1,3,5-Trimethylbenzene    | 11.205 | 105  | 30451    | 0.467 | ug/L  |          | 91  |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 5283M4   | 0.521 | ug/L  |          |     |
| 92)  | trans-1,4-Dichloro-2-b... | 11.283 | 53   | 2278     | 0.490 | ug/L  | #        | 72  |
| 93)  | 4-Chlorotoluene           | 11.342 | 91   | 25180    | 0.451 | ug/L  | #        | 86  |
| 94)  | tert-Butylbenzene         | 11.548 | 119  | 26065    | 0.449 | ug/L  |          | 97  |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 31088    | 0.483 | ug/L  |          | 96  |
| 98)  | sec-Butylbenzene          | 11.734 | 105  | 36146    | 0.452 | ug/L  |          | 96  |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 32909    | 0.455 | ug/L  |          | 95  |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 16438    | 0.460 | ug/L  |          | 99  |
| 101) | 1,4-Dichlorobenzene       | 12.067 | 146  | 17690M3  | 0.493 | ug/L  |          |     |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 20415    | 0.468 | ug/L  |          | 96  |
| 103) | n-Butylbenzene            | 12.331 | 91   | 24974    | 0.432 | ug/L  |          | 97  |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 15515    | 0.485 | ug/L  |          | 97  |
| 105) | 1,2,4,5-Tetramethylben... | 13.076 | 119  | 29862    | 0.483 | ug/L  |          | 96  |
| 106) | 1,2-Dibromo-3-chloropr... | 13.281 | 155  | 1062     | 0.506 | ug/L  |          | 92  |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 10889    | 0.466 | ug/L  |          | 97  |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 4119     | 0.441 | ug/L  |          | 97  |
| 109) | 1,2,4-Trichlorobenzene    | 13.908 | 180  | 8757     | 0.462 | ug/L  |          | 95  |
| 110) | Naphthalene               | 14.202 | 128  | 19951    | 0.531 | ug/L  |          | 100 |
| 111) | 1,2,3-Trichlorobenzene    | 14.369 | 180  | 7431     | 0.494 | ug/L  |          | 98  |

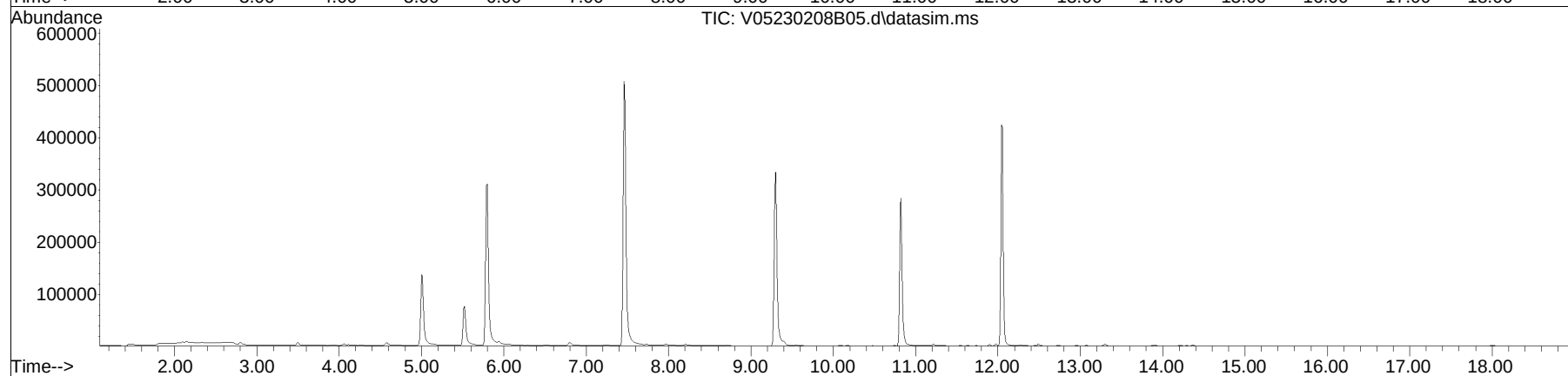
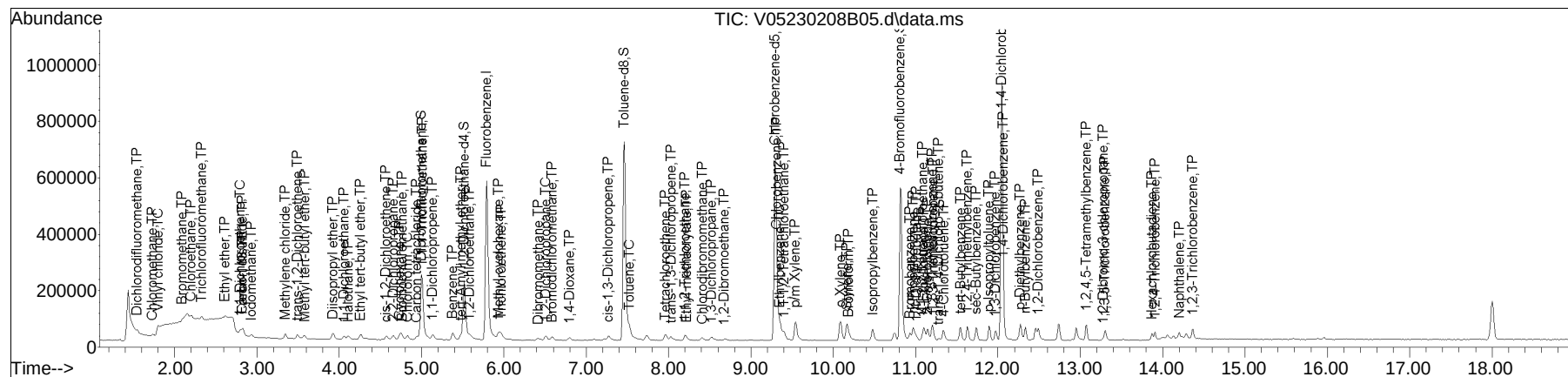
(#) = qualifier out of range (m) = manual integration (+) = signals summed

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B05.d  
 Acq On : 8 Feb 2023 2:21 pm  
 Operator : VOA105:PID  
 Sample : I8260STD0.5PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 09 09:13:03 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•



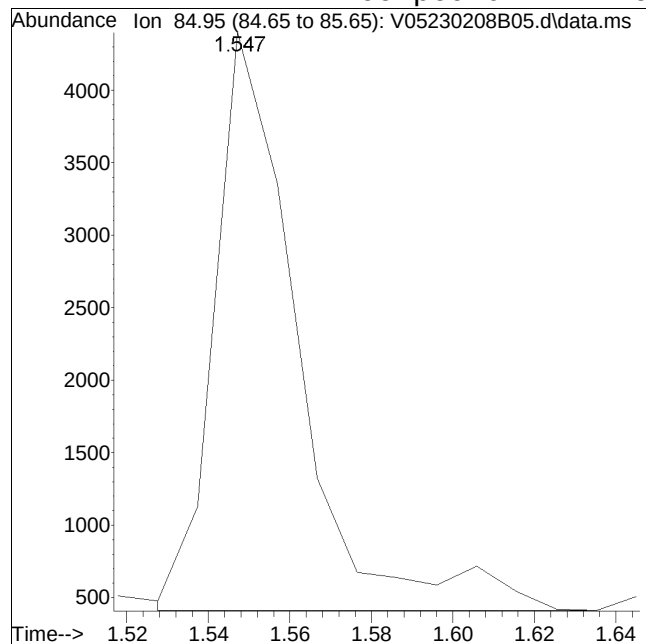
V105\_230208B\_8260.m Thu Feb 09 09:19:11 2023

Page: 4

# Manual Integration Report

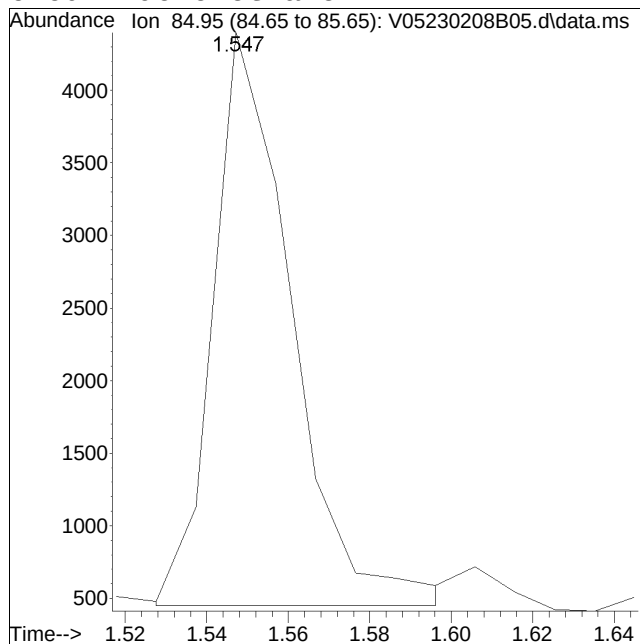
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B05.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 2:21 pm Instrument : VOA 105  
Sample : I8260STD0.5PPB Quant Date : 2/9/2023 6:55 am

## Compound #2: Dichlorodifluoromethane



Original Peak Response = 5678

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

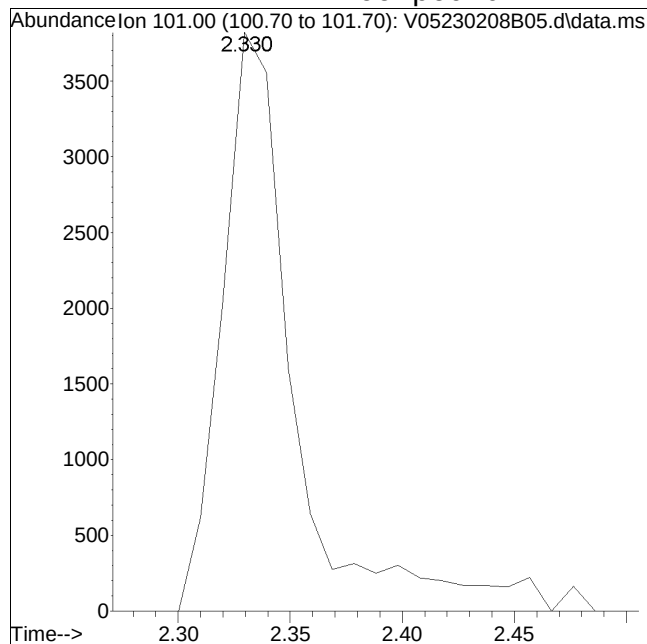


Manual Peak Response = 5259 M6

## Manual Integration Report

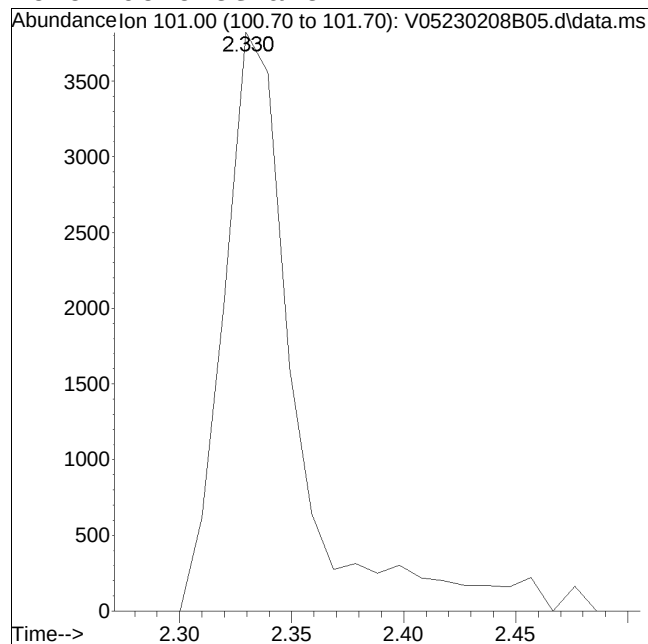
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B05.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 2:21 pm Instrument : VOA 105  
Sample : I8260STD0.5PPB Quant Date : 2/9/2023 6:55 am

### Compound #7: Trichlorofluoromethane



Original Peak Response = 8634

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

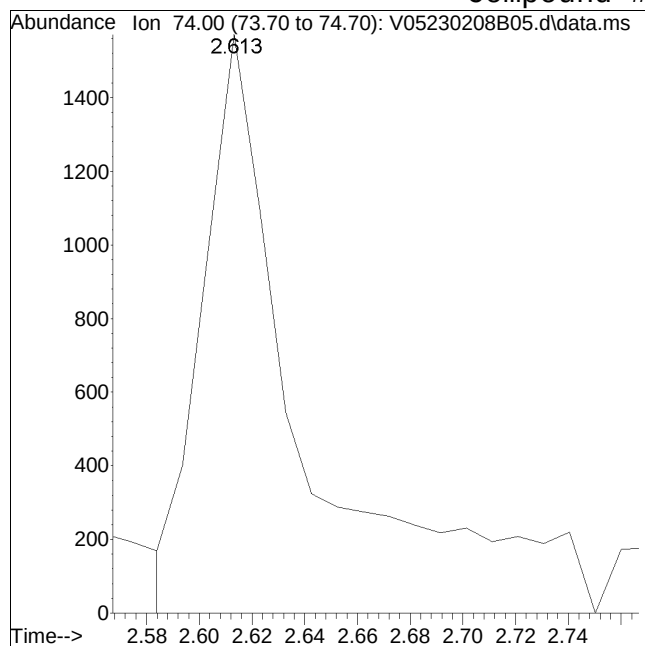


Manual Peak Response = 8538 M6

# Manual Integration Report

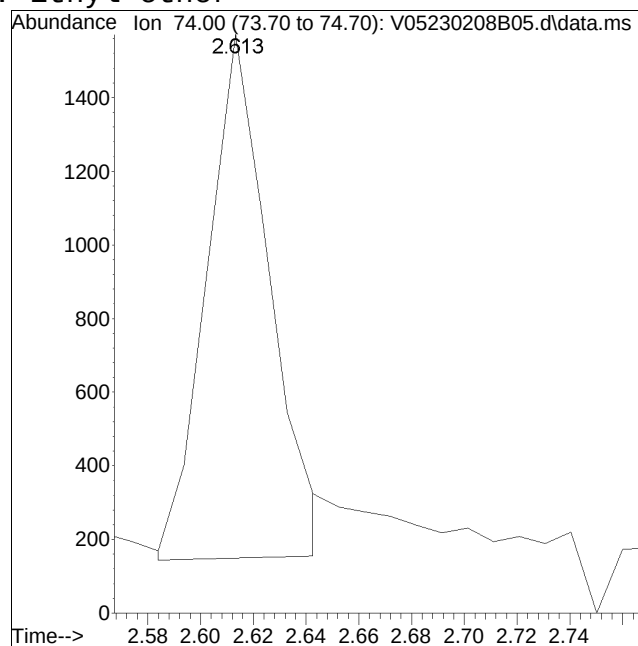
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B05.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 2:21 pm Instrument : VOA 105  
Sample : I8260STD0.5PPB Quant Date : 2/9/2023 6:55 am

## Compound #8: Ethyl ether



Original Peak Response = 4255

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

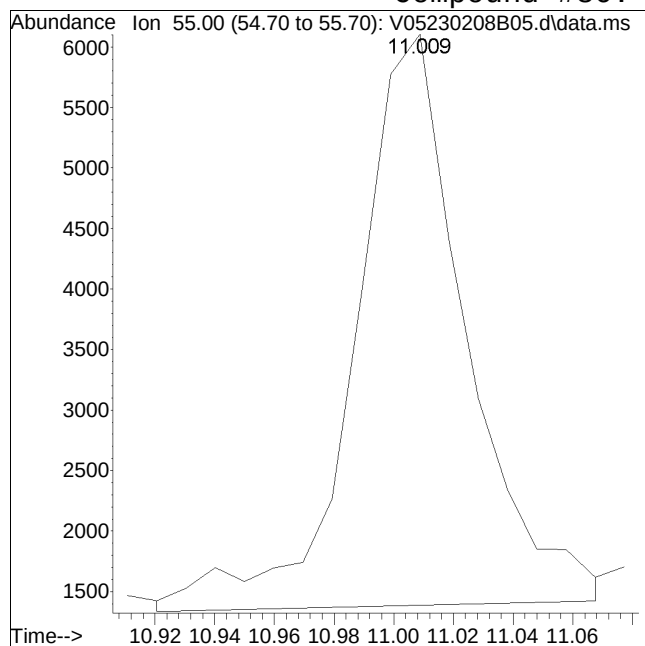


Manual Peak Response = 2364 M6

# Manual Integration Report

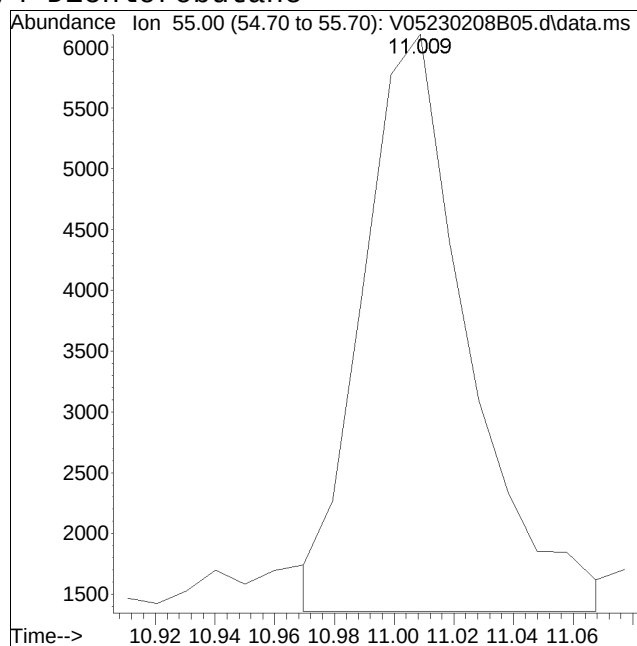
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B05.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 2:21 pm Instrument : VOA 105  
Sample : I8260STD0.5PPB Quant Date : 2/9/2023 6:55 am

## Compound #86: 1,4-Dichlorobutane



Original Peak Response = 12225

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

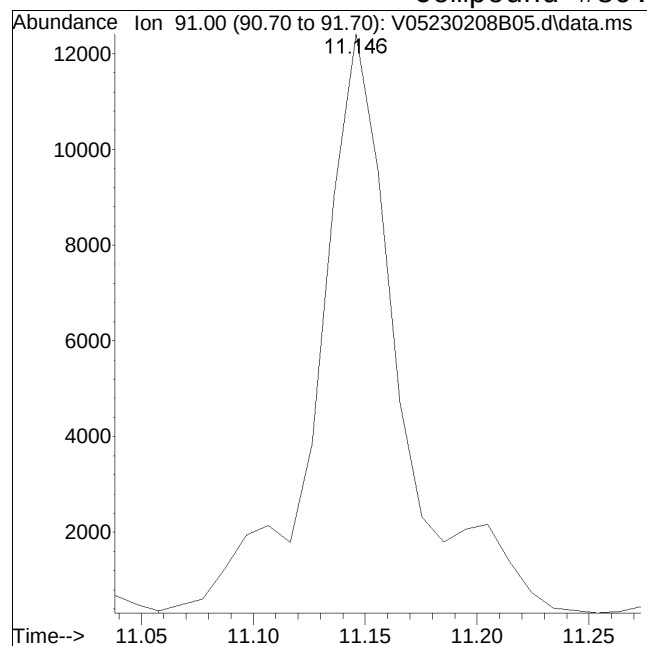


Manual Peak Response = 11544 M6

# Manual Integration Report

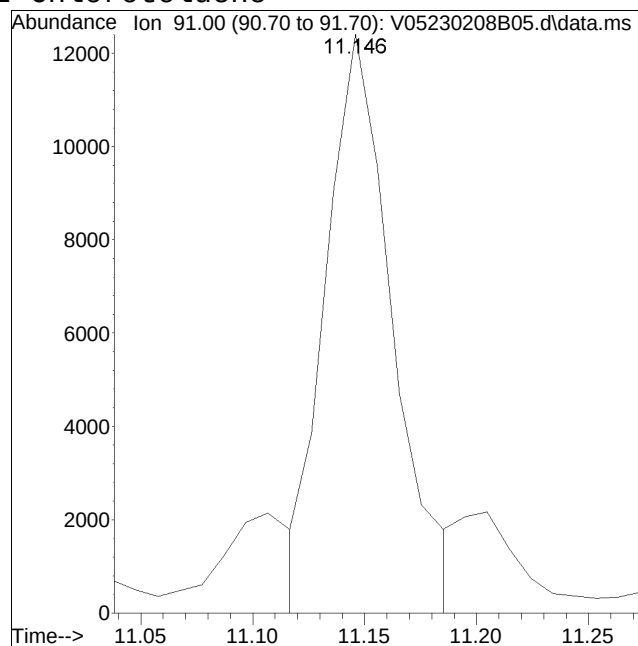
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B05.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 2:21 pm Instrument : VOA 105  
Sample : I8260STD0.5PPB Quant Date : 2/9/2023 6:55 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 31183

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



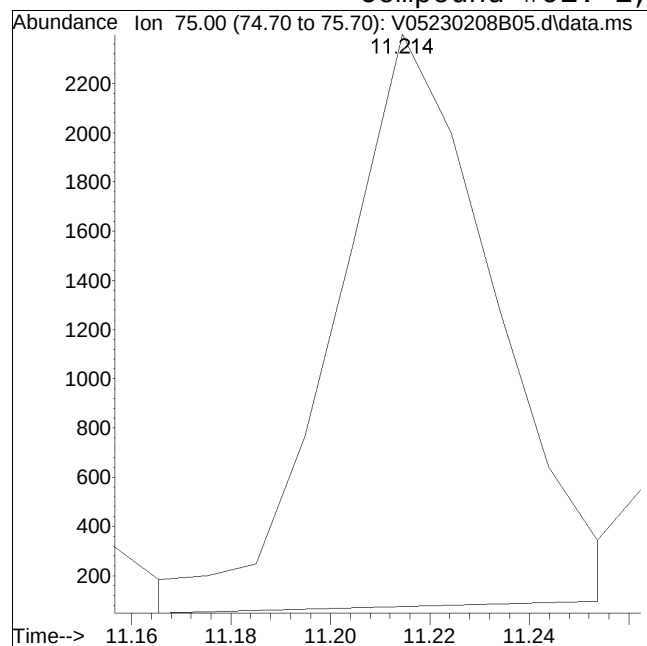
Manual Peak Response = 25689 M6



# Manual Integration Report

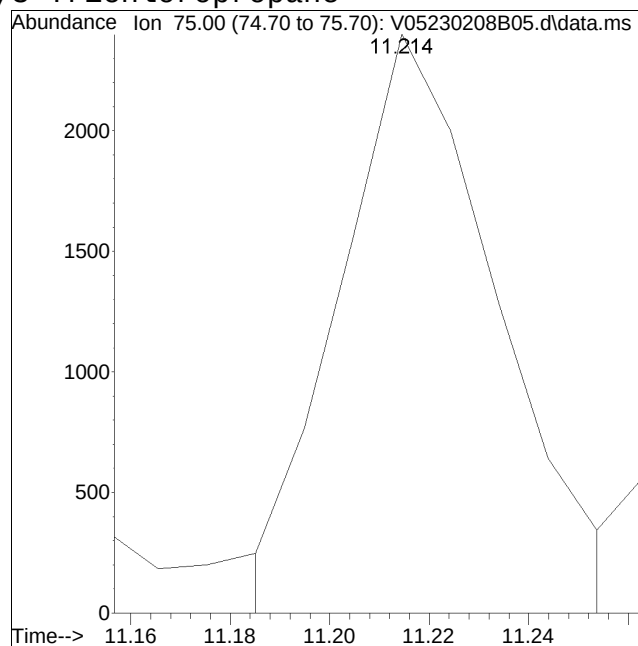
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B05.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 2:21 pm Instrument : VOA 105  
Sample : I8260STD0.5PPB Quant Date : 2/9/2023 6:55 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 5165

M4 = Poor automated baseline construction.

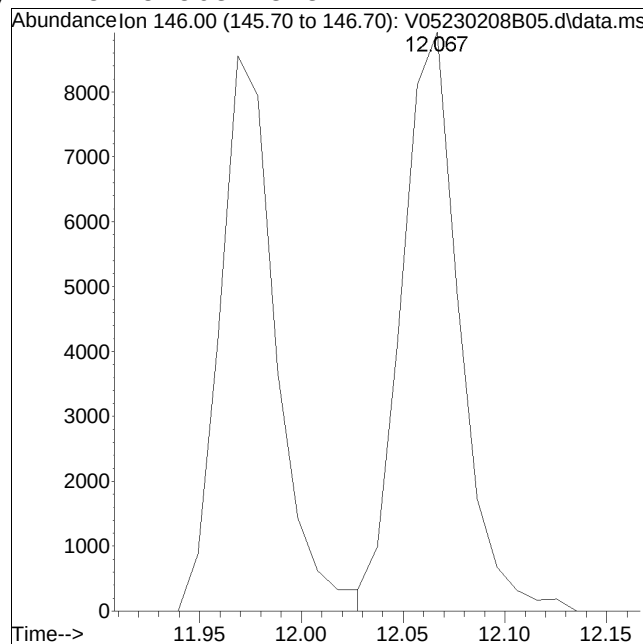
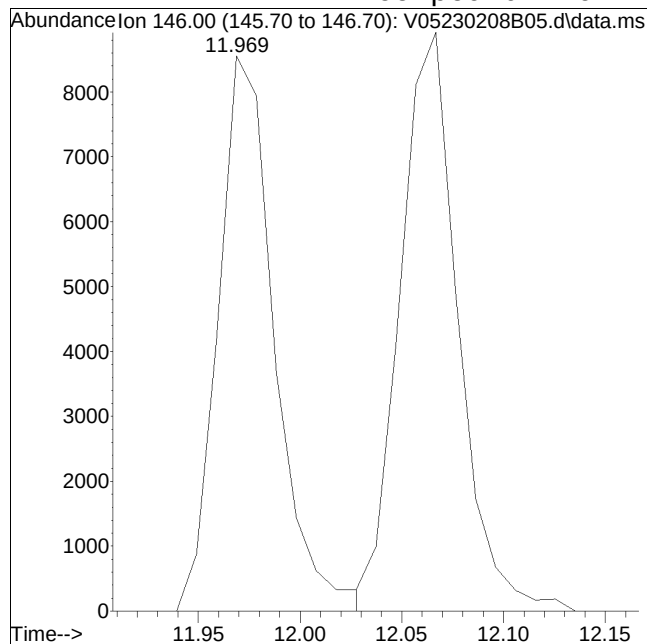


Manual Peak Response = 5283 M4

# Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B05.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 2:21 pm Instrument : VOA 105  
Sample : I8260STD0.5PPB Quant Date : 2/9/2023 6:55 am

## Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 16438

Manual Peak Response = 17690 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B07.d  
 Acq On : 8 Feb 2023 3:07 pm  
 Operator : VOA105:PID  
 Sample : I8260STD2PPB  
 Misc : WG1742505, ICAL (Sig #1); WG, ICAL (Sig #2)  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 09 06:55:26 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 631552   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =      | 99.54%  |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 491837   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =      | 99.02%  |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 276997   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =      | 100.15% |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 173827   | 10.366 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 103.66% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 186810   | 10.249 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 102.49% |          |
| 60) Toluene-d8               | 7.464          | 98   | 627838   | 10.029 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 100.29% |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 248704   | 9.717  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 97.17%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.557          | 85   | 27394    | 2.017  | ug/L    | # 95     |
| 3) Chloromethane             | 1.743          | 50   | 42946    | 2.127  | ug/L    | 97       |
| 4) Vinyl chloride            | 1.801          | 62   | 33601    | 2.158  | ug/L    | 95       |
| 5) Bromomethane              | 2.095          | 94   | 16229    | 1.983  | ug/L    | 95       |
| 6) Chloroethane              | 2.202          | 64   | 20405    | 2.186  | ug/L    | 98       |
| 7) Trichlorofluoromethane    | 2.329          | 101  | 38607    | 1.990  | ug/L    | 97       |
| 8) Ethyl ether               | 2.613          | 74   | 11063    | 2.241  | ug/L    | # 39     |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 27580    | 2.113  | ug/L    | 94       |
| 11) Carbon disulfide         | 2.828          | 76   | 88158    | 2.129  | ug/L    | 98       |
| 12) Freon-113                | 2.828          | 101  | 27987    | 2.005  | ug/L    | # 66     |
| 13) Iodomethane              | 2.936          | 142  | 43031    | 2.068  | ug/L    | 89       |
| 14) Acrolein                 | 3.151          | 56   | 2670     | 1.672  | ug/L    | 92       |
| 15) Methylene chloride       | 3.347          | 84   | 33563    | 2.211  | ug/L    | # 71     |
| 17) Acetone                  | 3.405          | 43   | 7376     | 2.603  | ug/L    | # 86     |
| 18) trans-1,2-Dichloroethene | 3.493          | 96   | 32191    | 2.142  | ug/L    | 95       |
| 19) Methyl acetate           | 3.513          | 43   | 12965    | 1.973  | ug/L    | # 85     |
| 20) Methyl tert-butyl ether  | 3.581          | 73   | 60192    | 2.141  | ug/L    | # 82     |
| 21) tert-Butyl alcohol       | 3.689          | 59   | 8641     | 11.042 | ug/L    | 91       |
| 22) Diisopropyl ether        | 3.924          | 45   | 119261   | 2.146  | ug/L    | # 89     |
| 23) 1,1-Dichloroethane       | 4.061          | 63   | 63453    | 2.190  | ug/L    | 98       |
| 24) Halothane                | 4.109          | 117  | 25262    | 2.093  | ug/L    | 98       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B07.d  
 Acq On : 8 Feb 2023 3:07 pm  
 Operator : VOA105:PID  
 Sample : I8260STD2PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 09 06:55:26 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile             | 4.139  | 53   | 6765M6   | 2.021   | ug/L   |          |
| 26) Ethyl tert-butyl ether    | 4.266  | 59   | 94151    | 2.105   | ug/L # | 70       |
| 27) Vinyl acetate             | 4.305  | 43   | 61130M1  | 2.014   | ug/L   |          |
| 28) cis-1,2-Dichloroethene    | 4.569  | 96   | 38034    | 2.268   | ug/L   | 99       |
| 29) 2,2-Dichloropropane       | 4.657  | 77   | 53173    | 2.235   | ug/L   | 90       |
| 30) Bromochloromethane        | 4.755  | 128  | 17489    | 2.291   | ug/L # | 81       |
| 31) Cyclohexane               | 4.735  | 56   | 61088    | 1.993   | ug/L   | 71       |
| 32) Chloroform                | 4.823  | 83   | 57717    | 2.192   | ug/L # | 94       |
| 33) Ethyl acetate             | 4.951  | 43   | 18638    | 1.852   | ug/L   | 98       |
| 34) Carbon tetrachloride      | 4.941  | 117  | 43560    | 1.964   | ug/L   | 97       |
| 35) Tetrahydrofuran           | 4.980  | 42   | 8103     | 2.458   | ug/L # | 70       |
| 37) 1,1,1-Trichloroethane     | 5.009  | 97   | 48655    | 2.045   | ug/L   | 90       |
| 39) 2-Butanone                | 5.136  | 43   | 8949     | 1.864   | ug/L # | 61       |
| 40) 1,1-Dichloropropene       | 5.136  | 75   | 40099    | 2.032   | ug/L   | 91       |
| 41) Benzene                   | 5.381  | 78   | 126023   | 2.156   | ug/L   | 93       |
| 42) tert-Amyl methyl ether    | 5.479  | 73   | 73018    | 2.122   | ug/L   | 97       |
| 44) 1,2-Dichloroethane        | 5.586  | 62   | 41309    | 2.156   | ug/L   | 98       |
| 47) Methyl cyclohexane        | 5.939  | 83   | 52071    | 1.919   | ug/L # | 63       |
| 48) Trichloroethene           | 5.968  | 95   | 33042    | 2.101   | ug/L   | 91       |
| 50) Dibromomethane            | 6.418  | 93   | 18253    | 2.199   | ug/L   | 99       |
| 51) 1,2-Dichloropropane       | 6.506  | 63   | 35277    | 2.140   | ug/L # | 88       |
| 53) 2-Chloroethyl vinyl ether | 7.210  | 63   | 17499    | 2.062   | ug/L   | 93       |
| 54) Bromodichloromethane      | 6.584  | 83   | 45791    | 2.205   | ug/L   | 96       |
| 57) 1,4-Dioxane               | 6.789  | 88   | 34658    | 416.066 | ug/L # | 71       |
| 58) cis-1,3-Dichloropropene   | 7.269  | 75   | 50004    | 2.062   | ug/L # | 82       |
| 61) Toluene                   | 7.523  | 92   | 81876    | 2.167   | ug/L   | 98       |
| 62) 4-Methyl-2-pentanone      | 7.963  | 58   | 7900     | 2.122   | ug/L   | 80       |
| 63) Tetrachloroethene         | 7.963  | 166  | 36748    | 2.088   | ug/L   | 91       |
| 65) trans-1,3-Dichloropropene | 8.022  | 75   | 43095    | 2.104   | ug/L # | 73       |
| 67) Ethyl methacrylate        | 8.198  | 69   | 30424    | 2.162   | ug/L   | 93       |
| 68) 1,1,2-Trichloroethane     | 8.198  | 83   | 19929    | 2.126   | ug/L   | 98       |
| 69) Chlorodibromomethane      | 8.403  | 129  | 32503    | 2.103   | ug/L   | 100      |
| 70) 1,3-Dichloropropane       | 8.521  | 76   | 42223    | 2.145   | ug/L   | 95       |
| 71) 1,2-Dibromoethane         | 8.677  | 107  | 22016    | 1.979   | ug/L   | 97       |
| 72) 2-Hexanone                | 8.981  | 43   | 14032    | 2.019   | ug/L   | 92       |
| 73) Chlorobenzene             | 9.314  | 112  | 94677    | 2.169   | ug/L   | 94       |
| 74) Ethylbenzene              | 9.353  | 91   | 158066   | 2.145   | ug/L   | 94       |
| 75) 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 35043    | 2.180   | ug/L   | 91       |
| 76) p/m Xylene                | 9.539  | 106  | 127531   | 4.474   | ug/L   | 85       |
| 77) o Xylene                  | 10.088 | 106  | 123919   | 4.458   | ug/L   | 86       |

## Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B07.d  
 Acq On : 8 Feb 2023 3:07 pm  
 Operator : VOA105:PID  
 Sample : I8260STD2PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 09 06:55:26 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|------|---------------------------|--------|------|----------|-------|--------|----------|
| 78)  | Styrene                   | 10.156 | 104  | 201733   | 4.489 | ug/L   | 90       |
| 80)  | Bromoform                 | 10.186 | 173  | 19700    | 2.078 | ug/L   | 98       |
| 82)  | Isopropylbenzene          | 10.480 | 105  | 164871   | 2.094 | ug/L   | 95       |
| 84)  | Bromobenzene              | 10.930 | 156  | 39798    | 2.094 | ug/L   | 99       |
| 85)  | n-Propylbenzene           | 10.969 | 91   | 192006   | 2.097 | ug/L   | 94       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 48211    | 2.157 | ug/L # | 90       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 28587    | 2.128 | ug/L   | 97       |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 163560   | 2.117 | ug/L   | 97       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 114895M6 | 2.109 | ug/L   |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.204 | 105  | 143408   | 2.167 | ug/L   | 92       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 22394M1  | 2.178 | ug/L   |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 10108    | 2.145 | ug/L # | 85       |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 124644M4 | 2.199 | ug/L   |          |
| 94)  | tert-Butylbenzene         | 11.547 | 119  | 122938   | 2.089 | ug/L   | 98       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 138836   | 2.125 | ug/L   | 94       |
| 98)  | sec-Butylbenzene          | 11.733 | 105  | 167848   | 2.070 | ug/L   | 97       |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 156731   | 2.136 | ug/L   | 95       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 79646    | 2.196 | ug/L   | 96       |
| 101) | 1,4-Dichlorobenzene       | 12.067 | 146  | 80045    | 2.199 | ug/L   | 99       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 93598    | 2.113 | ug/L   | 96       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 123773   | 2.111 | ug/L   | 97       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 70025    | 2.157 | ug/L   | 97       |
| 105) | 1,2,4,5-Tetramethylben... | 13.075 | 119  | 135198   | 2.155 | ug/L   | 96       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.281 | 155  | 4433     | 2.084 | ug/L   | 96       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 51079    | 2.155 | ug/L   | 98       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 19249    | 2.033 | ug/L   | 99       |
| 109) | 1,2,4-Trichlorobenzene    | 13.908 | 180  | 41751    | 2.170 | ug/L   | 98       |
| 110) | Naphthalene               | 14.202 | 128  | 82294    | 2.159 | ug/L   | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.369 | 180  | 33215    | 2.179 | ug/L   | 98       |

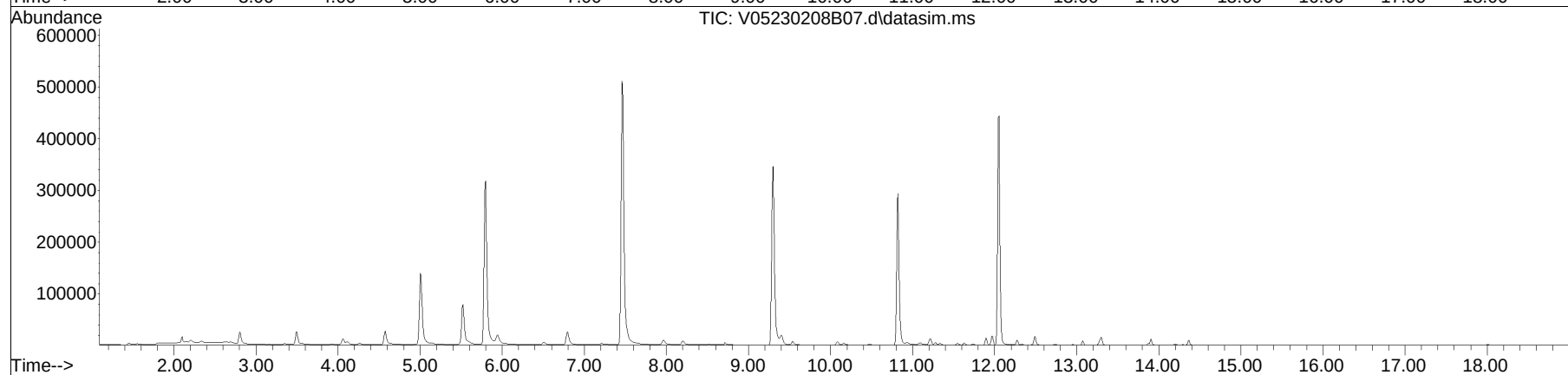
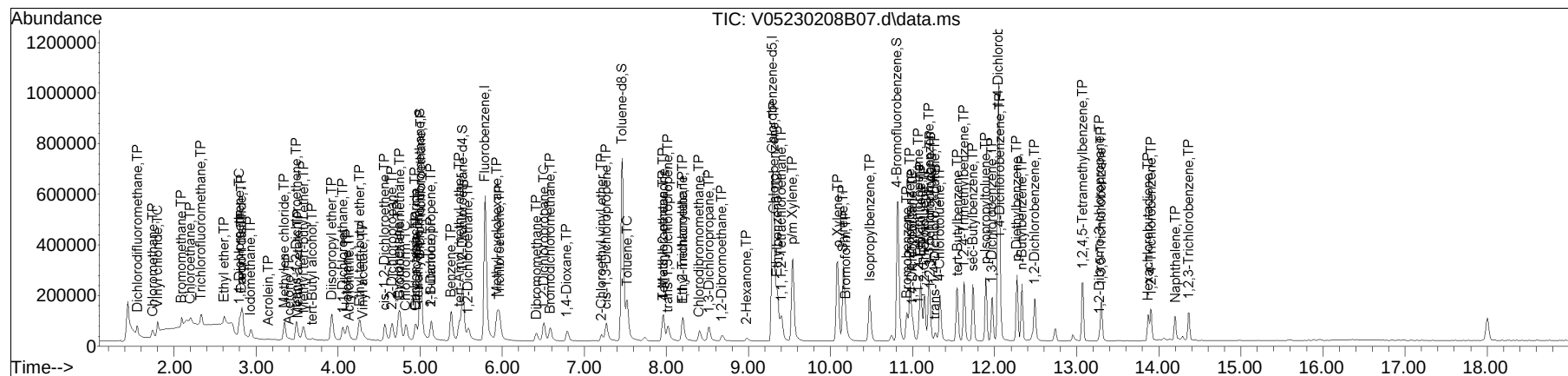
(#) = qualifier out of range (m) = manual integration (+) = signals summed

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B07.d  
 Acq On : 8 Feb 2023 3:07 pm  
 Operator : VOA105:PID  
 Sample : I8260STD2PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 09 06:55:26 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•



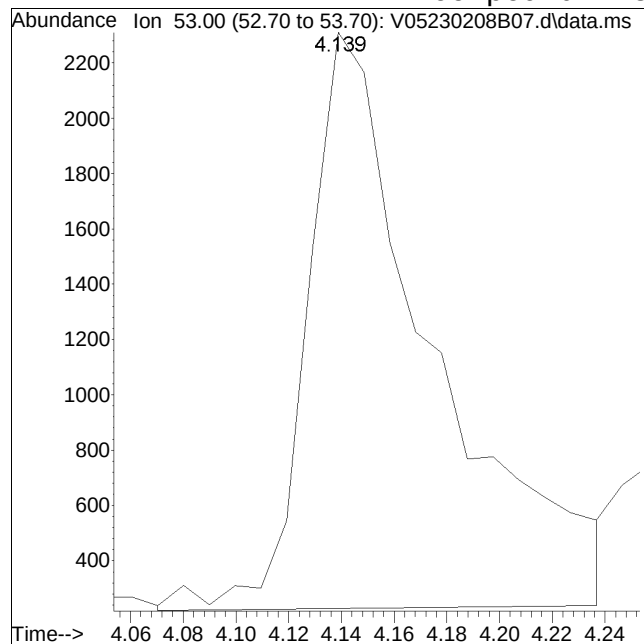
V105\_230208B\_8260.m Thu Feb 09 09:19:17 2023

Page: 4

# Manual Integration Report

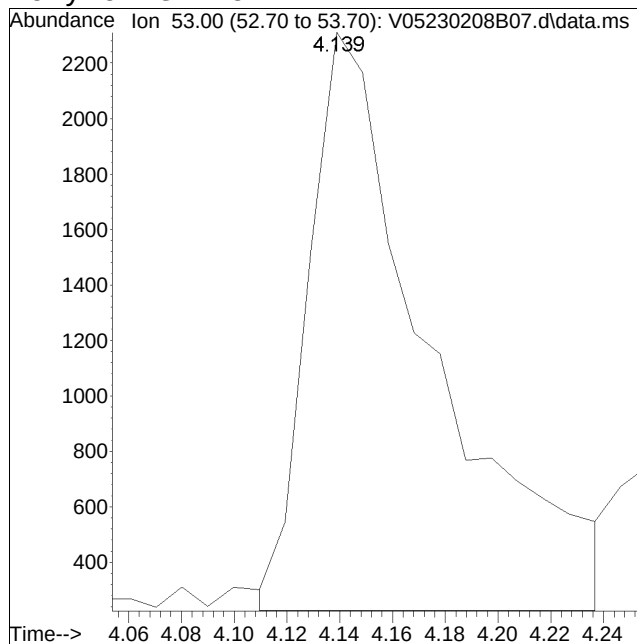
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B07.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:07 pm Instrument : VOA 105  
Sample : I8260STD2PPB Quant Date : 2/9/2023 6:55 am

## Compound #25: Acrylonitrile



Original Peak Response = 6886

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

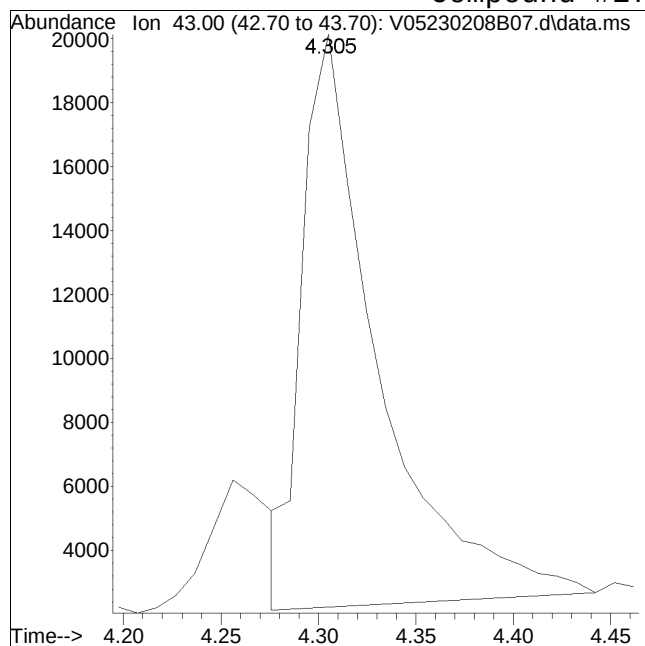


Manual Peak Response = 6765 M6

# Manual Integration Report

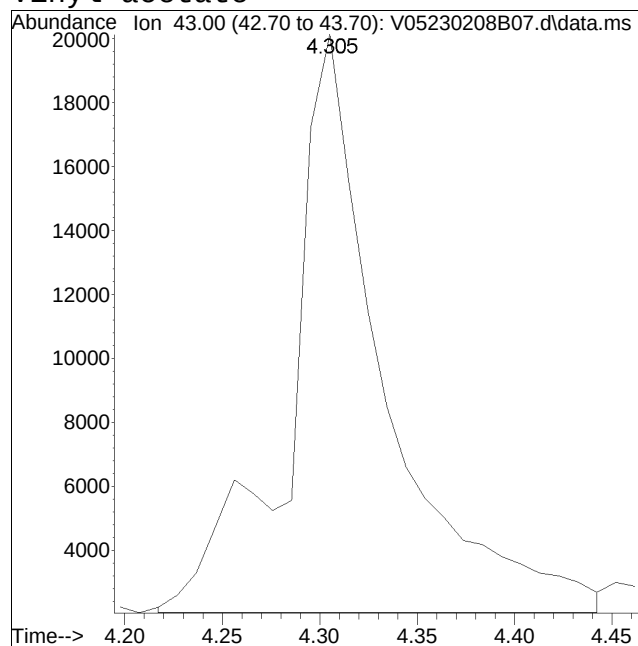
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B07.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:07 pm Instrument : VOA 105  
Sample : I8260STD2PPB Quant Date : 2/9/2023 6:55 am

## Compound #27: Vinyl acetate



Original Peak Response = 48511

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



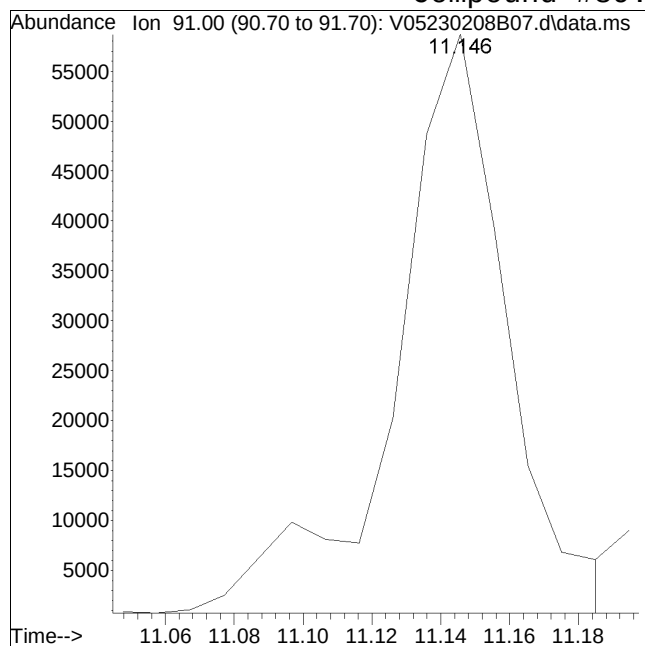
Manual Peak Response = 61130 M1



# Manual Integration Report

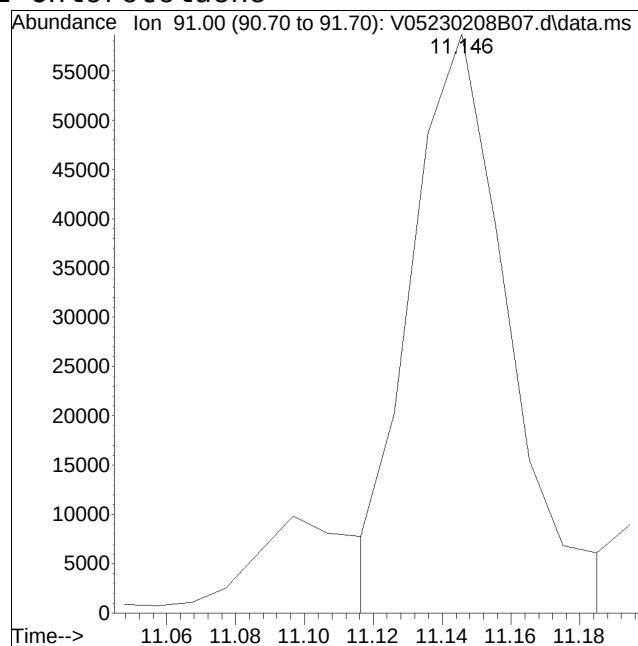
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B07.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:07 pm Instrument : VOA 105  
Sample : I8260STD2PPB Quant Date : 2/9/2023 6:55 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 130037

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

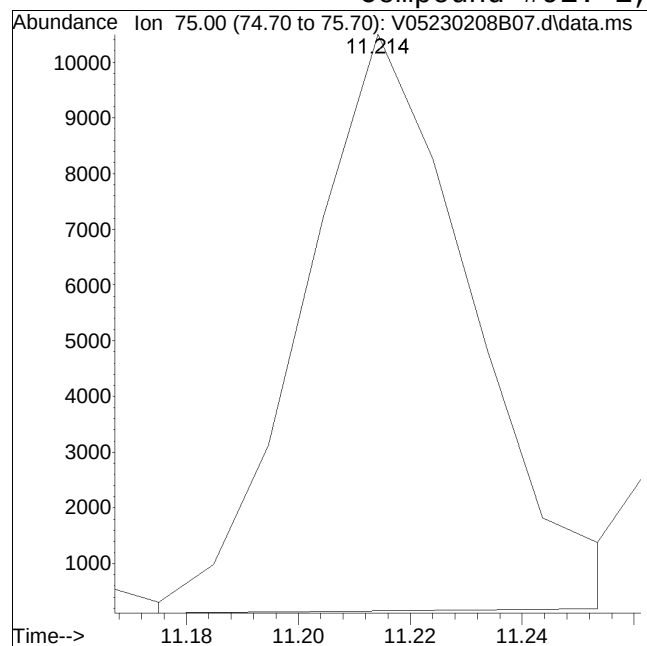


Manual Peak Response = 114895 M6

## Manual Integration Report

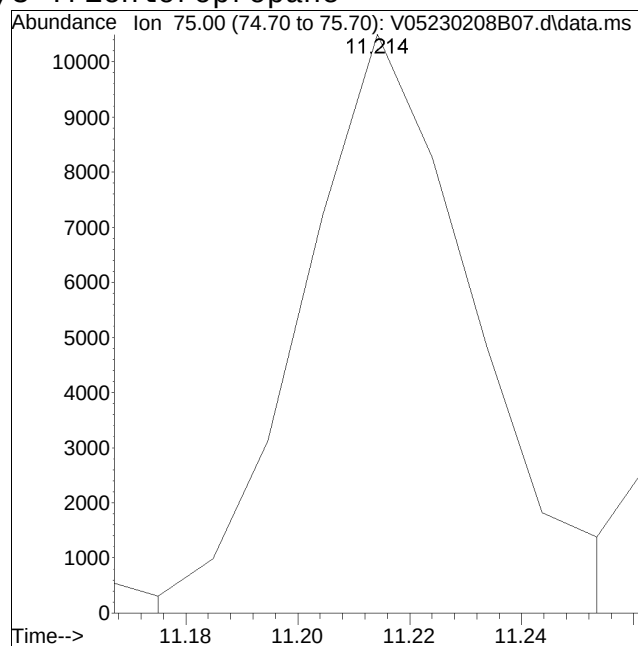
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B07.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:07 pm Instrument : VOA 105  
Sample : I8260STD2PPB Quant Date : 2/9/2023 6:55 am

### Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 21677

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

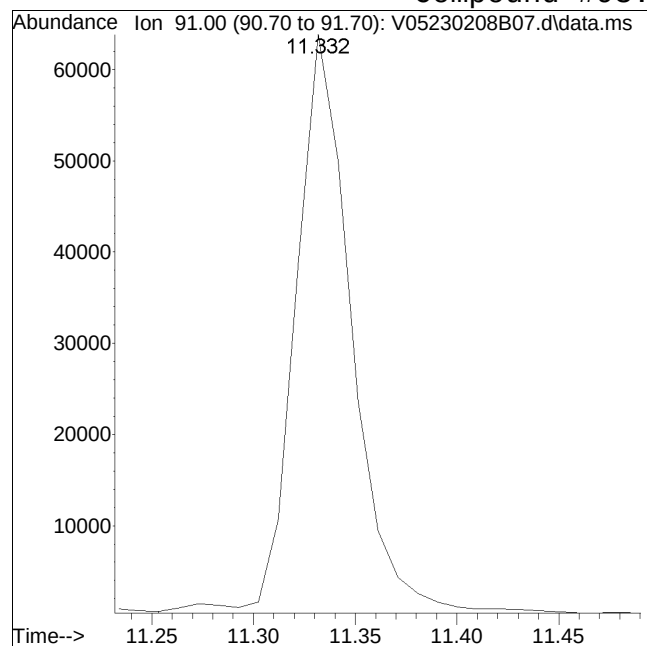


Manual Peak Response = 22394 M1

# Manual Integration Report

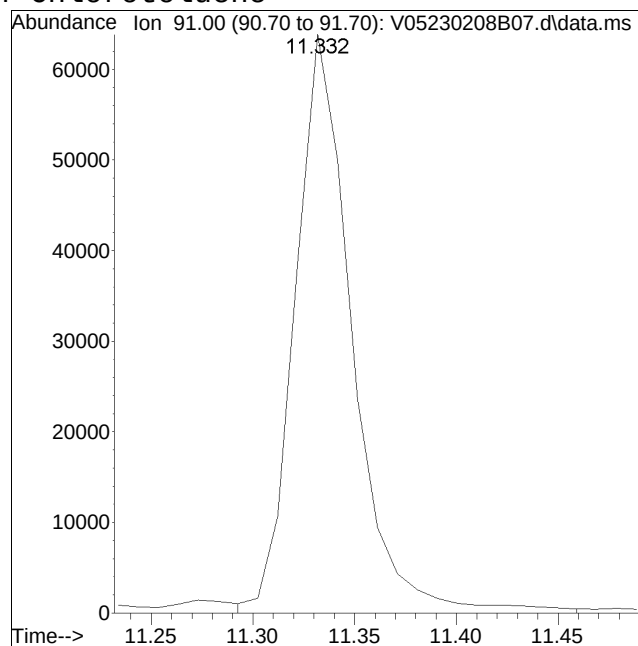
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B07.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:07 pm Instrument : VOA 105  
Sample : I8260STD2PPB Quant Date : 2/9/2023 6:55 am

## Compound #93: 4-Chlorotoluene



Original Peak Response = 122115

M4 = Poor automated baseline construction.



Manual Peak Response = 124644 M4

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B08.d  
 Acq On : 8 Feb 2023 3:30 pm  
 Operator : VOA105:PID  
 Sample : I8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 06:55:37 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 634465   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =      | 100.00% |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 496701   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =      | 100.00% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 276954   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =      | 100.13% |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 170908   | 10.145 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 101.45% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 193028   | 10.541 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 105.41% |          |
| 60) Toluene-d8               | 7.464          | 98   | 634807   | 10.041 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 100.41% |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 250770   | 9.799  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 97.99%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.557          | 85   | 132356   | 9.700  | ug/L    | # 96     |
| 3) Chloromethane             | 1.743          | 50   | 193774   | 9.555  | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 156048   | 9.975  | ug/L    | 94       |
| 5) Bromomethane              | 2.095          | 94   | 74913    | 9.110  | ug/L    | 95       |
| 6) Chloroethane              | 2.202          | 64   | 92933    | 9.908  | ug/L    | 99       |
| 7) Trichlorofluoromethane    | 2.329          | 101  | 186513   | 9.569  | ug/L    | 99       |
| 8) Ethyl ether               | 2.613          | 74   | 47754    | 9.631  | ug/L    | # 41     |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 125355   | 9.560  | ug/L    | 94       |
| 11) Carbon disulfide         | 2.828          | 76   | 405574   | 9.751  | ug/L    | 100      |
| 12) Freon-113                | 2.828          | 101  | 140506   | 10.020 | ug/L    | # 77     |
| 13) Iodomethane              | 2.936          | 142  | 204459   | 9.780  | ug/L    | 90       |
| 14) Acrolein                 | 3.131          | 56   | 15187    | 9.467  | ug/L    | 97       |
| 15) Methylene chloride       | 3.347          | 84   | 144028   | 9.444  | ug/L    | # 70     |
| 17) Acetone                  | 3.395          | 43   | 22919    | 8.052  | ug/L    | 91       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 146792   | 9.724  | ug/L    | 94       |
| 19) Methyl acetate           | 3.503          | 43   | 62746    | 9.503  | ug/L    | # 79     |
| 20) Methyl tert-butyl ether  | 3.581          | 73   | 269618   | 9.545  | ug/L    | # 87     |
| 21) tert-Butyl alcohol       | 3.679          | 59   | 36963    | 47.018 | ug/L    | 95       |
| 22) Diisopropyl ether        | 3.924          | 45   | 533887   | 9.564  | ug/L    | # 89     |
| 23) 1,1-Dichloroethane       | 4.061          | 63   | 283499   | 9.740  | ug/L    | 97       |
| 24) Halothane                | 4.109          | 117  | 117609   | 9.697  | ug/L    | 98       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B08.d  
 Acq On : 8 Feb 2023 3:30 pm  
 Operator : VOA105:PID  
 Sample : I8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 06:55:37 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|     | Compound                  | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----|---------------------------|--------|------|----------|---------|--------|----------|
| 25) | Acrylonitrile             | 4.129  | 53   | 30374    | 9.035   | ug/L   | 92       |
| 26) | Ethyl tert-butyl ether    | 4.256  | 59   | 425124   | 9.459   | ug/L   | 84       |
| 27) | Vinyl acetate             | 4.286  | 43   | 285117   | 9.352   | ug/L # | 93       |
| 28) | cis-1,2-Dichloroethene    | 4.569  | 96   | 163124   | 9.683   | ug/L   | 97       |
| 29) | 2,2-Dichloropropane       | 4.657  | 77   | 236616   | 9.898   | ug/L   | 90       |
| 30) | Bromochloromethane        | 4.755  | 128  | 75353    | 9.824   | ug/L # | 82       |
| 31) | Cyclohexane               | 4.735  | 56   | 301128   | 9.778   | ug/L   | 72       |
| 32) | Chloroform                | 4.823  | 83   | 256486   | 9.695   | ug/L   | 94       |
| 33) | Ethyl acetate             | 4.941  | 43   | 90921    | 8.995   | ug/L # | 92       |
| 34) | Carbon tetrachloride      | 4.941  | 117  | 211966   | 9.512   | ug/L   | 98       |
| 35) | Tetrahydrofuran           | 4.980  | 42   | 28480M6  | 8.599   | ug/L   |          |
| 37) | 1,1,1-Trichloroethane     | 5.009  | 97   | 233522   | 9.772   | ug/L   | 97       |
| 39) | 2-Butanone                | 5.127  | 43   | 47420    | 9.834   | ug/L # | 56       |
| 40) | 1,1-Dichloropropene       | 5.136  | 75   | 193744   | 9.772   | ug/L   | 94       |
| 41) | Benzene                   | 5.371  | 78   | 564980   | 9.622   | ug/L # | 93       |
| 42) | tert-Amyl methyl ether    | 5.479  | 73   | 323114   | 9.346   | ug/L   | 95       |
| 44) | 1,2-Dichloroethane        | 5.586  | 62   | 180629   | 9.386   | ug/L   | 99       |
| 47) | Methyl cyclohexane        | 5.939  | 83   | 273248   | 10.025  | ug/L # | 74       |
| 48) | Trichloroethene           | 5.968  | 95   | 156688   | 9.917   | ug/L   | 92       |
| 50) | Dibromomethane            | 6.408  | 93   | 76596    | 9.187   | ug/L   | 93       |
| 51) | 1,2-Dichloropropane       | 6.506  | 63   | 157684   | 9.524   | ug/L # | 88       |
| 53) | 2-Chloroethyl vinyl ether | 7.200  | 63   | 78215    | 9.176   | ug/L   | 91       |
| 54) | Bromodichloromethane      | 6.584  | 83   | 197570   | 9.472   | ug/L   | 98       |
| 57) | 1,4-Dioxane               | 6.789  | 88   | 42885    | 512.466 | ug/L # | 79       |
| 58) | cis-1,3-Dichloropropene   | 7.269  | 75   | 230109   | 9.446   | ug/L # | 84       |
| 61) | Toluene                   | 7.513  | 92   | 366923   | 9.617   | ug/L   | 98       |
| 62) | 4-Methyl-2-pentanone      | 7.963  | 58   | 35983    | 9.572   | ug/L # | 86       |
| 63) | Tetrachloroethene         | 7.963  | 166  | 174377   | 9.813   | ug/L   | 93       |
| 65) | trans-1,3-Dichloropropene | 8.012  | 75   | 195503   | 9.453   | ug/L # | 81       |
| 67) | Ethyl methacrylate        | 8.198  | 69   | 135411   | 9.530   | ug/L   | 91       |
| 68) | 1,1,2-Trichloroethane     | 8.198  | 83   | 89949    | 9.501   | ug/L   | 97       |
| 69) | Chlorodibromomethane      | 8.403  | 129  | 144674   | 9.268   | ug/L   | 99       |
| 70) | 1,3-Dichloropropane       | 8.511  | 76   | 188789   | 9.497   | ug/L   | 99       |
| 71) | 1,2-Dibromoethane         | 8.677  | 107  | 103053   | 9.171   | ug/L   | 99       |
| 72) | 2-Hexanone                | 8.971  | 43   | 69378    | 9.884   | ug/L   | 93       |
| 73) | Chlorobenzene             | 9.314  | 112  | 419204   | 9.512   | ug/L   | 92       |
| 74) | Ethylbenzene              | 9.353  | 91   | 733082   | 9.851   | ug/L   | 94       |
| 75) | 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 155425   | 9.575   | ug/L   | 96       |
| 76) | p/m Xylene                | 9.539  | 106  | 571449   | 19.851  | ug/L   | 87       |
| 77) | o Xylene                  | 10.078 | 106  | 555180   | 19.776  | ug/L   | 86       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B08.d  
 Acq On : 8 Feb 2023 3:30 pm  
 Operator : VOA105:PID  
 Sample : I8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 06:55:37 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|------|---------------------------|--------|------|----------|--------|--------|----------|
| 78)  | Styrene                   | 10.156 | 104  | 908346   | 20.015 | ug/L   | 90       |
| 80)  | Bromoform                 | 10.186 | 173  | 87631    | 9.243  | ug/L   | 97       |
| 82)  | Isopropylbenzene          | 10.470 | 105  | 760102   | 9.655  | ug/L   | 95       |
| 84)  | Bromobenzene              | 10.930 | 156  | 177188   | 9.323  | ug/L   | 100      |
| 85)  | n-Propylbenzene           | 10.969 | 91   | 892558   | 9.752  | ug/L   | 95       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 204205   | 9.138  | ug/L # | 89       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 122388   | 9.110  | ug/L   | 100      |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 752094   | 9.735  | ug/L   | 96       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 527180M6 | 9.680  | ug/L   |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.195 | 105  | 645333   | 9.753  | ug/L   | 94       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 94307M1  | 9.174  | ug/L   |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 43001    | 9.125  | ug/L # | 79       |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 543453M6 | 9.589  | ug/L   |          |
| 94)  | tert-Butylbenzene         | 11.538 | 119  | 567811   | 9.651  | ug/L   | 97       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 629247   | 9.631  | ug/L   | 93       |
| 98)  | sec-Butylbenzene          | 11.733 | 105  | 794696   | 9.802  | ug/L   | 97       |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 727902   | 9.921  | ug/L   | 95       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 345678   | 9.534  | ug/L   | 98       |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 344965   | 9.478  | ug/L   | 98       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 422829   | 9.549  | ug/L   | 97       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 568746   | 9.701  | ug/L   | 98       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 308674   | 9.509  | ug/L   | 97       |
| 105) | 1,2,4,5-Tetramethylben... | 13.066 | 119  | 607512   | 9.683  | ug/L   | 94       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.281 | 155  | 19567    | 9.201  | ug/L   | 97       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 227788   | 9.611  | ug/L   | 98       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 92529    | 9.774  | ug/L   | 98       |
| 109) | 1,2,4-Trichlorobenzene    | 13.898 | 180  | 184749   | 9.604  | ug/L   | 99       |
| 110) | Naphthalene               | 14.192 | 128  | 354979   | 9.316  | ug/L   | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.359 | 180  | 143915   | 9.441  | ug/L   | 99       |

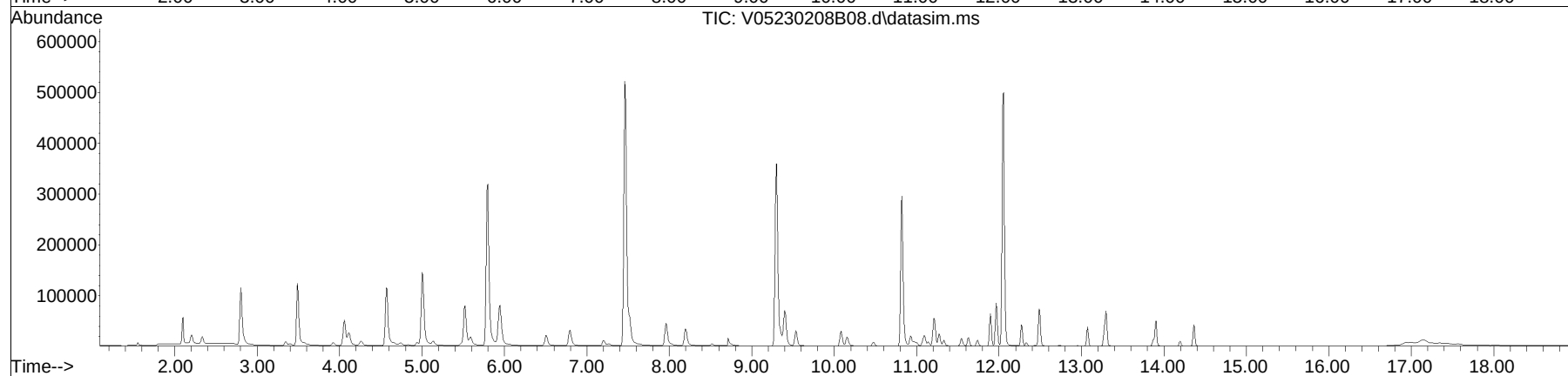
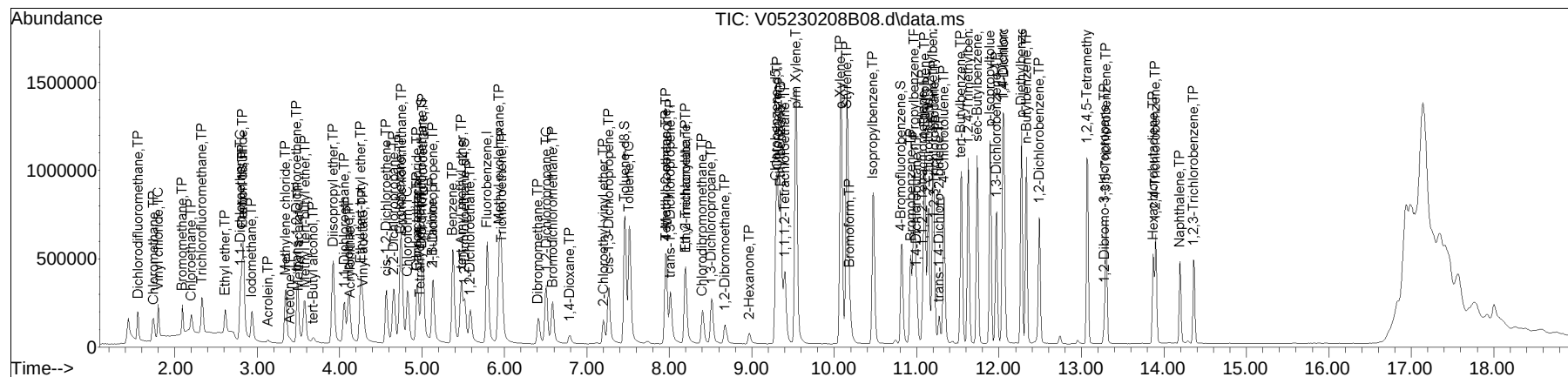
(#) = qualifier out of range (m) = manual integration (+) = signals summed

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B08.d  
 Acq On : 8 Feb 2023 3:30 pm  
 Operator : VOA105:PID  
 Sample : I8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 09 06:55:37 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•



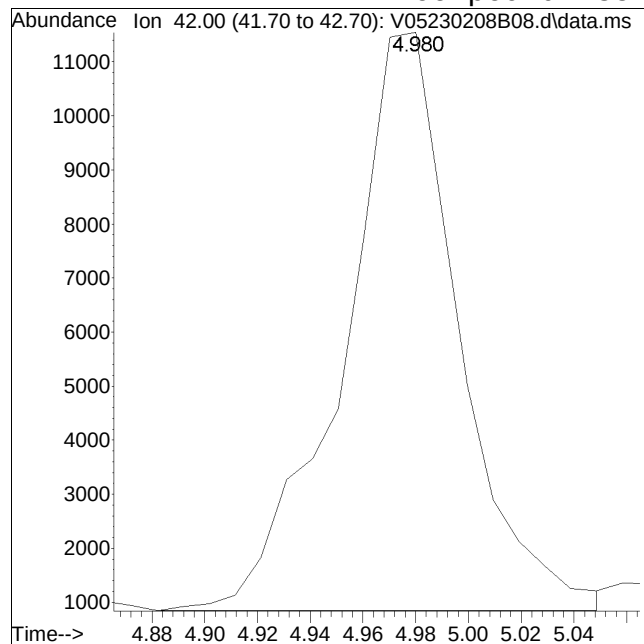
V105\_230208B\_8260.m Thu Feb 09 09:19:22 2023

Page: 4

# Manual Integration Report

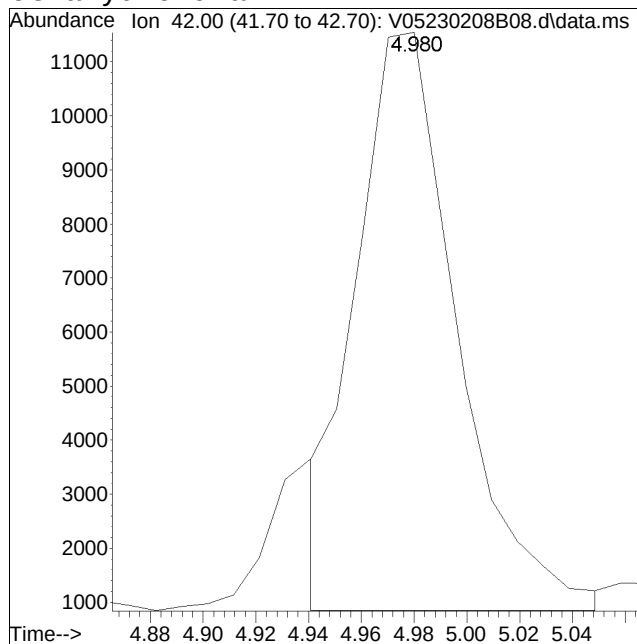
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B08.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:30 pm Instrument : VOA 105  
Sample : I8260STD10PPB Quant Date : 2/9/2023 6:55 am

## Compound #35: Tetrahydrofuran



Original Peak Response = 32412

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



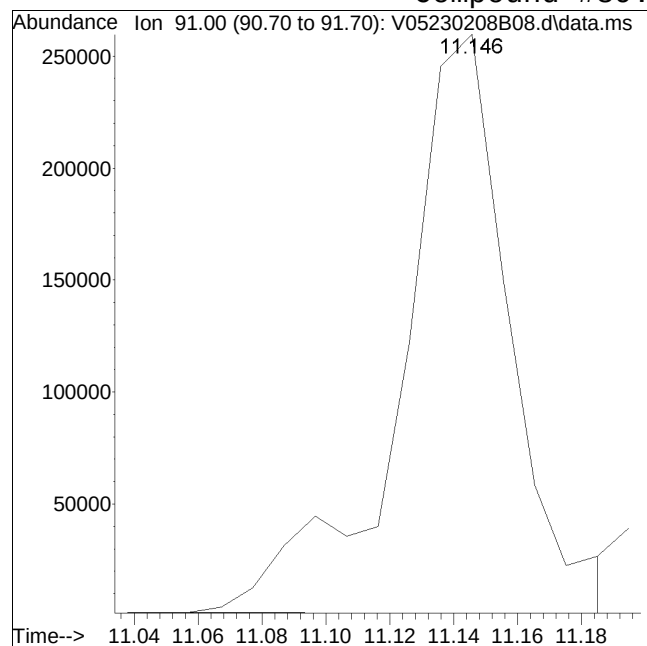
Manual Peak Response = 28480 M6



# Manual Integration Report

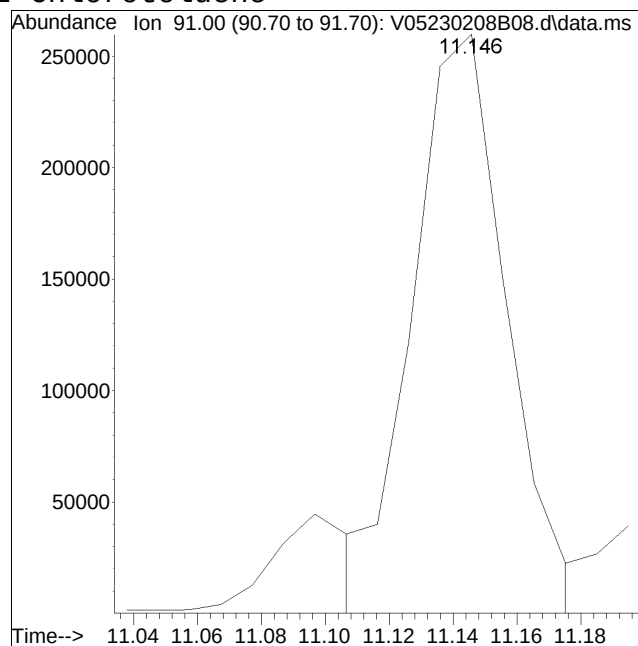
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B08.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:30 pm Instrument : VOA 105  
Sample : I8260STD10PPB Quant Date : 2/9/2023 6:55 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 608231

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

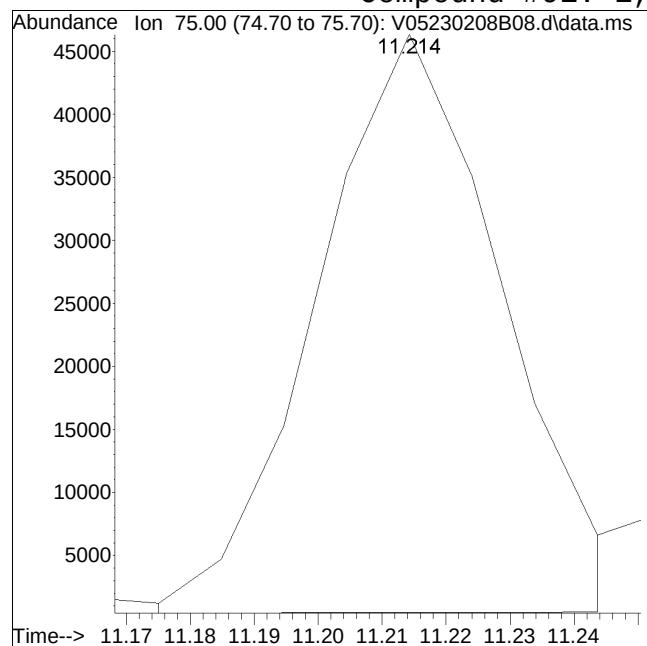


Manual Peak Response = 527180 M6

# Manual Integration Report

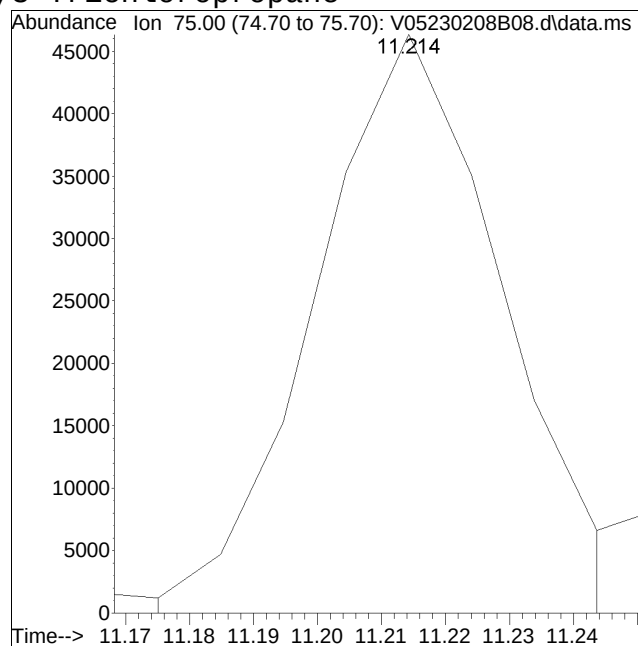
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B08.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:30 pm Instrument : VOA 105  
Sample : I8260STD10PPB Quant Date : 2/9/2023 6:55 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 92357

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

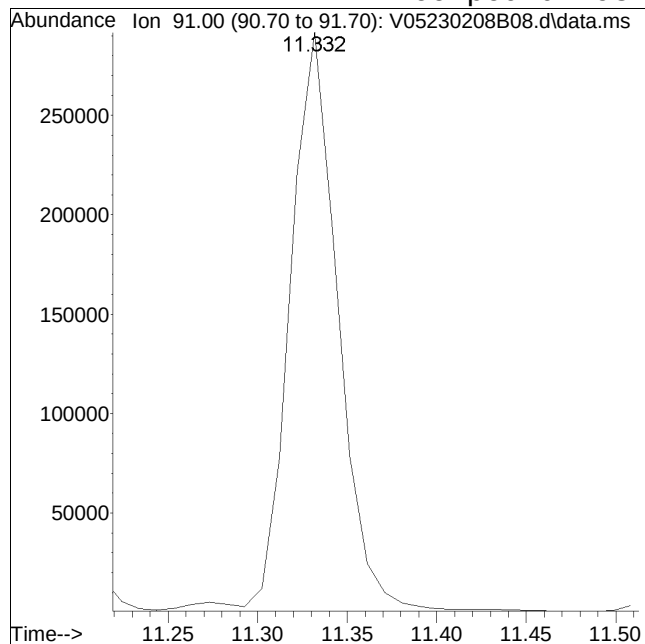


Manual Peak Response = 94307 M1

# Manual Integration Report

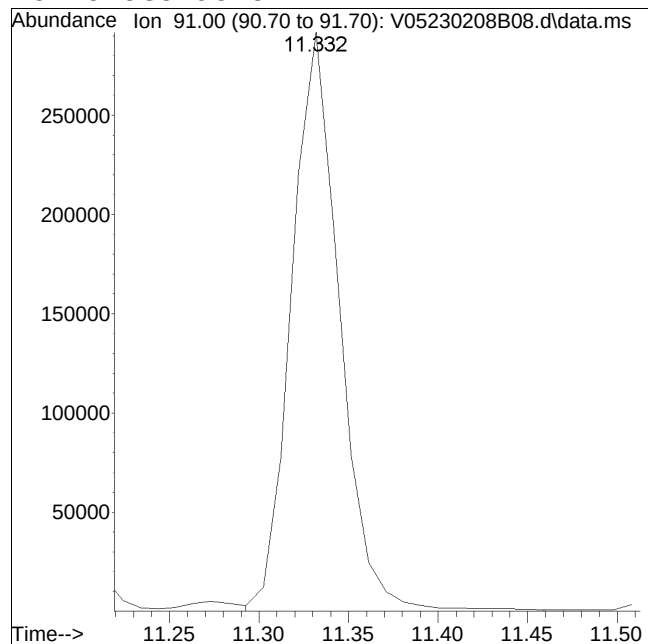
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B08.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:30 pm Instrument : VOA 105  
Sample : I8260STD10PPB Quant Date : 2/9/2023 6:55 am

## Compound #93: 4-Chlorotoluene



Original Peak Response = 547265

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 543453 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B09.d  
 Acq On : 8 Feb 2023 3:54 pm  
 Operator : VOA105:PID  
 Sample : I8260STD30PPB  
 Misc : WG1742505, ICAL (Sig #1); WG, ICAL (Sig #2)  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 06:55:45 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc    | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|---------|---------|----------|
| -----                        |                |      |          |         |         |          |
| Internal Standards           |                |      |          |         |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 633598   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =       | 99.86%  |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 492428   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =       | 99.14%  |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 272346   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =       | 98.47%  |          |
| System Monitoring Compounds  |                |      |          |         |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 168709   | 10.029  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 100.29% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 176437   | 9.649   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 96.49%  |          |
| 60) Toluene-d8               | 7.464          | 98   | 632117   | 10.086  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 100.86% |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 248550   | 9.877   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 98.77%  |          |
| Target Compounds             |                |      |          |         |         |          |
|                              |                |      |          |         |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.557          | 85   | 396262   | 29.080  | ug/L    | # 97     |
| 3) Chloromethane             | 1.742          | 50   | 586286   | 28.950  | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 468279   | 29.976  | ug/L    | 96       |
| 5) Bromomethane              | 2.095          | 94   | 232183   | 28.273  | ug/L    | 99       |
| 6) Chloroethane              | 2.202          | 64   | 281712   | 30.077  | ug/L    | 95       |
| 7) Trichlorofluoromethane    | 2.339          | 101  | 562533   | 28.901  | ug/L    | 99       |
| 8) Ethyl ether               | 2.613          | 74   | 142564   | 28.791  | ug/L    | # 49     |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 386876   | 29.545  | ug/L    | 96       |
| 11) Carbon disulfide         | 2.828          | 76   | 1203107  | 28.965  | ug/L    | 99       |
| 12) Freon-113                | 2.838          | 101  | 418169   | 29.861  | ug/L    | # 78     |
| 13) Iodomethane              | 2.936          | 142  | 644373   | 30.864  | ug/L    | 90       |
| 14) Acrolein                 | 3.122          | 56   | 46360    | 28.939  | ug/L    | 98       |
| 15) Methylene chloride       | 3.347          | 84   | 434171   | 28.509  | ug/L    | # 70     |
| 17) Acetone                  | 3.395          | 43   | 73313    | 25.792  | ug/L    | 94       |
| 18) trans-1,2-Dichloroethene | 3.483          | 96   | 435698   | 28.902  | ug/L    | 93       |
| 19) Methyl acetate           | 3.503          | 43   | 193680   | 29.374  | ug/L    | # 80     |
| 20) Methyl tert-butyl ether  | 3.571          | 73   | 822082   | 29.142  | ug/L    | # 88     |
| 21) tert-Butyl alcohol       | 3.679          | 59   | 109806   | 139.868 | ug/L    | 90       |
| 22) Diisopropyl ether        | 3.924          | 45   | 1632474  | 29.283  | ug/L    | # 89     |
| 23) 1,1-Dichloroethane       | 4.061          | 63   | 852932   | 29.344  | ug/L    | 97       |
| 24) Halothane                | 4.109          | 117  | 354881   | 29.302  | ug/L    | 99       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B09.d  
 Acq On : 8 Feb 2023 3:54 pm  
 Operator : VOA105:PID  
 Sample : I8260STD30PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 06:55:45 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|     | Compound                  | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----|---------------------------|--------|------|----------|---------|-------|----------|
| 25) | Acrylonitrile             | 4.119  | 53   | 97148    | 28.936  | ug/L  | # 89     |
| 26) | Ethyl tert-butyl ether    | 4.256  | 59   | 1300507  | 28.976  | ug/L  | 83       |
| 27) | Vinyl acetate             | 4.285  | 43   | 898274   | 29.503  | ug/L  | # 93     |
| 28) | cis-1,2-Dichloroethene    | 4.569  | 96   | 491593   | 29.222  | ug/L  | 96       |
| 29) | 2,2-Dichloropropane       | 4.657  | 77   | 703428   | 29.466  | ug/L  | 91       |
| 30) | Bromochloromethane        | 4.755  | 128  | 224830   | 29.351  | ug/L  | # 81     |
| 31) | Cyclohexane               | 4.745  | 56   | 911158   | 29.627  | ug/L  | 72       |
| 32) | Chloroform                | 4.823  | 83   | 778274   | 29.459  | ug/L  | # 95     |
| 33) | Ethyl acetate             | 4.931  | 43   | 292541   | 28.983  | ug/L  | # 92     |
| 34) | Carbon tetrachloride      | 4.941  | 117  | 641205   | 28.812  | ug/L  | 99       |
| 35) | Tetrahydrofuran           | 4.970  | 42   | 82734M6  | 25.013  | ug/L  |          |
| 37) | 1,1,1-Trichloroethane     | 5.009  | 97   | 698918   | 29.286  | ug/L  | 97       |
| 39) | 2-Butanone                | 5.117  | 43   | 142504   | 29.594  | ug/L  | # 55     |
| 40) | 1,1-Dichloropropene       | 5.136  | 75   | 578977   | 29.241  | ug/L  | 95       |
| 41) | Benzene                   | 5.371  | 78   | 1727881  | 29.467  | ug/L  | # 93     |
| 42) | tert-Amyl methyl ether    | 5.479  | 73   | 988763   | 28.638  | ug/L  | 94       |
| 44) | 1,2-Dichloroethane        | 5.586  | 62   | 551664   | 28.705  | ug/L  | 97       |
| 47) | Methyl cyclohexane        | 5.938  | 83   | 820771   | 30.154  | ug/L  | # 73     |
| 48) | Trichloroethene           | 5.968  | 95   | 476029   | 30.169  | ug/L  | 93       |
| 50) | Dibromomethane            | 6.408  | 93   | 231768   | 27.836  | ug/L  | 92       |
| 51) | 1,2-Dichloropropane       | 6.506  | 63   | 484782   | 29.319  | ug/L  | # 88     |
| 53) | 2-Chloroethyl vinyl ether | 7.200  | 63   | 245715   | 28.865  | ug/L  | 92       |
| 54) | Bromodichloromethane      | 6.584  | 83   | 606944   | 29.137  | ug/L  | 99       |
| 57) | 1,4-Dioxane               | 6.789  | 88   | 48578    | 581.291 | ug/L  | # 80     |
| 58) | cis-1,3-Dichloropropene   | 7.259  | 75   | 714088   | 29.352  | ug/L  | # 85     |
| 61) | Toluene                   | 7.513  | 92   | 1115180  | 29.482  | ug/L  | 100      |
| 62) | 4-Methyl-2-pentanone      | 7.953  | 58   | 106392   | 28.548  | ug/L  | # 84     |
| 63) | Tetrachloroethene         | 7.953  | 166  | 527243   | 29.928  | ug/L  | 92       |
| 65) | trans-1,3-Dichloropropene | 8.012  | 75   | 607686   | 29.639  | ug/L  | # 81     |
| 67) | Ethyl methacrylate        | 8.188  | 69   | 407218   | 28.908  | ug/L  | 91       |
| 68) | 1,1,2-Trichloroethane     | 8.198  | 83   | 273104   | 29.097  | ug/L  | 98       |
| 69) | Chlorodibromomethane      | 8.403  | 129  | 445073   | 28.761  | ug/L  | 99       |
| 70) | 1,3-Dichloropropane       | 8.511  | 76   | 574327   | 29.141  | ug/L  | 100      |
| 71) | 1,2-Dibromoethane         | 8.677  | 107  | 326686   | 29.325  | ug/L  | 100      |
| 72) | 2-Hexanone                | 8.961  | 43   | 196904   | 28.295  | ug/L  | 96       |
| 73) | Chlorobenzene             | 9.314  | 112  | 1281477  | 29.329  | ug/L  | 91       |
| 74) | Ethylbenzene              | 9.343  | 91   | 2192621  | 29.719  | ug/L  | 94       |
| 75) | 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 472605   | 29.368  | ug/L  | 97       |
| 76) | p/m Xylene                | 9.539  | 106  | 1711072  | 59.956  | ug/L  | 87       |
| 77) | o Xylene                  | 10.078 | 106  | 1656329  | 59.512  | ug/L  | 87       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B09.d  
 Acq On : 8 Feb 2023 3:54 pm  
 Operator : VOA105:PID  
 Sample : I8260STD30PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 06:55:45 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response  | Conc   | Units  | Dev(Min) |
|------|---------------------------|--------|------|-----------|--------|--------|----------|
| 78)  | Styrene                   | 10.156 | 104  | 2767596   | 61.513 | ug/L   | 90       |
| 80)  | Bromoform                 | 10.186 | 173  | 268913    | 28.845 | ug/L   | 98       |
| 82)  | Isopropylbenzene          | 10.470 | 105  | 2274494   | 29.379 | ug/L   | 94       |
| 84)  | Bromobenzene              | 10.930 | 156  | 541725    | 28.986 | ug/L   | 100      |
| 85)  | n-Propylbenzene           | 10.969 | 91   | 2688143   | 29.867 | ug/L   | 95       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 615869    | 28.027 | ug/L # | 90       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 366807    | 27.765 | ug/L   | 99       |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 2243800   | 29.536 | ug/L   | 96       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 1572584M6 | 29.364 | ug/L   |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.195 | 105  | 1920561   | 29.516 | ug/L   | 93       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 283822M4  | 28.078 | ug/L   |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 131667    | 28.415 | ug/L # | 76       |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 1633378M6 | 29.308 | ug/L   |          |
| 94)  | tert-Butylbenzene         | 11.537 | 119  | 1699948   | 29.382 | ug/L   | 96       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 1890441   | 29.424 | ug/L   | 94       |
| 98)  | sec-Butylbenzene          | 11.733 | 105  | 2370069   | 29.729 | ug/L   | 96       |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 2142768   | 29.700 | ug/L   | 95       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 1041155   | 29.200 | ug/L   | 98       |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 1034068   | 28.891 | ug/L   | 97       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 1269111   | 29.145 | ug/L   | 97       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 1716282   | 29.769 | ug/L   | 98       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 919116    | 28.792 | ug/L   | 98       |
| 105) | 1,2,4,5-Tetramethylben... | 13.075 | 119  | 1827301   | 29.617 | ug/L   | 94       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.271 | 155  | 58390     | 27.922 | ug/L   | 97       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 686526    | 29.455 | ug/L   | 97       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 268862    | 28.882 | ug/L   | 99       |
| 109) | 1,2,4-Trichlorobenzene    | 13.898 | 180  | 550651    | 29.109 | ug/L   | 98       |
| 110) | Naphthalene               | 14.192 | 128  | 1046708   | 27.933 | ug/L   | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.359 | 180  | 423208    | 28.232 | ug/L   | 99       |

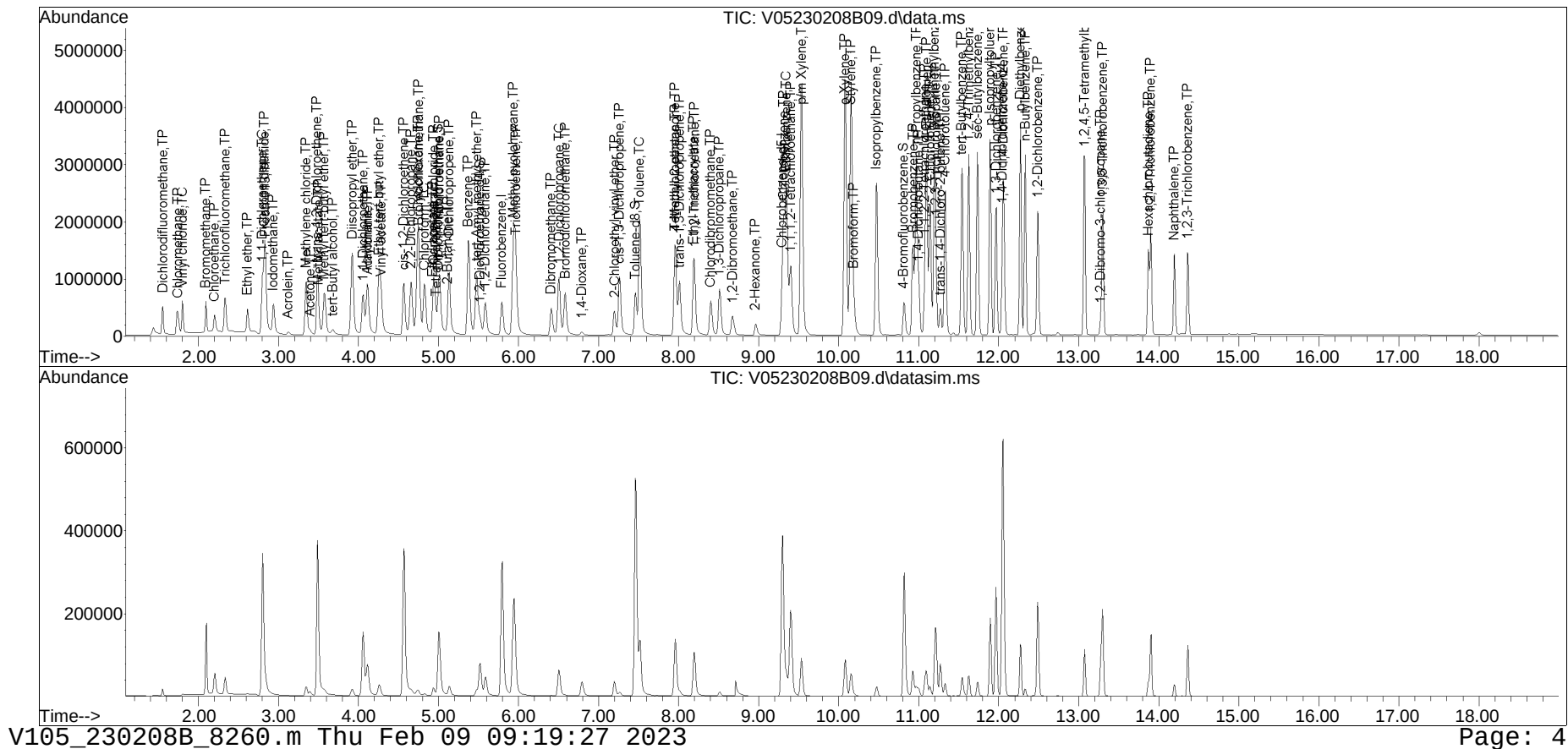
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
Data File : V05230208B09.d  
Acq On : 8 Feb 2023 3:54 pm  
Operator : VOA105:PID  
Sample : I8260STD30PPB  
Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 09 06:55:45 2023  
Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
Quant Title : VOLATILES BY GC/MS  
QLast Update : Thu Feb 09 06:54:59 2023  
Response via : Initial Calibration

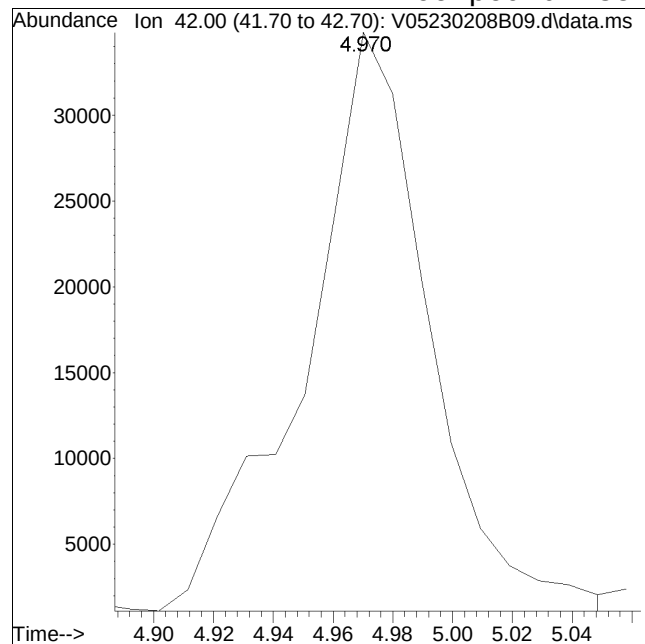
Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•



# Manual Integration Report

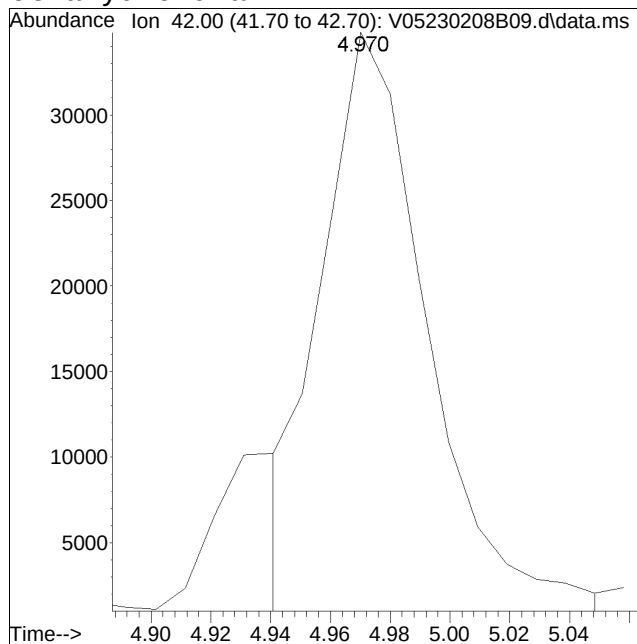
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B09.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:54 pm Instrument : VOA 105  
Sample : I8260STD30PPB Quant Date : 2/9/2023 6:56 am

## Compound #35: Tetrahydrofuran



Original Peak Response = 96719

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



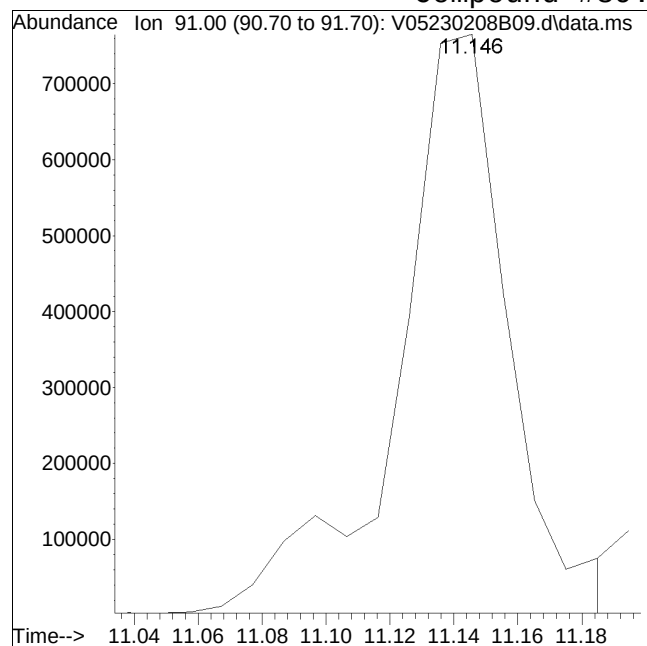
Manual Peak Response = 82734 M6



# Manual Integration Report

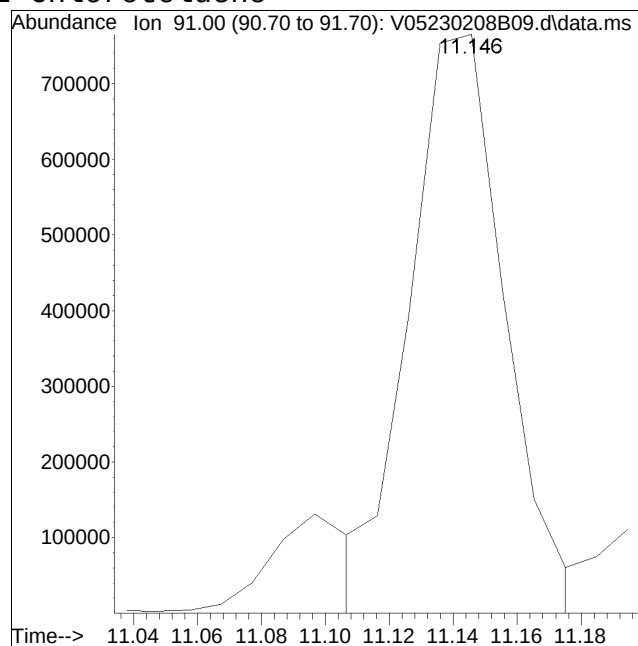
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B09.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:54 pm Instrument : VOA 105  
Sample : I8260STD30PPB Quant Date : 2/9/2023 6:56 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 1823405

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

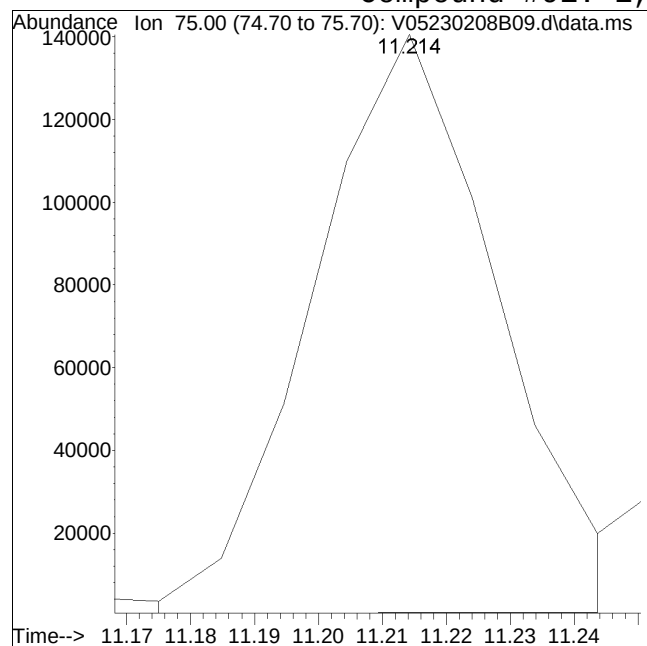


Manual Peak Response = 1572584 M6

# Manual Integration Report

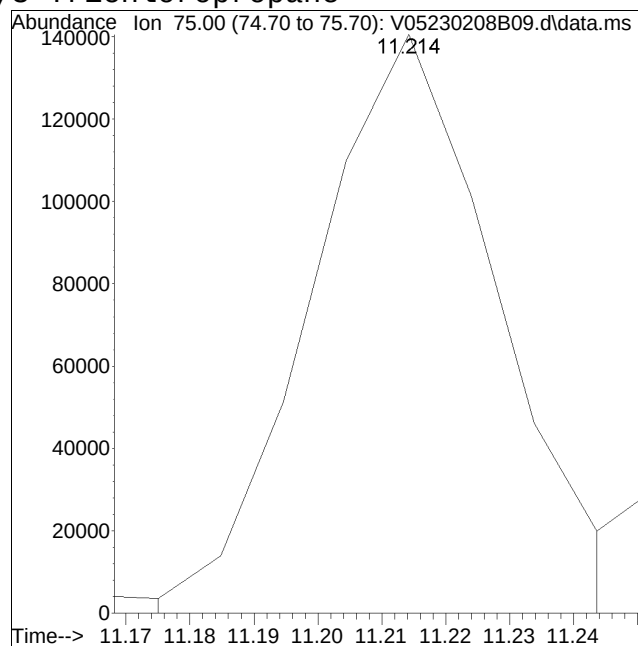
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B09.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:54 pm Instrument : VOA 105  
Sample : I8260STD30PPB Quant Date : 2/9/2023 6:56 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 280810

M4 = Poor automated baseline construction.

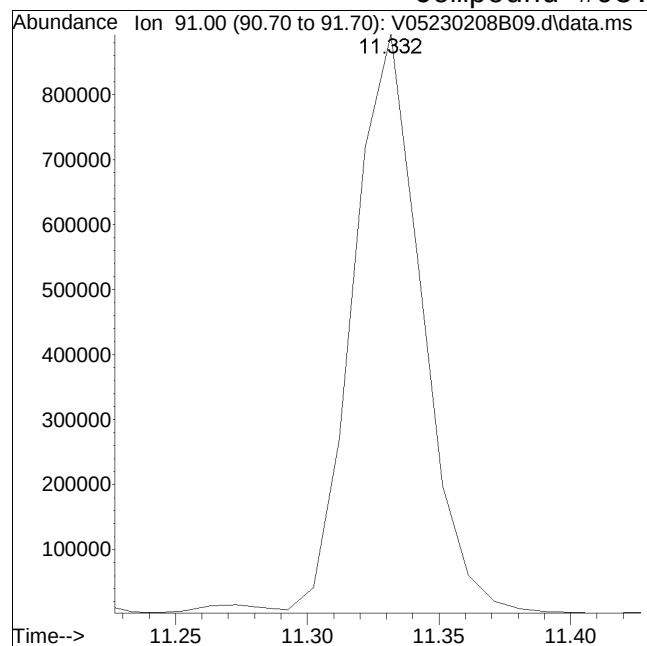


Manual Peak Response = 283822 M4

# Manual Integration Report

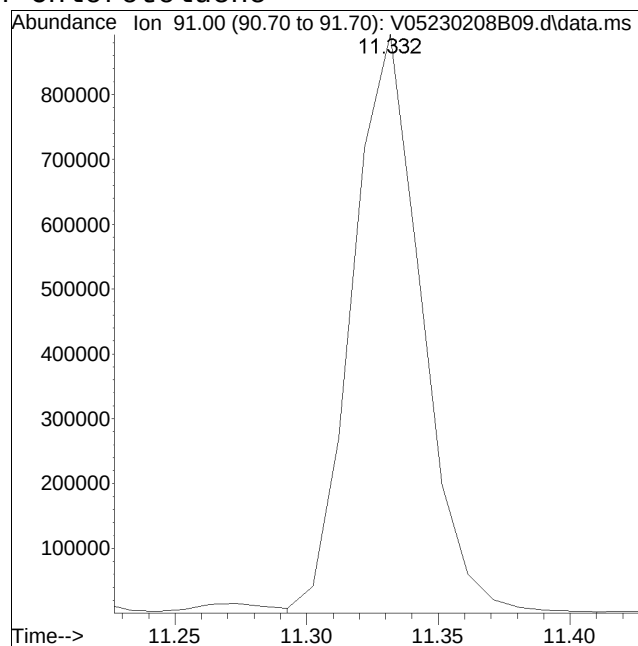
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B09.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 3:54 pm Instrument : VOA 105  
Sample : I8260STD30PPB Quant Date : 2/9/2023 6:56 am

## Compound #93: 4-Chlorotoluene



Original Peak Response = 1642303

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1633378 M6

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B10.d  
 Acq On : 8 Feb 2023 4:17 pm  
 Operator : VOA105:PID  
 Sample : I8260STD80PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 06:55:55 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc    | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|---------|---------|----------|
| -----                        |                |      |          |         |         |          |
| Internal Standards           |                |      |          |         |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 646275   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =       | 101.86% |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 508139   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =       | 102.30% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 272360   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =       | 98.47%  |          |
| System Monitoring Compounds  |                |      |          |         |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 167390   | 9.755   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 97.55%  |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 179480   | 9.623   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 96.23%  |          |
| 60) Toluene-d8               | 7.465          | 98   | 643479   | 9.949   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 99.49%  |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 251138   | 9.979   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 99.79%  |          |
| Target Compounds             |                |      |          |         |         |          |
|                              |                |      |          |         |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 1152659  | 82.929  | ug/L    | # 97     |
| 3) Chloromethane             | 1.733          | 50   | 1629061  | 78.863  | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 1317961  | 82.712  | ug/L    | 96       |
| 5) Bromomethane              | 2.095          | 94   | 692251   | 82.643  | ug/L    | 98       |
| 6) Chloroethane              | 2.202          | 64   | 762820   | 79.845  | ug/L    | 96       |
| 7) Trichlorofluoromethane    | 2.330          | 101  | 1608609  | 81.024  | ug/L    | 100      |
| 8) Ethyl ether               | 2.613          | 74   | 395473   | 78.299  | ug/L    | # 51     |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 1081279  | 80.955  | ug/L    | 97       |
| 11) Carbon disulfide         | 2.828          | 76   | 3304465  | 77.996  | ug/L    | 99       |
| 12) Freon-113                | 2.828          | 101  | 1180458  | 82.642  | ug/L    | 81       |
| 13) Iodomethane              | 2.936          | 142  | 1803436  | 84.686  | ug/L    | 90       |
| 14) Acrolein                 | 3.122          | 56   | 135677   | 83.031  | ug/L    | 99       |
| 15) Methylene chloride       | 3.347          | 84   | 1189286  | 76.560  | ug/L    | # 70     |
| 17) Acetone                  | 3.386          | 43   | 221753   | 76.485  | ug/L    | 99       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 1206171  | 78.442  | ug/L    | 94       |
| 19) Methyl acetate           | 3.494          | 43   | 542382   | 80.645  | ug/L    | # 80     |
| 20) Methyl tert-butyl ether  | 3.572          | 73   | 2302350  | 80.014  | ug/L    | # 87     |
| 21) tert-Butyl alcohol       | 3.679          | 59   | 312168   | 389.831 | ug/L    | 93       |
| 22) Diisopropyl ether        | 3.924          | 45   | 4562907  | 80.243  | ug/L    | # 89     |
| 23) 1,1-Dichloroethane       | 4.051          | 63   | 2324399  | 78.399  | ug/L    | 97       |
| 24) Halothane                | 4.110          | 117  | 981891   | 79.483  | ug/L    | 99       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B10.d  
 Acq On : 8 Feb 2023 4:17 pm  
 Operator : VOA105:PID  
 Sample : I8260STD80PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 06:55:55 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 25) Acrylonitrile             | 4.110  | 53   | 276672   | 80.790  | ug/L  | # 89     |
| 26) Ethyl tert-butyl ether    | 4.256  | 59   | 3660713  | 79.963  | ug/L  | 85       |
| 27) Vinyl acetate             | 4.286  | 43   | 2413497  | 77.714  | ug/L  | # 93     |
| 28) cis-1,2-Dichloroethene    | 4.569  | 96   | 1344797  | 78.371  | ug/L  | 96       |
| 29) 2,2-Dichloropropane       | 4.657  | 77   | 1918774  | 78.801  | ug/L  | 91       |
| 30) Bromochloromethane        | 4.755  | 128  | 611169   | 78.220  | ug/L  | # 80     |
| 31) Cyclohexane               | 4.736  | 56   | 2572284  | 81.998  | ug/L  | 73       |
| 32) Chloroform                | 4.824  | 83   | 2129572  | 79.027  | ug/L  | 95       |
| 33) Ethyl acetate             | 4.931  | 43   | 855540   | 83.098  | ug/L  | # 92     |
| 34) Carbon tetrachloride      | 4.941  | 117  | 1814882  | 79.952  | ug/L  | 99       |
| 35) Tetrahydrofuran           | 4.970  | 42   | 229226M6 | 67.943  | ug/L  |          |
| 37) 1,1,1-Trichloroethane     | 5.010  | 97   | 1948152  | 80.030  | ug/L  | 97       |
| 39) 2-Butanone                | 5.117  | 43   | 398922   | 81.219  | ug/L  | # 57     |
| 40) 1,1-Dichloropropene       | 5.137  | 75   | 1630400  | 80.728  | ug/L  | 94       |
| 41) Benzene                   | 5.371  | 78   | 4787974  | 80.052  | ug/L  | # 93     |
| 42) tert-Amyl methyl ether    | 5.479  | 73   | 2811066  | 79.820  | ug/L  | 95       |
| 44) 1,2-Dichloroethane        | 5.587  | 62   | 1525310  | 77.811  | ug/L  | 97       |
| 47) Methyl cyclohexane        | 5.939  | 83   | 2291297  | 82.528  | ug/L  | # 73     |
| 48) Trichloroethene           | 5.968  | 95   | 1327916  | 82.508  | ug/L  | 94       |
| 50) Dibromomethane            | 6.408  | 93   | 648140   | 76.317  | ug/L  | 91       |
| 51) 1,2-Dichloropropane       | 6.506  | 63   | 1339729  | 79.436  | ug/L  | # 88     |
| 53) 2-Chloroethyl vinyl ether | 7.200  | 63   | 697176   | 80.292  | ug/L  | 91       |
| 54) Bromodichloromethane      | 6.584  | 83   | 1678864  | 79.014  | ug/L  | 99       |
| 57) 1,4-Dioxane               | 6.790  | 88   | 66928    | 785.160 | ug/L  | # 79     |
| 58) cis-1,3-Dichloropropene   | 7.259  | 75   | 1990344  | 80.207  | ug/L  | # 84     |
| 61) Toluene                   | 7.513  | 92   | 3083221  | 78.992  | ug/L  | 100      |
| 62) 4-Methyl-2-pentanone      | 7.954  | 58   | 304951   | 79.297  | ug/L  | # 86     |
| 63) Tetrachloroethene         | 7.954  | 166  | 1476276  | 81.208  | ug/L  | 92       |
| 65) trans-1,3-Dichloropropene | 8.012  | 75   | 1695846  | 80.155  | ug/L  | # 81     |
| 67) Ethyl methacrylate        | 8.188  | 69   | 1137775  | 78.274  | ug/L  | 91       |
| 68) 1,1,2-Trichloroethane     | 8.198  | 83   | 762813   | 78.759  | ug/L  | 98       |
| 69) Chlorodibromomethane      | 8.403  | 129  | 1260218  | 78.918  | ug/L  | 98       |
| 70) 1,3-Dichloropropane       | 8.511  | 76   | 1609899  | 79.159  | ug/L  | 100      |
| 71) 1,2-Dibromoethane         | 8.668  | 107  | 939925   | 81.763  | ug/L  | 99       |
| 72) 2-Hexanone                | 8.961  | 43   | 569511   | 79.308  | ug/L  | 96       |
| 73) Chlorobenzene             | 9.314  | 112  | 3517467  | 78.014  | ug/L  | 92       |
| 74) Ethylbenzene              | 9.353  | 91   | 6079982  | 79.860  | ug/L  | 94       |
| 75) 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 1305545  | 78.619  | ug/L  | 97       |
| 76) p/m Xylene                | 9.539  | 106  | 4643792  | 157.689 | ug/L  | 86       |
| 77) o Xylene                  | 10.078 | 106  | 4532765  | 157.827 | ug/L  | 85       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B10.d  
 Acq On : 8 Feb 2023 4:17 pm  
 Operator : VOA105:PID  
 Sample : I8260STD80PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 09 06:55:55 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response  | Conc    | Units  | Dev(Min) |
|------|---------------------------|--------|------|-----------|---------|--------|----------|
| 78)  | Styrene                   | 10.156 | 104  | 7420007   | 159.819 | ug/L   | 91       |
| 80)  | Bromoform                 | 10.186 | 173  | 749868    | 80.430  | ug/L   | 97       |
| 82)  | Isopropylbenzene          | 10.470 | 105  | 6241551   | 80.615  | ug/L   | 94       |
| 84)  | Bromobenzene              | 10.930 | 156  | 1504917   | 80.520  | ug/L   | 99       |
| 85)  | n-Propylbenzene           | 10.970 | 91   | 7323432   | 81.364  | ug/L   | 94       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 1703729   | 77.531  | ug/L # | 90       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 1016536   | 76.942  | ug/L   | 99       |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 6126284   | 80.638  | ug/L   | 95       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 4284377M6 | 79.995  | ug/L   |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.195 | 105  | 5158216   | 79.271  | ug/L   | 93       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 782165M1  | 77.375  | ug/L   |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 365015    | 78.769  | ug/L # | 76       |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 4417477   | 79.258  | ug/L   | 92       |
| 94)  | tert-Butylbenzene         | 11.538 | 119  | 4663040   | 80.591  | ug/L   | 95       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 5118218   | 79.660  | ug/L   | 93       |
| 98)  | sec-Butylbenzene          | 11.734 | 105  | 6458931   | 81.013  | ug/L   | 96       |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 5834109   | 80.859  | ug/L   | 95       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 2842270   | 79.711  | ug/L   | 98       |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 2812018   | 78.561  | ug/L   | 98       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 3489146   | 80.123  | ug/L   | 98       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 4673753   | 81.062  | ug/L   | 97       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 2522369   | 79.011  | ug/L   | 97       |
| 105) | 1,2,4,5-Tetramethylben... | 13.066 | 119  | 4924601   | 79.815  | ug/L   | 94       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.272 | 155  | 165687    | 79.228  | ug/L   | 98       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 1865156   | 80.020  | ug/L   | 97       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 735292    | 78.982  | ug/L   | 100      |
| 109) | 1,2,4-Trichlorobenzene    | 13.899 | 180  | 1511406   | 79.893  | ug/L   | 99       |
| 110) | Naphthalene               | 14.192 | 128  | 2887449   | 77.053  | ug/L   | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.359 | 180  | 1177659   | 78.558  | ug/L   | 99       |

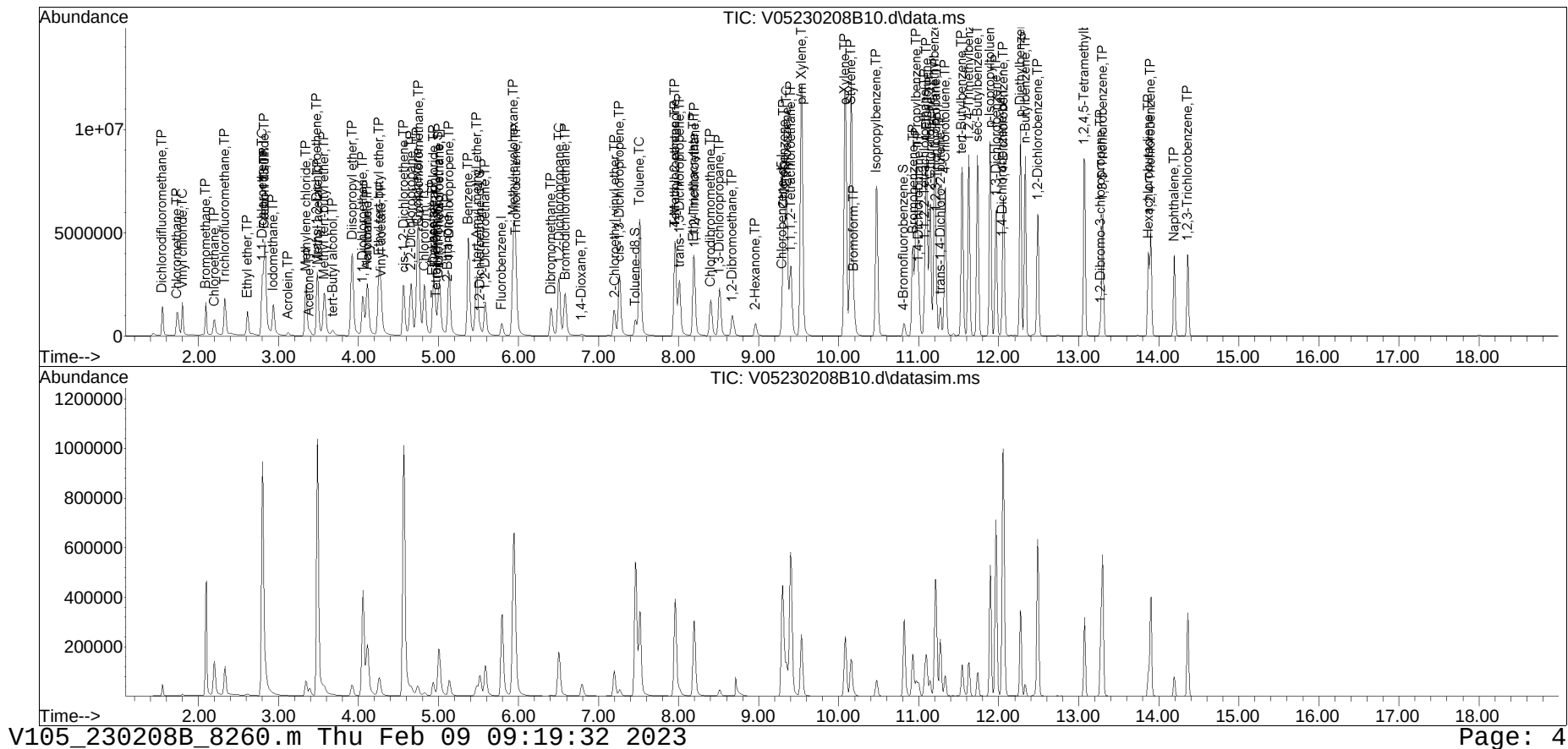
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
Data File : V05230208B10.d  
Acq On    : 8 Feb 2023 4:17 pm  
Operator  : VOA105:PID  
Sample    : I8260STD80PPB  
Misc      : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
ALS Vial  : 10 Sample Multiplier: 1
```

Quant Time: Feb 09 06:55:55 2023  
Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
Quant Title : VOLATILES BY GC/MS  
QLast Update : Thu Feb 09 06:54:59 2023  
Response via : Initial Calibration

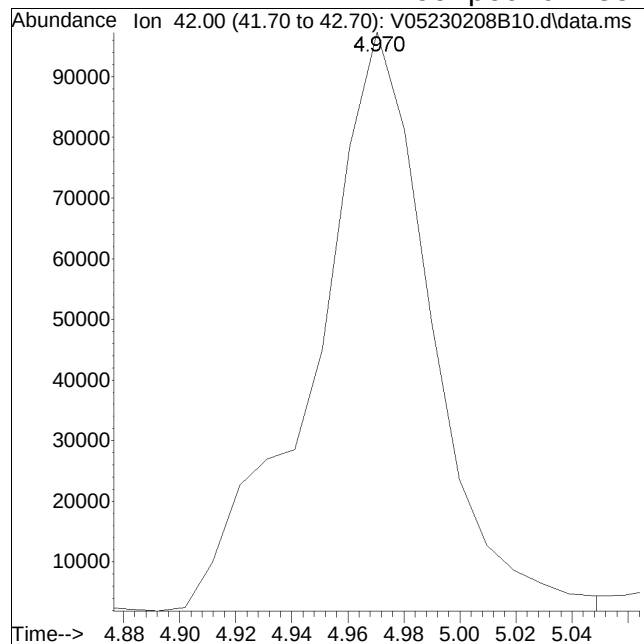
Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•



# Manual Integration Report

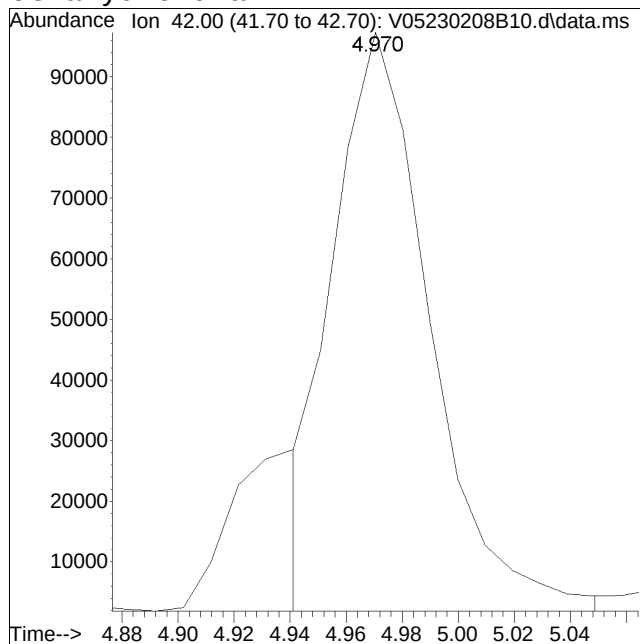
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B10.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 4:17 pm Instrument : VOA 105  
Sample : I8260STD80PPB Quant Date : 2/9/2023 6:56 am

## Compound #35: Tetrahydrofuran



Original Peak Response = 277011

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



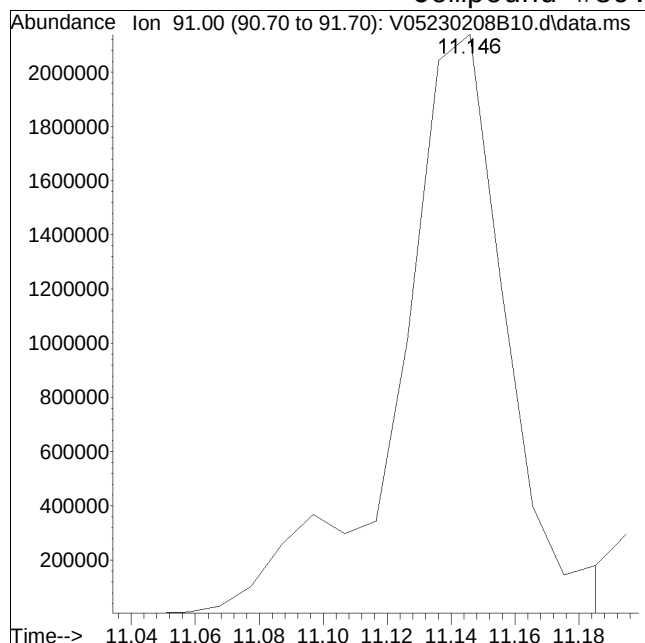
Manual Peak Response = 229226 M6



# Manual Integration Report

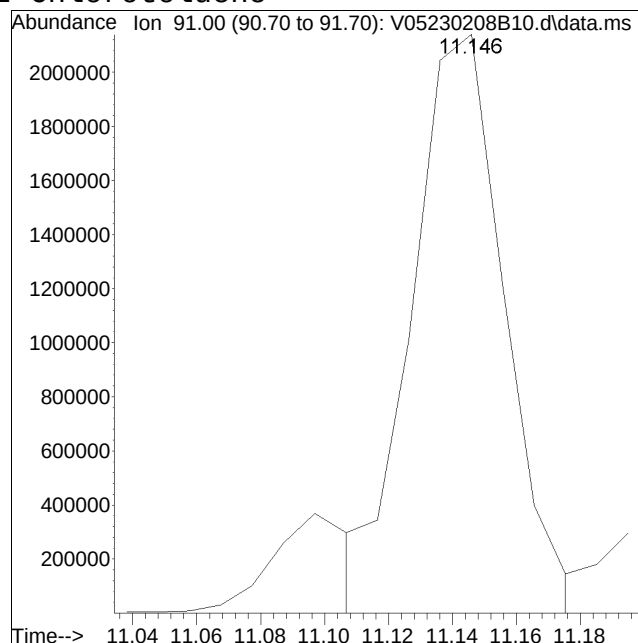
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B10.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 4:17 pm Instrument : VOA 105  
Sample : I8260STD80PPB Quant Date : 2/9/2023 6:56 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 4979105

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

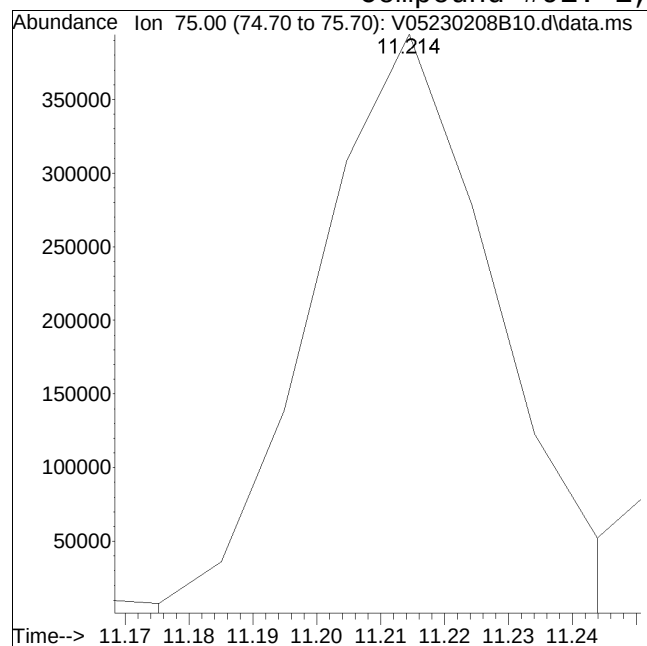


Manual Peak Response = 4284377 M6

# Manual Integration Report

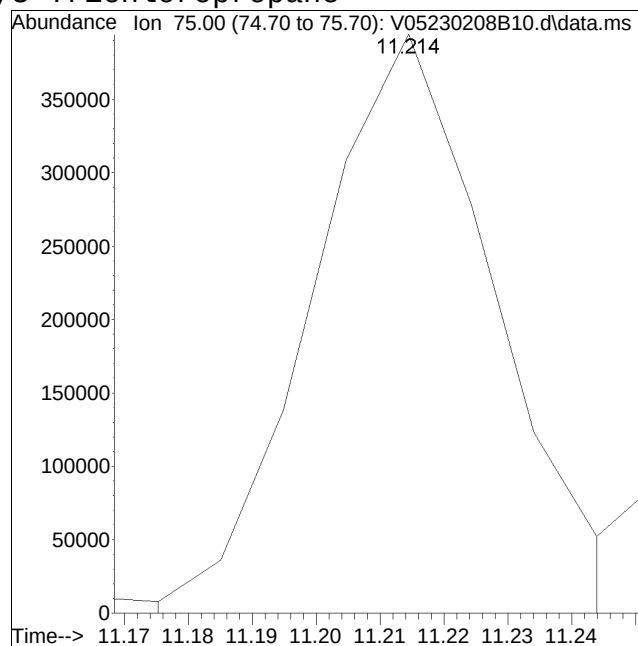
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B10.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 4:17 pm Instrument : VOA 105  
Sample : I8260STD80PPB Quant Date : 2/9/2023 6:56 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 776803

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 782165 M1

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B11.d  
 Acq On : 8 Feb 2023 4:40 pm  
 Operator : VOA105:PID  
 Sample : I8260STD120PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 09 06:56:04 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc    | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|---------|---------|----------|
| -----                        |                |      |          |         |         |          |
| Internal Standards           |                |      |          |         |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 651330   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =       | 102.66% |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 504332   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =       | 101.54% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 266960   | 10.000  | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =       | 96.52%  |          |
| System Monitoring Compounds  |                |      |          |         |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 167317   | 9.675   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 96.75%  |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 182865   | 9.728   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 97.28%  |          |
| 60) Toluene-d8               | 7.464          | 98   | 649040   | 10.111  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 101.11% |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 256355   | 10.392  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =       | 103.92% |          |
| Target Compounds             |                |      |          |         |         |          |
|                              |                |      |          |         |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 1888208  | 134.794 | ug/L    | # 97     |
| 3) Chloromethane             | 1.733          | 50   | 2625306  | 126.106 | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 2129075  | 132.578 | ug/L    | 96       |
| 5) Bromomethane              | 2.095          | 94   | 1131461  | 134.029 | ug/L    | 98       |
| 6) Chloroethane              | 2.192          | 64   | 1187943  | 123.378 | ug/L    | 96       |
| 7) Trichlorofluoromethane    | 2.329          | 101  | 2620354  | 130.960 | ug/L    | 100      |
| 8) Ethyl ether               | 2.613          | 74   | 615728   | 120.961 | ug/L    | # 51     |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 1731384  | 128.622 | ug/L    | 97       |
| 11) Carbon disulfide         | 2.828          | 76   | 5372539  | 125.825 | ug/L    | 99       |
| 12) Freon-113                | 2.828          | 101  | 1902517  | 132.159 | ug/L    | 80       |
| 13) Iodomethane              | 2.936          | 142  | 2790295  | 130.011 | ug/L    | 90       |
| 14) Acrolein                 | 3.122          | 56   | 215519   | 130.868 | ug/L    | 100      |
| 15) Methylene chloride       | 3.347          | 84   | 1869154  | 119.392 | ug/L    | # 70     |
| 17) Acetone                  | 3.386          | 43   | 357994   | 122.518 | ug/L    | 99       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 1911312  | 123.336 | ug/L    | 94       |
| 19) Methyl acetate           | 3.493          | 43   | 855918   | 126.276 | ug/L    | # 79     |
| 20) Methyl tert-butyl ether  | 3.572          | 73   | 3597980  | 124.071 | ug/L    | # 87     |
| 21) tert-Butyl alcohol       | 3.679          | 59   | 495541   | 614.021 | ug/L    | 91       |
| 22) Diisopropyl ether        | 3.924          | 45   | 7104343  | 123.967 | ug/L    | # 89     |
| 23) 1,1-Dichloroethane       | 4.051          | 63   | 3657233  | 122.397 | ug/L    | 97       |
| 24) Halothane                | 4.110          | 117  | 1570118  | 126.112 | ug/L    | 99       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B11.d  
 Acq On : 8 Feb 2023 4:40 pm  
 Operator : VOA105:PID  
 Sample : I8260STD120PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 09 06:56:04 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 25) Acrylonitrile             | 4.110  | 53   | 439609   | 127.373  | ug/L  | # 88     |
| 26) Ethyl tert-butyl ether    | 4.256  | 59   | 5693413  | 123.399  | ug/L  | 83       |
| 27) Vinyl acetate             | 4.286  | 43   | 3864170  | 123.459  | ug/L  | # 93     |
| 28) cis-1,2-Dichloroethene    | 4.559  | 96   | 2099565  | 121.407  | ug/L  | 96       |
| 29) 2,2-Dichloropropane       | 4.657  | 77   | 3048777  | 124.236  | ug/L  | 91       |
| 30) Bromochloromethane        | 4.755  | 128  | 932761   | 118.453  | ug/L  | # 79     |
| 31) Cyclohexane               | 4.735  | 56   | 4175085  | 132.058  | ug/L  | 73       |
| 32) Chloroform                | 4.824  | 83   | 3352422  | 123.441  | ug/L  | 95       |
| 33) Ethyl acetate             | 4.931  | 43   | 1349088  | 130.018  | ug/L  | # 92     |
| 34) Carbon tetrachloride      | 4.941  | 117  | 2928671  | 128.017  | ug/L  | 99       |
| 35) Tetrahydrofuran           | 4.970  | 42   | 363946M6 | 107.037  | ug/L  |          |
| 37) 1,1,1-Trichloroethane     | 5.009  | 97   | 3109803  | 126.759  | ug/L  | 97       |
| 39) 2-Butanone                | 5.117  | 43   | 624976   | 126.255  | ug/L  | # 58     |
| 40) 1,1-Dichloropropene       | 5.136  | 75   | 2635348  | 129.475  | ug/L  | 95       |
| 41) Benzene                   | 5.371  | 78   | 7513776  | 124.651  | ug/L  | # 92     |
| 42) tert-Amyl methyl ether    | 5.479  | 73   | 4403850  | 124.076  | ug/L  | 94       |
| 44) 1,2-Dichloroethane        | 5.586  | 62   | 2395688  | 121.264  | ug/L  | 97       |
| 47) Methyl cyclohexane        | 5.939  | 83   | 3732851  | 133.406  | ug/L  | # 73     |
| 48) Trichloroethene           | 5.968  | 95   | 2086354  | 128.626  | ug/L  | 94       |
| 50) Dibromomethane            | 6.408  | 93   | 1026018  | 119.874  | ug/L  | 92       |
| 51) 1,2-Dichloropropane       | 6.506  | 63   | 2107514  | 123.990  | ug/L  | # 87     |
| 53) 2-Chloroethyl vinyl ether | 7.200  | 63   | 1091807  | 124.765  | ug/L  | 91       |
| 54) Bromodichloromethane      | 6.584  | 83   | 2636889  | 123.140  | ug/L  | 100      |
| 57) 1,4-Dioxane               | 6.789  | 88   | 105296   | 1225.684 | ug/L  | # 81     |
| 58) cis-1,3-Dichloropropene   | 7.259  | 75   | 3128783  | 125.105  | ug/L  | # 85     |
| 61) Toluene                   | 7.513  | 92   | 4849747  | 125.188  | ug/L  | 99       |
| 62) 4-Methyl-2-pentanone      | 7.953  | 58   | 472722   | 123.850  | ug/L  | # 86     |
| 63) Tetrachloroethene         | 7.953  | 166  | 2344937  | 129.965  | ug/L  | 93       |
| 65) trans-1,3-Dichloropropene | 8.012  | 75   | 2656599  | 126.513  | ug/L  | 81       |
| 67) Ethyl methacrylate        | 8.188  | 69   | 1782321  | 123.541  | ug/L  | 91       |
| 68) 1,1,2-Trichloroethane     | 8.198  | 83   | 1193003  | 124.105  | ug/L  | 98       |
| 69) Chlorodibromomethane      | 8.403  | 129  | 1996040  | 125.940  | ug/L  | 98       |
| 70) 1,3-Dichloropropane       | 8.511  | 76   | 2539152  | 125.793  | ug/L  | 100      |
| 71) 1,2-Dibromoethane         | 8.667  | 107  | 1484844  | 130.141  | ug/L  | 100      |
| 72) 2-Hexanone                | 8.961  | 43   | 893984   | 125.432  | ug/L  | 95       |
| 73) Chlorobenzene             | 9.314  | 112  | 5520814  | 123.371  | ug/L  | 92       |
| 74) Ethylbenzene              | 9.353  | 91   | 9424197  | 124.720  | ug/L  | 93       |
| 75) 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 2052183  | 124.514  | ug/L  | 98       |
| 76) p/m Xylene                | 9.539  | 106  | 7178285  | 245.592  | ug/L  | 84       |
| 77) o Xylene                  | 10.088 | 106  | 6984895  | 245.043  | ug/L  | 83       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B11.d  
 Acq On : 8 Feb 2023 4:40 pm  
 Operator : VOA105:PID  
 Sample : I8260STD120PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 09 06:56:04 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response  | Conc    | Units  | Dev(Min) |
|------|---------------------------|--------|------|-----------|---------|--------|----------|
| 78)  | Styrene                   | 10.156 | 104  | 11263817  | 244.442 | ug/L   | 93       |
| 80)  | Bromoform                 | 10.186 | 173  | 1170742   | 128.112 | ug/L   | 97       |
| 82)  | Isopropylbenzene          | 10.480 | 105  | 9836390   | 129.615 | ug/L   | 93       |
| 84)  | Bromobenzene              | 10.930 | 156  | 2363344   | 129.008 | ug/L   | 99       |
| 85)  | n-Propylbenzene           | 10.969 | 91   | 11297342  | 128.053 | ug/L   | 92       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 2660284   | 123.509 | ug/L   | 90       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 1612321   | 124.506 | ug/L   | 99       |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 9534087   | 128.033 | ug/L   | 94       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 6445099M6 | 122.772 | ug/L   |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.204 | 105  | 8044856   | 126.133 | ug/L   | 93       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 1222935M1 | 123.425 | ug/L   |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 579893    | 127.670 | ug/L # | 75       |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 6922534   | 126.717 | ug/L   | 92       |
| 94)  | tert-Butylbenzene         | 11.547 | 119  | 7310643   | 128.905 | ug/L   | 94       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 7902998   | 125.490 | ug/L   | 92       |
| 98)  | sec-Butylbenzene          | 11.733 | 105  | 10129984  | 129.628 | ug/L   | 95       |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 8996463   | 127.211 | ug/L   | 95       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 4398192   | 125.841 | ug/L   | 98       |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 4335447   | 123.571 | ug/L   | 98       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 5457718   | 127.864 | ug/L   | 98       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 7325694   | 129.628 | ug/L   | 96       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 3917431   | 125.193 | ug/L   | 98       |
| 105) | 1,2,4,5-Tetramethylben... | 13.076 | 119  | 7524327   | 124.416 | ug/L   | 94       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.271 | 155  | 261611    | 127.627 | ug/L   | 96       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 2867913   | 125.530 | ug/L   | 97       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 1201666   | 131.689 | ug/L   | 100      |
| 109) | 1,2,4-Trichlorobenzene    | 13.898 | 180  | 2335571   | 125.956 | ug/L   | 99       |
| 110) | Naphthalene               | 14.192 | 128  | 4550115   | 123.878 | ug/L   | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.359 | 180  | 1837087   | 125.026 | ug/L   | 99       |

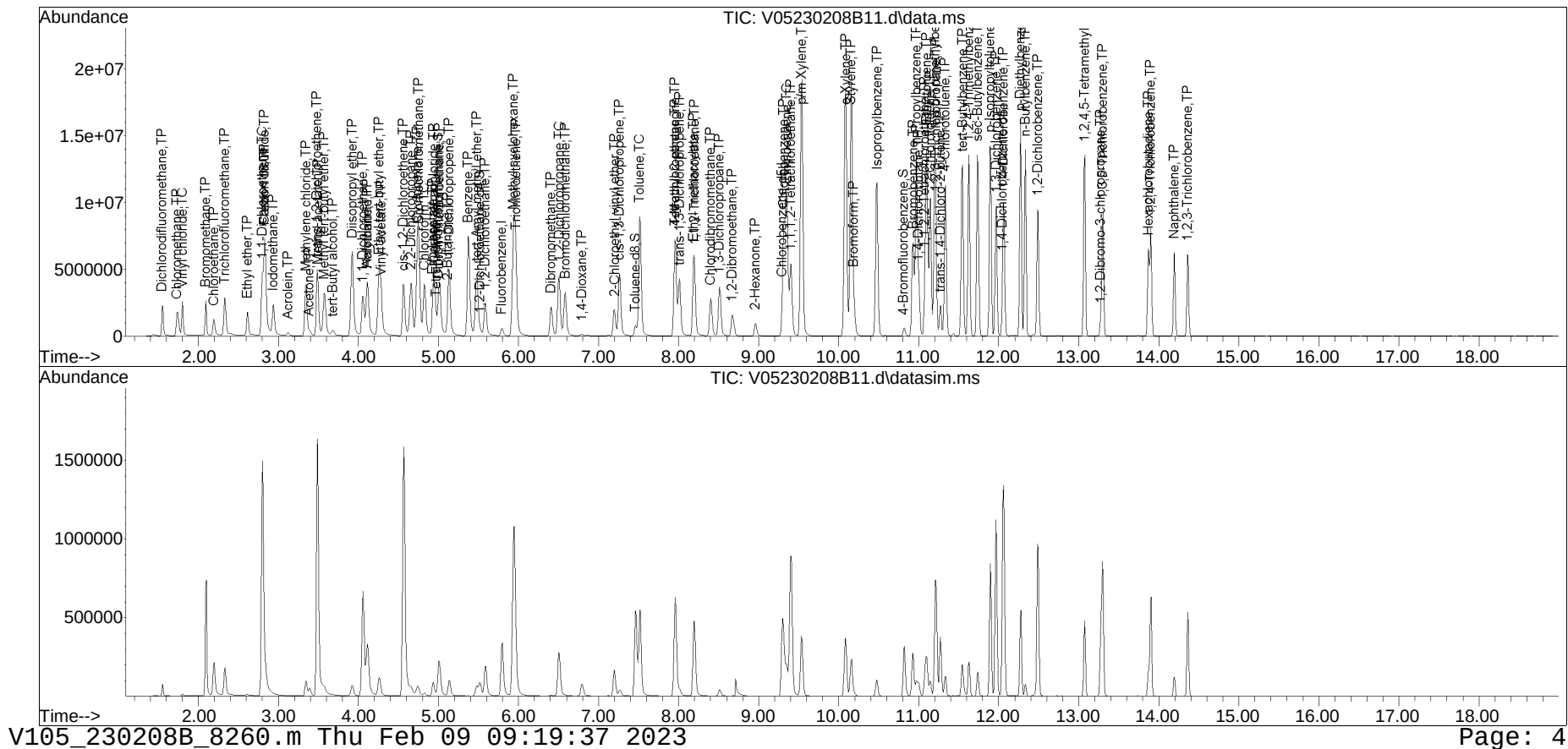
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

```
Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
Data File : V05230208B11.d  
Acq On    : 8 Feb 2023 4:40 pm  
Operator  : VOA105:PID  
Sample    : I8260STD120PPB  
Misc      : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
ALS Vial  : 11 Sample Multiplier: 1
```

Quant Time: Feb 09 06:56:04 2023  
Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
Quant Title : VOLATILES BY GC/MS  
QLast Update : Thu Feb 09 06:54:59 2023  
Response via : Initial Calibration

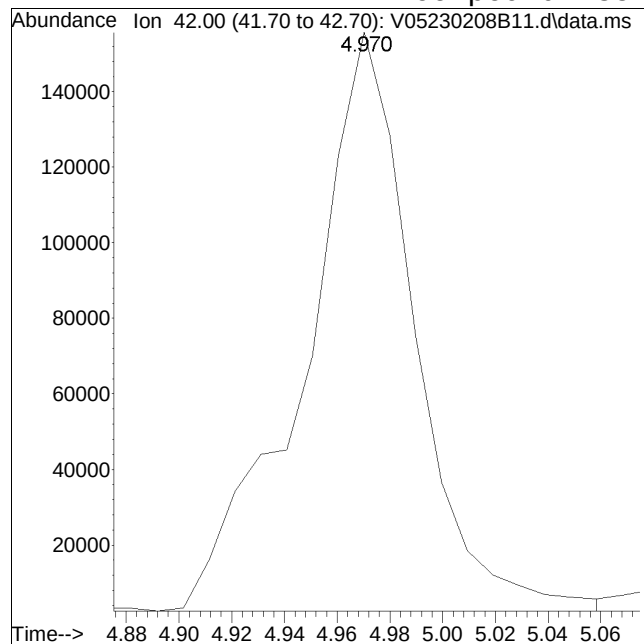
Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•



# Manual Integration Report

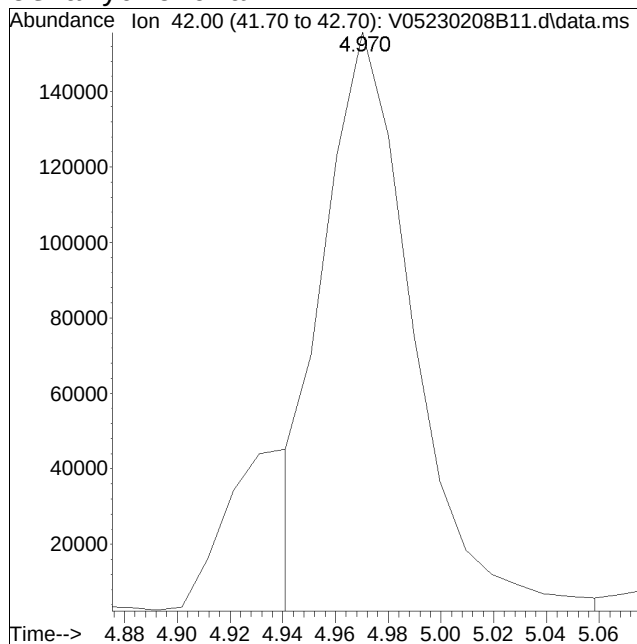
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B11.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 4:40 pm Instrument : VOA 105  
Sample : I8260STD120PPB Quant Date : 2/9/2023 6:56 am

## Compound #35: Tetrahydrofuran



Original Peak Response = 438810

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

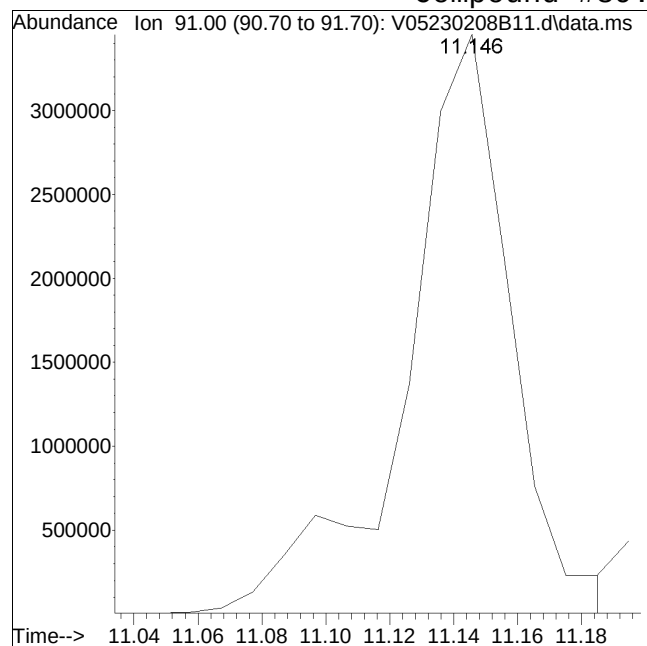


Manual Peak Response = 363946 M6

# Manual Integration Report

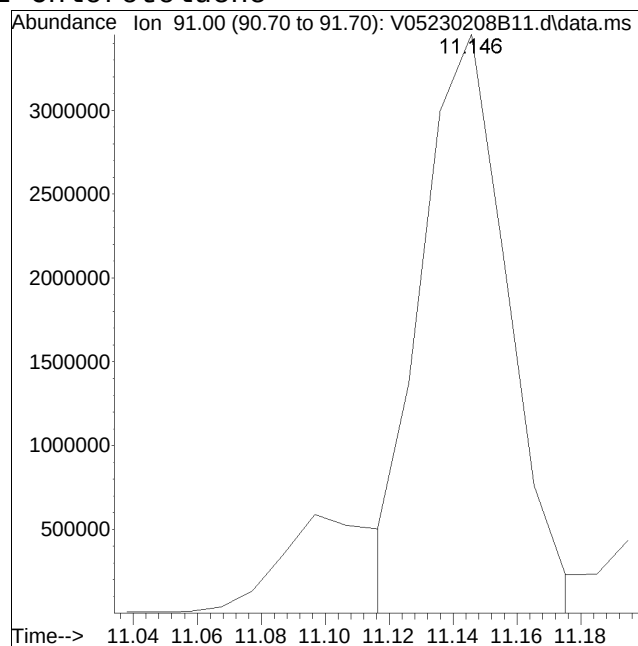
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B11.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 4:40 pm Instrument : VOA 105  
Sample : I8260STD120PPB Quant Date : 2/9/2023 6:56 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 7796679

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



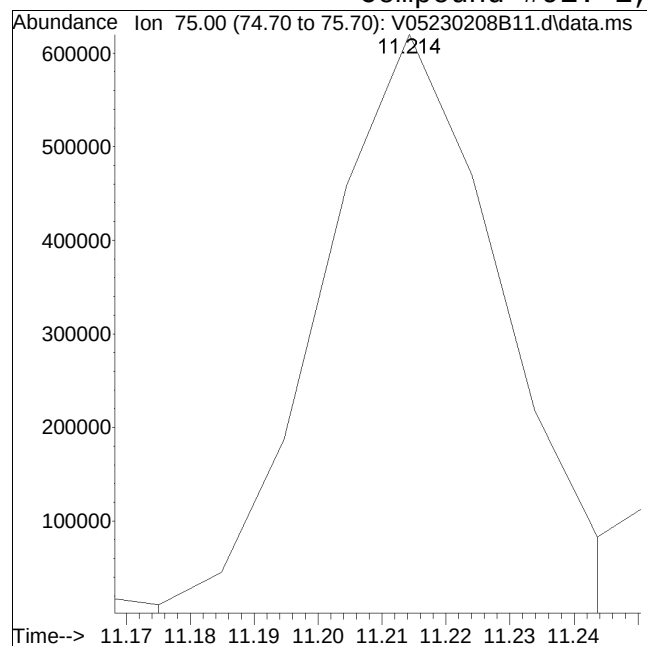
Manual Peak Response = 6445099 M6



# Manual Integration Report

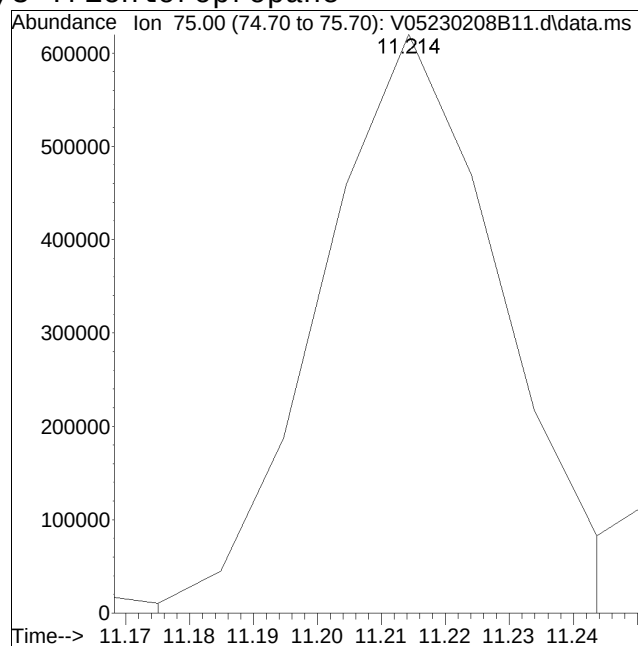
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B11.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 4:40 pm Instrument : VOA 105  
Sample : I8260STD120PPB Quant Date : 2/9/2023 6:56 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1215815

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 1222935 M1

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B12.d  
 Acq On : 8 Feb 2023 5:03 pm  
 Operator : VOA105:PID  
 Sample : I8260STD200PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 06:56:12 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc     | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|----------|---------|----------|
| -----                        |                |      |          |          |         |          |
| Internal Standards           |                |      |          |          |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 651033   | 10.000   | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =        | 102.61% |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 510187   | 10.000   | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =        | 102.72% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 261125   | 10.000   | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =        | 94.41%  |          |
| System Monitoring Compounds  |                |      |          |          |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 166751   | 9.647    | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =        | 96.47%  |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 190757   | 10.152   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =        | 101.52% |          |
| 60) Toluene-d8               | 7.464          | 98   | 650442   | 10.017   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =        | 100.17% |          |
| 83) 4-Bromofluorobenzene     | 10.823         | 95   | 257542   | 10.674   | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =        | 106.74% |          |
| Target Compounds             |                |      |          |          |         |          |
|                              |                |      |          |          |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 3118948  | 222.755  | ug/L    | # 97     |
| 3) Chloromethane             | 1.733          | 50   | 4348648  | 208.981  | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 3513929  | 218.913  | ug/L    | 95       |
| 5) Bromomethane              | 2.095          | 94   | 1911972  | 226.588  | ug/L    | 98       |
| 6) Chloroethane              | 2.183          | 64   | 1817705  | 188.870  | ug/L    | 96       |
| 7) Trichlorofluoromethane    | 2.330          | 101  | 4364248  | 218.216  | ug/L    | 100      |
| 8) Ethyl ether               | 2.613          | 74   | 1024328  | 201.323  | ug/L    | # 51     |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 2849314  | 211.768  | ug/L    | 97       |
| 11) Carbon disulfide         | 2.828          | 76   | 8688588  | 203.579  | ug/L    | 99       |
| 12) Freon-113                | 2.828          | 101  | 3096616  | 215.205  | ug/L    | 81       |
| 13) Iodomethane              | 2.936          | 142  | 4502074  | 209.865  | ug/L    | 90       |
| 14) Acrolein                 | 3.122          | 56   | 370105   | 224.839  | ug/L    | 99       |
| 15) Methylene chloride       | 3.337          | 84   | 3093844  | 197.710  | ug/L    | # 70     |
| 17) Acetone                  | 3.386          | 43   | 617027   | 211.264  | ug/L    | 98       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 3117685  | 201.274  | ug/L    | 93       |
| 19) Methyl acetate           | 3.493          | 43   | 1387349  | 204.773  | ug/L    | # 80     |
| 20) Methyl tert-butyl ether  | 3.572          | 73   | 5954693  | 205.432  | ug/L    | # 87     |
| 21) tert-Butyl alcohol       | 3.679          | 59   | 826852   | 1025.014 | ug/L    | 84       |
| 22) Diisopropyl ether        | 3.924          | 45   | 11644267 | 203.279  | ug/L    | # 90     |
| 23) 1,1-Dichloroethane       | 4.051          | 63   | 5995839  | 200.755  | ug/L    | 97       |
| 24) Halothane                | 4.110          | 117  | 2569451  | 206.473  | ug/L    | 99       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B12.d  
 Acq On : 8 Feb 2023 5:03 pm  
 Operator : VOA105:PID  
 Sample : I8260STD200PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 06:56:12 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 25) Acrylonitrile             | 4.110  | 53   | 724435   | 209.994  | ug/L # | 89       |
| 26) Ethyl tert-butyl ether    | 4.256  | 59   | 9368484  | 203.146  | ug/L # | 82       |
| 27) Vinyl acetate             | 4.286  | 43   | 6670468  | 213.217  | ug/L # | 93       |
| 28) cis-1,2-Dichloroethene    | 4.560  | 96   | 3453326  | 199.780  | ug/L   | 95       |
| 29) 2,2-Dichloropropane       | 4.657  | 77   | 4979922  | 203.022  | ug/L   | 91       |
| 30) Bromochloromethane        | 4.755  | 128  | 1499154  | 190.467  | ug/L # | 78       |
| 31) Cyclohexane               | 4.736  | 56   | 6838253  | 216.393  | ug/L   | 73       |
| 32) Chloroform                | 4.824  | 83   | 5517785  | 203.266  | ug/L   | 95       |
| 33) Ethyl acetate             | 4.931  | 43   | 2252504  | 217.184  | ug/L # | 92       |
| 34) Carbon tetrachloride      | 4.941  | 117  | 4851395  | 212.159  | ug/L   | 99       |
| 35) Tetrahydrofuran           | 4.970  | 42   | 596262M6 | 175.442  | ug/L   |          |
| 37) 1,1,1-Trichloroethane     | 5.009  | 97   | 5116136  | 208.635  | ug/L   | 97       |
| 39) 2-Butanone                | 5.117  | 43   | 1019794  | 206.108  | ug/L # | 59       |
| 40) 1,1-Dichloropropene       | 5.137  | 75   | 4338294  | 213.238  | ug/L   | 94       |
| 41) Benzene                   | 5.371  | 78   | 12215767 | 202.748  | ug/L # | 91       |
| 42) tert-Amyl methyl ether    | 5.479  | 73   | 7305203  | 205.914  | ug/L   | 95       |
| 44) 1,2-Dichloroethane        | 5.587  | 62   | 3959724  | 200.523  | ug/L   | 97       |
| 47) Methyl cyclohexane        | 5.939  | 83   | 6136919  | 219.423  | ug/L # | 73       |
| 48) Trichloroethene           | 5.968  | 95   | 3382339  | 208.620  | ug/L   | 95       |
| 50) Dibromomethane            | 6.408  | 93   | 1725583  | 201.700  | ug/L   | 92       |
| 51) 1,2-Dichloropropane       | 6.506  | 63   | 3497437  | 205.857  | ug/L # | 88       |
| 53) 2-Chloroethyl vinyl ether | 7.200  | 63   | 1829445  | 209.154  | ug/L   | 91       |
| 54) Bromodichloromethane      | 6.584  | 83   | 4371035  | 204.216  | ug/L   | 100      |
| 57) 1,4-Dioxane               | 6.790  | 88   | 174389   | 2030.878 | ug/L # | 79       |
| 58) cis-1,3-Dichloropropene   | 7.259  | 75   | 5161427  | 206.476  | ug/L # | 85       |
| 61) Toluene                   | 7.513  | 92   | 7910675  | 201.858  | ug/L   | 97       |
| 62) 4-Methyl-2-pentanone      | 7.954  | 58   | 777431   | 201.345  | ug/L # | 88       |
| 63) Tetrachloroethene         | 7.963  | 166  | 3831782  | 209.935  | ug/L   | 93       |
| 65) trans-1,3-Dichloropropene | 8.012  | 75   | 4384121  | 206.385  | ug/L   | 82       |
| 67) Ethyl methacrylate        | 8.188  | 69   | 2931154  | 200.840  | ug/L   | 90       |
| 68) 1,1,2-Trichloroethane     | 8.198  | 83   | 1965016  | 202.070  | ug/L   | 98       |
| 69) Chlorodibromomethane      | 8.403  | 129  | 3326770  | 207.494  | ug/L   | 99       |
| 70) 1,3-Dichloropropane       | 8.511  | 76   | 4180643  | 204.737  | ug/L   | 99       |
| 71) 1,2-Dibromoethane         | 8.677  | 107  | 2464682  | 213.540  | ug/L   | 100      |
| 72) 2-Hexanone                | 8.961  | 43   | 1480306  | 205.314  | ug/L   | 95       |
| 73) Chlorobenzene             | 9.314  | 112  | 8975451  | 198.268  | ug/L   | 93       |
| 74) Ethylbenzene              | 9.353  | 91   | 14928663 | 195.299  | ug/L   | 91       |
| 75) 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 3346854  | 200.737  | ug/L   | 98       |
| 76) p/m Xylene                | 9.539  | 106  | 11178658 | 378.068  | ug/L   | 77       |
| 77) o Xylene                  | 10.088 | 106  | 10988178 | 381.062  | ug/L   | 76       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B12.d  
 Acq On : 8 Feb 2023 5:03 pm  
 Operator : VOA105:PID  
 Sample : I8260STD200PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 06:56:12 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response   | Conc    | Units  | Dev(Min) |
|------|---------------------------|--------|------|------------|---------|--------|----------|
| 78)  | Styrene                   | 10.156 | 104  | 16890502   | 362.343 | ug/L   | 97       |
| 80)  | Bromoform                 | 10.196 | 173  | 1909771    | 213.652 | ug/L   | 97       |
| 82)  | Isopropylbenzene          | 10.480 | 105  | 15381436   | 207.212 | ug/L   | 91       |
| 84)  | Bromobenzene              | 10.930 | 156  | 3872044    | 216.087 | ug/L   | 100      |
| 85)  | n-Propylbenzene           | 10.970 | 91   | 17015541   | 197.178 | ug/L # | 89       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 4323209    | 205.198 | ug/L # | 89       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 2655426    | 209.638 | ug/L   | 99       |
| 88)  | 4-Ethyltoluene            | 11.107 | 105  | 14492771   | 198.972 | ug/L   | 92       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 10450748M6 | 203.524 | ug/L   |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.205 | 105  | 12236664   | 196.142 | ug/L   | 91       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 1973643M1  | 203.641 | ug/L   |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 922117M4   | 207.550 | ug/L   |          |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 10854866   | 203.138 | ug/L   | 90       |
| 94)  | tert-Butylbenzene         | 11.547 | 119  | 11423651   | 205.928 | ug/L   | 92       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 12146950   | 197.189 | ug/L   | 90       |
| 98)  | sec-Butylbenzene          | 11.743 | 105  | 15217178   | 199.077 | ug/L   | 92       |
| 99)  | p-Isopropyltoluene        | 11.900 | 119  | 13393561   | 193.618 | ug/L   | 96       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 6901352    | 201.875 | ug/L   | 99       |
| 101) | 1,4-Dichlorobenzene       | 12.067 | 146  | 6802445    | 198.219 | ug/L   | 98       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 8463833    | 202.722 | ug/L   | 98       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 11315607   | 204.704 | ug/L # | 94       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 6179910    | 201.910 | ug/L   | 98       |
| 105) | 1,2,4,5-Tetramethylben... | 13.076 | 119  | 11430459   | 193.229 | ug/L   | 93       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.272 | 155  | 416651     | 207.805 | ug/L   | 97       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 4471169    | 200.078 | ug/L   | 97       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 1918812    | 214.980 | ug/L   | 100      |
| 109) | 1,2,4-Trichlorobenzene    | 13.899 | 180  | 3669286    | 202.304 | ug/L   | 99       |
| 110) | Naphthalene               | 14.192 | 128  | 7179163    | 199.822 | ug/L   | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.359 | 180  | 2908290    | 202.351 | ug/L   | 100      |

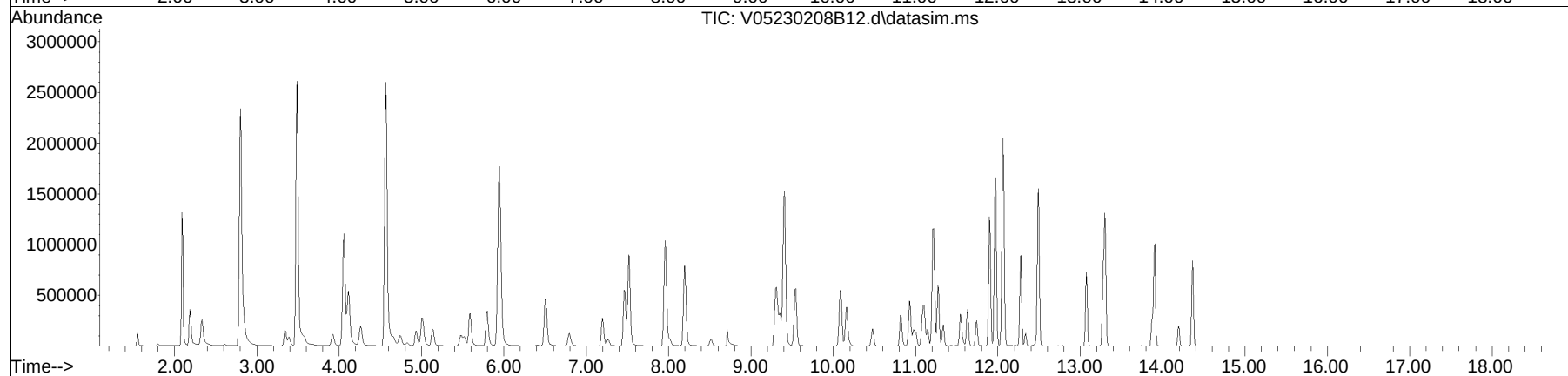
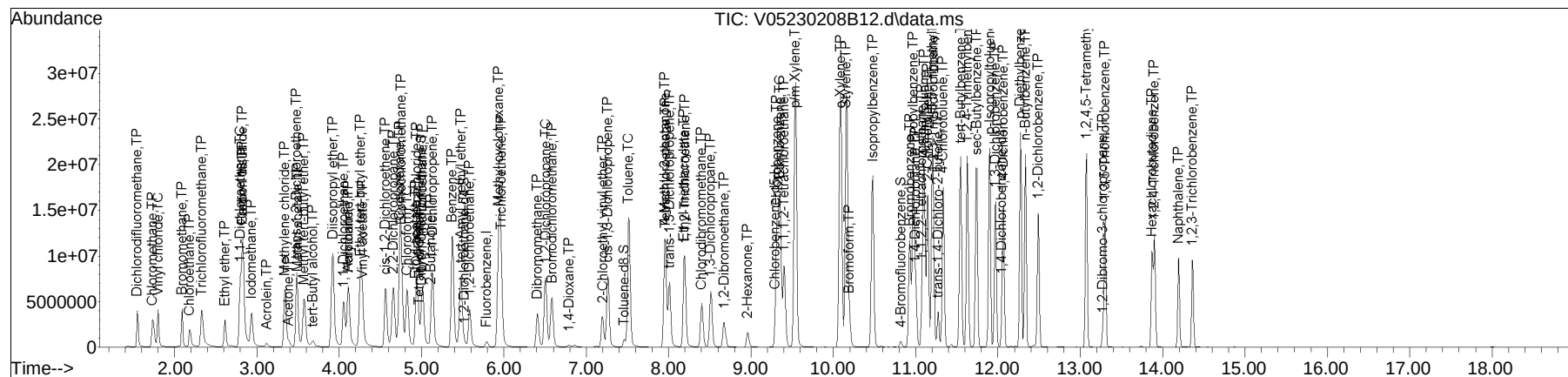
(#) = qualifier out of range (m) = manual integration (+) = signals summed

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B12.d  
 Acq On : 8 Feb 2023 5:03 pm  
 Operator : VOA105:PID  
 Sample : I8260STD200PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 09 06:56:12 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:54:59 2023  
 Response via : Initial Calibration

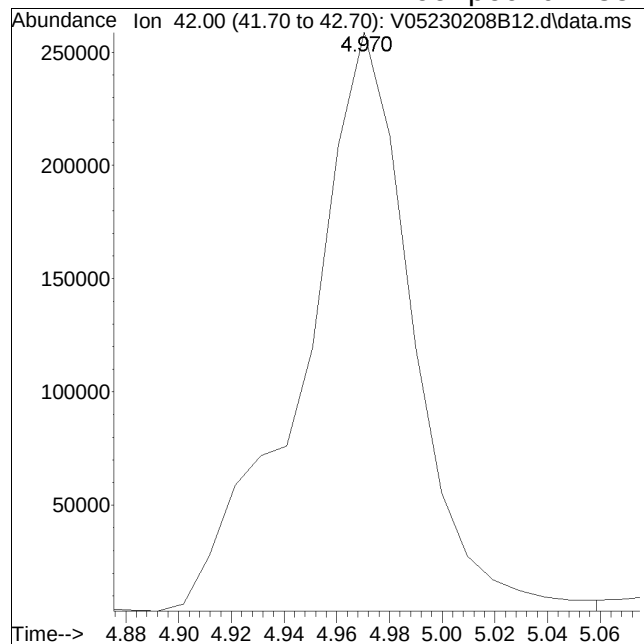
Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•



# Manual Integration Report

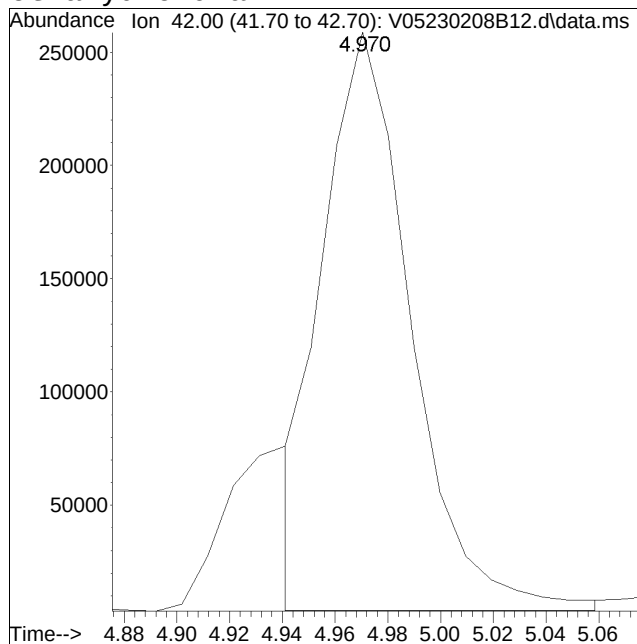
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B12.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 5:03 pm Instrument : VOA 105  
Sample : I8260STD200PPB Quant Date : 2/9/2023 6:56 am

## Compound #35: Tetrahydrofuran



Original Peak Response = 729291

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

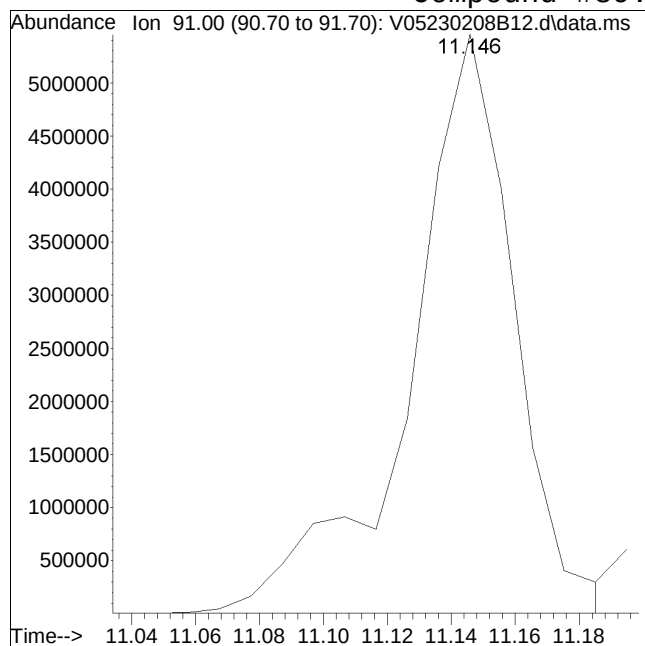


Manual Peak Response = 596262 M6

# Manual Integration Report

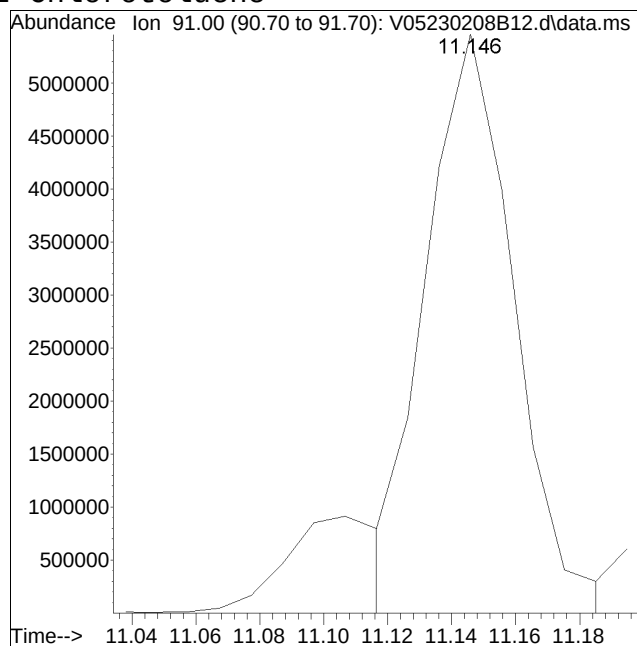
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B12.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 5:03 pm Instrument : VOA 105  
Sample : I8260STD200PPB Quant Date : 2/9/2023 6:56 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 12302712

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

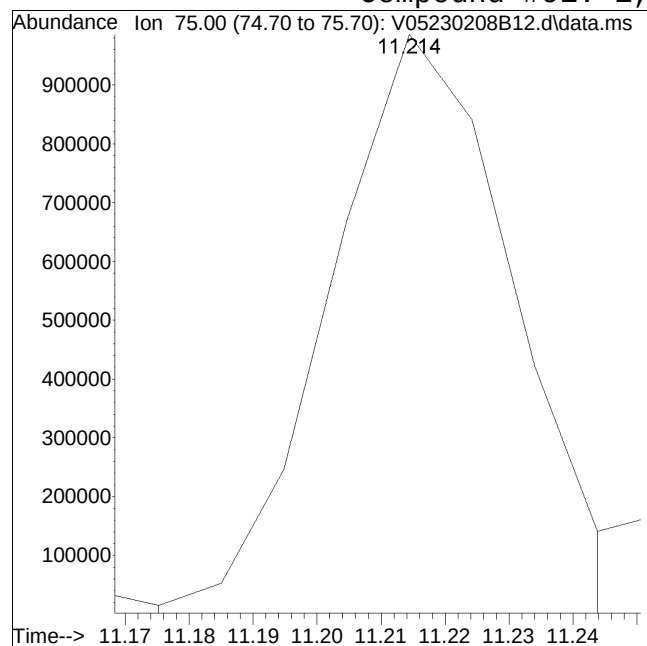


Manual Peak Response = 10450748 M6

# Manual Integration Report

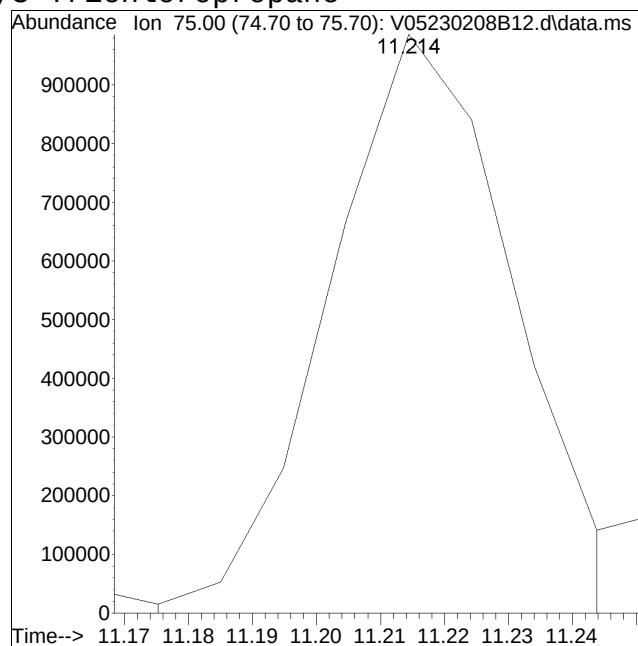
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B12.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 5:03 pm Instrument : VOA 105  
Sample : I8260STD200PPB Quant Date : 2/9/2023 6:56 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1963780

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



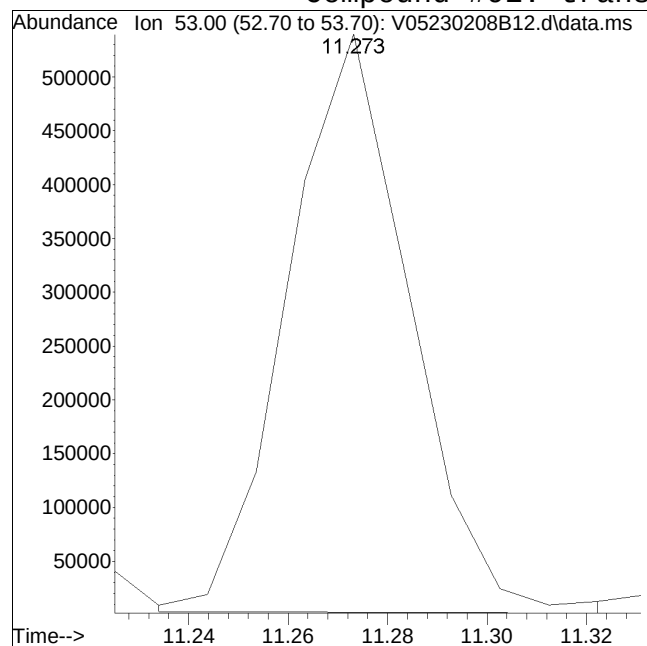
Manual Peak Response = 1973643 M1



# Manual Integration Report

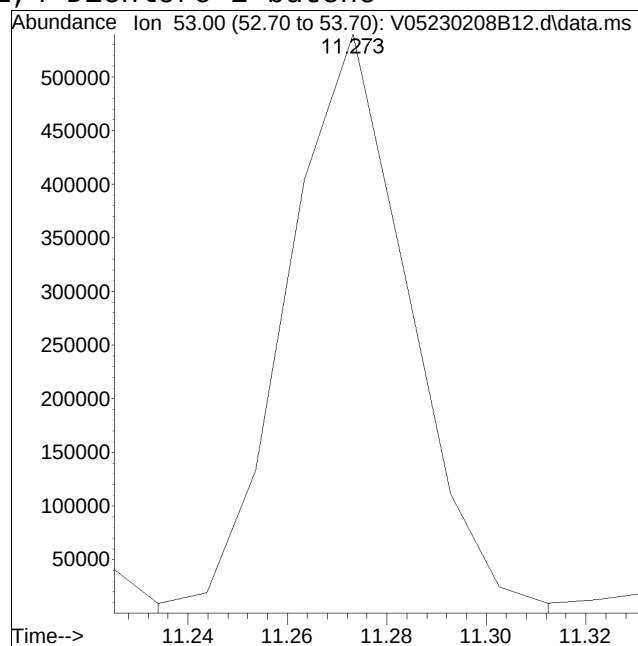
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B12.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 5:03 pm Instrument : VOA 105  
Sample : I8260STD200PPB Quant Date : 2/9/2023 6:56 am

## Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 917073

M4 = Poor automated baseline construction.



Manual Peak Response = 922117 M4

# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B17.d  
 Acq On : 8 Feb 2023 6:59 pm  
 Operator : VOA105:PID  
 Sample : C8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 09 07:01:01 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial 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) |
|-------|--------------------------|-------|-------|--------|-------|----------|
| 1 I   | Fluorobenzene            | 1.000 | 1.000 | 0.0    | 99    | 0.00     |
| 2 TP  | Dichlorodifluoromethane  | 0.215 | 0.260 | -20.9# | 124   | 0.00     |
| 3 TP  | Chloromethane            | 0.320 | 0.386 | -20.6# | 126   | 0.00     |
| 4 TC  | Vinyl chloride           | 0.247 | 0.307 | -24.3# | 124   | 0.00     |
| 5 TP  | Bromomethane             | 0.130 | 0.170 | -30.8# | 143   | 0.00     |
| 6 TP  | Chloroethane             | 0.148 | 0.163 | -10.1  | 111   | 0.00     |
| 7 TP  | Trichlorofluoromethane   | 0.307 | 0.342 | -11.4  | 116   | 0.00     |
| 8 TP  | Ethyl ether              | 0.078 | 0.089 | -14.1  | 118   | 0.00     |
| 10 TC | 1,1-Dichloroethene       | 0.207 | 0.217 | -4.8   | 109   | 0.00     |
| 11 TP | Carbon disulfide         | 0.655 | 0.588 | 10.2   | 91    | 0.00     |
| 12 TP | Freon-113                | 0.221 | 0.219 | 0.9    | 98    | 0.00     |
| 13 TP | Iodomethane              | 0.329 | 0.310 | 5.8    | 96    | 0.00     |
| 14 TP | Acrolein                 | 0.025 | 0.024 | 4.0    | 101   | 0.00     |
| 15 TP | Methylene chloride       | 0.240 | 0.246 | -2.5   | 108   | 0.00     |
| 17 TP | Acetone                  | 0.045 | 0.041 | 8.9    | 112   | 0.00     |
| 18 TP | trans-1,2-Dichloroethene | 0.238 | 0.246 | -3.4   | 106   | 0.00     |
| 19 TP | Methyl acetate           | 0.104 | 0.106 | -1.9   | 106   | 0.00     |
| 20 TP | Methyl tert-butyl ether  | 0.445 | 0.450 | -1.1   | 105   | 0.00     |
| 21 TP | tert-Butyl alcohol       | 0.012 | 0.011 | 8.3    | 96    | 0.00     |
| 22 TP | Diisopropyl ether        | 0.880 | 0.776 | 11.8   | 92    | 0.00     |
| 23 TP | 1,1-Dichloroethane       | 0.459 | 0.476 | -3.7   | 106   | 0.00     |
| 24 TP | Halothane                | 0.191 | 0.187 | 2.1    | 100   | 0.00     |
| 25 TP | Acrylonitrile            | 0.053 | 0.053 | 0.0    | 110   | 0.00     |
| 26 TP | Ethyl tert-butyl ether   | 0.708 | 0.634 | 10.5   | 94    | 0.00     |
| 27 TP | Vinyl acetate            | 0.480 | 0.424 | 11.7   | 94    | 0.00     |
| 28 TP | cis-1,2-Dichloroethene   | 0.265 | 0.269 | -1.5   | 104   | 0.00     |
| 29 TP | 2,2-Dichloropropane      | 0.377 | 0.367 | 2.7    | 98    | 0.00     |
| 30 TP | Bromochloromethane       | 0.121 | 0.123 | -1.7   | 103   | 0.00     |
| 31 TP | Cyclohexane              | 0.485 | 0.446 | 8.0    | 93    | 0.00     |
| 32 TC | Chloroform               | 0.417 | 0.430 | -3.1   | 106   | 0.00     |
| 33 TP | Ethyl acetate            | 0.159 | 0.156 | 1.9    | 108   | 0.00     |
| 34 TP | Carbon tetrachloride     | 0.351 | 0.356 | -1.4   | 106   | 0.00     |
| 35 TP | Tetrahydrofuran          | 0.048 | 0.042 | 12.5   | 94    | 0.00     |
| 36 S  | Dibromofluoromethane     | 0.266 | 0.270 | -1.5   | 99    | 0.00     |
| 37 TP | 1,1,1-Trichloroethane    | 0.377 | 0.410 | -8.8   | 111   | 0.00     |
| 39 TP | 2-Butanone               | 0.076 | 0.066 | 13.2   | 88    | 0.00     |
| 40 TP | 1,1-Dichloropropene      | 0.312 | 0.329 | -5.4   | 107   | 0.00     |
| 41 TP | Benzene                  | 0.925 | 0.940 | -1.6   | 105   | 0.00     |
| 42 TP | tert-Amyl methyl ether   | 0.545 | 0.479 | 12.1   | 93    | 0.00     |

# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B17.d  
 Acq On : 8 Feb 2023 6:59 pm  
 Operator : VOA105:PID  
 Sample : C8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 09 07:01:01 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial 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) |
|-------|---------------------------|---------|----------|------|-------|----------|
| 43 S  | 1,2-Dichloroethane-d4     | 0.289   | 0.306    | -5.9 | 100   | 0.00     |
| 44 TP | 1,2-Dichloroethane        | 0.303   | 0.304    | -0.3 | 106   | 0.00     |
| 47 TP | Methyl cyclohexane        | 0.430   | 0.403    | 6.3  | 93    | 0.00     |
| 48 TP | Trichloroethene           | 0.249   | 0.258    | -3.6 | 104   | 0.00     |
| 50 TP | Dibromomethane            | 0.131   | 0.128    | 2.3  | 105   | 0.00     |
| 51 TC | 1,2-Dichloropropane       | 0.261   | 0.259    | 0.8  | 103   | 0.00     |
| 53 TP | 2-Chloroethyl vinyl ether | 0.134   | 0.123    | 8.2  | 99    | 0.00     |
| 54 TP | Bromodichloromethane      | 0.329   | 0.326    | 0.9  | 104   | 0.00     |
| 57 TP | 1,4-Dioxane               | 0.00132 | 0.00136# | -3.0 | 100   | 0.00     |
| 58 TP | cis-1,3-Dichloropropene   | 0.384   | 0.376    | 2.1  | 103   | 0.00     |
| 59 I  | Chlorobenzene-d5          | 1.000   | 1.000    | 0.0  | 100   | 0.00     |
| 60 S  | Toluene-d8                | 1.273   | 1.270    | 0.2  | 99    | 0.00     |
| 61 TC | Toluene                   | 0.768   | 0.770    | -0.3 | 104   | 0.00     |
| 62 TP | 4-Methyl-2-pentanone      | 0.076   | 0.072    | 5.3  | 99    | 0.00     |
| 63 TP | Tetrachloroethene         | 0.358   | 0.370    | -3.4 | 105   | 0.00     |
| 65 TP | trans-1,3-Dichloropropene | 0.416   | 0.413    | 0.7  | 105   | 0.00     |
| 67 TP | Ethyl methacrylate        | 0.286   | 0.261    | 8.7  | 96    | 0.00     |
| 68 TP | 1,1,2-Trichloroethane     | 0.191   | 0.188#   | 1.6  | 104   | 0.00     |
| 69 TP | Chlorodibromomethane      | 0.314   | 0.309    | 1.6  | 106   | 0.00     |
| 70 TP | 1,3-Dichloropropane       | 0.400   | 0.394    | 1.5  | 104   | 0.00     |
| 71 TP | 1,2-Dibromoethane         | 0.226   | 0.220    | 2.7  | 106   | 0.00     |
| 72 TP | 2-Hexanone                | 0.141   | 0.134    | 5.0  | 96    | 0.00     |
| 73 TP | Chlorobenzene             | 0.887   | 0.876    | 1.2  | 104   | 0.00     |
| 74 TC | Ethylbenzene              | 1.498   | 1.537    | -2.6 | 104   | 0.00     |
| 75 TP | 1,1,1,2-Tetrachloroethane | 0.327   | 0.323    | 1.2  | 103   | 0.00     |
| 76 TP | p/m Xylene                | 0.580   | 0.597    | -2.9 | 104   | 0.00     |
| 77 TP | o Xylene                  | 0.565   | 0.559    | 1.1  | 100   | 0.00     |
| 78 TP | Styrene                   | 0.914   | 0.908    | 0.7  | 99    | 0.00     |
| 79 I  | 1,4-Dichlorobenzene-d4    | 1.000   | 1.000    | 0.0  | 100   | 0.00     |
| 80 TP | Bromoform                 | 0.342   | 0.341    | 0.3  | 108   | 0.00     |
| 82 TP | Isopropylbenzene          | 2.842   | 2.813    | 1.0  | 103   | 0.00     |
| 83 S  | 4-Bromofluorobenzene      | 0.924   | 0.910    | 1.5  | 100   | 0.00     |
| 84 TP | Bromobenzene              | 0.686   | 0.667    | 2.8  | 104   | 0.00     |
| 85 TP | n-Propylbenzene           | 3.304   | 3.355    | -1.5 | 104   | 0.00     |
| 86 TP | 1,4-Dichlorobutane        | 0.807   | 0.742    | 8.1  | 101   | 0.00     |
| 87 TP | 1,1,2,2-Tetrachloroethane | 0.485   | 0.454    | 6.4  | 103   | 0.00     |
| 88 TP | 4-Ethyltoluene            | 2.789   | 2.565    | 8.0  | 94    | 0.00     |

# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B17.d  
 Acq On : 8 Feb 2023 6:59 pm  
 Operator : VOA105:PID  
 Sample : C8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 09 07:01:01 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial 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) |
|--------|-----------------------------|-------|-------|------|-------|----------|
| 89 TP  | 2-Chlorotoluene             | 1.966 | 1.934 | 1.6  | 102   | 0.00     |
| 90 TP  | 1,3,5-Trimethylbenzene      | 2.389 | 2.409 | -0.8 | 103   | 0.00     |
| 91 TP  | 1,2,3-Trichloropropane      | 0.371 | 0.350 | 5.7  | 103   | 0.00     |
| 92 TP  | trans-1,4-Dichloro-2-butene | 0.170 | 0.153 | 10.0 | 98    | 0.00     |
| 93 TP  | 4-Chlorotoluene             | 2.046 | 2.010 | 1.8  | 102   | 0.00     |
| 94 TP  | tert-Butylbenzene           | 2.124 | 2.134 | -0.5 | 104   | 0.00     |
| 97 TP  | 1,2,4-Trimethylbenzene      | 2.359 | 2.422 | -2.7 | 107   | 0.00     |
| 98 TP  | sec-Butylbenzene            | 2.927 | 2.966 | -1.3 | 103   | 0.00     |
| 99 TP  | p-Isopropyltoluene          | 2.649 | 2.702 | -2.0 | 103   | 0.00     |
| 100 TP | 1,3-Dichlorobenzene         | 1.309 | 1.300 | 0.7  | 104   | 0.00     |
| 101 TP | 1,4-Dichlorobenzene         | 1.314 | 1.227 | 6.6  | 99    | 0.00     |
| 102 TP | p-Diethylbenzene            | 1.599 | 1.378 | 13.8 | 90    | 0.00     |
| 103 TP | n-Butylbenzene              | 2.117 | 2.210 | -4.4 | 108   | 0.00     |
| 104 TP | 1,2-Dichlorobenzene         | 1.172 | 1.153 | 1.6  | 103   | 0.00     |
| 105 TP | 1,2,4,5-Tetramethylbenzene  | 2.265 | 2.016 | 11.0 | 92    | 0.00     |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.077 | 0.077 | 0.0  | 109   | 0.00     |
| 107 TP | 1,3,5-Trichlorobenzene      | 0.856 | 0.807 | 5.7  | 98    | 0.00     |
| 108 TP | Hexachlorobutadiene         | 0.342 | 0.328 | 4.1  | 98    | 0.00     |
| 109 TP | 1,2,4-Trichlorobenzene      | 0.694 | 0.703 | -1.3 | 105   | 0.00     |
| 110 TP | Naphthalene                 | 1.376 | 1.388 | -0.9 | 108   | 0.00     |
| 111 TP | 1,2,3-Trichlorobenzene      | 0.550 | 0.563 | -2.4 | 108   | 0.00     |

\* Evaluation of CC level amount vs concentration.  
 (#) = Out of Range SPCC's out = 2 CCC's out = 1

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B17.d  
 Acq On : 8 Feb 2023 6:59 pm  
 Operator : VOA105:PID  
 Sample : C8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 09 07:01:01 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 630408   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 634465     |                |      | Recovery | =      | 99.36%  |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 497102   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 496701     |                |      | Recovery | =      | 100.08% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 277040   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 276585     |                |      | Recovery | =      | 100.16% |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 169977   | 10.155 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 101.55% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 192921   | 10.603 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 106.03% |          |
| 60) Toluene-d8               | 7.465          | 98   | 631384   | 9.979  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 99.79%  |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 252011   | 9.847  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 98.47%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 163994   | 12.096 | ug/L    | # 97     |
| 3) Chloromethane             | 1.743          | 50   | 243566   | 12.088 | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 193480   | 12.449 | ug/L    | 96       |
| 5) Bromomethane              | 2.095          | 94   | 107478   | 13.154 | ug/L    | 98       |
| 6) Chloroethane              | 2.202          | 64   | 102954   | 11.048 | ug/L    | 99       |
| 7) Trichlorofluoromethane    | 2.330          | 101  | 215617   | 11.141 | ug/L    | 99       |
| 8) Ethyl ether               | 2.613          | 74   | 56219    | 11.411 | ug/L    | # 48     |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 136583   | 10.483 | ug/L    | 97       |
| 11) Carbon disulfide         | 2.828          | 76   | 370381   | 8.964  | ug/L    | 100      |
| 12) Freon-113                | 2.828          | 101  | 138109   | 9.912  | ug/L    | 86       |
| 13) Iodomethane              | 2.936          | 142  | 195674   | 9.421  | ug/L    | 90       |
| 14) Acrolein                 | 3.132          | 56   | 15278    | 9.585  | ug/L    | 99       |
| 15) Methylene chloride       | 3.347          | 84   | 155141   | 10.240 | ug/L    | # 71     |
| 17) Acetone                  | 3.405          | 43   | 25666    | 9.075  | ug/L    | 91       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 155120   | 10.344 | ug/L    | 95       |
| 19) Methyl acetate           | 3.503          | 43   | 66583    | 10.149 | ug/L    | # 81     |
| 20) Methyl tert-butyl ether  | 3.572          | 73   | 283828   | 10.112 | ug/L    | # 86     |
| 21) tert-Butyl alcohol       | 3.679          | 59   | 35339    | 45.242 | ug/L    | 94       |
| 22) Diisopropyl ether        | 3.924          | 45   | 489283   | 8.824  | ug/L    | # 89     |
| 23) 1,1-Dichloroethane       | 4.061          | 63   | 299826   | 10.370 | ug/L    | 98       |
| 24) Halothane                | 4.110          | 117  | 117635   | 9.769  | ug/L    | 99       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B17.d  
 Acq On : 8 Feb 2023 6:59 pm  
 Operator : VOA105:PID  
 Sample : C8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 09 07:01:01 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 25) Acrylonitrile             | 4.119  | 53   | 33487    | 10.025  | ug/L  | # 89     |
| 26) Ethyl tert-butyl ether    | 4.256  | 59   | 399598   | 8.951   | ug/L  | 85       |
| 27) Vinyl acetate             | 4.286  | 43   | 267077   | 8.828   | ug/L  | # 93     |
| 28) cis-1,2-Dichloroethene    | 4.569  | 96   | 169274   | 10.116  | ug/L  | 98       |
| 29) 2,2-Dichloropropane       | 4.657  | 77   | 231228   | 9.740   | ug/L  | 91       |
| 30) Bromochloromethane        | 4.755  | 128  | 77678    | 10.192  | ug/L  | # 81     |
| 31) Cyclohexane               | 4.736  | 56   | 280857   | 9.180   | ug/L  | 73       |
| 32) Chloroform                | 4.824  | 83   | 271332   | 10.326  | ug/L  | 95       |
| 33) Ethyl acetate             | 4.941  | 43   | 98190    | 9.777   | ug/L  | # 92     |
| 34) Carbon tetrachloride      | 4.941  | 117  | 224201   | 10.125  | ug/L  | 99       |
| 35) Tetrahydrofuran           | 4.980  | 42   | 26636M6  | 8.764   | ug/L  |          |
| 37) 1,1,1-Trichloroethane     | 5.010  | 97   | 258187   | 10.876  | ug/L  | 96       |
| 39) 2-Butanone                | 5.127  | 43   | 41516    | 8.665   | ug/L  | # 68     |
| 40) 1,1-Dichloropropene       | 5.137  | 75   | 207238   | 10.523  | ug/L  | 94       |
| 41) Benzene                   | 5.371  | 78   | 592522   | 10.164  | ug/L  | # 93     |
| 42) tert-Amyl methyl ether    | 5.479  | 73   | 301656   | 8.781   | ug/L  | 95       |
| 44) 1,2-Dichloroethane        | 5.587  | 62   | 191679   | 10.024  | ug/L  | 98       |
| 47) Methyl cyclohexane        | 5.939  | 83   | 253788   | 9.371   | ug/L  | # 75     |
| 48) Trichloroethene           | 5.968  | 95   | 162816   | 10.371  | ug/L  | 92       |
| 50) Dibromomethane            | 6.408  | 93   | 80666    | 9.737   | ug/L  | 93       |
| 51) 1,2-Dichloropropane       | 6.506  | 63   | 163177   | 9.919   | ug/L  | # 88     |
| 53) 2-Chloroethyl vinyl ether | 7.200  | 63   | 77704    | 9.174   | ug/L  | 91       |
| 54) Bromodichloromethane      | 6.584  | 83   | 205238   | 9.902   | ug/L  | 100      |
| 57) 1,4-Dioxane               | 6.790  | 88   | 42846    | 515.295 | ug/L  | # 79     |
| 58) cis-1,3-Dichloropropene   | 7.259  | 75   | 237299   | 9.803   | ug/L  | # 85     |
| 61) Toluene                   | 7.523  | 92   | 382928   | 10.030  | ug/L  | 100      |
| 62) 4-Methyl-2-pentanone      | 7.963  | 58   | 35686    | 9.486   | ug/L  | # 85     |
| 63) Tetrachloroethene         | 7.963  | 166  | 183830   | 10.337  | ug/L  | 92       |
| 65) trans-1,3-Dichloropropene | 8.012  | 75   | 205281   | 9.918   | ug/L  | 82       |
| 67) Ethyl methacrylate        | 8.198  | 69   | 129970   | 9.140   | ug/L  | 96       |
| 68) 1,1,2-Trichloroethane     | 8.198  | 83   | 93245    | 9.841   | ug/L  | 98       |
| 69) Chlorodibromomethane      | 8.403  | 129  | 153651   | 9.836   | ug/L  | 98       |
| 70) 1,3-Dichloropropane       | 8.511  | 76   | 195730   | 9.838   | ug/L  | 100      |
| 71) 1,2-Dibromoethane         | 8.677  | 107  | 109167   | 9.710   | ug/L  | 100      |
| 72) 2-Hexanone                | 8.971  | 43   | 66701    | 9.488   | ug/L  | 96       |
| 73) Chlorobenzene             | 9.314  | 112  | 435383   | 9.871   | ug/L  | 92       |
| 74) Ethylbenzene              | 9.353  | 91   | 763817   | 10.255  | ug/L  | 94       |
| 75) 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 160784   | 9.897   | ug/L  | 97       |
| 76) p/m Xylene                | 9.539  | 106  | 593087   | 20.586  | ug/L  | 87       |
| 77) o Xylene                  | 10.078 | 106  | 555563   | 19.774  | ug/L  | 86       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B17.d  
 Acq On : 8 Feb 2023 6:59 pm  
 Operator : VOA105:PID  
 Sample : C8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 09 07:01:01 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230208BICAL\V05230208B08.d  
 Sub List : 8260-Curve - Megamix plus Diox

|      | Compound                  | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|------|---------------------------|--------|------|----------|--------|--------|----------|
| 78)  | Styrene                   | 10.156 | 104  | 902752   | 19.873 | ug/L   | 90       |
| 80)  | Bromoform                 | 10.186 | 173  | 94372    | 9.953  | ug/L   | 97       |
| 82)  | Isopropylbenzene          | 10.470 | 105  | 779236   | 9.897  | ug/L   | 94       |
| 84)  | Bromobenzene              | 10.930 | 156  | 184832   | 9.725  | ug/L   | 100      |
| 85)  | n-Propylbenzene           | 10.970 | 91   | 929359   | 10.153 | ug/L   | 94       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 205618   | 9.200  | ug/L   | 90       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 125663   | 9.352  | ug/L   | 99       |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 710701   | 9.198  | ug/L   | 95       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 535713M6 | 9.835  | ug/L   |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.195 | 105  | 667462   | 10.086 | ug/L   | 93       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 96931M1  | 9.428  | ug/L   |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 42354    | 8.987  | ug/L # | 78       |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 556734M6 | 9.822  | ug/L   |          |
| 94)  | tert-Butylbenzene         | 11.538 | 119  | 591229   | 10.047 | ug/L   | 97       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 671085   | 10.270 | ug/L   | 94       |
| 98)  | sec-Butylbenzene          | 11.734 | 105  | 821777   | 10.135 | ug/L   | 96       |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 748438   | 10.200 | ug/L   | 95       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 360154   | 9.932  | ug/L   | 98       |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 339974   | 9.339  | ug/L   | 98       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 381820   | 8.621  | ug/L   | 97       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 612319   | 10.443 | ug/L   | 97       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 319390   | 9.837  | ug/L   | 98       |
| 105) | 1,2,4,5-Tetramethylben... | 13.066 | 119  | 558430   | 8.899  | ug/L   | 94       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.272 | 155  | 21381    | 10.053 | ug/L   | 96       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 223680   | 9.436  | ug/L   | 97       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 90796    | 9.590  | ug/L   | 100      |
| 109) | 1,2,4-Trichlorobenzene    | 13.899 | 180  | 194653   | 10.117 | ug/L   | 99       |
| 110) | Naphthalene               | 14.192 | 128  | 384529   | 10.090 | ug/L   | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.359 | 180  | 156084   | 10.238 | ug/L   | 100      |

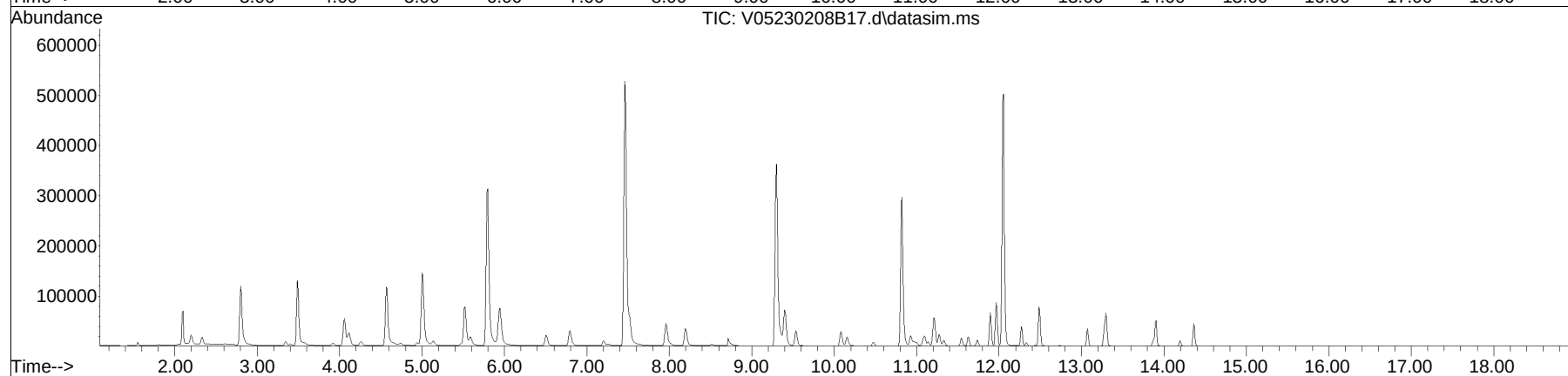
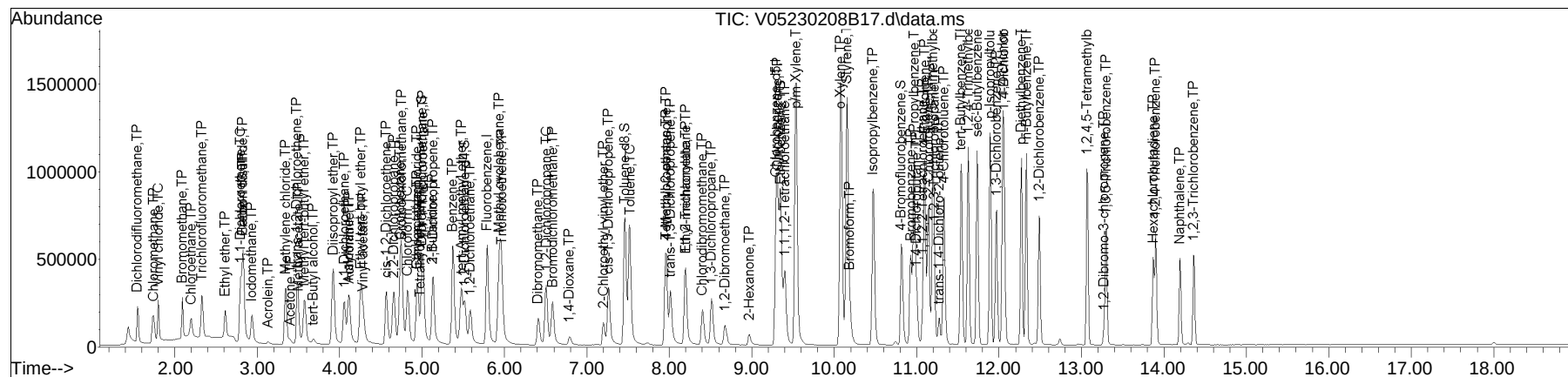
(#) = qualifier out of range (m) = manual integration (+) = signals summed

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230208BICAL\  
 Data File : V05230208B17.d  
 Acq On : 8 Feb 2023 6:59 pm  
 Operator : VOA105:PID  
 Sample : C8260STD10PPB  
 Misc : WG1742505,ICAL (Sig #1); WG,ICAL (Sig #2)  
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 09 07:01:01 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230208BICAL\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30208BICAL\V05230208B08.d•

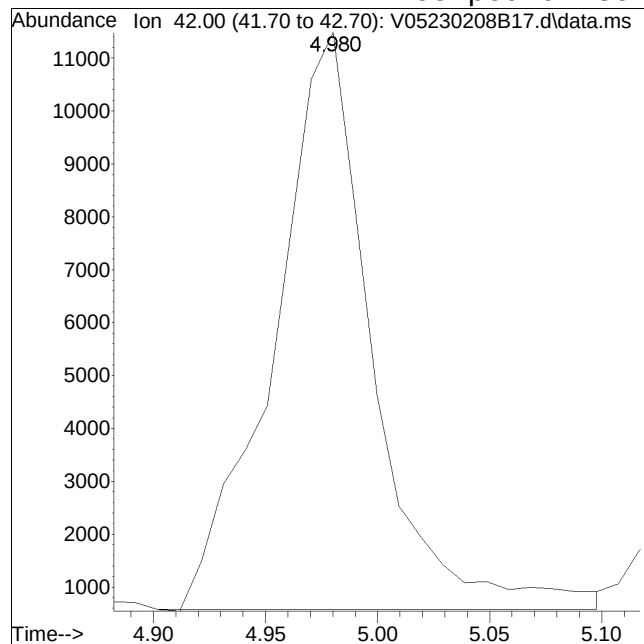




# Manual Integration Report

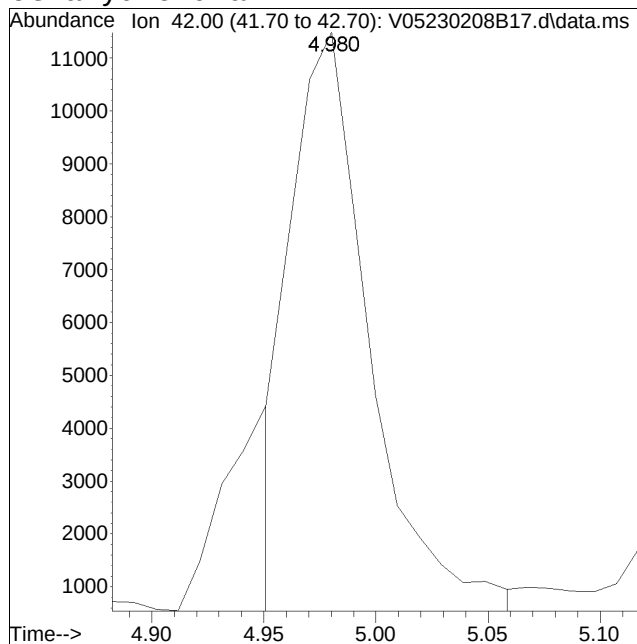
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230208B17.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 6:59 pm Instrument : VOA 105  
Sample : C8260STD10PPB Quant Date : 2/9/2023 6:59 am

## Compound #35: Tetrahydrofuran



Original Peak Response = 33255

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

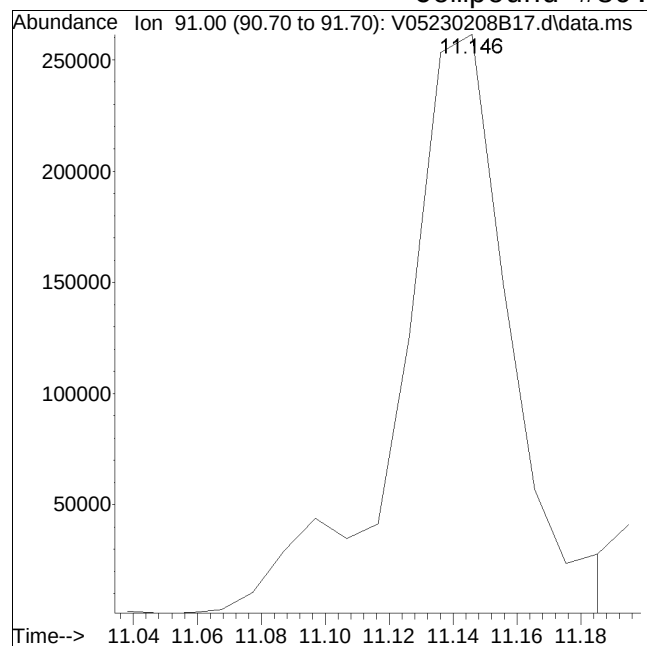


Manual Peak Response = 26636 M6

# Manual Integration Report

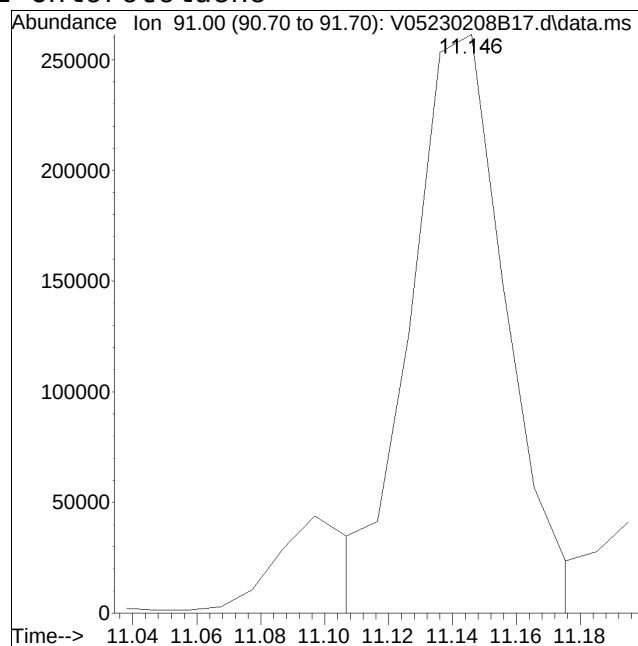
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B17.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 6:59 pm Instrument : VOA 105  
Sample : C8260STD10PPB Quant Date : 2/9/2023 6:59 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 613683

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

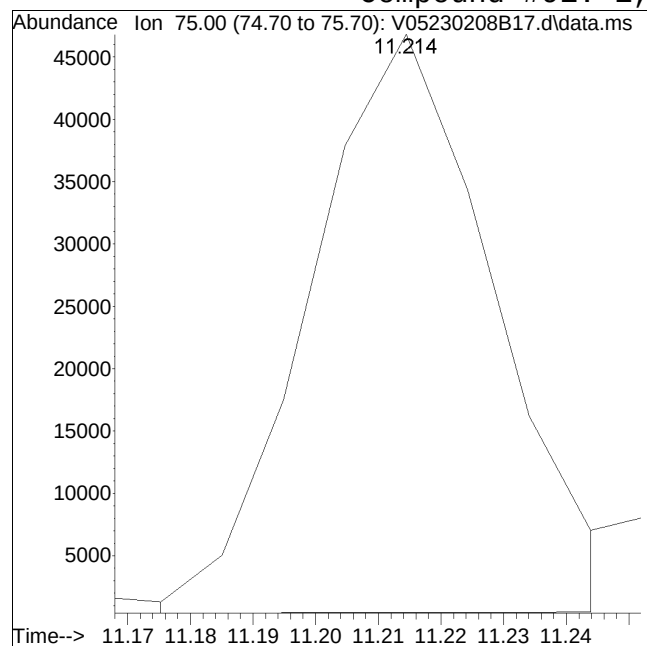


Manual Peak Response = 535713 M6

# Manual Integration Report

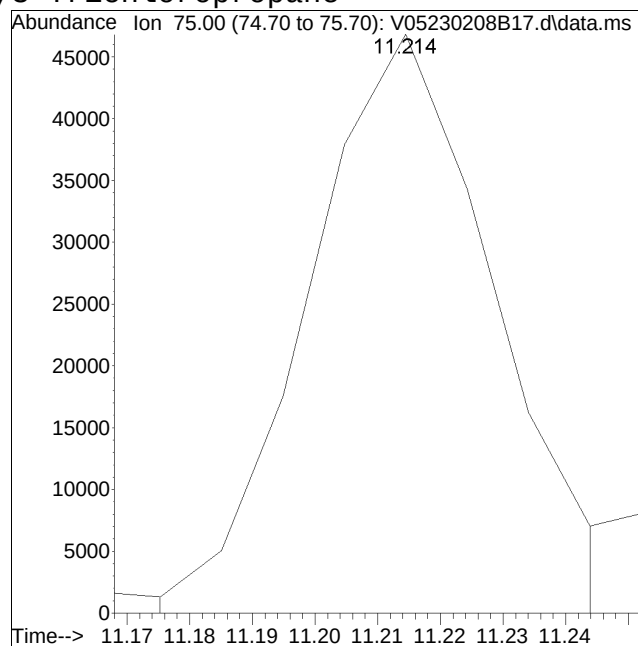
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B17.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 6:59 pm Instrument : VOA 105  
Sample : C8260STD10PPB Quant Date : 2/9/2023 6:59 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 95077

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

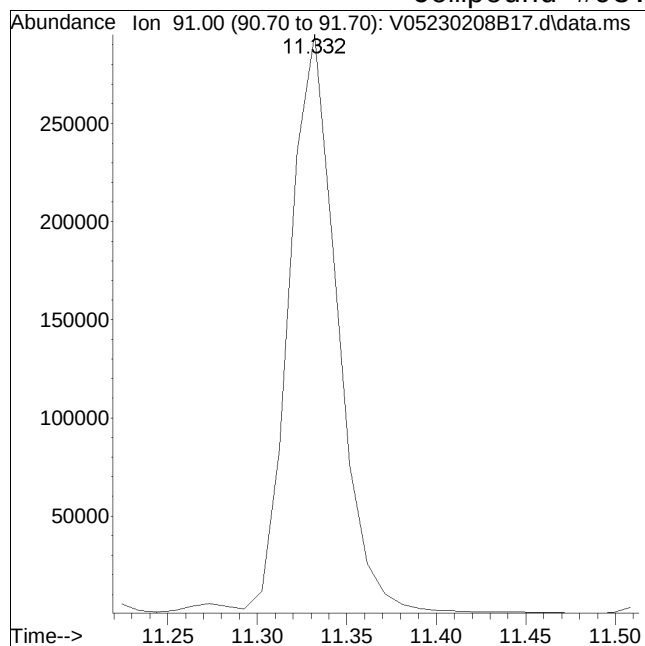


Manual Peak Response = 96931 M1

# Manual Integration Report

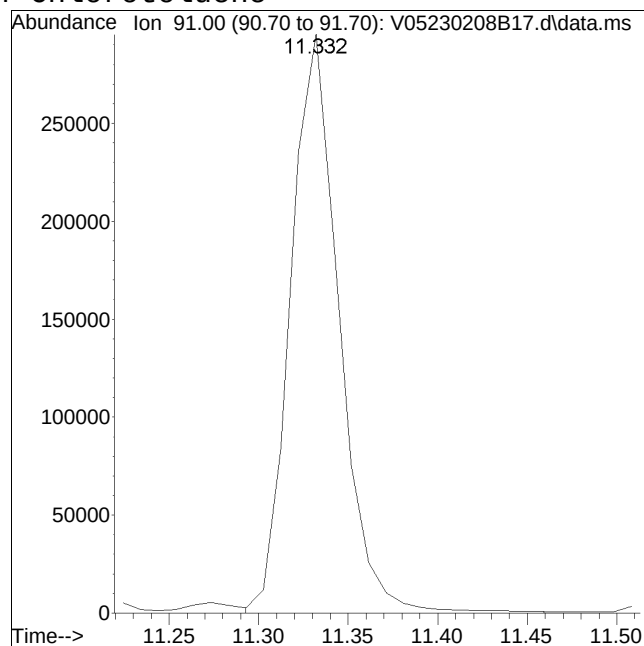
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230208B17.d Operator : VOA105:PID  
Date Inj'd : 2/8/2023 6:59 pm Instrument : VOA 105  
Sample : C8260STD10PPB Quant Date : 2/9/2023 6:59 am

## Compound #93: 4-Chlorotoluene



Original Peak Response = 560216

M6 = Misassignment of peak valley by



Manual Peak Response = 556734 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

## **Continuing Calibration**

# Calibration Verification Summary

## Form 7

### Volatiles

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Instrument ID : VOA105  
 Lab File ID : V05230405A01  
 Sample No : WG1763545-2  
 Channel :

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Calibration Date : 04/05/23 06:58  
 Init. Calib. Date(s) : 02/08/23 02/08/23  
 Init. Calib. Times : 13:34 17:03

| Compound                 | Ave. RRF | RRF   | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|-------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1     | -       | 0      | 20     | 63    | 0        |
| Dichlorodifluoromethane  | 0.215    | 0.273 | -       | -27*   | 20     | 83    | 0        |
| Chloromethane            | 0.32     | 0.352 | -       | -10    | 20     | 73    | 0        |
| Vinyl chloride           | 0.247    | 0.324 | -       | -31.2* | 20     | 83    | 0        |
| Bromomethane             | 0.13     | 0.107 | -       | 17.7   | 20     | 57    | 0        |
| Chloroethane             | 0.148    | 0.202 | -       | -36.5* | 20     | 87    | 0        |
| Trichlorofluoromethane   | 0.307    | 0.444 | -       | -44.6* | 20     | 95    | 0        |
| Ethyl ether              | 0.078    | 0.086 | -       | -10.3  | 20     | 72    | 0        |
| 1,1-Dichloroethene       | 0.207    | 0.242 | -       | -16.9  | 20     | 77    | 0        |
| Carbon disulfide         | 0.655    | 0.703 | -       | -7.3   | 20     | 69    | 0        |
| Freon-113                | 0.221    | 0.266 | -       | -20.4* | 20     | 76    | 0        |
| Acrolein                 | 0.025    | 0.028 | -       | -12    | 20     | 74    | 0        |
| Methylene chloride       | 0.24     | 0.255 | -       | -6.3   | 20     | 71    | 0        |
| Acetone                  | 0.045    | 0.039 | -       | 13.3   | 20     | 68    | 0        |
| trans-1,2-Dichloroethene | 0.238    | 0.263 | -       | -10.5  | 20     | 72    | 0        |
| Methyl acetate           | 0.104    | 0.095 | -       | 8.7    | 20     | 61    | 0        |
| Methyl tert-butyl ether  | 0.445    | 0.425 | -       | 4.5    | 20     | 63    | 0        |
| tert-Butyl alcohol       | 0.012    | 0.011 | -       | 8.3    | 20     | 58    | 0        |
| Diisopropyl ether        | 0.88     | 0.894 | -       | -1.6   | 20     | 67    | 0        |
| 1,1-Dichloroethane       | 0.459    | 0.543 | -       | -18.3  | 20     | 77    | 0        |
| Halothane                | 0.191    | 0.199 | -       | -4.2   | 20     | 68    | 0        |
| Acrylonitrile            | 0.053    | 0.055 | -       | -3.8   | 20     | 73    | 0        |
| Ethyl tert-butyl ether   | 0.708    | 0.726 | -       | -2.5   | 20     | 68    | 0        |
| Vinyl acetate            | 0.48     | 0.471 | -       | 1.9    | 20     | 66    | 0        |
| cis-1,2-Dichloroethene   | 0.265    | 0.286 | -       | -7.9   | 20     | 70    | 0        |
| 2,2-Dichloropropane      | 0.377    | 0.436 | -       | -15.6  | 20     | 74    | 0        |
| Bromochloromethane       | 0.121    | 0.125 | -       | -3.3   | 20     | 66    | 0        |
| Cyclohexane              | 0.485    | 0.632 | -       | -30.3* | 20     | 84    | 0        |
| Chloroform               | 0.417    | 0.464 | -       | -11.3  | 20     | 72    | 0        |
| Ethyl acetate            | 0.159    | 0.138 | -       | 13.2   | 20     | 61    | 0        |
| Carbon tetrachloride     | 0.351    | 0.41  | -       | -16.8  | 20     | 78    | 0        |
| Tetrahydrofuran          | 0.048    | 0.044 | -       | 8.3    | 20     | 62    | 0        |
| Dibromofluoromethane     | 0.266    | 0.287 | -       | -7.9   | 20     | 67    | 0        |
| 1,1,1-Trichloroethane    | 0.377    | 0.445 | -       | -18    | 20     | 76    | 0        |
| 2-Butanone               | 0.076    | 0.065 | -       | 14.5   | 20     | 55    | 0        |
| 1,1-Dichloropropene      | 0.312    | 0.355 | -       | -13.8  | 20     | 73    | 0        |
| Benzene                  | 0.925    | 0.955 | -       | -3.2   | 20     | 68    | 0        |
| tert-Amyl methyl ether   | 0.545    | 0.472 | -       | 13.4   | 20     | 59    | 0        |
| 1,2-Dichloroethane-d4    | 0.289    | 0.35  | -       | -21.1* | 20     | 73    | 0        |
| 1,2-Dichloroethane       | 0.303    | 0.339 | -       | -11.9  | 20     | 75    | 0        |
| Methyl cyclohexane       | 0.43     | 0.477 | -       | -10.9  | 20     | 70    | 0        |
| Trichloroethene          | 0.249    | 0.291 | -       | -16.9  | 20     | 74    | 0        |
| Dibromomethane           | 0.131    | 0.121 | -       | 7.6    | 20     | 64    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Instrument ID : VOA105  
 Lab File ID : V05230405A01  
 Sample No : WG1763545-2  
 Channel :

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Calibration Date : 04/05/23 06:58  
 Init. Calib. Date(s) : 02/08/23 02/08/23  
 Init. Calib. Times : 13:34 17:03

| Compound                   | Ave. RRF | RRF      | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|-------|--------|-------|----------|
| 1,2-Dichloropropane        | 0.261    | 0.283    | -       | -8.4  | 20     | 72    | 0        |
| Bromodichloromethane       | 0.329    | 0.336    | -       | -2.1  | 20     | 68    | 0        |
| 1,4-Dioxane                | 0.00132  | 0.00127* | -       | 3.8   | 20     | 59    | 0        |
| cis-1,3-Dichloropropene    | 0.384    | 0.373    | -       | 2.9   | 20     | 65    | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0     | 20     | 66    | 0        |
| Toluene-d8                 | 1.273    | 1.307    | -       | -2.7  | 20     | 68    | 0        |
| Toluene                    | 0.768    | 0.764    | -       | 0.5   | 20     | 68    | 0        |
| 4-Methyl-2-pentanone       | 0.076    | 0.061    | -       | 19.7  | 20     | 56    | 0        |
| Tetrachloroethene          | 0.358    | 0.408    | -       | -14   | 20     | 77    | 0        |
| trans-1,3-Dichloropropene  | 0.416    | 0.382    | -       | 8.2   | 20     | 64    | 0        |
| Ethyl methacrylate         | 0.286    | 0.225    | -       | 21.3* | 20     | 55    | 0        |
| 1,1,2-Trichloroethane      | 0.191    | 0.175*   | -       | 8.4   | 20     | 64    | 0        |
| Chlorodibromomethane       | 0.314    | 0.281    | -       | 10.5  | 20     | 64    | 0        |
| 1,3-Dichloropropane        | 0.4      | 0.365    | -       | 8.8   | 20     | 64    | 0        |
| 1,2-Dibromoethane          | 0.226    | 0.199*   | -       | 11.9  | 20     | 64    | 0        |
| 2-Hexanone                 | 0.141    | 0.105    | -       | 25.5* | 20     | 50    | 0        |
| Chlorobenzene              | 0.887    | 0.889    | -       | -0.2  | 20     | 70    | 0        |
| Ethylbenzene               | 1.498    | 1.523    | -       | -1.7  | 20     | 68    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.327    | 0.313    | -       | 4.3   | 20     | 66    | 0        |
| p/m Xylene                 | 0.58     | 0.593    | -       | -2.2  | 20     | 68    | 0        |
| o Xylene                   | 0.565    | 0.564    | -       | 0.2   | 20     | 67    | 0        |
| Styrene                    | 0.914    | 0.914    | -       | 0     | 20     | 66    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0     | 20     | 69    | 0        |
| Bromoform                  | 0.342    | 0.278    | -       | 18.7  | 20     | 60    | 0        |
| Isopropylbenzene           | 2.842    | 2.758    | -       | 3     | 20     | 69    | 0        |
| 4-Bromofluorobenzene       | 0.924    | 0.852    | -       | 7.8   | 20     | 65    | 0        |
| Bromobenzene               | 0.686    | 0.645    | -       | 6     | 20     | 69    | 0        |
| n-Propylbenzene            | 3.304    | 3.244    | -       | 1.8   | 20     | 69    | 0        |
| 1,4-Dichlorobutane         | 0.807    | 0.745    | -       | 7.7   | 20     | 69    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.485    | 0.386    | -       | 20.4* | 20     | 60    | 0        |
| 4-Ethyltoluene             | 2.789    | 2.699    | -       | 3.2   | 20     | 68    | 0        |
| 2-Chlorotoluene            | 1.966    | 1.888    | -       | 4     | 20     | 68    | 0        |
| 1,3,5-Trimethylbenzene     | 2.389    | 2.299    | -       | 3.8   | 20     | 68    | 0        |
| 1,2,3-Trichloropropane     | 0.371    | 0.303    | -       | 18.3  | 20     | 61    | 0        |
| trans-1,4-Dichloro-2-buten | 0.17     | 0.139    | -       | 18.2  | 20     | 61    | 0        |
| 4-Chlorotoluene            | 2.046    | 1.949    | -       | 4.7   | 20     | 68    | 0        |
| tert-Butylbenzene          | 2.124    | 2.116    | -       | 0.4   | 20     | 71    | 0        |
| 1,2,4-Trimethylbenzene     | 2.359    | 2.202    | -       | 6.7   | 20     | 67    | 0        |
| sec-Butylbenzene           | 2.927    | 2.901    | -       | 0.9   | 20     | 69    | 0        |
| p-Isopropyltoluene         | 2.649    | 2.671    | -       | -0.8  | 20     | 70    | 0        |
| 1,3-Dichlorobenzene        | 1.309    | 1.285    | -       | 1.8   | 20     | 71    | 0        |
| 1,4-Dichlorobenzene        | 1.314    | 1.267    | -       | 3.6   | 20     | 70    | 0        |
| p-Diethylbenzene           | 1.599    | 1.561    | -       | 2.4   | 20     | 70    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : Benchmark & Turnkey Companies  
 Project Name : 293 PATRIOT WAY  
 Instrument ID : VOA105  
 Lab File ID : V05230405A01  
 Sample No : WG1763545-2  
 Channel :

Lab Number : L2316882  
 Project Number : 0127-023-001  
 Calibration Date : 04/05/23 06:58  
 Init. Calib. Date(s) : 02/08/23 02/08/23  
 Init. Calib. Times : 13:34 17:03

| Compound                   | Ave. RRF | RRF   | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|-------|--------|-------|----------|
| n-Butylbenzene             | 2.117    | 2.057 | -       | 2.8   | 20     | 69    | 0        |
| 1,2-Dichlorobenzene        | 1.172    | 1.118 | -       | 4.6   | 20     | 69    | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.265    | 2.039 | -       | 10    | 20     | 64    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.077    | 0.054 | -       | 29.9* | 20     | 53    | 0        |
| 1,3,5-Trichlorobenzene     | 0.856    | 0.82  | -       | 4.2   | 20     | 68    | 0        |
| Hexachlorobutadiene        | 0.342    | 0.348 | -       | -1.8  | 20     | 71    | 0        |
| 1,2,4-Trichlorobenzene     | 0.694    | 0.621 | -       | 10.5  | 20     | 64    | 0        |
| Naphthalene                | 1.376    | 0.967 | -       | 29.7* | 20     | 52    | 0        |
| 1,2,3-Trichlorobenzene     | 0.55     | 0.467 | -       | 15.1  | 20     | 62    | 0        |

\* Value outside of QC limits.





# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-2  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial 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) |
|-------|--------------------------|-------|-------|--------|-------|----------|
| 1 I   | Fluorobenzene            | 1.000 | 1.000 | 0.0    | 63    | 0.00     |
| 2 TP  | Dichlorodifluoromethane  | 0.215 | 0.273 | -27.0# | 83    | 0.00     |
| 3 TP  | Chloromethane            | 0.320 | 0.352 | -10.0  | 73    | 0.00     |
| 4 TC  | Vinyl chloride           | 0.247 | 0.324 | -31.2# | 83    | 0.00     |
| 5 TP  | Bromomethane             | 0.130 | 0.107 | 17.7   | 57    | 0.00     |
| 6 TP  | Chloroethane             | 0.148 | 0.202 | -36.5# | 87    | 0.00     |
| 7 TP  | Trichlorofluoromethane   | 0.307 | 0.444 | -44.6# | 95    | 0.00     |
| 8 TP  | Ethyl ether              | 0.078 | 0.086 | -10.3  | 72    | 0.00     |
| 10 TC | 1,1-Dichloroethene       | 0.207 | 0.242 | -16.9  | 77    | 0.00     |
| 11 TP | Carbon disulfide         | 0.655 | 0.703 | -7.3   | 69    | 0.00     |
| 12 TP | Freon-113                | 0.221 | 0.266 | -20.4# | 76    | 0.00     |
| 14 TP | Acrolein                 | 0.025 | 0.028 | -12.0  | 74    | 0.00     |
| 15 TP | Methylene chloride       | 0.240 | 0.255 | -6.3   | 71    | 0.00     |
| 17 TP | Acetone                  | 0.045 | 0.039 | 13.3   | 68    | 0.00     |
| 18 TP | trans-1,2-Dichloroethene | 0.238 | 0.263 | -10.5  | 72    | 0.00     |
| 19 TP | Methyl acetate           | 0.104 | 0.095 | 8.7    | 61    | 0.00     |
| 20 TP | Methyl tert-butyl ether  | 0.445 | 0.425 | 4.5    | 63    | 0.00     |
| 21 TP | tert-Butyl alcohol       | 0.012 | 0.011 | 8.3    | 58    | 0.00     |
| 22 TP | Diisopropyl ether        | 0.880 | 0.894 | -1.6   | 67    | 0.00     |
| 23 TP | 1,1-Dichloroethane       | 0.459 | 0.543 | -18.3  | 77    | 0.00     |
| 24 TP | Halothane                | 0.191 | 0.199 | -4.2   | 68    | 0.00     |
| 25 TP | Acrylonitrile            | 0.053 | 0.055 | -3.8   | 73    | 0.00     |
| 26 TP | Ethyl tert-butyl ether   | 0.708 | 0.726 | -2.5   | 68    | 0.00     |
| 27 TP | Vinyl acetate            | 0.480 | 0.471 | 1.9    | 66    | 0.00     |
| 28 TP | cis-1,2-Dichloroethene   | 0.265 | 0.286 | -7.9   | 70    | 0.00     |
| 29 TP | 2,2-Dichloropropane      | 0.377 | 0.436 | -15.6  | 74    | 0.00     |
| 30 TP | Bromochloromethane       | 0.121 | 0.125 | -3.3   | 66    | 0.00     |
| 31 TP | Cyclohexane              | 0.485 | 0.632 | -30.3# | 84    | 0.00     |
| 32 TC | Chloroform               | 0.417 | 0.464 | -11.3  | 72    | 0.00     |
| 33 TP | Ethyl acetate            | 0.159 | 0.138 | 13.2   | 61    | 0.00     |
| 34 TP | Carbon tetrachloride     | 0.351 | 0.410 | -16.8  | 78    | 0.00     |
| 35 TP | Tetrahydrofuran          | 0.048 | 0.044 | 8.3    | 62    | 0.00     |
| 36 S  | Dibromofluoromethane     | 0.266 | 0.287 | -7.9   | 67    | 0.00     |
| 37 TP | 1,1,1-Trichloroethane    | 0.377 | 0.445 | -18.0  | 76    | 0.00     |
| 39 TP | 2-Butanone               | 0.076 | 0.065 | 14.5   | 55    | 0.00     |
| 40 TP | 1,1-Dichloropropene      | 0.312 | 0.355 | -13.8  | 73    | 0.00     |
| 41 TP | Benzene                  | 0.925 | 0.955 | -3.2   | 68    | 0.00     |
| 42 TP | tert-Amyl methyl ether   | 0.545 | 0.472 | 13.4   | 59    | 0.00     |
| 43 S  | 1,2-Dichloroethane-d4    | 0.289 | 0.350 | -21.1# | 73    | 0.00     |

# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-2  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial 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) |
|-------|---------------------------|---------|----------|-------|-------|----------|
| 44 TP | 1,2-Dichloroethane        | 0.303   | 0.339    | -11.9 | 75    | 0.00     |
| 47 TP | Methyl cyclohexane        | 0.430   | 0.477    | -10.9 | 70    | 0.00     |
| 48 TP | Trichloroethene           | 0.249   | 0.291    | -16.9 | 74    | 0.00     |
| 50 TP | Dibromomethane            | 0.131   | 0.121    | 7.6   | 64    | 0.00     |
| 51 TC | 1,2-Dichloropropane       | 0.261   | 0.283    | -8.4  | 72    | 0.00     |
| 54 TP | Bromodichloromethane      | 0.329   | 0.336    | -2.1  | 68    | 0.00     |
| 57 TP | 1,4-Dioxane               | 0.00132 | 0.00127# | 3.8   | 59    | 0.00     |
| 58 TP | cis-1,3-Dichloropropene   | 0.384   | 0.373    | 2.9   | 65    | 0.00     |
| 59 I  | Chlorobenzene-d5          | 1.000   | 1.000    | 0.0   | 66    | 0.00     |
| 60 S  | Toluene-d8                | 1.273   | 1.307    | -2.7  | 68    | 0.00     |
| 61 TC | Toluene                   | 0.768   | 0.764    | 0.5   | 68    | 0.00     |
| 62 TP | 4-Methyl-2-pentanone      | 0.076   | 0.061    | 19.7  | 56    | 0.00     |
| 63 TP | Tetrachloroethene         | 0.358   | 0.408    | -14.0 | 77    | 0.00     |
| 65 TP | trans-1,3-Dichloropropene | 0.416   | 0.382    | 8.2   | 64    | 0.00     |
| 67 TP | Ethyl methacrylate        | 0.286   | 0.225    | 21.3# | 55    | 0.00     |
| 68 TP | 1,1,2-Trichloroethane     | 0.191   | 0.175#   | 8.4   | 64    | 0.00     |
| 69 TP | Chlorodibromomethane      | 0.314   | 0.281    | 10.5  | 64    | 0.00     |
| 70 TP | 1,3-Dichloropropane       | 0.400   | 0.365    | 8.8   | 64    | 0.00     |
| 71 TP | 1,2-Dibromoethane         | 0.226   | 0.199#   | 11.9  | 64    | 0.00     |
| 72 TP | 2-Hexanone                | 0.141   | 0.105    | 25.5# | 50#   | 0.00     |
| 73 TP | Chlorobenzene             | 0.887   | 0.889    | -0.2  | 70    | 0.00     |
| 74 TC | Ethylbenzene              | 1.498   | 1.523    | -1.7  | 68    | 0.00     |
| 75 TP | 1,1,1,2-Tetrachloroethane | 0.327   | 0.313    | 4.3   | 66    | 0.00     |
| 76 TP | p/m Xylene                | 0.580   | 0.593    | -2.2  | 68    | 0.00     |
| 77 TP | o Xylene                  | 0.565   | 0.564    | 0.2   | 67    | 0.00     |
| 78 TP | Styrene                   | 0.914   | 0.914    | 0.0   | 66    | 0.00     |
| 79 I  | 1,4-Dichlorobenzene-d4    | 1.000   | 1.000    | 0.0   | 69    | 0.00     |
| 80 TP | Bromoform                 | 0.342   | 0.278    | 18.7  | 60    | 0.00     |
| 82 TP | Isopropylbenzene          | 2.842   | 2.758    | 3.0   | 69    | 0.00     |
| 83 S  | 4-Bromofluorobenzene      | 0.924   | 0.852    | 7.8   | 65    | 0.00     |
| 84 TP | Bromobenzene              | 0.686   | 0.645    | 6.0   | 69    | 0.00     |
| 85 TP | n-Propylbenzene           | 3.304   | 3.244    | 1.8   | 69    | 0.00     |
| 86 TP | 1,4-Dichlorobutane        | 0.807   | 0.745    | 7.7   | 69    | 0.00     |
| 87 TP | 1,1,2,2-Tetrachloroethane | 0.485   | 0.386    | 20.4# | 60    | 0.00     |
| 88 TP | 4-Ethyltoluene            | 2.789   | 2.699    | 3.2   | 68    | 0.00     |
| 89 TP | 2-Chlorotoluene           | 1.966   | 1.888    | 4.0   | 68    | 0.00     |
| 90 TP | 1,3,5-Trimethylbenzene    | 2.389   | 2.299    | 3.8   | 68    | 0.00     |

# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-2  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial 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) |
|--------|-----------------------------|-------|-------|-------|-------|----------|
| 91 TP  | 1,2,3-Trichloropropane      | 0.371 | 0.303 | 18.3  | 61    | 0.00     |
| 92 TP  | trans-1,4-Dichloro-2-butene | 0.170 | 0.139 | 18.2  | 61    | 0.00     |
| 93 TP  | 4-Chlorotoluene             | 2.046 | 1.949 | 4.7   | 68    | 0.00     |
| 94 TP  | tert-Butylbenzene           | 2.124 | 2.116 | 0.4   | 71    | 0.00     |
| 97 TP  | 1,2,4-Trimethylbenzene      | 2.359 | 2.202 | 6.7   | 67    | 0.00     |
| 98 TP  | sec-Butylbenzene            | 2.927 | 2.901 | 0.9   | 69    | 0.00     |
| 99 TP  | p-Isopropyltoluene          | 2.649 | 2.671 | -0.8  | 70    | 0.00     |
| 100 TP | 1,3-Dichlorobenzene         | 1.309 | 1.285 | 1.8   | 71    | 0.00     |
| 101 TP | 1,4-Dichlorobenzene         | 1.314 | 1.267 | 3.6   | 70    | 0.00     |
| 102 TP | p-Diethylbenzene            | 1.599 | 1.561 | 2.4   | 70    | 0.00     |
| 103 TP | n-Butylbenzene              | 2.117 | 2.057 | 2.8   | 69    | 0.00     |
| 104 TP | 1,2-Dichlorobenzene         | 1.172 | 1.118 | 4.6   | 69    | 0.00     |
| 105 TP | 1,2,4,5-Tetramethylbenzene  | 2.265 | 2.039 | 10.0  | 64    | 0.00     |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.077 | 0.054 | 29.9# | 53    | 0.00     |
| 107 TP | 1,3,5-Trichlorobenzene      | 0.856 | 0.820 | 4.2   | 68    | 0.00     |
| 108 TP | Hexachlorobutadiene         | 0.342 | 0.348 | -1.8  | 71    | 0.00     |
| 109 TP | 1,2,4-Trichlorobenzene      | 0.694 | 0.621 | 10.5  | 64    | 0.00     |
| 110 TP | Naphthalene                 | 1.376 | 0.967 | 29.7# | 52    | 0.00     |
| 111 TP | 1,2,3-Trichlorobenzene      | 0.550 | 0.467 | 15.1  | 62    | 0.00     |

\* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 3 CCC's out = 1

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-2  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 400859   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 400859     |                |      | Recovery | =      | 100.00% |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 328581   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 328581     |                |      | Recovery | =      | 100.00% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 190093   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 190093     |                |      | Recovery | =      | 100.00% |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 115061   | 10.811 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 108.11% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 140390   | 12.135 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 121.35% |          |
| 60) Toluene-d8               | 7.455          | 98   | 429473   | 10.269 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 102.69% |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 161979   | 9.224  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 92.24%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 109513   | 12.703 | ug/L    | 98       |
| 3) Chloromethane             | 1.733          | 50   | 141295   | 11.028 | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 129824   | 13.137 | ug/L    | 95       |
| 5) Bromomethane              | 2.095          | 94   | 43008    | 8.278  | ug/L    | 99       |
| 6) Chloroethane              | 2.202          | 64   | 81103    | 13.686 | ug/L    | 94       |
| 7) Trichlorofluoromethane    | 2.329          | 101  | 177897   | 14.456 | ug/L    | 100      |
| 8) Ethyl ether               | 2.613          | 74   | 34458    | 10.999 | ug/L #  | 48       |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 96854    | 11.691 | ug/L    | 87       |
| 11) Carbon disulfide         | 2.828          | 76   | 281610   | 10.718 | ug/L    | 99       |
| 12) Freon-113                | 2.828          | 101  | 106465   | 12.017 | ug/L    | 88       |
| 14) Acrolein                 | 3.122          | 56   | 11273    | 11.122 | ug/L    | 95       |
| 15) Methylene chloride       | 3.347          | 84   | 102184   | 10.606 | ug/L #  | 61       |
| 17) Acetone                  | 3.396          | 43   | 15491    | 8.614  | ug/L #  | 80       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 105258   | 11.039 | ug/L    | 86       |
| 19) Methyl acetate           | 3.503          | 43   | 38115    | 9.137  | ug/L #  | 85       |
| 20) Methyl tert-butyl ether  | 3.572          | 73   | 170210   | 9.537  | ug/L #  | 82       |
| 21) tert-Butyl alcohol       | 3.679          | 59   | 21401    | 43.087 | ug/L #  | 82       |
| 22) Diisopropyl ether        | 3.914          | 45   | 358375   | 10.164 | ug/L #  | 86       |
| 23) 1,1-Dichloroethane       | 4.051          | 63   | 217834   | 11.848 | ug/L    | 95       |
| 24) Halothane                | 4.110          | 117  | 79768    | 10.418 | ug/L    | 98       |
| 25) Acrylonitrile            | 4.119          | 53   | 22096    | 10.402 | ug/L    | 90       |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-2  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 26) Ethyl tert-butyl ether    | 4.256  | 59   | 290924   | 10.248  | ug/L   | 84       |
| 27) Vinyl acetate             | 4.286  | 43   | 188755   | 9.812   | ug/L # | 92       |
| 28) cis-1,2-Dichloroethene    | 4.559  | 96   | 114534   | 10.764  | ug/L   | 90       |
| 29) 2,2-Dichloropropane       | 4.657  | 77   | 174768   | 11.578  | ug/L   | 91       |
| 30) Bromochloromethane        | 4.755  | 128  | 50036    | 10.324  | ug/L # | 72       |
| 31) Cyclohexane               | 4.736  | 56   | 253284   | 13.020  | ug/L # | 63       |
| 32) Chloroform                | 4.824  | 83   | 185910   | 11.127  | ug/L   | 95       |
| 33) Ethyl acetate             | 4.931  | 43   | 55246    | 8.651   | ug/L # | 93       |
| 34) Carbon tetrachloride      | 4.941  | 117  | 164448   | 11.680  | ug/L   | 98       |
| 35) Tetrahydrofuran           | 4.970  | 42   | 17546M6  | 9.079   | ug/L   |          |
| 37) 1,1,1-Trichloroethane     | 5.009  | 97   | 178311   | 11.812  | ug/L   | 94       |
| 39) 2-Butanone                | 5.117  | 43   | 25900    | 8.501   | ug/L # | 67       |
| 40) 1,1-Dichloropropene       | 5.127  | 75   | 142310   | 11.364  | ug/L   | 96       |
| 41) Benzene                   | 5.371  | 78   | 382954   | 10.330  | ug/L # | 89       |
| 42) tert-Amyl methyl ether    | 5.479  | 73   | 189271   | 8.665   | ug/L   | 95       |
| 44) 1,2-Dichloroethane        | 5.586  | 62   | 135993   | 11.185  | ug/L   | 98       |
| 47) Methyl cyclohexane        | 5.939  | 83   | 191326   | 11.110  | ug/L # | 58       |
| 48) Trichloroethene           | 5.958  | 95   | 116665   | 11.687  | ug/L   | 95       |
| 50) Dibromomethane            | 6.408  | 93   | 48695    | 9.244   | ug/L   | 84       |
| 51) 1,2-Dichloropropane       | 6.506  | 63   | 113598   | 10.859  | ug/L # | 88       |
| 54) Bromodichloromethane      | 6.584  | 83   | 134663   | 10.218  | ug/L   | 100      |
| 57) 1,4-Dioxane               | 6.789  | 88   | 25439    | 481.145 | ug/L # | 69       |
| 58) cis-1,3-Dichloropropene   | 7.259  | 75   | 149532   | 9.715   | ug/L # | 89       |
| 61) Toluene                   | 7.513  | 92   | 250991   | 9.946   | ug/L   | 99       |
| 62) 4-Methyl-2-pentanone      | 7.963  | 58   | 20154    | 8.105   | ug/L # | 86       |
| 63) Tetrachloroethene         | 7.953  | 166  | 134074   | 11.406  | ug/L   | 91       |
| 65) trans-1,3-Dichloropropene | 8.012  | 75   | 125436   | 9.169   | ug/L   | 89       |
| 67) Ethyl methacrylate        | 8.198  | 69   | 73945    | 7.867   | ug/L   | 100      |
| 68) 1,1,2-Trichloroethane     | 8.188  | 83   | 57620    | 9.200   | ug/L   | 98       |
| 69) Chlorodibromomethane      | 8.403  | 129  | 92215    | 8.930   | ug/L   | 98       |
| 70) 1,3-Dichloropropane       | 8.511  | 76   | 120057   | 9.129   | ug/L   | 100      |
| 71) 1,2-Dibromoethane         | 8.677  | 107  | 65448    | 8.807   | ug/L   | 99       |
| 72) 2-Hexanone                | 8.971  | 43   | 34346    | 7.391   | ug/L   | 99       |
| 73) Chlorobenzene             | 9.314  | 112  | 291955   | 10.014  | ug/L   | 90       |
| 74) Ethylbenzene              | 9.353  | 91   | 500536   | 10.167  | ug/L   | 96       |
| 75) 1,1,1,2-Tetrachloroethane | 9.402  | 131  | 102924   | 9.585   | ug/L   | 96       |
| 76) p/m Xylene                | 9.539  | 106  | 389658   | 20.462  | ug/L   | 89       |
| 77) o Xylene                  | 10.078 | 106  | 370958   | 19.975  | ug/L   | 88       |
| 78) Styrene                   | 10.156 | 104  | 600355   | 19.994  | ug/L   | 91       |
| 80) Bromoform                 | 10.186 | 173  | 52921    | 8.134   | ug/L   | 100      |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-2  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

|      | Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|------|---------------------------|--------|------|----------|--------|-------|----------|
| 82)  | Isopropylbenzene          | 10.470 | 105  | 524198   | 9.703  | ug/L  | 94       |
| 84)  | Bromobenzene              | 10.930 | 156  | 122671   | 9.407  | ug/L  | 99       |
| 85)  | n-Propylbenzene           | 10.969 | 91   | 616619   | 9.817  | ug/L  | 94       |
| 86)  | 1,4-Dichlorobutane        | 10.999 | 55   | 141673   | 9.239  | ug/L  | 90       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 73285    | 7.949  | ug/L  | 99       |
| 88)  | 4-Ethyltoluene            | 11.097 | 105  | 513116   | 9.679  | ug/L  | 96       |
| 89)  | 2-Chlorotoluene           | 11.146 | 91   | 358981M6 | 9.605  | ug/L  |          |
| 90)  | 1,3,5-Trimethylbenzene    | 11.195 | 105  | 437049   | 9.625  | ug/L  | 93       |
| 91)  | 1,2,3-Trichloropropane    | 11.214 | 75   | 57519M1  | 8.154  | ug/L  |          |
| 92)  | trans-1,4-Dichloro-2-b... | 11.273 | 53   | 26412    | 8.168  | ug/L  | 98       |
| 93)  | 4-Chlorotoluene           | 11.332 | 91   | 370492M6 | 9.526  | ug/L  |          |
| 94)  | tert-Butylbenzene         | 11.538 | 119  | 402197   | 9.961  | ug/L  | 98       |
| 97)  | 1,2,4-Trimethylbenzene    | 11.626 | 105  | 418555   | 9.335  | ug/L  | 94       |
| 98)  | sec-Butylbenzene          | 11.733 | 105  | 551554   | 9.914  | ug/L  | 95       |
| 99)  | p-Isopropyltoluene        | 11.890 | 119  | 507746   | 10.085 | ug/L  | 95       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 244304   | 9.818  | ug/L  | 97       |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 240792   | 9.640  | ug/L  | 97       |
| 102) | p-Diethylbenzene          | 12.272 | 119  | 296737   | 9.765  | ug/L  | 94       |
| 103) | n-Butylbenzene            | 12.331 | 91   | 390997   | 9.718  | ug/L  | 97       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 212557   | 9.541  | ug/L  | 97       |
| 105) | 1,2,4,5-Tetramethylben... | 13.076 | 119  | 387618   | 9.003  | ug/L  | 95       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.281 | 155  | 10311    | 7.066  | ug/L  | 95       |
| 107) | 1,3,5-Trichlorobenzene    | 13.301 | 180  | 155878   | 9.584  | ug/L  | 98       |
| 108) | Hexachlorobutadiene       | 13.869 | 225  | 66067    | 10.170 | ug/L  | 98       |
| 109) | 1,2,4-Trichlorobenzene    | 13.898 | 180  | 118001   | 8.939  | ug/L  | 99       |
| 110) | Naphthalene               | 14.192 | 128  | 183842   | 7.030  | ug/L  | 100      |
| 111) | 1,2,3-Trichlorobenzene    | 14.369 | 180  | 88855    | 8.494  | ug/L  | 99       |

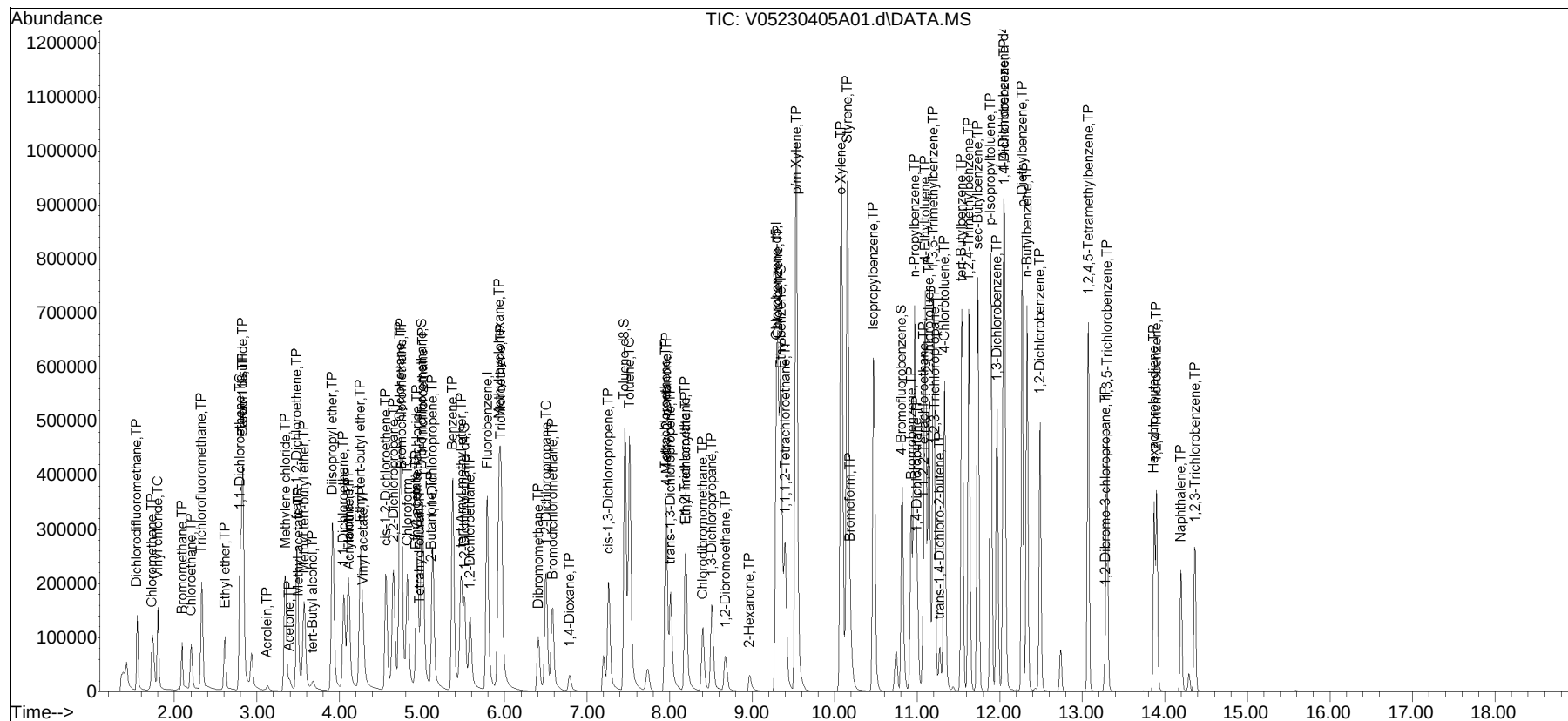
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
Data File : V05230405A01.d  
Acq On : 5 Apr 2023 6:58 am  
Operator : VOA105:PID  
Sample : WG1763545-2  
Misc : WG1763545,ICAL19721  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
Quant Title : VOLATILES BY GC/MS  
QLast Update : Thu Feb 09 06:59:00 2023  
Response via : Initial Calibration

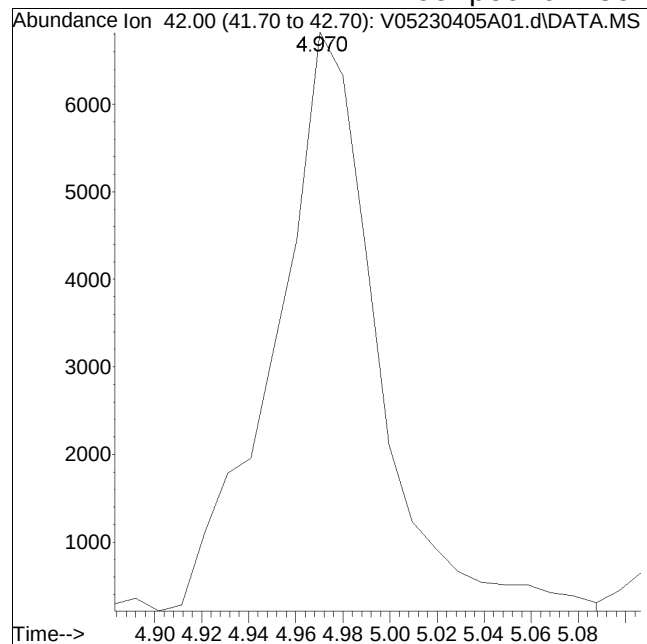
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



# Manual Integration Report

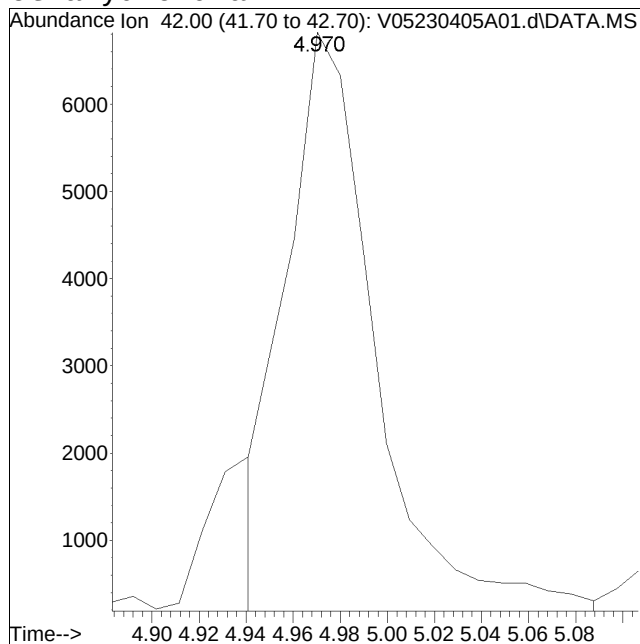
Data Path : I:\VOLATILES\VOA105\2023\2QMethod : V105\_230208B\_8260.m  
Data File : V05230405A01.d Operator : VOA105:PID  
Date Inj'd : 4/5/2023 6:58 am Instrument : VOA 105  
Sample : WG1763545-2 Quant Date : 4/5/2023 7:30 am

## Compound #35: Tetrahydrofuran



Original Peak Response = 19863

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



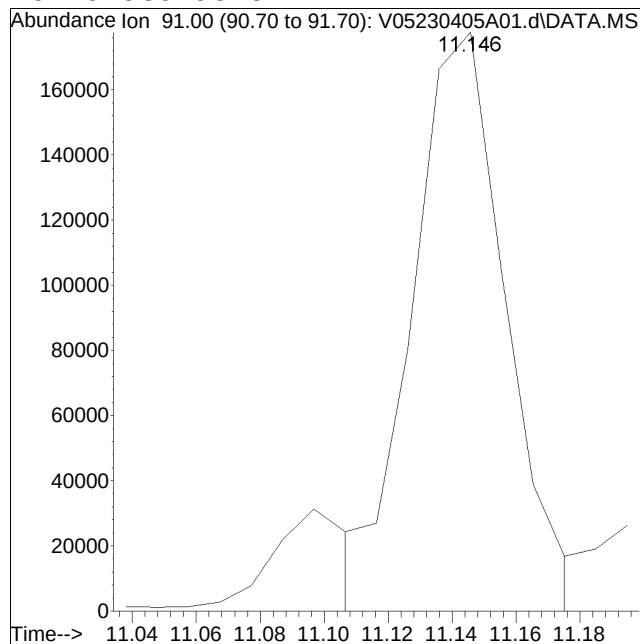
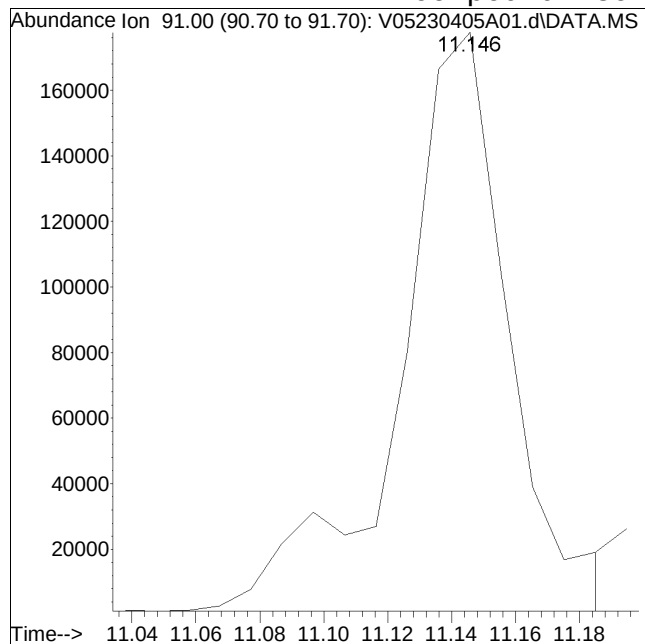
Manual Peak Response = 17546 M6



# Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230405A01.d Operator : VOA105:PID  
Date Inj'd : 4/5/2023 6:58 am Instrument : VOA 105  
Sample : WG1763545-2 Quant Date : 4/5/2023 7:30 am

## Compound #89: 2-Chlorotoluene



Original Peak Response = 413153

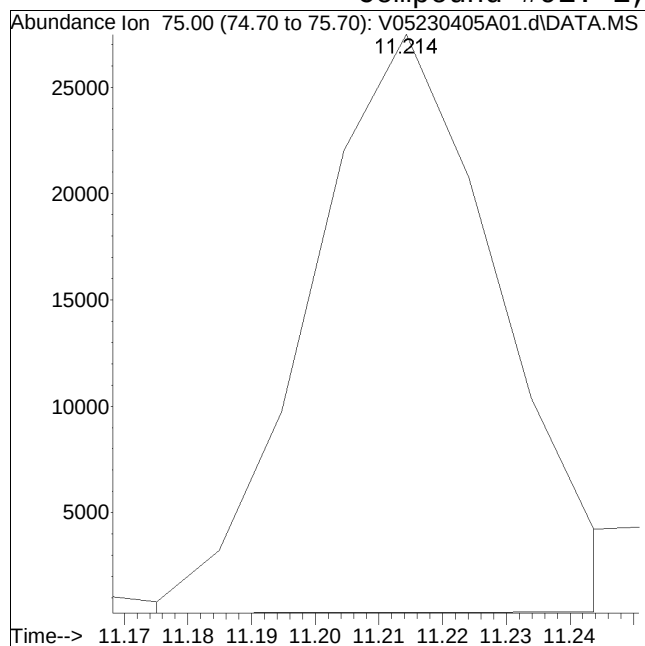
Manual Peak Response = 358981 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

# Manual Integration Report

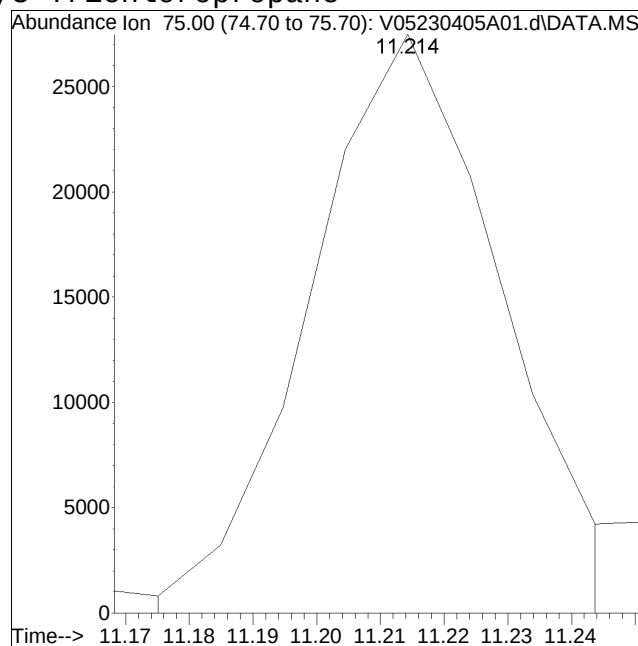
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230405A01.d Operator : VOA105:PID  
Date Inj'd : 4/5/2023 6:58 am Instrument : VOA 105  
Sample : WG1763545-2 Quant Date : 4/5/2023 7:30 am

## Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 56233

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

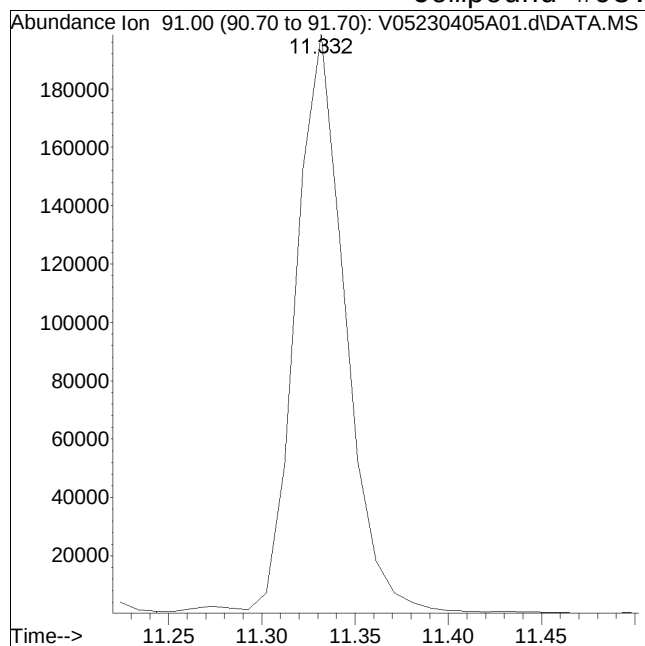


Manual Peak Response = 57519 M1

# Manual Integration Report

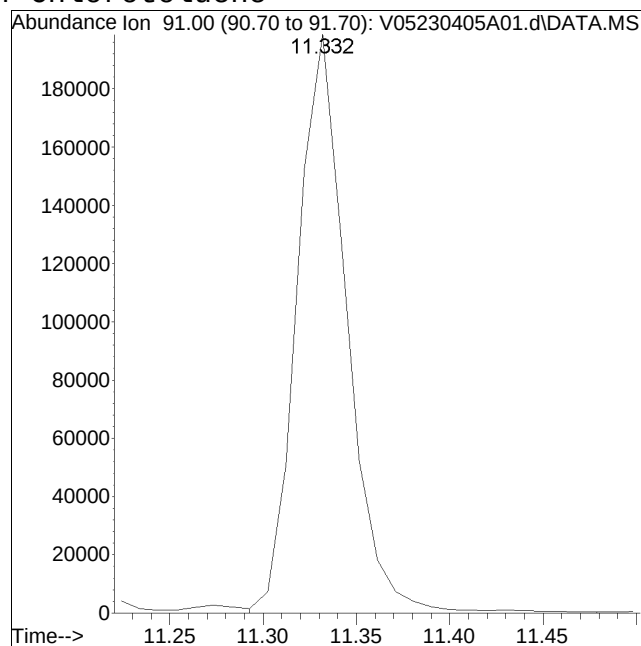
Data Path : I:\VOLATILES\VOA105\2023\20Method : V105\_230208B\_8260.m  
Data File : V05230405A01.d Operator : VOA105:PID  
Date Inj'd : 4/5/2023 6:58 am Instrument : VOA 105  
Sample : WG1763545-2 Quant Date : 4/5/2023 7:30 am

## Compound #93: 4-Chlorotoluene



Original Peak Response = 370695

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



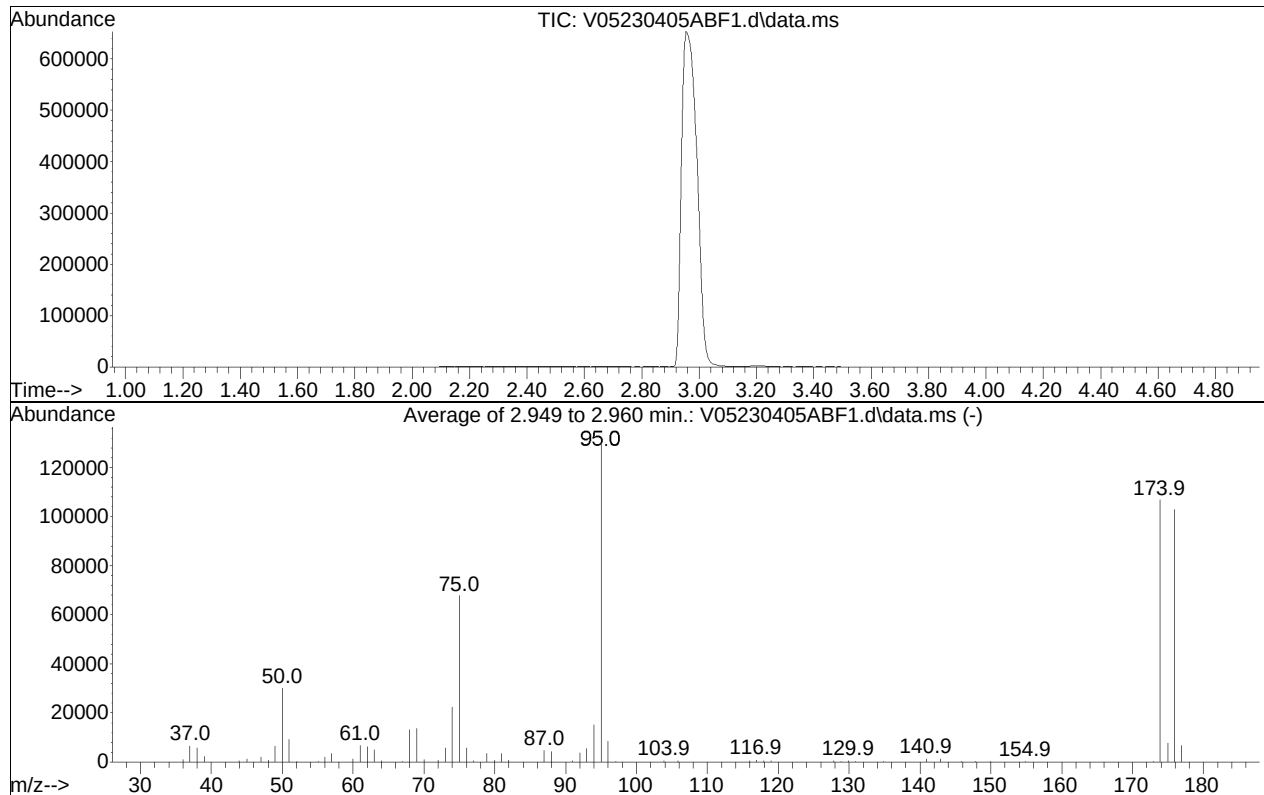
Manual Peak Response = 370492 M6

# BFB

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405ABF1.d  
 Acq On : 5 Apr 2023 6:44 am  
 Operator : VOA105:PID  
 Sample : WG1763545-1  
 Misc : WG1763545  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Title : VOLATILES BY GC/MS  
 Last Update : Thu Feb 09 06:59:00 2023



AutoFind: Scans 158, 159, 160; Background Corrected with Scan 148

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50          | 95           | 15           | 40           | 23.1      | 30088   | PASS             |
| 75          | 95           | 30           | 60           | 52.1      | 67771   | PASS             |
| 95          | 95           | 100          | 100          | 100.0     | 130128  | PASS             |
| 96          | 95           | 5            | 9            | 6.5       | 8468    | PASS             |
| 173         | 174          | 0.00         | 2            | 0.3       | 347     | PASS             |
| 174         | 95           | 50           | 100          | 82.2      | 107005  | PASS             |
| 175         | 174          | 5            | 9            | 7.4       | 7872    | PASS             |
| 176         | 174          | 95           | 101          | 96.2      | 102979  | PASS             |
| 177         | 176          | 5            | 9            | 6.6       | 6834    | PASS             |

## **Volatiles Raw QC Data**

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A05.d  
 Acq On : 5 Apr 2023 8:31 am  
 Operator : VOA105:PID  
 Sample : WG1763545-5,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 05 09:06:48 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                     | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Fluorobenzene             | 5.792          | 96   | 375371     | 10.000  | ug/L  | 0.00     |
| Standard Area 1 = 400859     |                |      | Recovery = | 93.64%  |       |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 314974     | 10.000  | ug/L  | 0.00     |
| Standard Area 1 = 328581     |                |      | Recovery = | 95.86%  |       |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 184984     | 10.000  | ug/L  | 0.00     |
| Standard Area 1 = 190093     |                |      | Recovery = | 97.31%  |       |          |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 114227     | 11.461  | ug/L  | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 114.61% |       |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 131236     | 12.114  | ug/L  | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 121.14% |       |          |
| 60) Toluene-d8               | 7.464          | 98   | 402225     | 10.033  | ug/L  | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 100.33% |       |          |
| 83) 4-Bromofluorobenzene     | 10.822         | 95   | 155537     | 9.102   | ug/L  | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery = | 91.02%  |       |          |
| Target Compounds             |                |      |            |         |       |          |
| 2) Dichlorodifluoromethane   | 1.400          | 85   | 92         | N.D.    |       | Qvalue   |
| 3) Chloromethane             | 1.743          | 50   | 838        | N.D.    |       |          |
| 4) Vinyl chloride            | 1.801          | 62   | 97         | N.D.    |       |          |
| 5) Bromomethane              | 2.095          | 94   | 298        | N.D.    |       |          |
| 6) Chloroethane              | 2.261          | 64   | 178        | N.D.    |       |          |
| 7) Trichlorofluoromethane    | 0.000          |      | 0          | N.D.    |       |          |
| 10) 1,1-Dichloroethene       | 0.000          |      | 0          | N.D.    |       |          |
| 11) Carbon disulfide         | 2.828          | 76   | 413        | N.D.    |       |          |
| 12) Freon-113                | 0.000          |      | 0          | N.D.    |       |          |
| 15) Methylene chloride       | 0.000          |      | 0          | N.D.    |       |          |
| 17) Acetone                  | 0.000          |      | 0          | N.D.    | d     |          |
| 18) trans-1,2-Dichloroethene | 0.000          |      | 0          | N.D.    |       |          |
| 19) Methyl acetate           | 0.000          |      | 0          | N.D.    | d     |          |
| 20) Methyl tert-butyl ether  | 0.000          |      | 0          | N.D.    |       |          |
| 23) 1,1-Dichloroethane       | 0.000          |      | 0          | N.D.    |       |          |
| 28) cis-1,2-Dichloroethene   | 0.000          |      | 0          | N.D.    |       |          |
| 30) Bromochloromethane       | 0.000          |      | 0          | N.D.    |       |          |
| 31) Cyclohexane              | 0.000          |      | 0          | N.D.    |       |          |
| 32) Chloroform               | 0.000          |      | 0          | N.D.    |       |          |
| 34) Carbon tetrachloride     | 0.000          |      | 0          | N.D.    |       |          |

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A05.d  
 Acq On : 5 Apr 2023 8:31 am  
 Operator : VOA105:PID  
 Sample : WG1763545-5,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 05 09:06:48 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                       | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|-------|----------|
| 37) 1,1,1-Trichloroethane      | 0.000  |      | 0        |       | N.D.  |          |
| 39) 2-Butanone                 | 0.000  |      | 0        |       | N.D.  |          |
| 41) Benzene                    | 0.000  |      | 0        |       | N.D.  |          |
| 44) 1,2-Dichloroethane         | 0.000  |      | 0        |       | N.D.  |          |
| 47) Methyl cyclohexane         | 0.000  |      | 0        |       | N.D.  |          |
| 48) Trichloroethene            | 5.987  | 95   | 97       |       | N.D.  |          |
| 51) 1,2-Dichloropropane        | 0.000  |      | 0        |       | N.D.  |          |
| 54) Bromodichloromethane       | 0.000  |      | 0        |       | N.D.  |          |
| 57) 1,4-Dioxane                | 0.000  |      | 0        |       | N.D.  |          |
| 58) cis-1,3-Dichloropropene    | 0.000  |      | 0        |       | N.D.  |          |
| 61) Toluene                    | 0.000  |      | 0        |       | N.D.  |          |
| 62) 4-Methyl-2-pentanone       | 0.000  |      | 0        |       | N.D.  |          |
| 63) Tetrachloroethene          | 0.000  |      | 0        |       | N.D.  |          |
| 65) trans-1,3-Dichloropropene  | 0.000  |      | 0        |       | N.D.  |          |
| 68) 1,1,2-Trichloroethane      | 0.000  |      | 0        |       | N.D.  |          |
| 69) Chlorodibromomethane       | 0.000  |      | 0        |       | N.D.  |          |
| 71) 1,2-Dibromoethane          | 0.000  |      | 0        |       | N.D.  |          |
| 72) 2-Hexanone                 | 0.000  |      | 0        |       | N.D.  |          |
| 73) Chlorobenzene              | 0.000  |      | 0        |       | N.D.  |          |
| 74) Ethylbenzene               | 9.304  | 91   | 598      |       | N.D.  |          |
| 76) p/m Xylene                 | 0.000  |      | 0        |       | N.D.  |          |
| 77) o Xylene                   | 0.000  |      | 0        |       | N.D.  |          |
| 78) Styrene                    | 0.000  |      | 0        |       | N.D.  |          |
| 80) Bromoform                  | 0.000  |      | 0        |       | N.D.  |          |
| 82) Isopropylbenzene           | 0.000  |      | 0        |       | N.D.  |          |
| 87) 1,1,2,2-Tetrachloroethane  | 0.000  |      | 0        |       | N.D.  |          |
| 100) 1,3-Dichlorobenzene       | 11.978 | 146  | 485      |       | N.D.  |          |
| 101) 1,4-Dichlorobenzene       | 12.057 | 146  | 800      |       | N.D.  |          |
| 104) 1,2-Dichlorobenzene       | 12.507 | 146  | 118      |       | N.D.  |          |
| 106) 1,2-Dibromo-3-chloropr... | 0.000  |      | 0        |       | N.D.  |          |
| 109) 1,2,4-Trichlorobenzene    | 13.928 | 180  | 1024     | 0.080 | ug/L  | 96       |
| 111) 1,2,3-Trichlorobenzene    | 14.369 | 180  | 1445     | 0.142 | ug/L  | 85       |

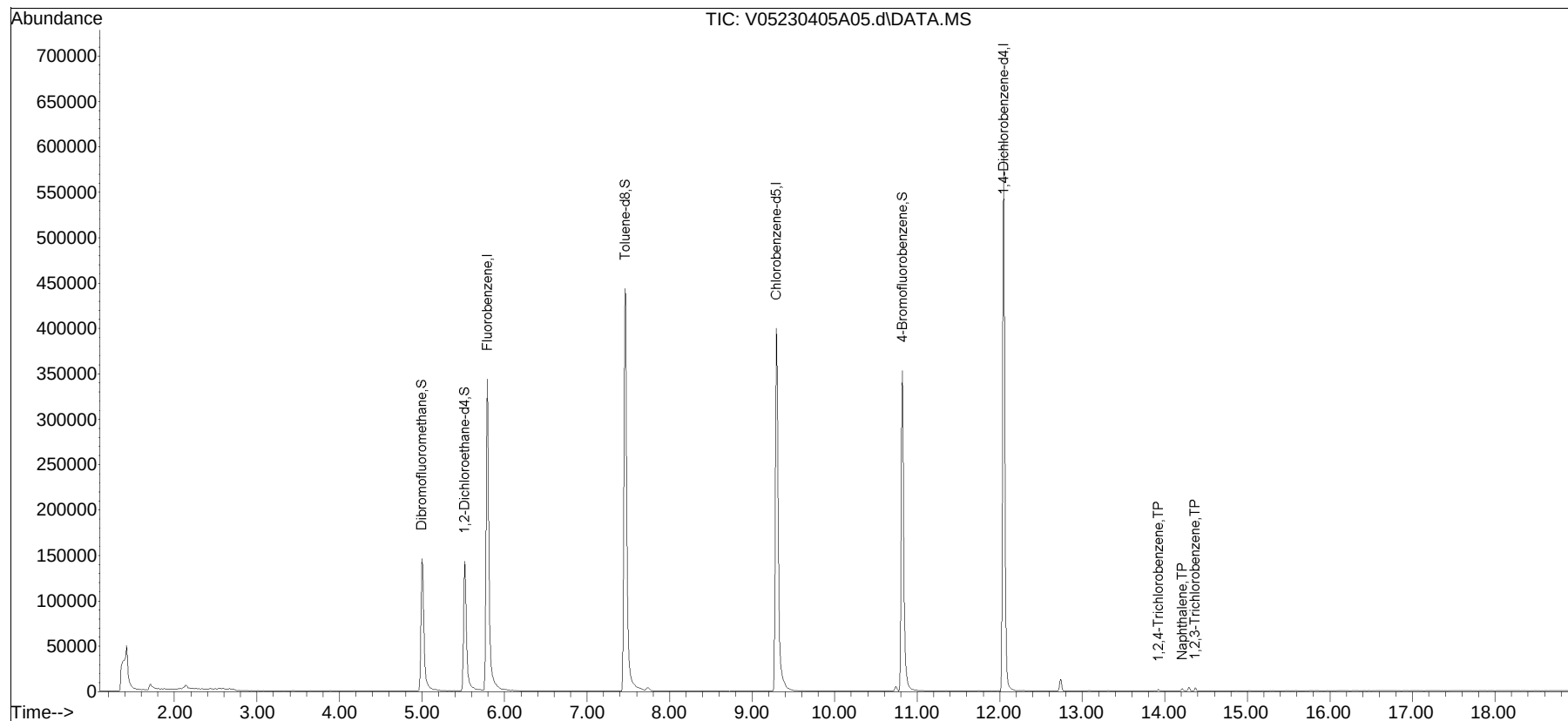
(#) = qualifier out of range (m) = manual integration (+) = signals summed

# Quantitation Report (QT Reviewed)

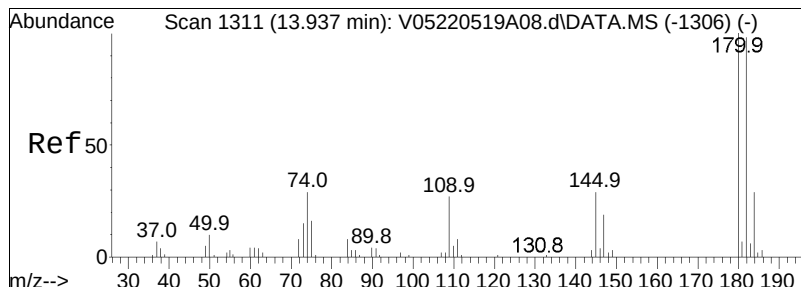
Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A05.d  
 Acq On : 5 Apr 2023 8:31 am  
 Operator : VOA105:PID  
 Sample : WG1763545-5,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 05 09:06:48 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•







#109

1,2,4-Trichlorobenzene

Concen: 0.08 ug/L

RT: 13.928 min Scan# 1310

Delta R.T. 0.029 min

Lab File: V05230405A05.d

Acq: 5 Apr 2023 8:31 am

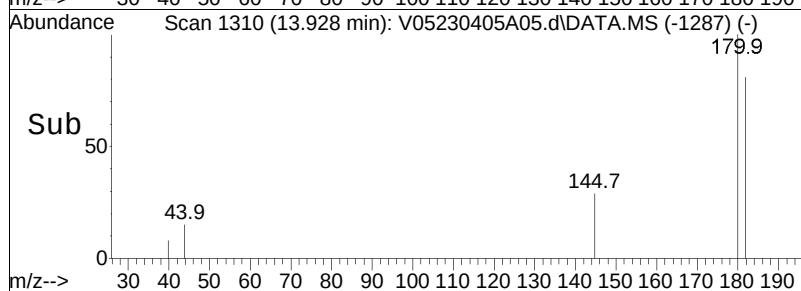
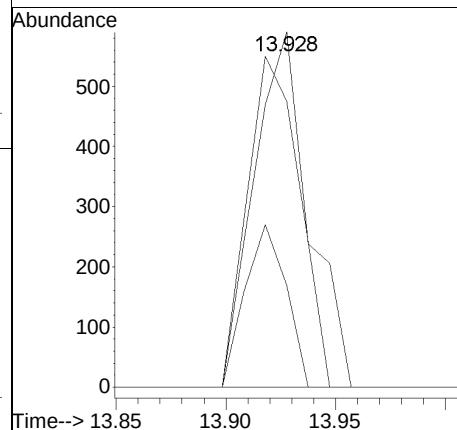
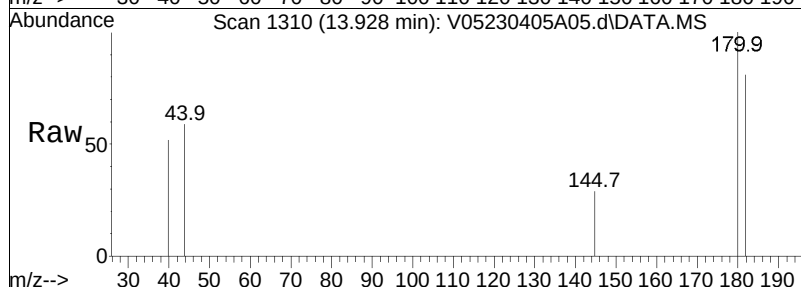
Tgt Ion:180 Resp: 1024

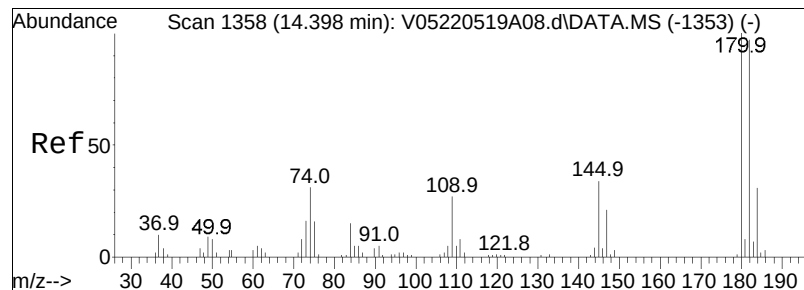
Ion Ratio Lower Upper

180 100

182 88.6 75.2 112.8

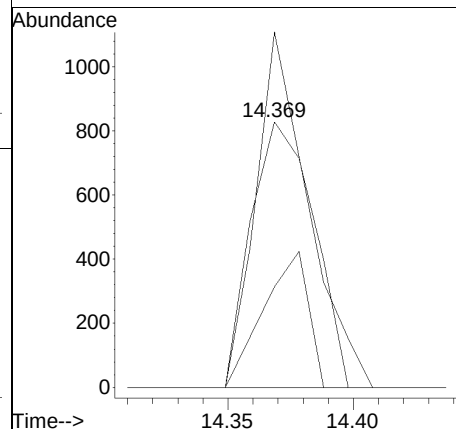
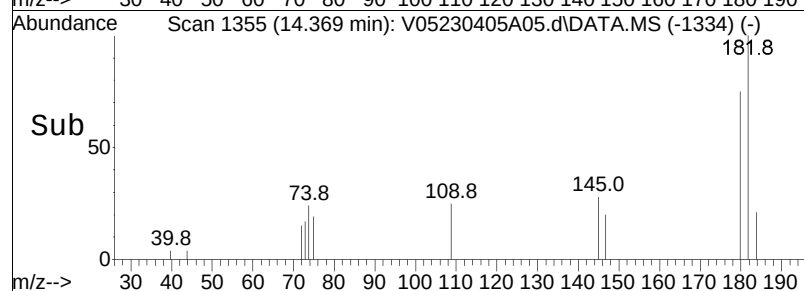
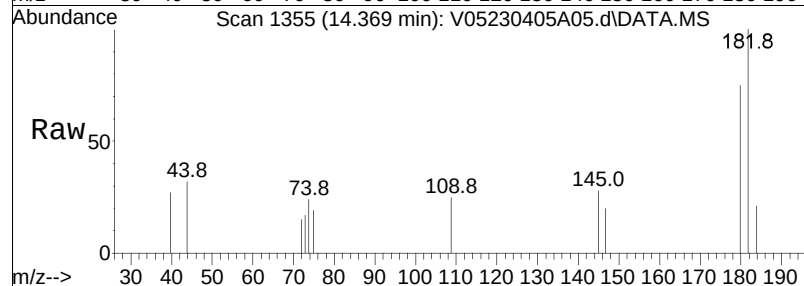
145 34.3 27.4 41.2





#111  
 1,2,3-Trichlorobenzene  
 Concen: 0.14 ug/L  
 RT: 14.369 min Scan# 1355  
 Delta R.T. 0.010 min  
 Lab File: V05230405A05.d  
 Acq: 5 Apr 2023 8:31 am

| Tgt Ion:  | 180   | Resp: | 1445  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 111.6 | 75.5  | 113.3 |
| 145       | 36.4  | 26.5  | 39.7  |



# Manual Integration Report

|            |                               |            |                       |
|------------|-------------------------------|------------|-----------------------|
| Data Path  | : I:\VOLATILES\VOA105\2023\20 | Method     | : V105_230208B_8260.m |
| Data File  | : V05230405A05.d              | Operator   | : VOA105:PID          |
| Date Inj'd | : 4/5/2023 8:31 am            | Instrument | : VOA 105             |
| Sample     | : WG1763545-5,31,10,10        | Quant Date | : 4/5/2023 9:07 am    |

There are no manual integrations or false positives in this file.

# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-3,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 400859   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 400859     |                |      | Recovery | =      | 100.00% |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 328581   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 328581     |                |      | Recovery | =      | 100.00% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 190093   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 190093     |                |      | Recovery | =      | 100.00% |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 115061   | 10.811 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 108.11% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 140390   | 12.135 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 121.35% |          |
| 60) Toluene-d8               | 7.455          | 98   | 429473   | 10.269 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 102.69% |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 161979   | 9.224  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 92.24%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 109513   | 12.703 | ug/L    | 98       |
| 3) Chloromethane             | 1.733          | 50   | 141295   | 11.028 | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 129824   | 13.137 | ug/L    | 95       |
| 5) Bromomethane              | 2.095          | 94   | 43008    | 8.278  | ug/L    | 99       |
| 6) Chloroethane              | 2.202          | 64   | 81103    | 13.686 | ug/L    | 94       |
| 7) Trichlorofluoromethane    | 2.329          | 101  | 177897   | 14.456 | ug/L    | 100      |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 96854    | 11.691 | ug/L    | 87       |
| 11) Carbon disulfide         | 2.828          | 76   | 281610   | 10.718 | ug/L    | 99       |
| 12) Freon-113                | 2.828          | 101  | 106465   | 12.017 | ug/L    | 88       |
| 15) Methylene chloride       | 3.347          | 84   | 102184   | 10.606 | ug/L #  | 61       |
| 17) Acetone                  | 3.396          | 43   | 15491    | 8.614  | ug/L #  | 80       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 105258   | 11.039 | ug/L    | 86       |
| 19) Methyl acetate           | 3.503          | 43   | 38115    | 9.137  | ug/L #  | 85       |
| 20) Methyl tert-butyl ether  | 3.572          | 73   | 170210   | 9.537  | ug/L #  | 82       |
| 23) 1,1-Dichloroethane       | 4.051          | 63   | 217834   | 11.848 | ug/L    | 95       |
| 28) cis-1,2-Dichloroethene   | 4.559          | 96   | 114534   | 10.764 | ug/L    | 90       |
| 30) Bromochloromethane       | 4.755          | 128  | 50036    | 10.324 | ug/L #  | 72       |
| 31) Cyclohexane              | 4.736          | 56   | 253284   | 13.020 | ug/L #  | 63       |
| 32) Chloroform               | 4.824          | 83   | 185910   | 11.127 | ug/L    | 95       |
| 34) Carbon tetrachloride     | 4.941          | 117  | 164448   | 11.680 | ug/L    | 98       |

## Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-3,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

|      | Compound                  | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|------|---------------------------|--------|------|----------|---------|--------|----------|
| 37)  | 1,1,1-Trichloroethane     | 5.009  | 97   | 178311   | 11.812  | ug/L   | 94       |
| 39)  | 2-Butanone                | 5.117  | 43   | 25900    | 8.501   | ug/L # | 67       |
| 41)  | Benzene                   | 5.371  | 78   | 382954   | 10.330  | ug/L # | 89       |
| 44)  | 1,2-Dichloroethane        | 5.586  | 62   | 135993   | 11.185  | ug/L   | 98       |
| 47)  | Methylcyclohexane         | 5.939  | 83   | 191326   | 11.110  | ug/L # | 58       |
| 48)  | Trichloroethene           | 5.958  | 95   | 116665   | 11.687  | ug/L   | 95       |
| 51)  | 1,2-Dichloropropane       | 6.506  | 63   | 113598   | 10.859  | ug/L # | 88       |
| 54)  | Bromodichloromethane      | 6.584  | 83   | 134663   | 10.218  | ug/L   | 100      |
| 57)  | 1,4-Dioxane               | 6.789  | 88   | 25439    | 481.145 | ug/L # | 69       |
| 58)  | cis-1,3-Dichloropropene   | 7.259  | 75   | 149532   | 9.715   | ug/L # | 89       |
| 61)  | Toluene                   | 7.513  | 92   | 250991   | 9.946   | ug/L   | 99       |
| 62)  | 4-Methyl-2-pentanone      | 7.963  | 58   | 20154    | 8.105   | ug/L # | 86       |
| 63)  | Tetrachloroethene         | 7.953  | 166  | 134074   | 11.406  | ug/L   | 91       |
| 65)  | trans-1,3-Dichloropropene | 8.012  | 75   | 125436   | 9.169   | ug/L   | 89       |
| 68)  | 1,1,2-Trichloroethane     | 8.188  | 83   | 57620    | 9.200   | ug/L   | 98       |
| 69)  | Chlorodibromomethane      | 8.403  | 129  | 92215    | 8.930   | ug/L   | 98       |
| 71)  | 1,2-Dibromoethane         | 8.677  | 107  | 65448    | 8.807   | ug/L   | 99       |
| 72)  | 2-Hexanone                | 8.971  | 43   | 34346    | 7.391   | ug/L   | 99       |
| 73)  | Chlorobenzene             | 9.314  | 112  | 291955   | 10.014  | ug/L   | 90       |
| 74)  | Ethylbenzene              | 9.353  | 91   | 500536   | 10.167  | ug/L   | 96       |
| 76)  | p/m Xylene                | 9.539  | 106  | 389658   | 20.462  | ug/L   | 89       |
| 77)  | o Xylene                  | 10.078 | 106  | 370958   | 19.975  | ug/L   | 88       |
| 78)  | Styrene                   | 10.156 | 104  | 600355   | 19.994  | ug/L   | 91       |
| 80)  | Bromoform                 | 10.186 | 173  | 52921    | 8.134   | ug/L   | 100      |
| 82)  | Isopropylbenzene          | 10.470 | 105  | 524198   | 9.703   | ug/L   | 94       |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 73285    | 7.949   | ug/L   | 99       |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 244304   | 9.818   | ug/L   | 97       |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 240792   | 9.640   | ug/L   | 97       |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 212557   | 9.541   | ug/L   | 97       |
| 106) | 1,2-Dibromo-3-chloropr... | 13.281 | 155  | 10311    | 7.066   | ug/L   | 95       |
| 109) | 1,2,4-Trichlorobenzene    | 13.898 | 180  | 118001   | 8.939   | ug/L   | 99       |
| 111) | 1,2,3-Trichlorobenzene    | 14.369 | 180  | 88855    | 8.494   | ug/L   | 99       |

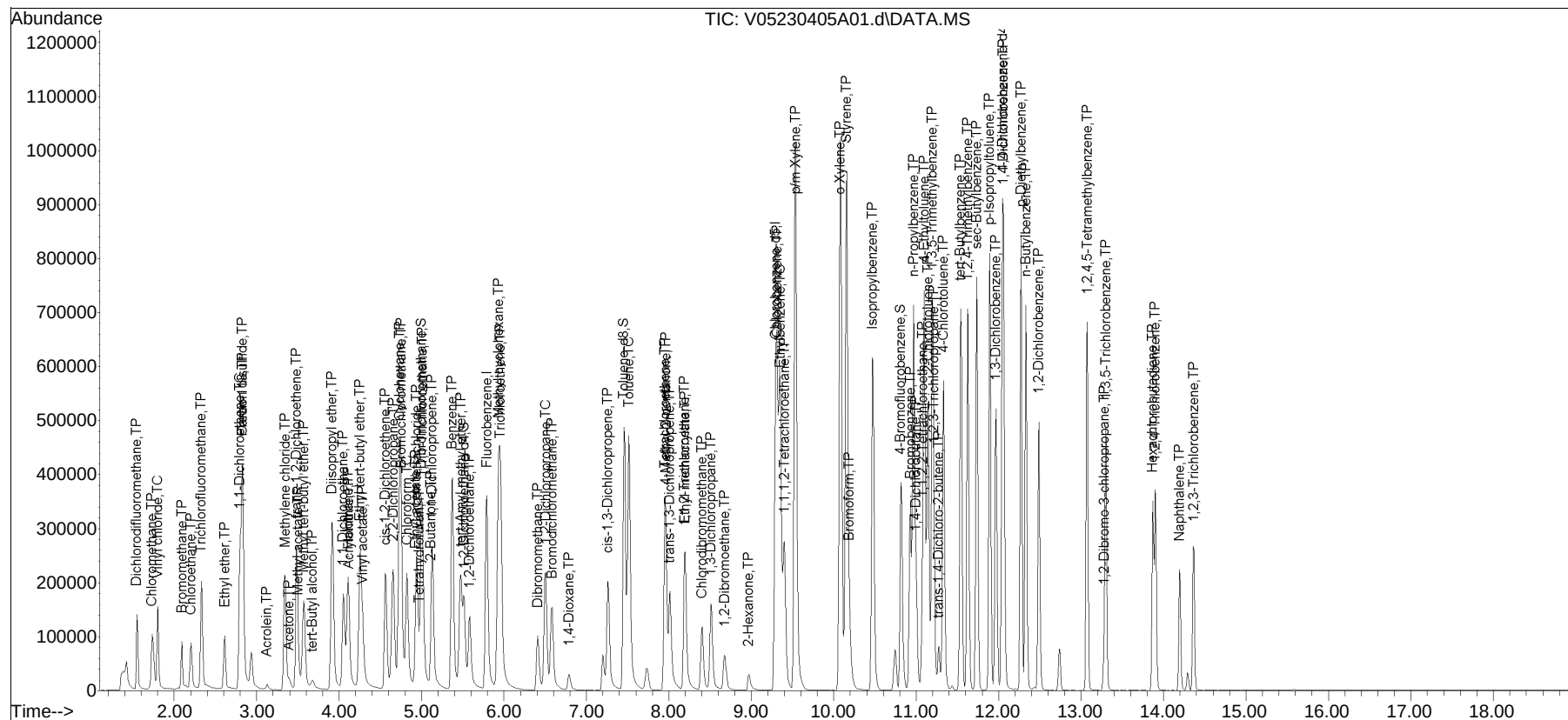
(#) = qualifier out of range (m) = manual integration (+) = signals summed

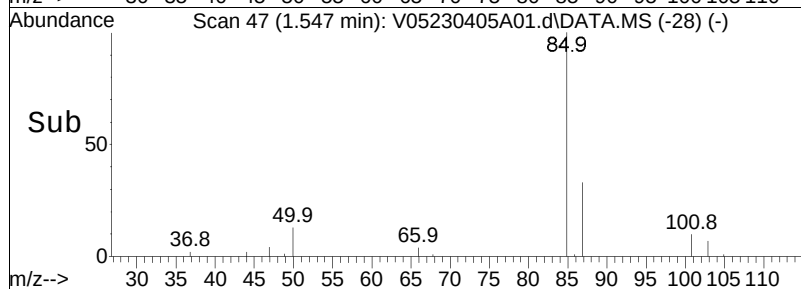
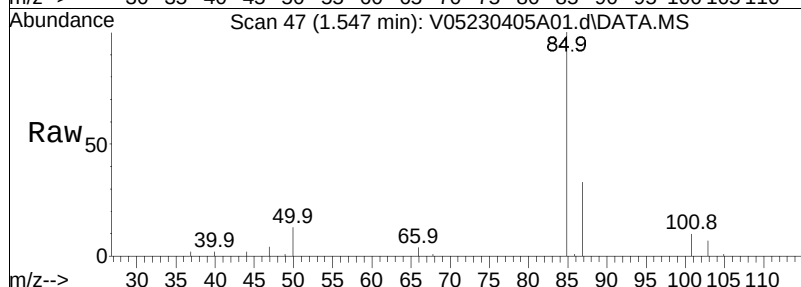
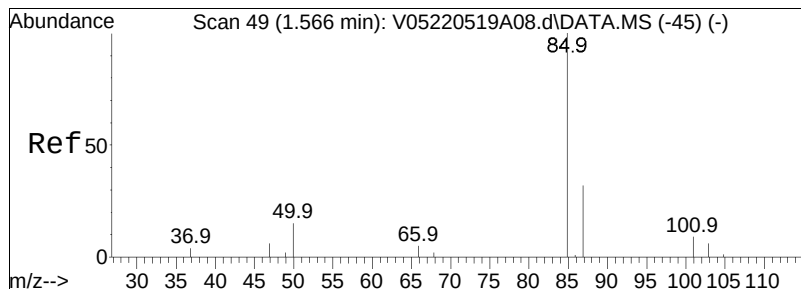
# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A01.d  
 Acq On : 5 Apr 2023 6:58 am  
 Operator : VOA105:PID  
 Sample : WG1763545-3,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 05 07:31:39 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

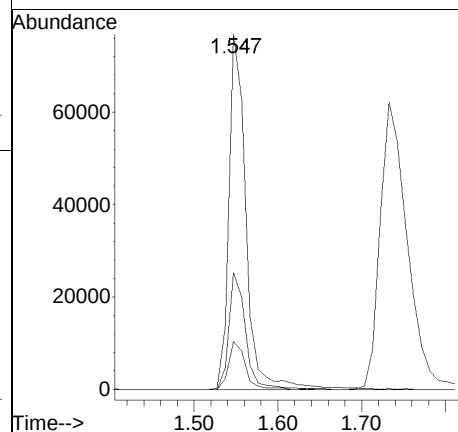
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

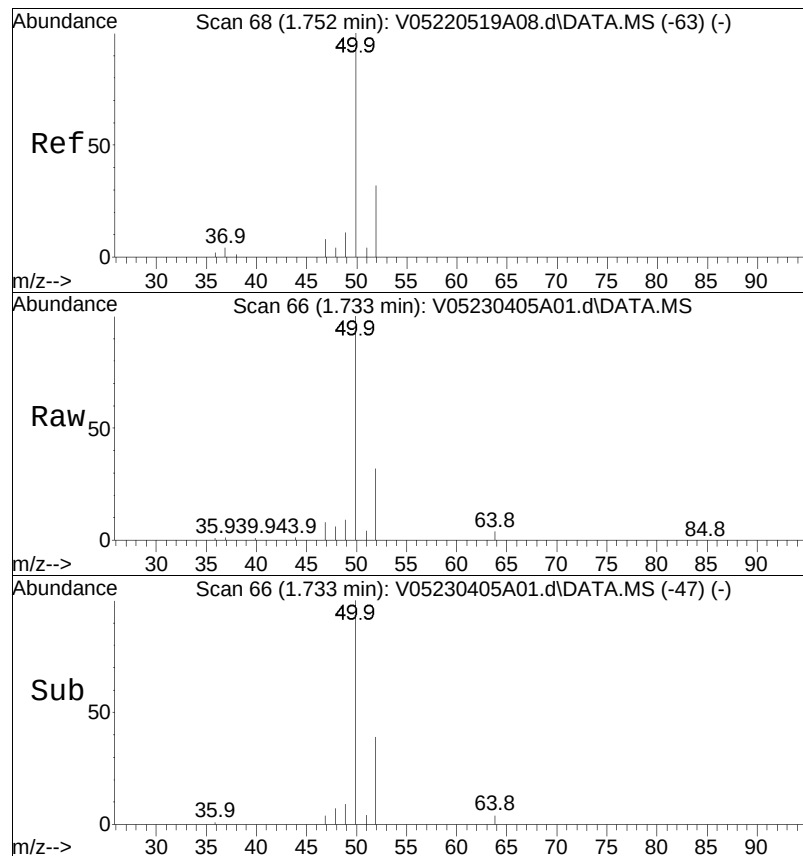




#2  
 Dichlorodifluoromethane  
 Concen: 12.70 ug/L  
 RT: 1.547 min Scan# 47  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

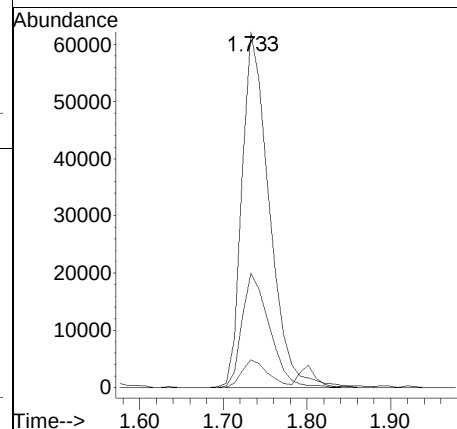
| Tgt Ion | 85  | 87   | 50 | Ratio | 100 | 32.1 | 20.9 | 6.8 | Resp | 109513 | Lower | Upper |
|---------|-----|------|----|-------|-----|------|------|-----|------|--------|-------|-------|
| 85      | 100 |      |    |       |     |      |      |     |      |        |       |       |
| 87      |     | 32.1 |    |       |     |      | 20.9 |     |      |        |       | 43.5  |
| 50      |     | 13.1 |    |       |     |      | 6.8  |     |      |        |       | 14.0  |



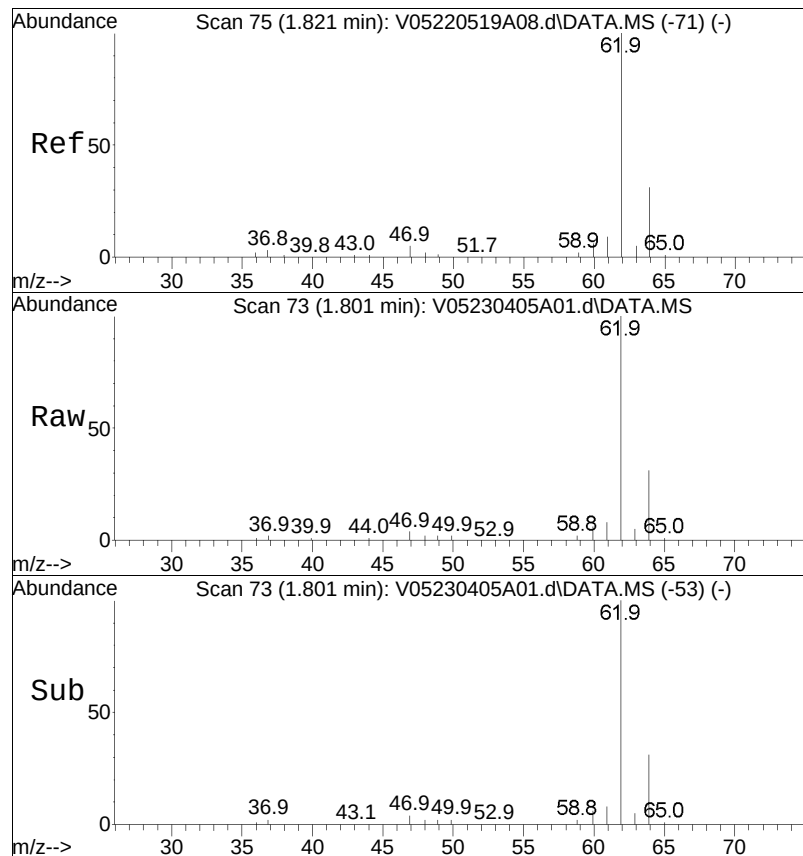


#3  
 Chloromethane  
 Concen: 11.03 ug/L  
 RT: 1.733 min Scan# 66  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 50 | Resp: | 141295 |
| Ion | Ratio   | Lower | Upper  |
| 50  | 100     |       |        |
| 52  | 32.2    | 12.6  | 52.6   |
| 47  | 7.5     | 0.0   | 30.1   |

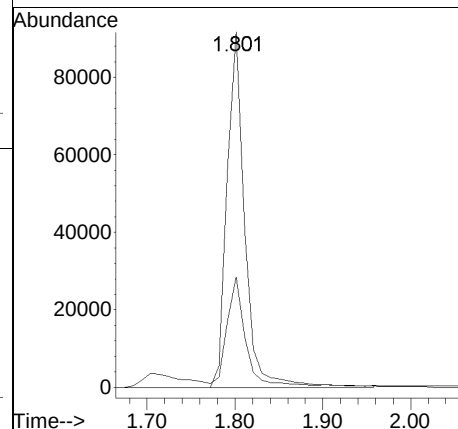


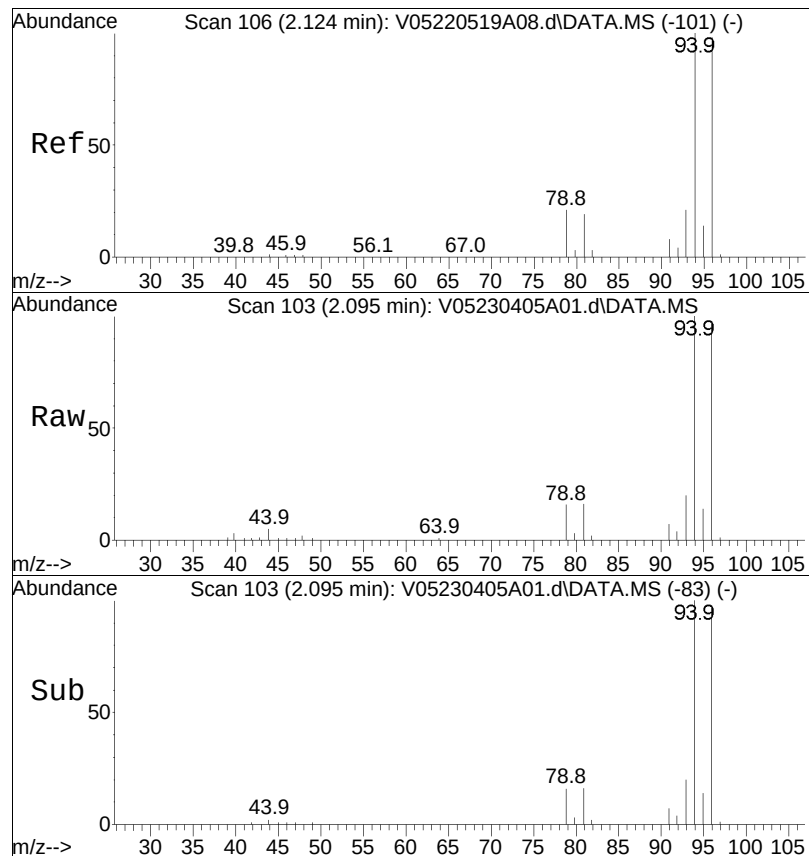




#4  
 Vinyl chloride  
 Concen: 13.14 ug/L  
 RT: 1.801 min Scan# 73  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

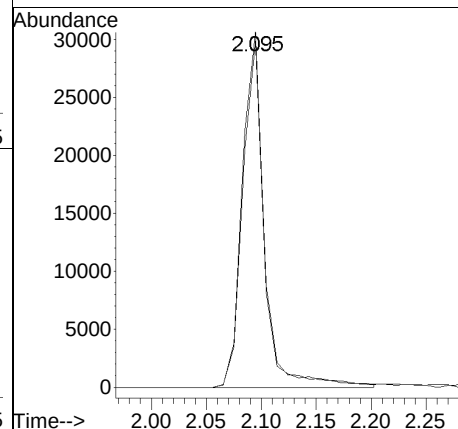
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 30.8  | 13.5  | 53.5  |

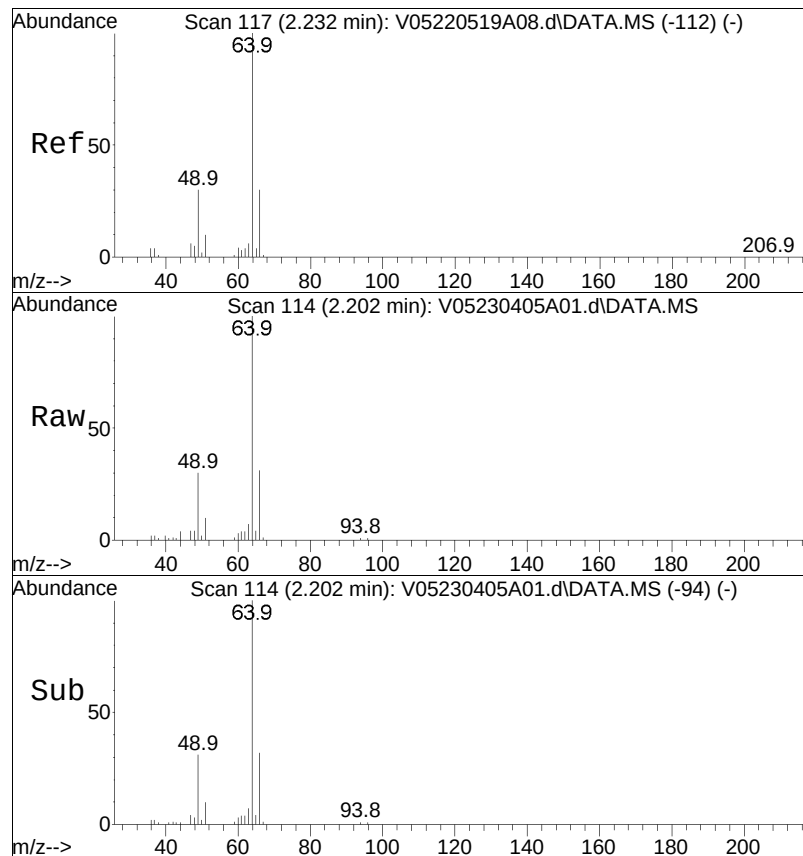




#5  
 Bromomethane  
 Concen: 8.28 ug/L  
 RT: 2.095 min Scan# 103  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

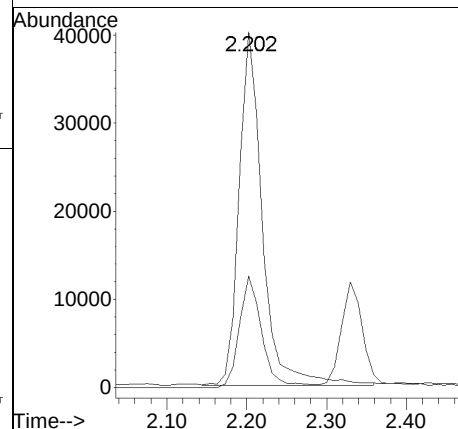
| Tgt Ion   | 94   | Resp  | 43008 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 96        | 96.2 | 75.4  | 115.4 |

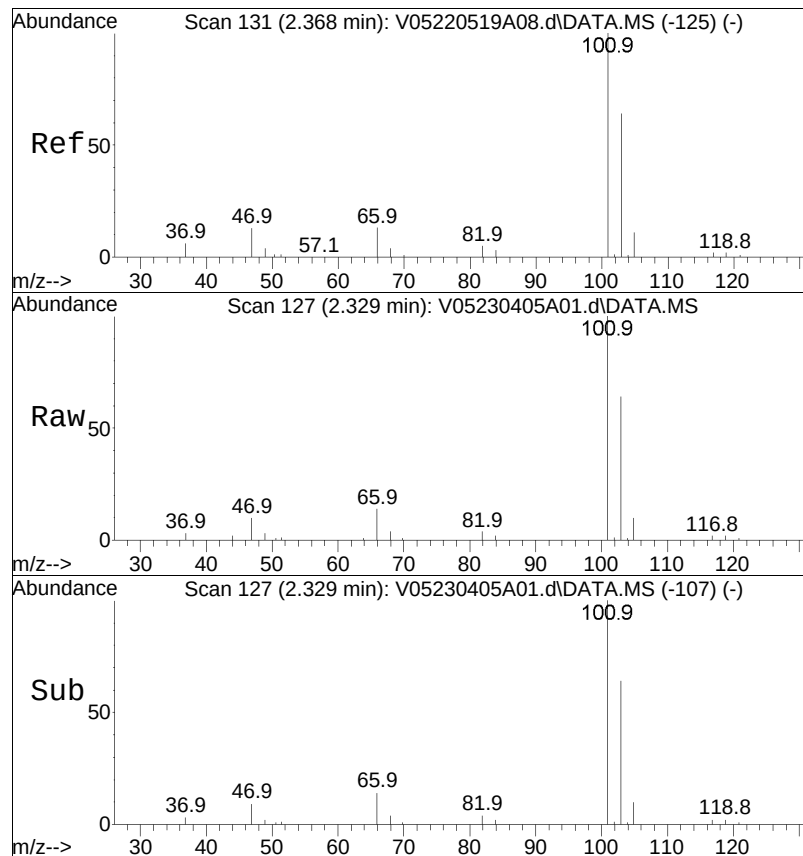




#6  
 Chloroethane  
 Concen: 13.69 ug/L  
 RT: 2.202 min Scan# 114  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

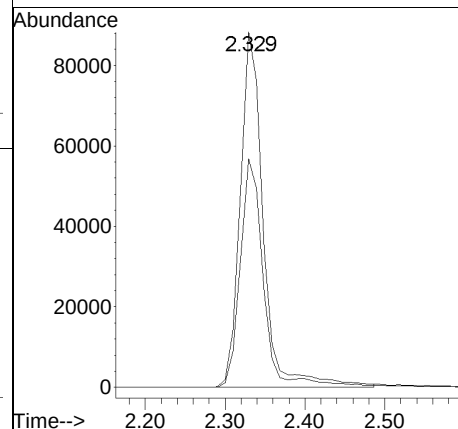
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 64      | 100   |       |       |
| 66      | 30.5  | 13.8  | 53.8  |

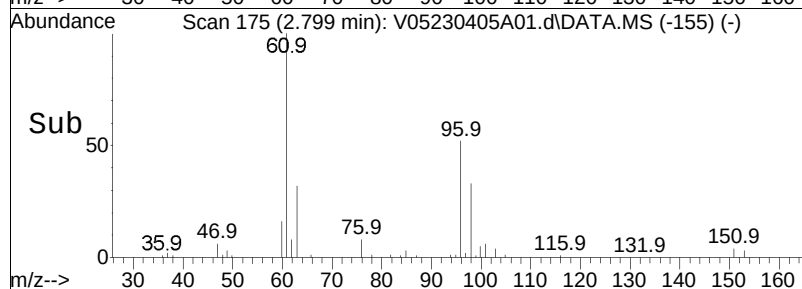
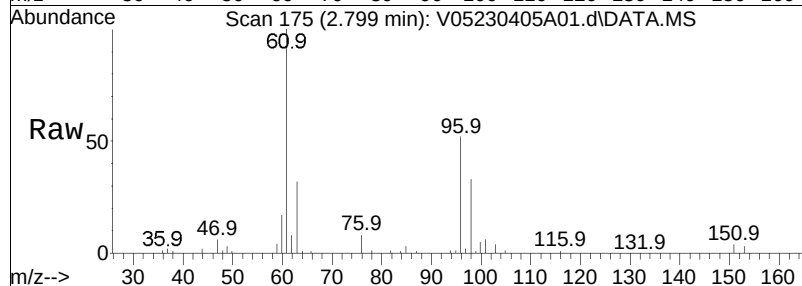
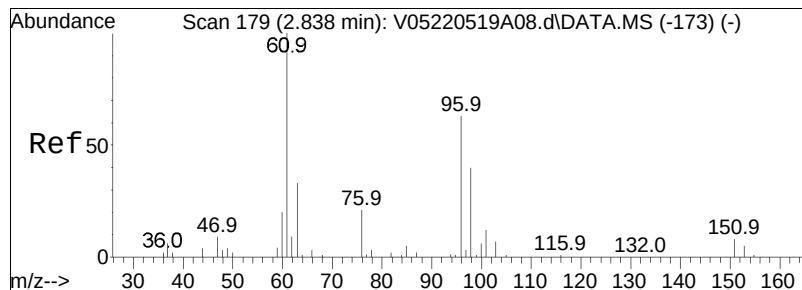




#7  
 Trichlorofluoromethane  
 Concen: 14.46 ug/L  
 RT: 2.329 min Scan# 127  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

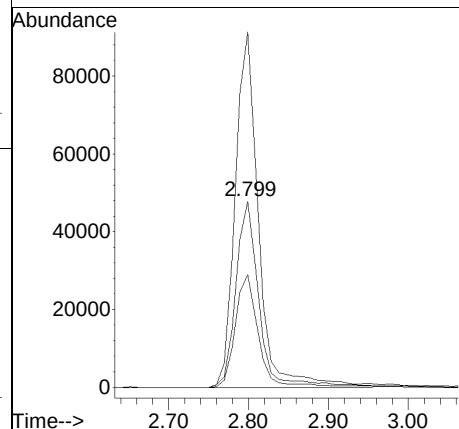
| Tgt Ion   | 101   | Resp  | 177897 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 103       | 64.8  | 51.8  | 77.6   |

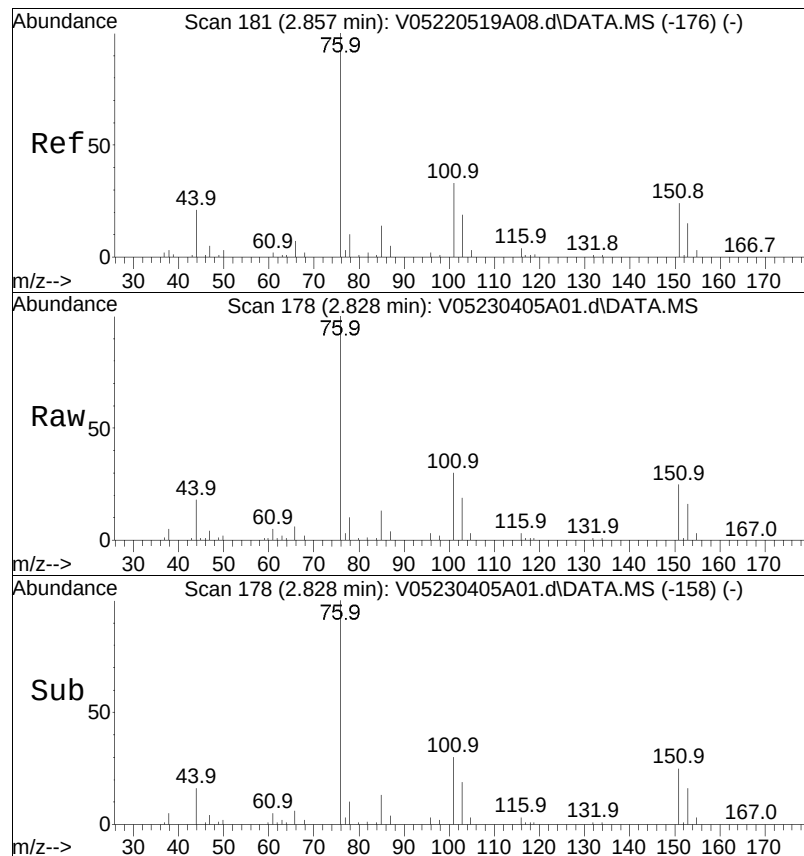




#10  
 1,1-Dichloroethene  
 Concen: 11.69 ug/L  
 RT: 2.799 min Scan# 175  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

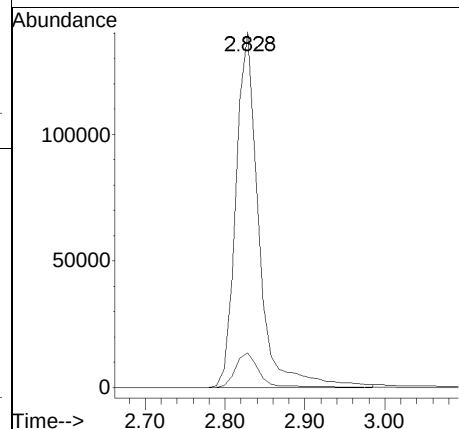
| Tgt Ion:  | 96    | Resp: | 96854 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 192.1 | 136.7 | 205.1 |
| 63        | 61.1  | 45.0  | 67.6  |

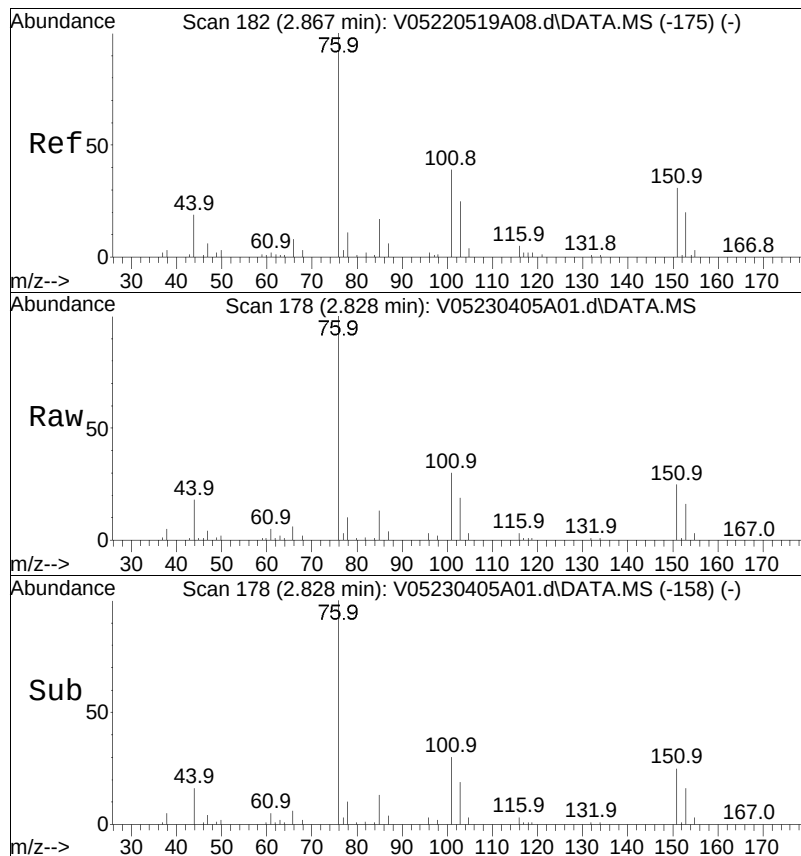




#11  
 Carbon disulfide  
 Concen: 10.72 ug/L  
 RT: 2.828 min Scan# 178  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

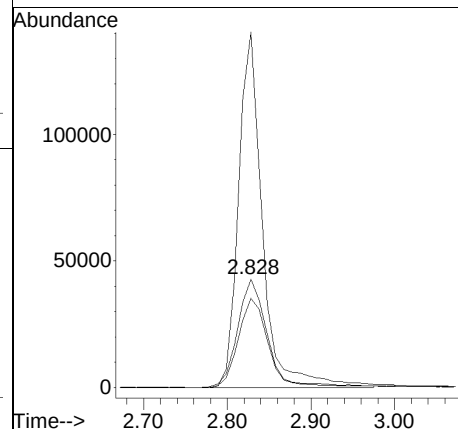
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 10.1  | 6.7   | 13.9  |

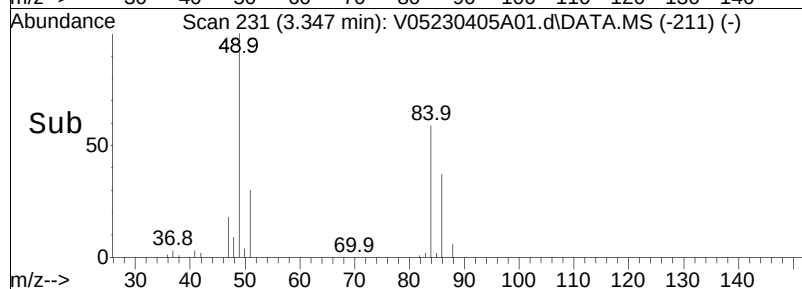
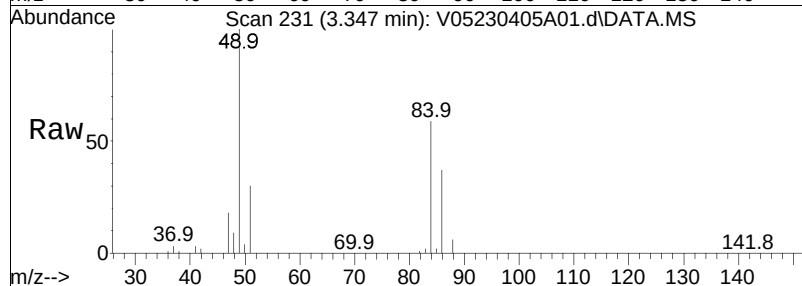
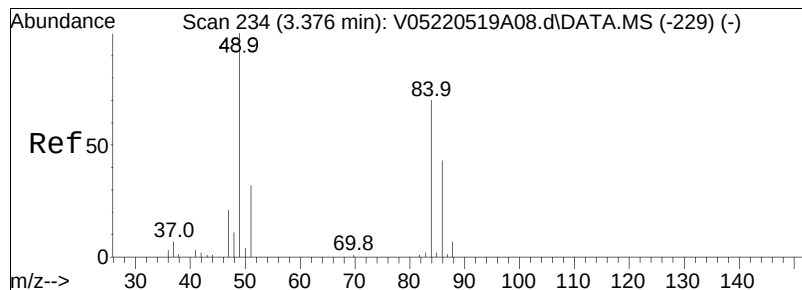




#12  
 Freon-113  
 Concen: 12.02 ug/L  
 RT: 2.828 min Scan# 178  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

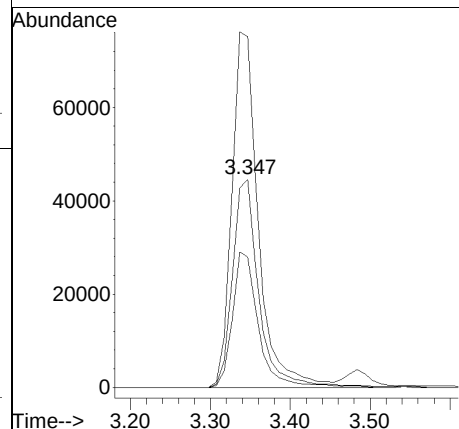
| Tgt | Ion   | Ratio | Lower | Upper |
|-----|-------|-------|-------|-------|
| 101 | 101   | 100   |       |       |
| 151 | 83.1  | 65.0  | 97.6  |       |
| 76  | 264.5 | 190.0 | 285.0 |       |



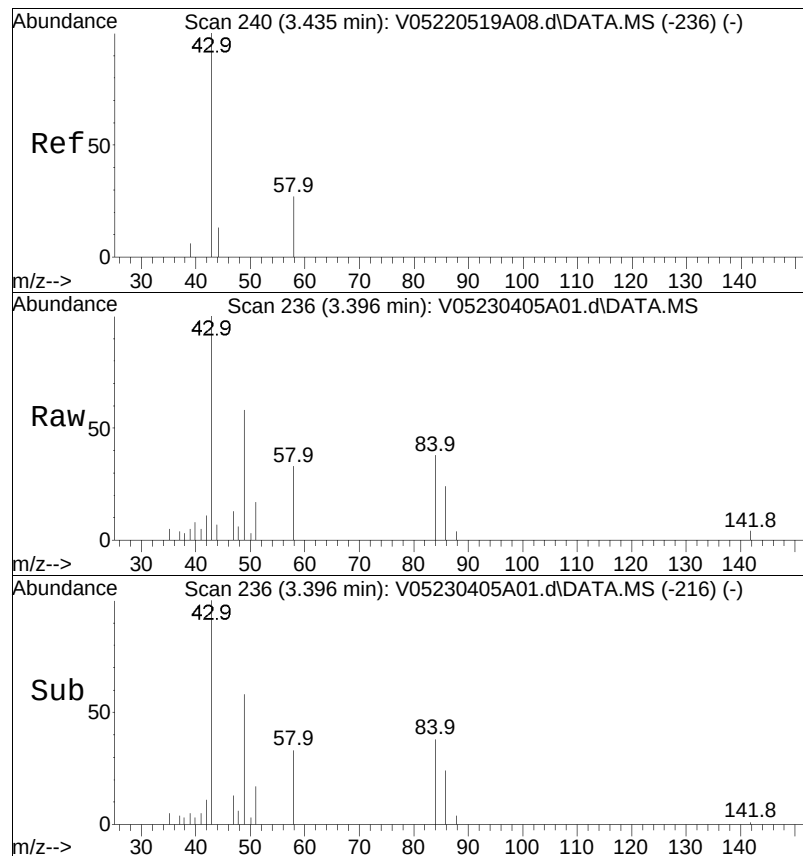


#15  
Methylene chloride  
Concen: 10.61 ug/L  
RT: 3.347 min Scan# 231  
Delta R.T. 0.000 min  
Lab File: V05230405A01.d  
Acq: 5 Apr 2023 6:58 am

| Tgt | Ion   | Resp | Lower | Upper |
|-----|-------|------|-------|-------|
| 84  | 100   |      |       |       |
| 86  | 64.1  | 42.1 | 87.5  |       |
| 49  | 170.9 | 69.3 | 143.9 |       |

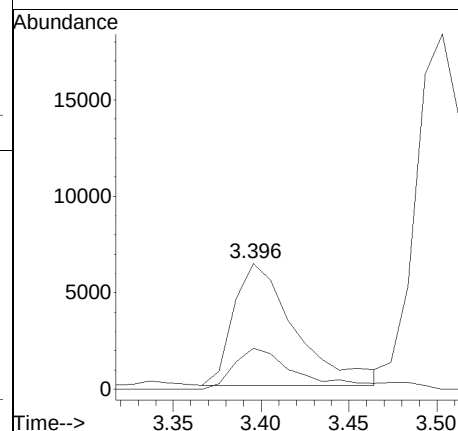


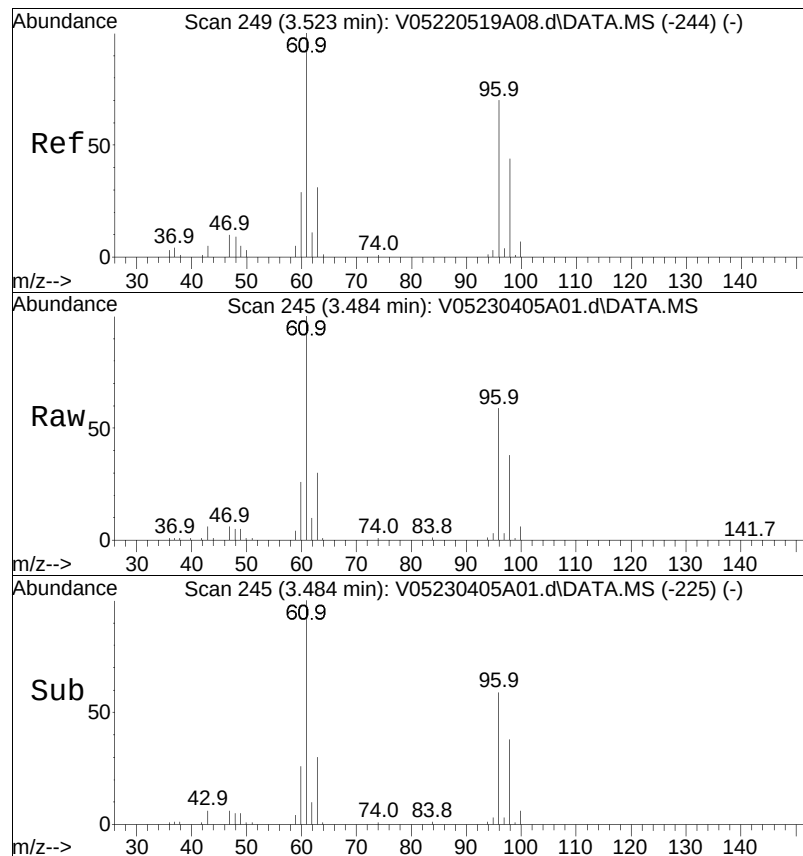




#17  
 Acetone  
 Concen: 8.61 ug/L  
 RT: 3.396 min Scan# 236  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

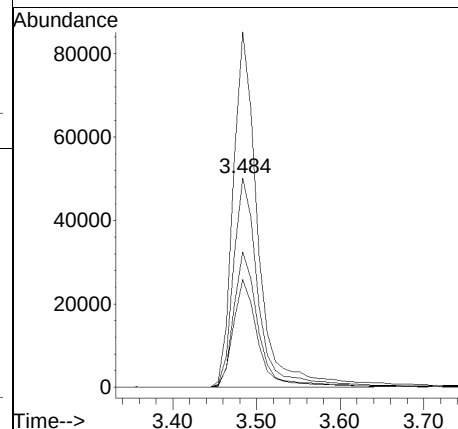
Tgt Ion: 43 Resp: 15491  
 Ion Ratio Lower Upper  
 43 100  
 58 37.8 22.0 33.0#

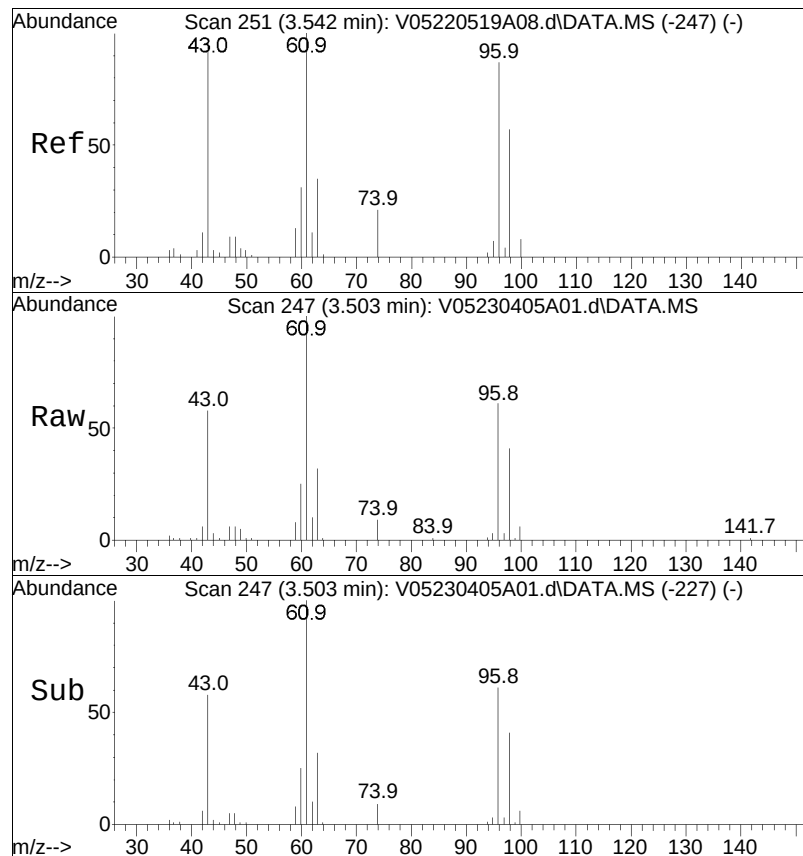




#18  
 trans-1,2-Dichloroethene  
 Concen: 11.04 ug/L  
 RT: 3.484 min Scan# 245  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

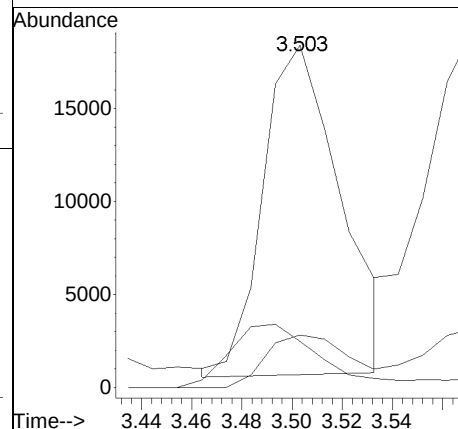
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 105258 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 168.2 | 91.7  | 190.5  |
| 98        | 63.8  | 41.1  | 85.5   |
| 63        | 51.5  | 29.4  | 61.0   |

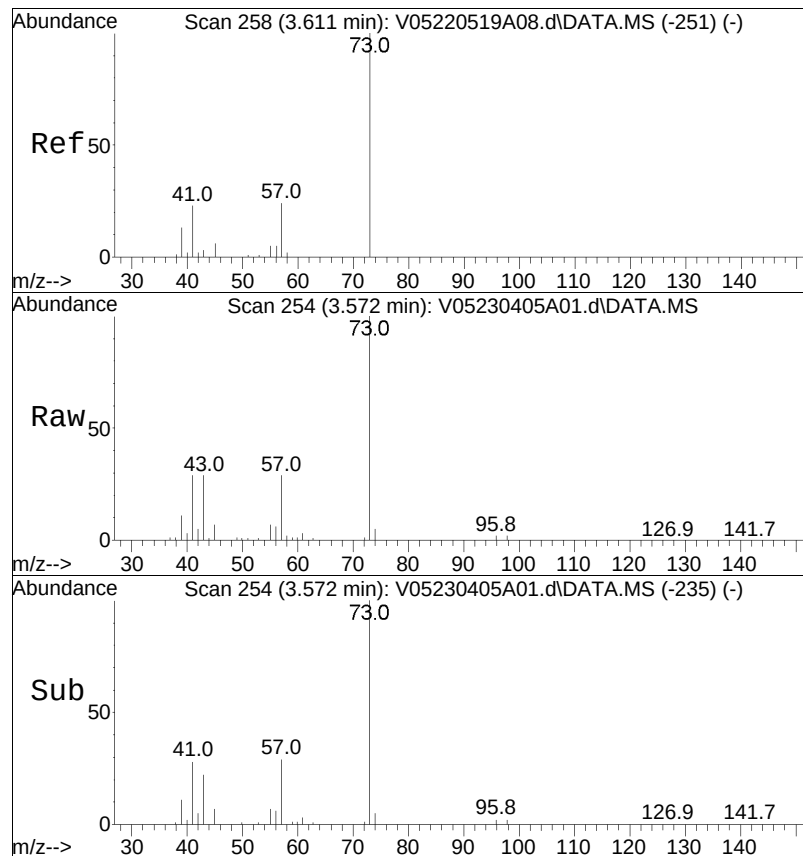




#19  
Methyl acetate  
Concen: 9.14 ug/L  
RT: 3.503 min Scan# 247  
Delta R.T. 0.000 min  
Lab File: V05230405A01.d  
Acq: 5 Apr 2023 6:58 am

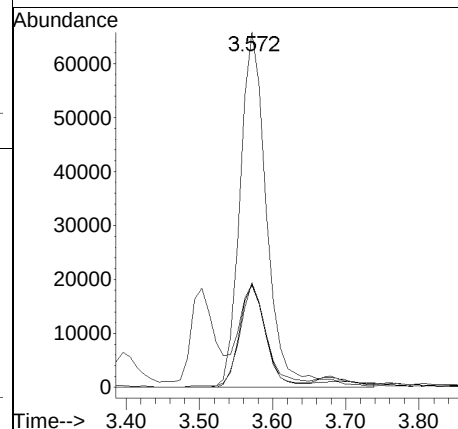
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 38115 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 74        | 17.1  | 23.1  | 34.7# |
| 59        | 25.2  | 23.9  | 35.9  |

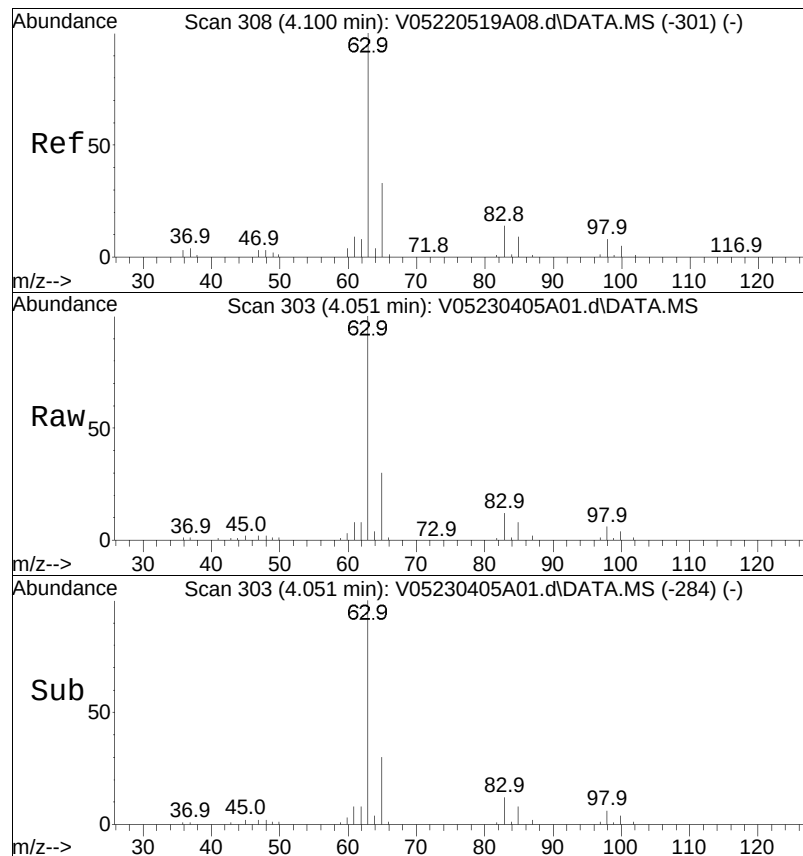




#20  
Methyl tert-butyl ether  
Concen: 9.54 ug/L  
RT: 3.572 min Scan# 254  
Delta R.T. -0.010 min  
Lab File: V05230405A01.d  
Acq: 5 Apr 2023 6:58 am

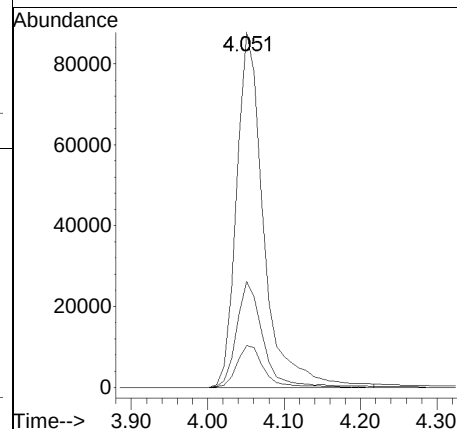
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 73    | Resp: | 170210 |
| Ion Ratio | Lower | Upper |        |
| 73        | 100   |       |        |
| 57        | 27.8  | 11.8  | 24.6#  |
| 43        | 27.7  | 13.5  | 27.9   |
| 41        | 28.3  | 13.3  | 27.5#  |

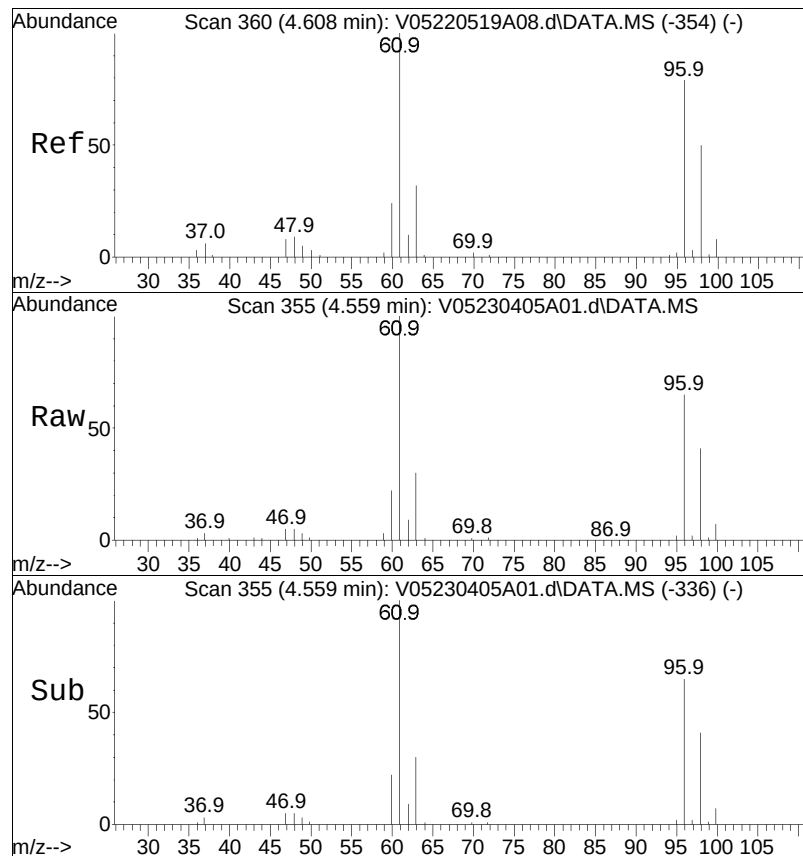




#23  
 1,1-Dichloroethane  
 Concen: 11.85 ug/L  
 RT: 4.051 min Scan# 303  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

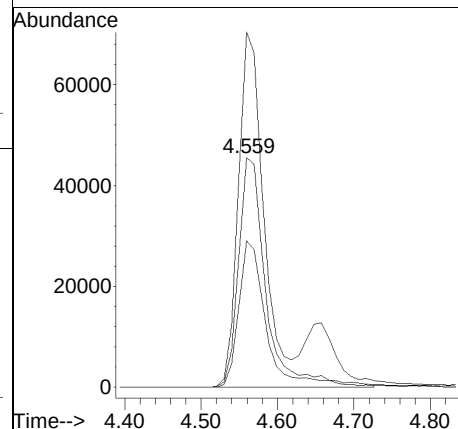
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 63 | Resp: | 217834 |
| Ion | Ratio   | Lower | Upper  |
| 63  | 100     |       |        |
| 65  | 29.0    | 11.9  | 51.9   |
| 83  | 11.9    | 0.0   | 34.2   |

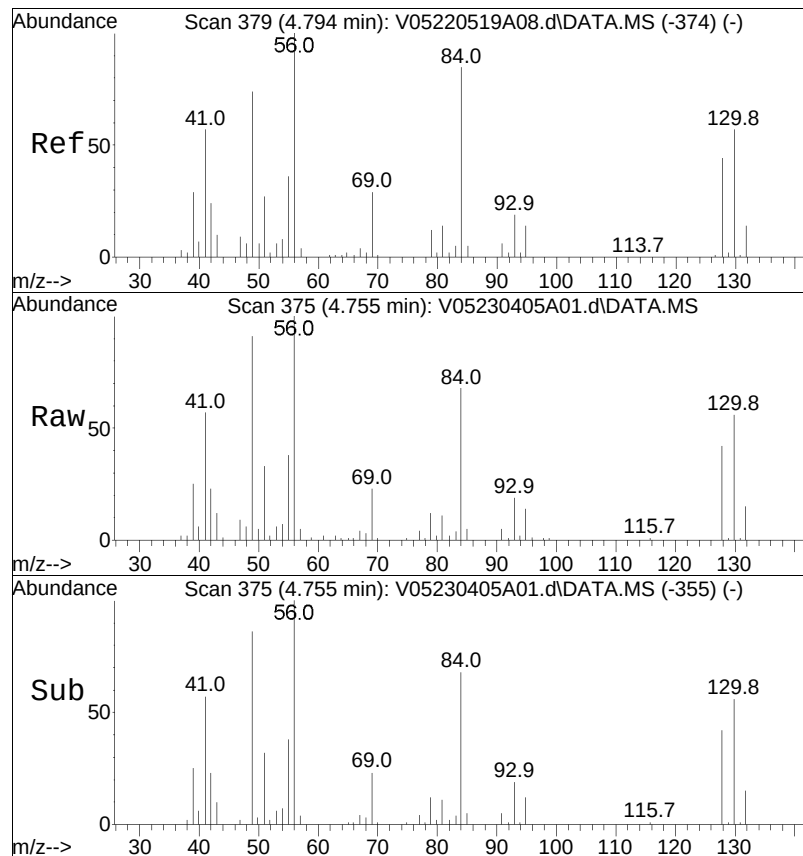




#28  
 cis-1,2-Dichloroethene  
 Concen: 10.76 ug/L  
 RT: 4.559 min Scan# 355  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

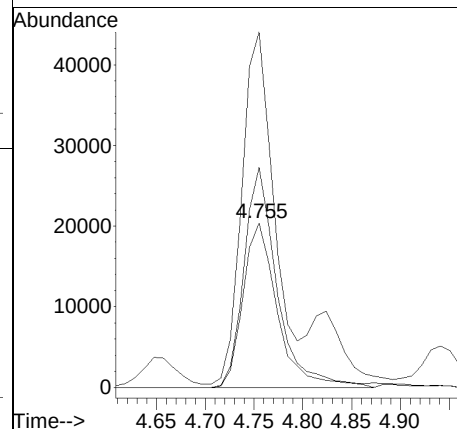
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 114534 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 141.1 | 100.5 | 150.7  |
| 98        | 64.0  | 49.8  | 74.8   |

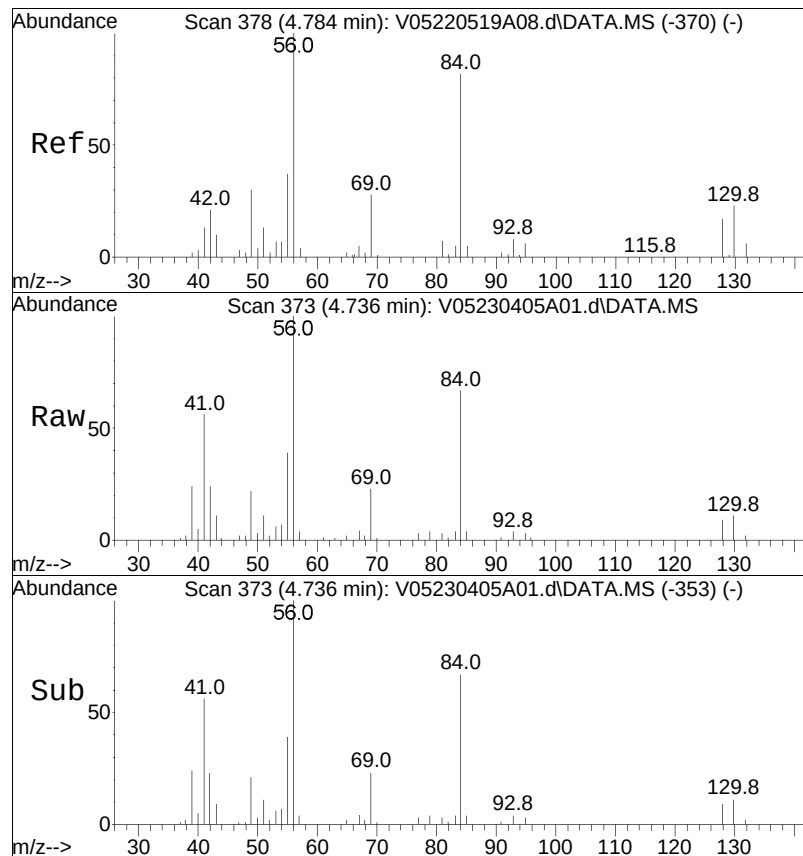




#30  
 Bromochloromethane  
 Concen: 10.32 ug/L  
 RT: 4.755 min Scan# 375  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

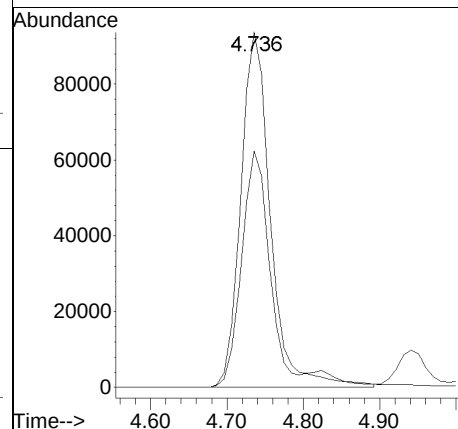
| Tgt | Ion   | Ratio | Lower  | Upper |
|-----|-------|-------|--------|-------|
| 128 | 100   |       |        |       |
| 49  | 197.4 | 109.0 | 163.4# |       |
| 130 | 128.1 | 105.6 | 158.4  |       |



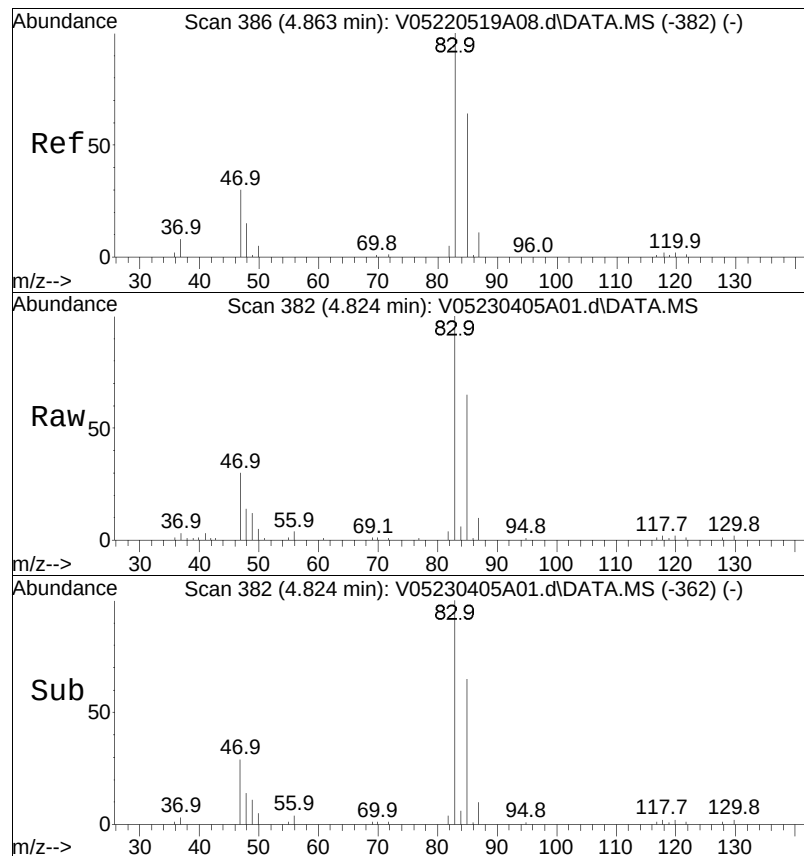


#31  
 Cyclohexane  
 Concen: 13.02 ug/L  
 RT: 4.736 min Scan# 373  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 56      | 100   |       |        |
| 84      | 62.4  | 64.4  | 133.8# |

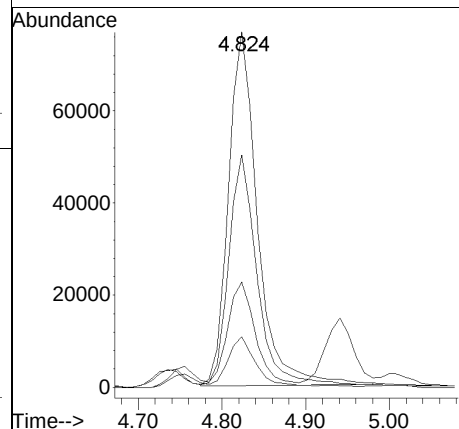


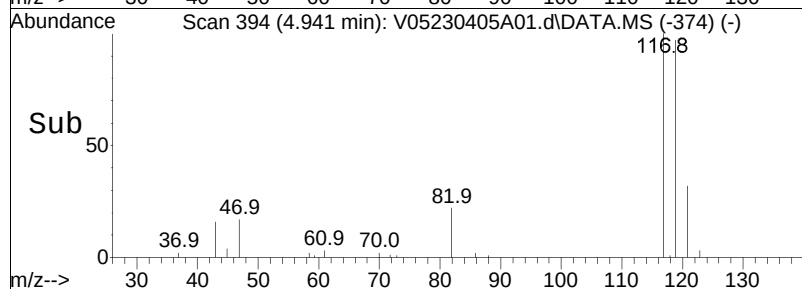
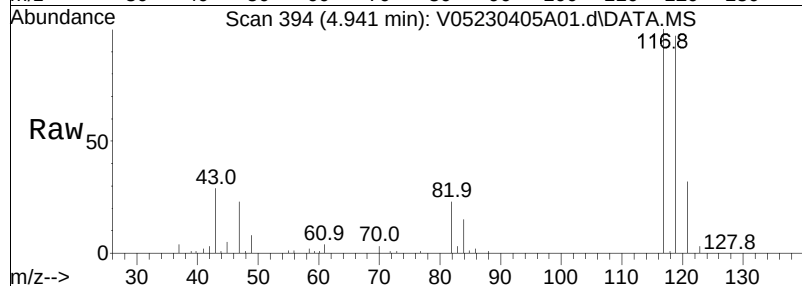
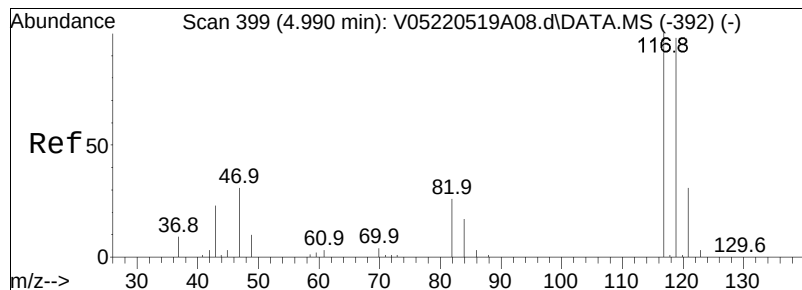




#32  
 Chloroform  
 Concen: 11.13 ug/L  
 RT: 4.824 min Scan# 382  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 83 | Resp: | 185910 |
| Ion | Ratio   | Lower | Upper  |
| 83  | 100     |       |        |
| 85  | 63.4    | 42.8  | 89.0   |
| 47  | 26.5    | 13.7  | 28.4   |
| 48  | 13.0    | 6.9   | 14.3   |





#34

Carbon tetrachloride

Concen: 11.68 ug/L

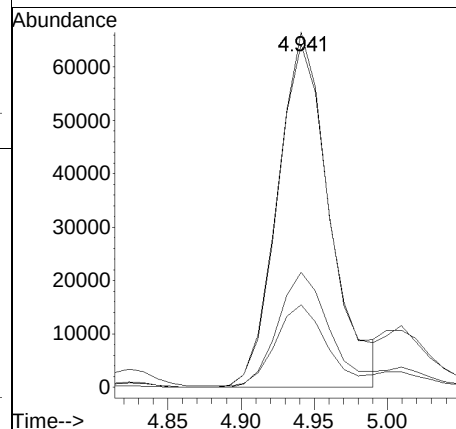
RT: 4.941 min Scan# 394

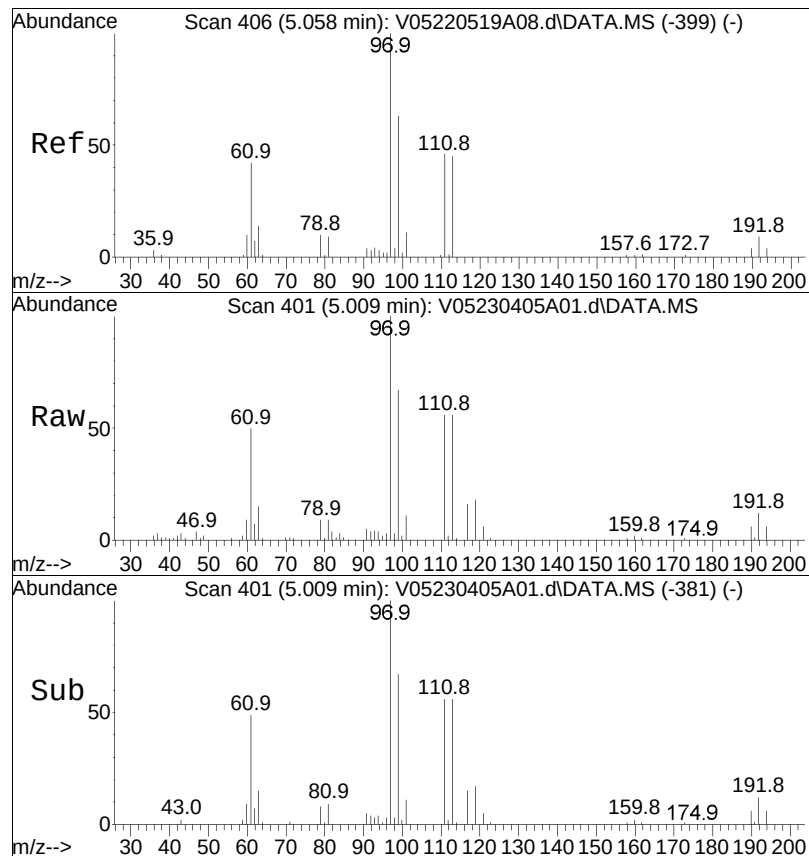
Delta R.T. 0.000 min

Lab File: V05230405A01.d

Acq: 5 Apr 2023 6:58 am

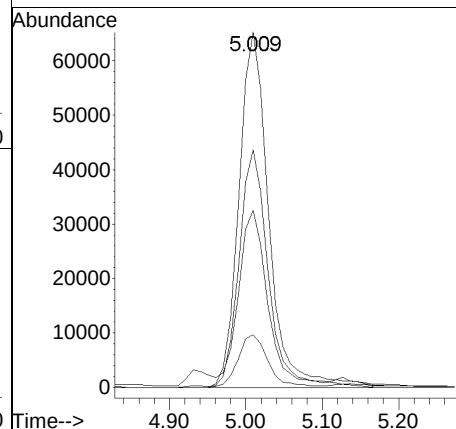
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:117 | Resp: | 164448 |
| Ion | Ratio   | Lower | Upper  |
| 117 | 100     |       |        |
| 119 | 97.9    | 63.6  | 132.2  |
| 121 | 32.5    | 19.8  | 41.0   |
| 82  | 22.0    | 15.9  | 32.9   |

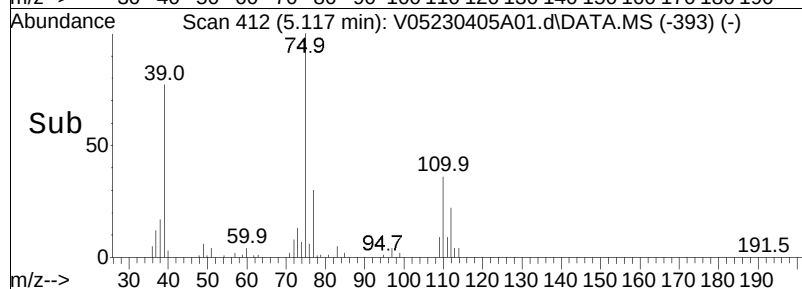
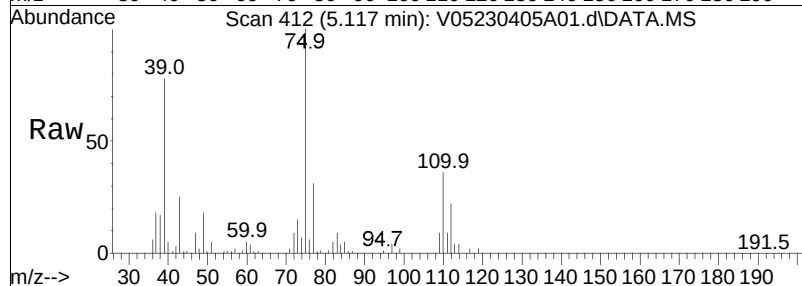
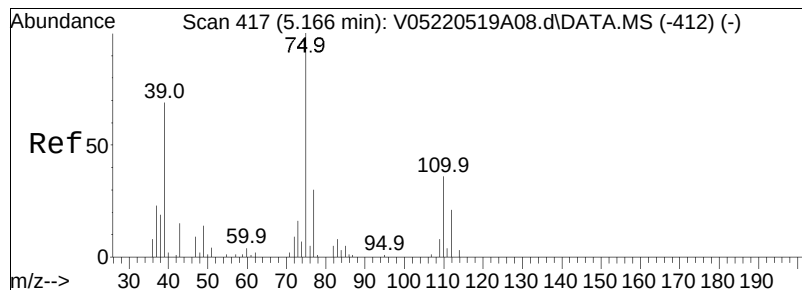




#37  
 1,1,1-Trichloroethane  
 Concen: 11.81 ug/L  
 RT: 5.009 min Scan# 401  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

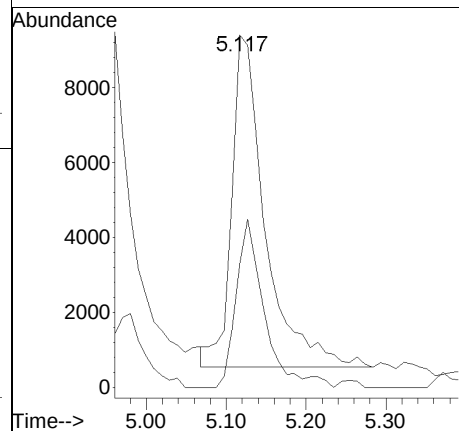
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 178311 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.5  | 41.7  | 86.5   |
| 61       | 47.6  | 26.1  | 54.3   |
| 63       | 14.7  | 8.5   | 17.6   |

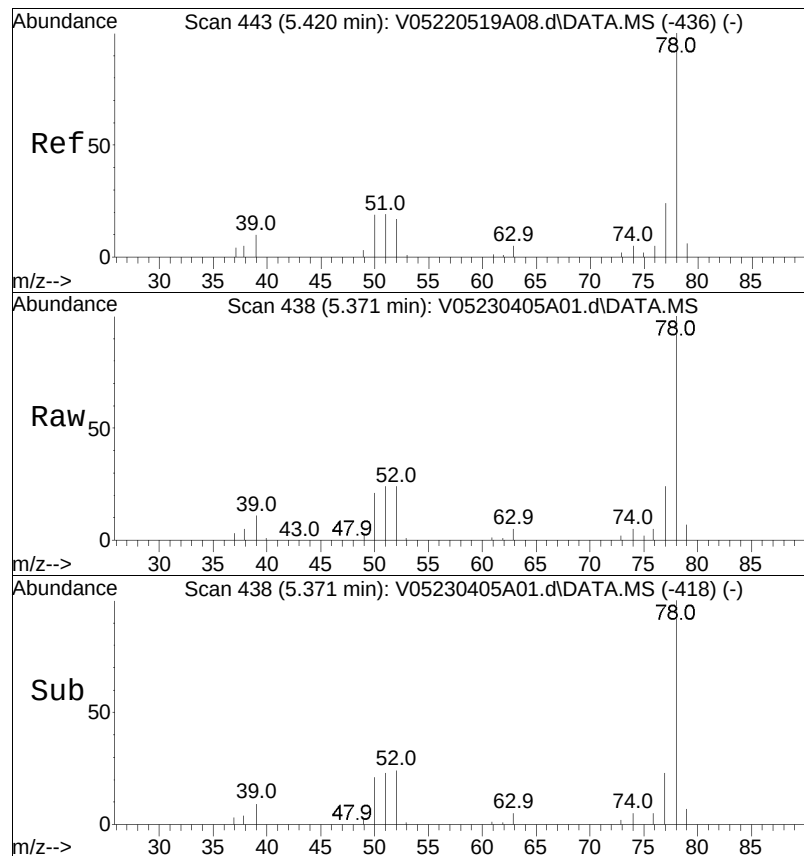




#39  
 2-Butanone  
 Concen: 8.50 ug/L  
 RT: 5.117 min Scan# 412  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

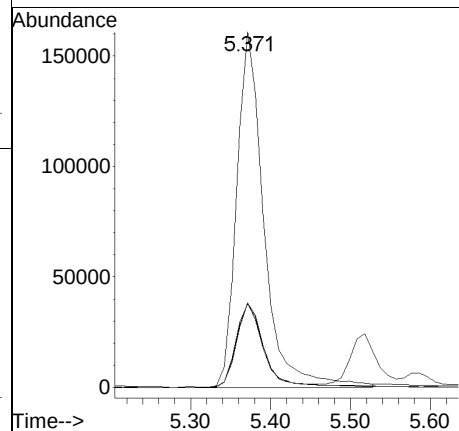
Tgt Ion: 43 Resp: 25900  
 Ion Ratio Lower Upper  
 43 100  
 72 42.1 55.6 83.4#

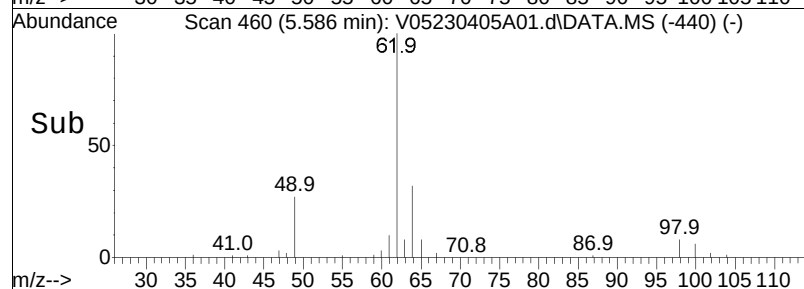
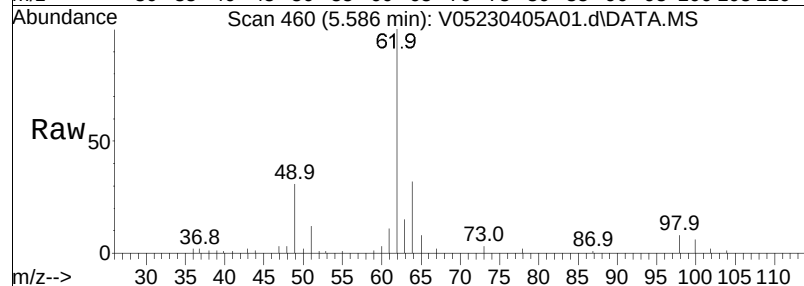
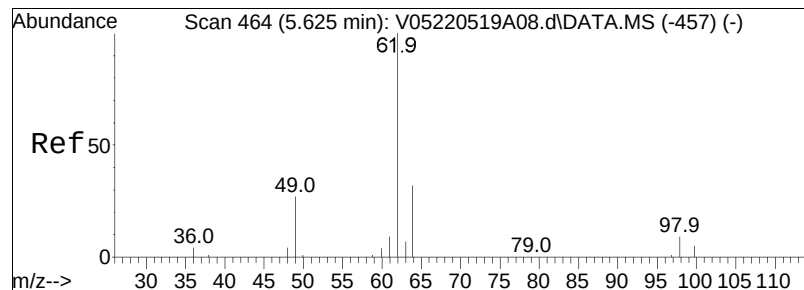




#41  
Benzene  
Concen: 10.33 ug/L  
RT: 5.371 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: V05230405A01.d  
Acq: 5 Apr 2023 6:58 am

|             |              |
|-------------|--------------|
| Tgt Ion: 78 | Resp: 382954 |
| Ion Ratio   | Lower Upper  |
| 78 100      |              |
| 77 23.6     | 15.2 31.6    |
| 51 23.7     | 10.5 21.7#   |
| 52 23.5     | 9.5 19.7#    |





#44

1,2-Dichloroethane

Concen: 11.18 ug/L

RT: 5.586 min Scan# 460

Delta R.T. 0.000 min

Lab File: V05230405A01.d

Acq: 5 Apr 2023 6:58 am

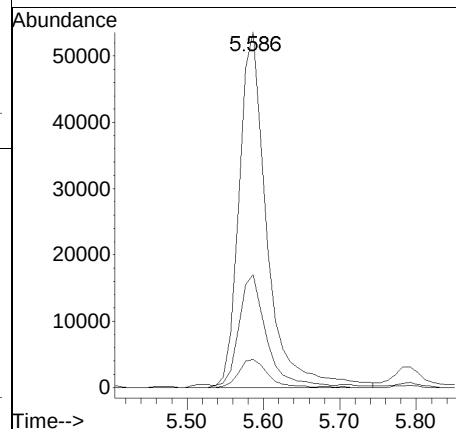
Tgt Ion: 62 Resp: 135993

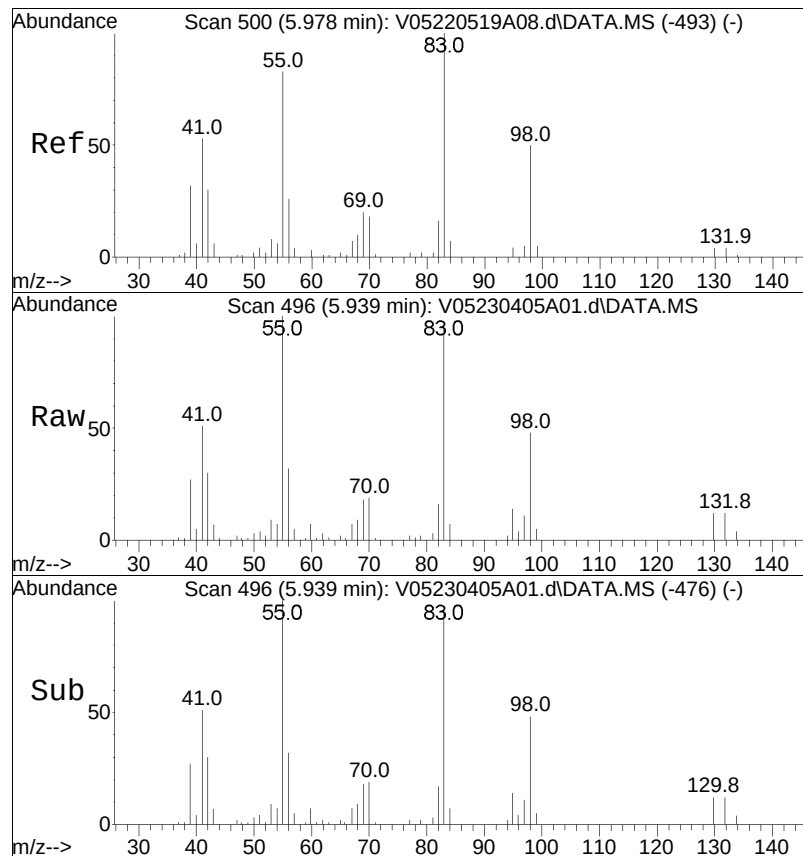
Ion Ratio Lower Upper

62 100

64 32.2 13.2 53.2

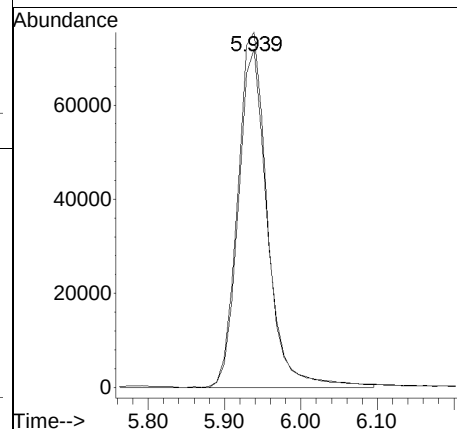
98 8.1 0.0 27.8

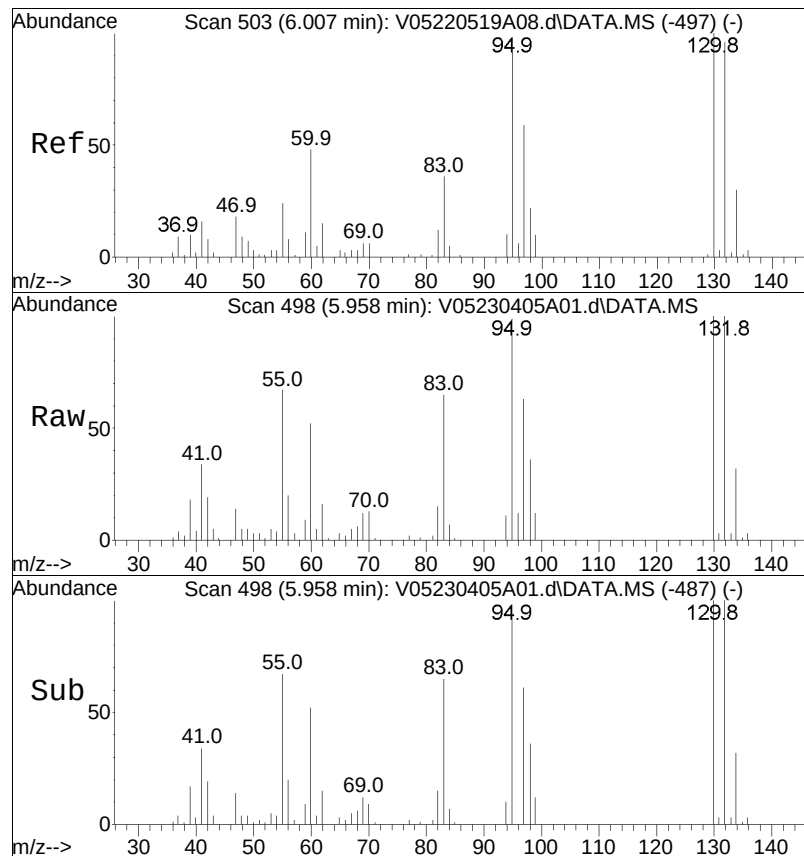




#47  
Methyl cyclohexane  
Concen: 11.11 ug/L  
RT: 5.939 min Scan# 496  
Delta R.T. 0.000 min  
Lab File: V05230405A01.d  
Acq: 5 Apr 2023 6:58 am

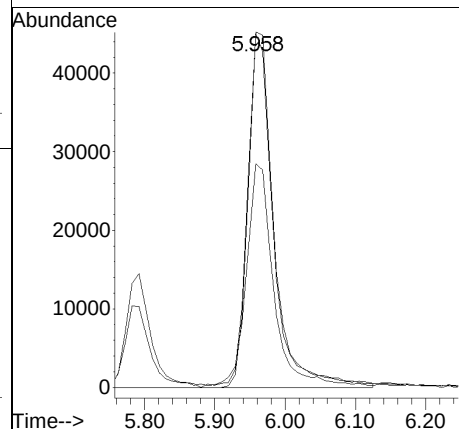
| Tgt | Ion   | Resp | Lower | Upper |
|-----|-------|------|-------|-------|
| 83  | 100   |      |       |       |
| 55  | 106.8 | 57.3 | 85.9# |       |



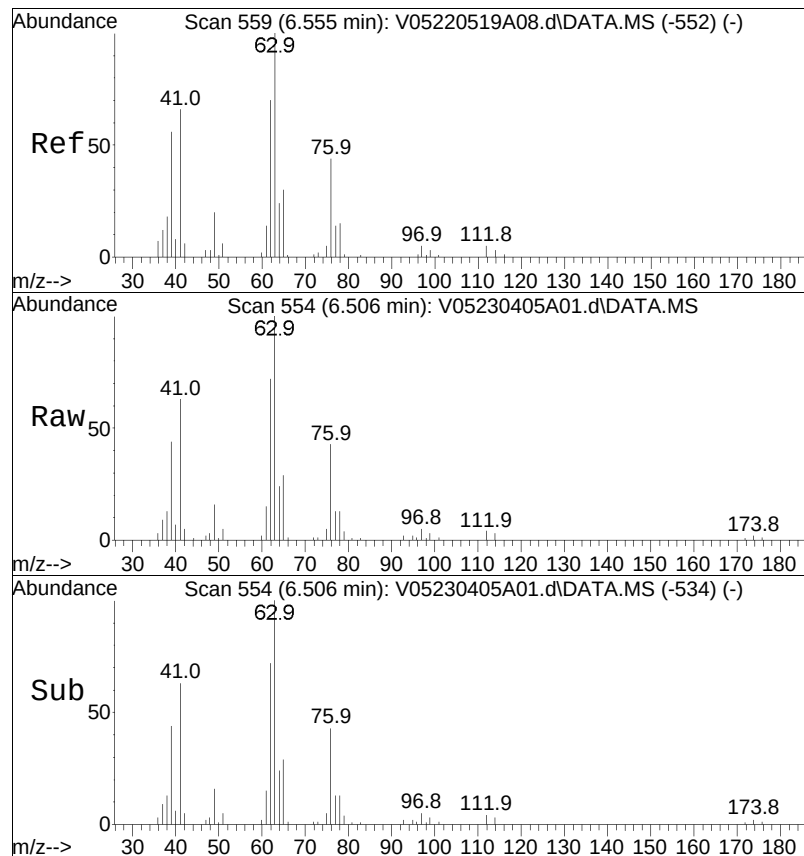


#48  
 Trichloroethene  
 Concen: 11.69 ug/L  
 RT: 5.958 min Scan# 498  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 116665 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 97        | 63.8  | 56.1  | 84.1   |
| 130       | 99.9  | 77.7  | 116.5  |

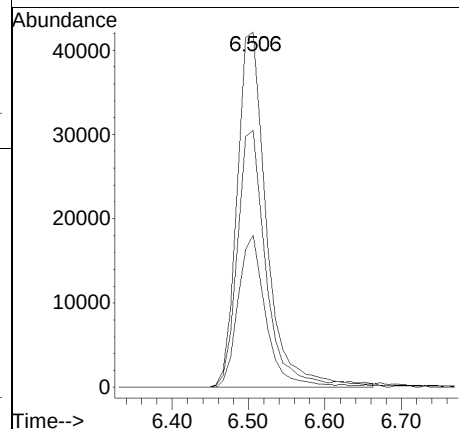


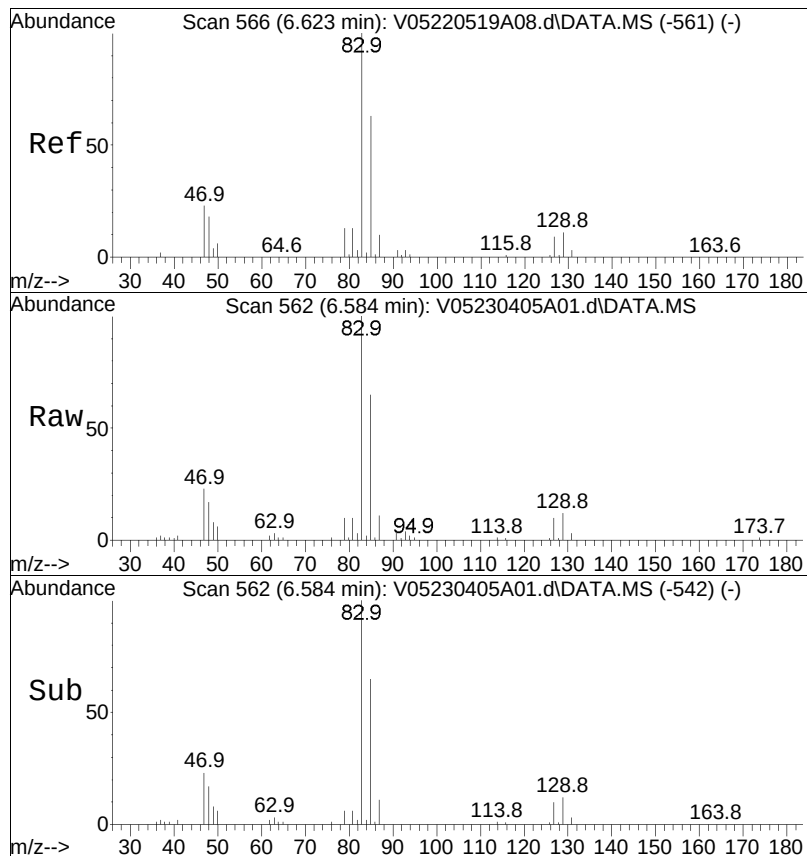




#51  
 1,2-Dichloropropane  
 Concen: 10.86 ug/L  
 RT: 6.506 min Scan# 554  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

| Tgt Ion:  | 63    | Resp: | 113598 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 62        | 70.7  | 57.0  | 85.4   |
| 76        | 40.5  | 48.4  | 72.6#  |





#54

Bromodichloromethane

Concen: 10.22 ug/L

RT: 6.584 min Scan# 562

Delta R.T. 0.000 min

Lab File: V05230405A01.d

Acq: 5 Apr 2023 6:58 am

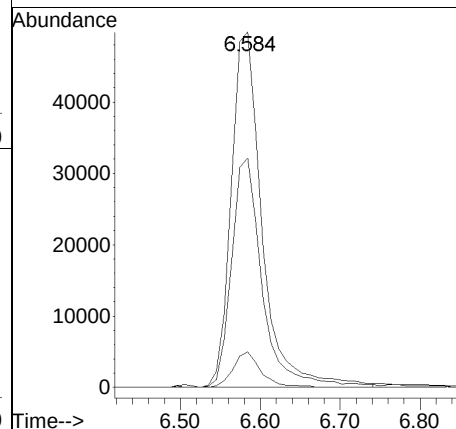
Tgt Ion: 83 Resp: 134663

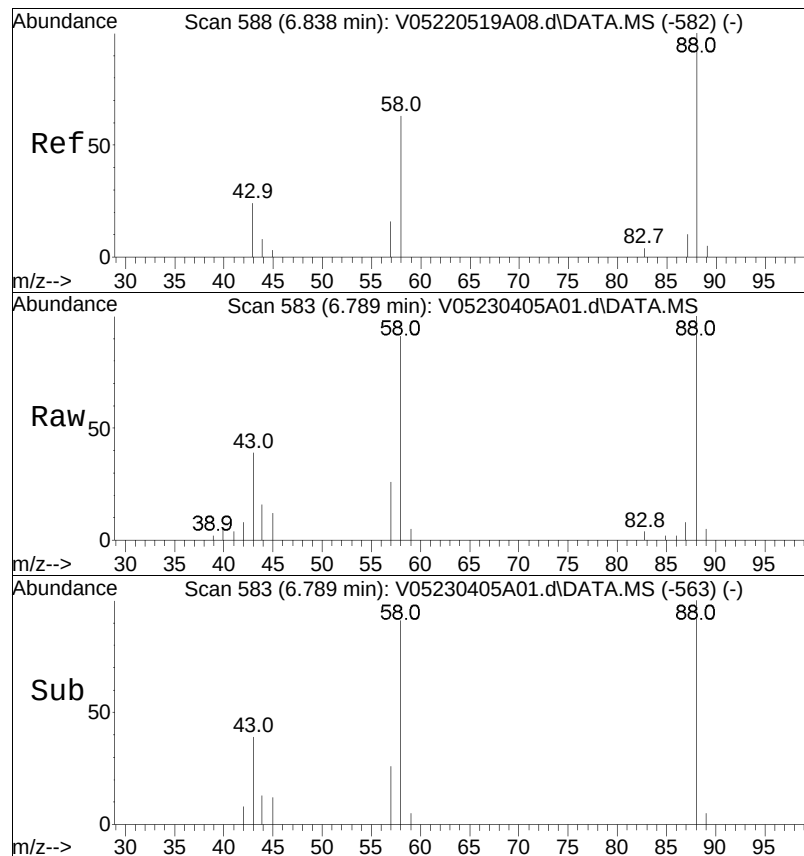
Ion Ratio Lower Upper

83 100

85 64.0 51.0 76.6

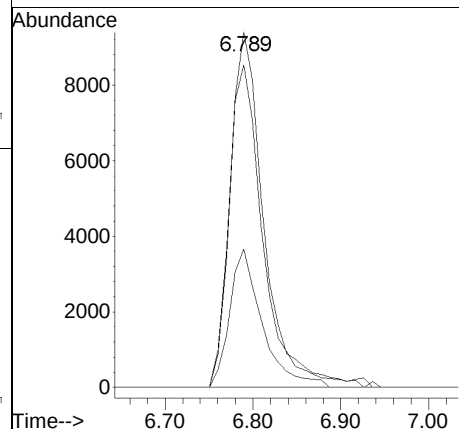
127 9.1 6.7 10.1

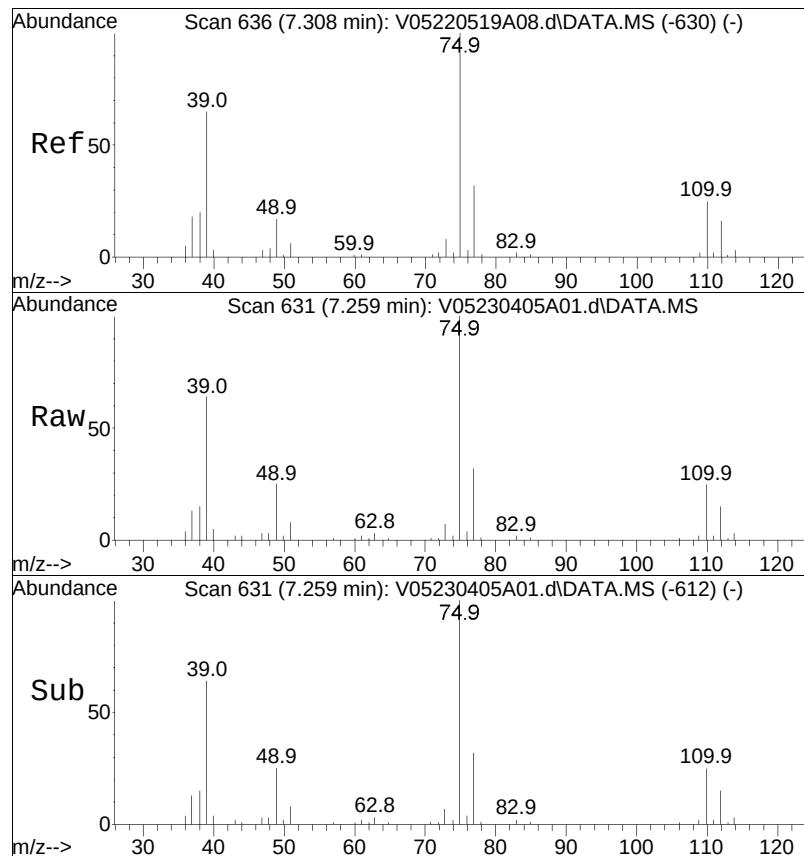




#57  
 1,4-Dioxane  
 Concen: 481.15 ug/L  
 RT: 6.789 min Scan# 583  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

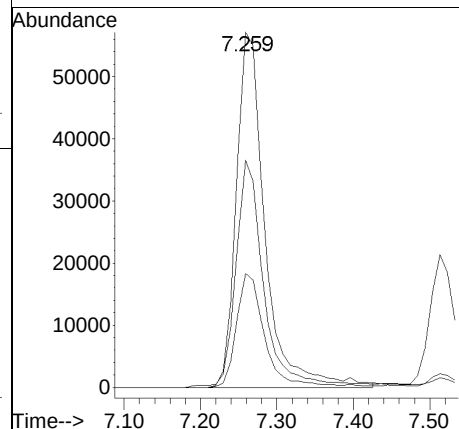
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 25439 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 89.7  | 50.6  | 75.8# |
| 43        | 37.2  | 20.5  | 30.7# |

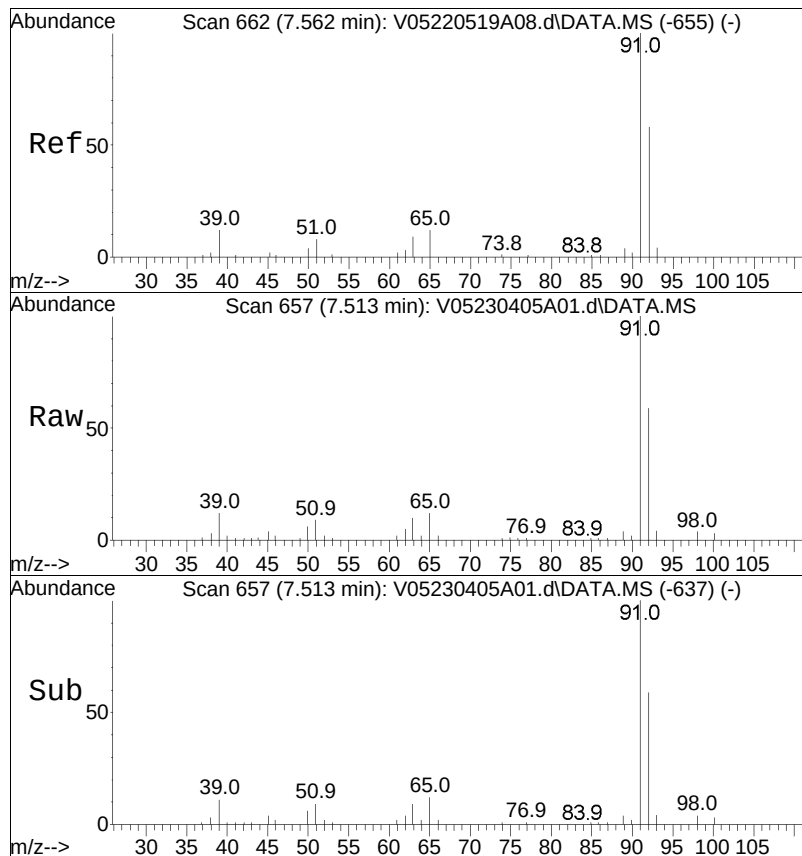




#58  
 cis-1,3-Dichloropropene  
 Concen: 9.72 ug/L  
 RT: 7.259 min Scan# 631  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

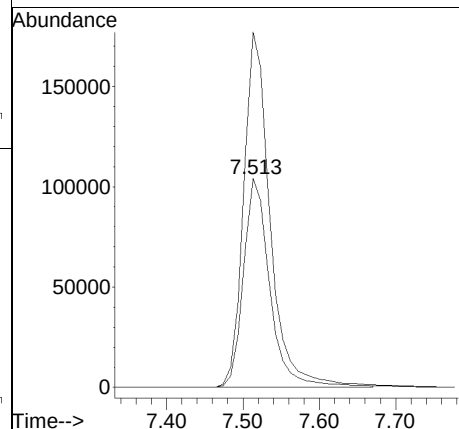
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 149532 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.6  | 25.5  | 38.3   |
| 39        | 62.6  | 40.4  | 60.6#  |

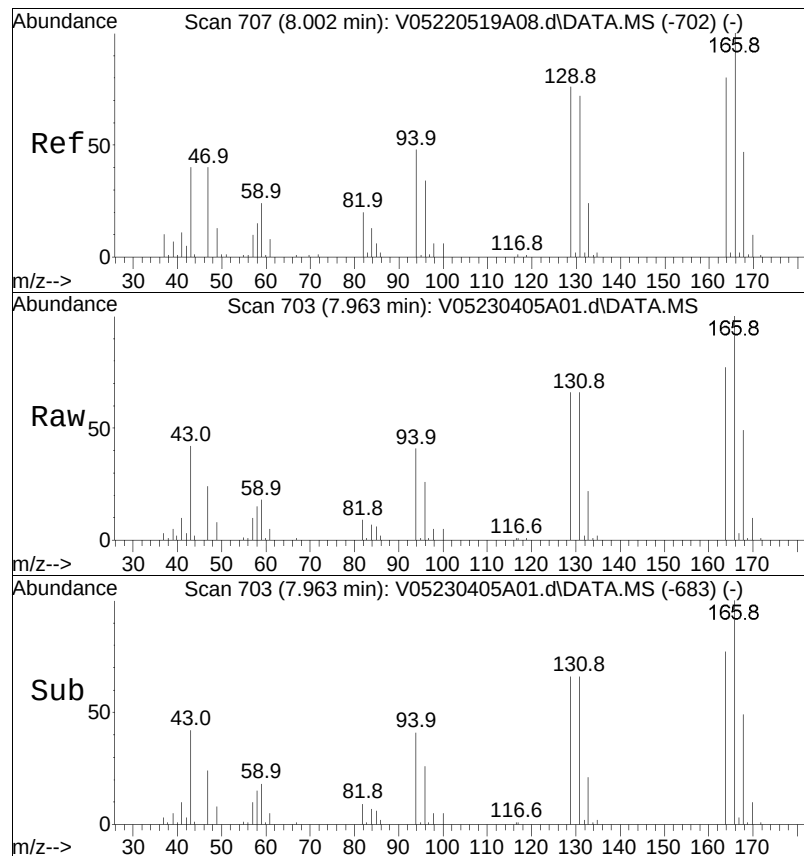




#61  
Toluene  
Concen: 9.95 ug/L  
RT: 7.513 min Scan# 657  
Delta R.T. 0.000 min  
Lab File: V05230405A01.d  
Acq: 5 Apr 2023 6:58 am

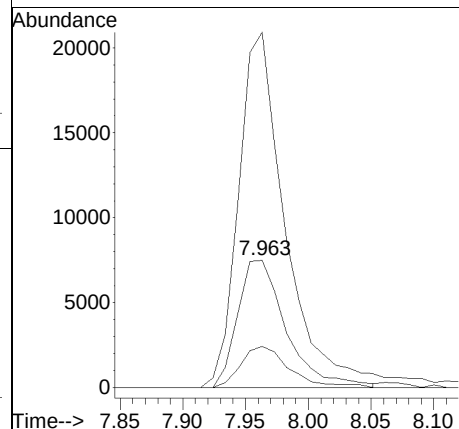
| Tgt | Ion   | Resp   | Lower | Upper |
|-----|-------|--------|-------|-------|
| 92  | 100   |        |       |       |
| 91  | 170.2 | 250991 | 135.2 | 202.8 |

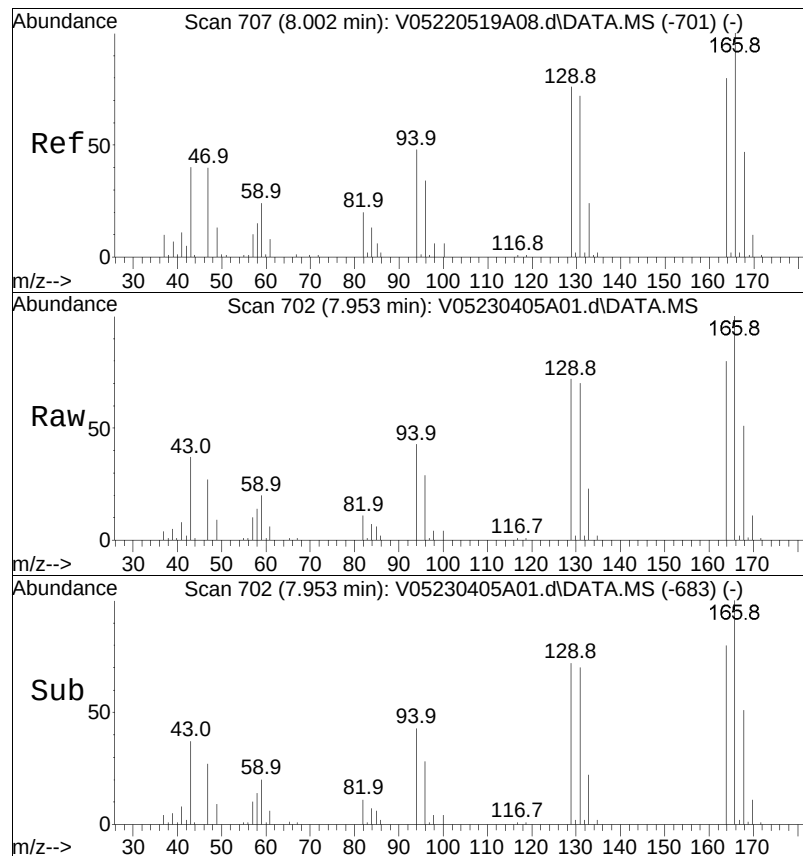




#62  
 4-Methyl-2-pentanone  
 Concen: 8.10 ug/L  
 RT: 7.963 min Scan# 703  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

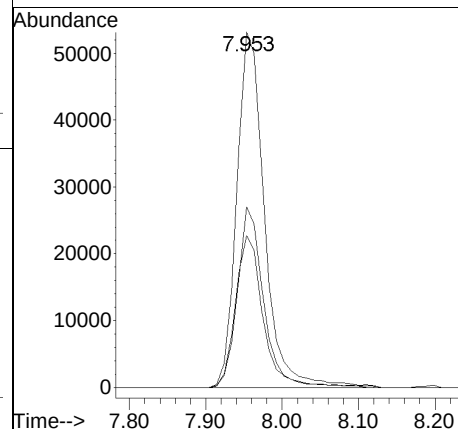
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 58    | Resp: | 20154 |
| Ion Ratio | Lower | Upper |       |
| 58        | 100   |       |       |
| 100       | 32.1  | 38.9  | 58.3# |
| 43        | 276.9 | 204.2 | 306.2 |

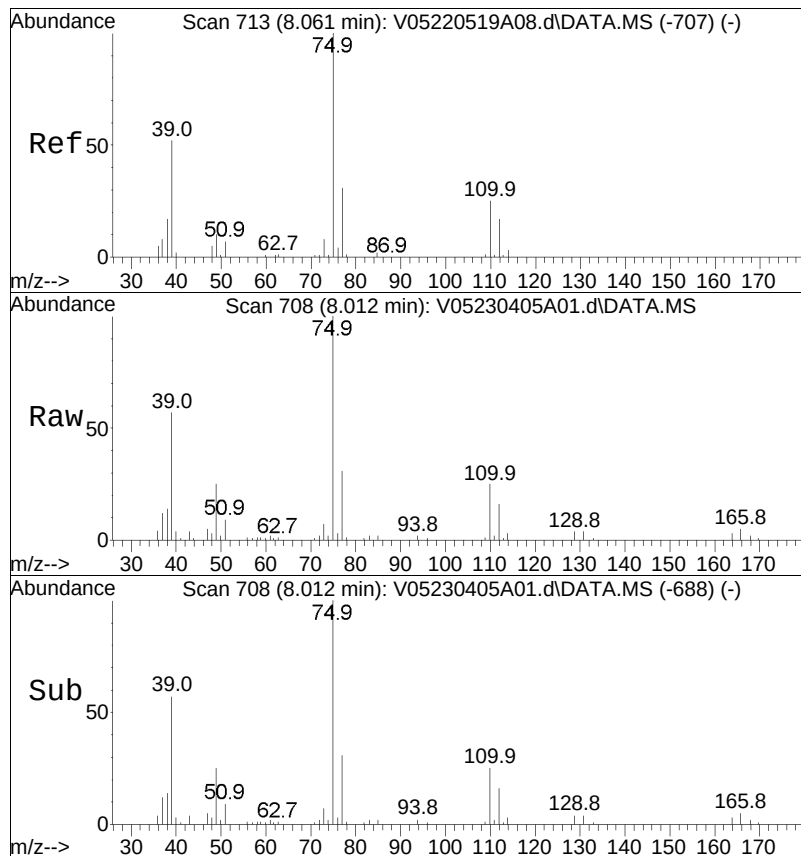




#63  
Tetrachloroethene  
Concen: 11.41 ug/L  
RT: 7.953 min Scan# 702  
Delta R.T. -0.010 min  
Lab File: V05230405A01.d  
Acq: 5 Apr 2023 6:58 am

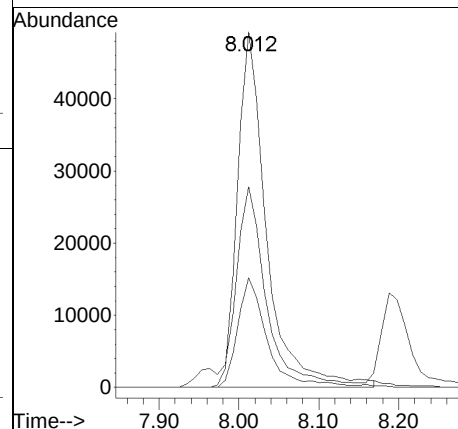
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:166 | Resp: | 134074 |
| Ion | Ratio   | Lower | Upper  |
| 166 | 100     |       |        |
| 168 | 48.3    | 30.2  | 70.2   |
| 94  | 42.5    | 32.5  | 72.5   |



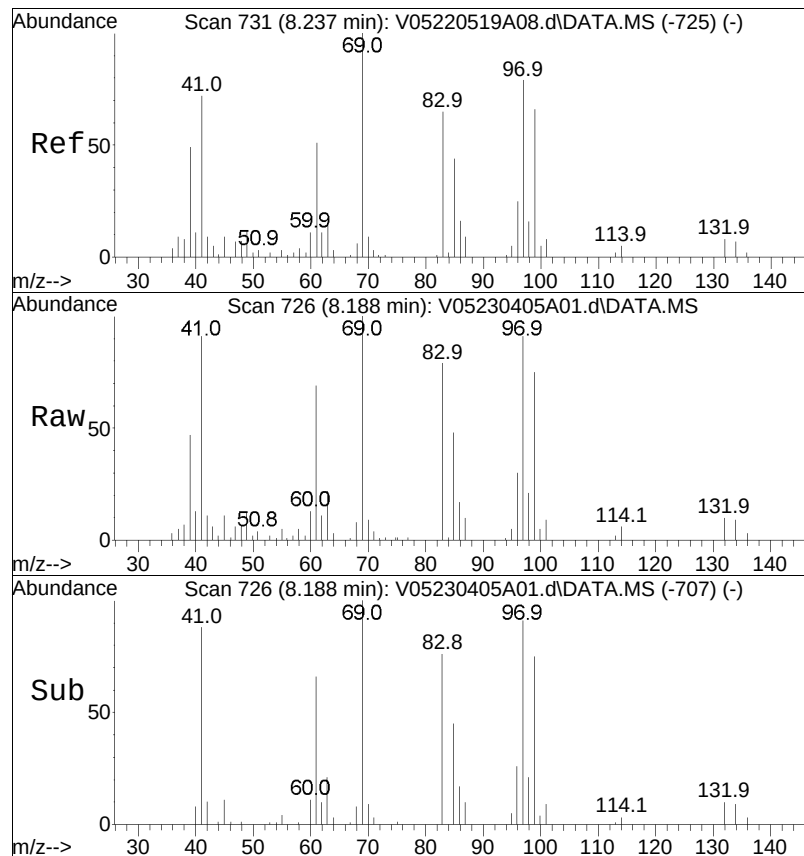


#65  
 trans-1,3-Dichloropropene  
 Concen: 9.17 ug/L  
 RT: 8.012 min Scan# 708  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 125436 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.4  | 11.5  | 51.5   |
| 39        | 62.1  | 29.3  | 69.3   |

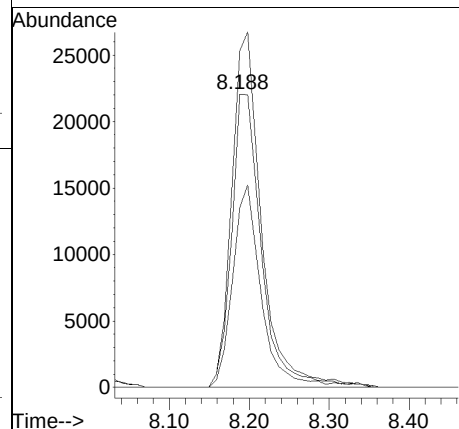


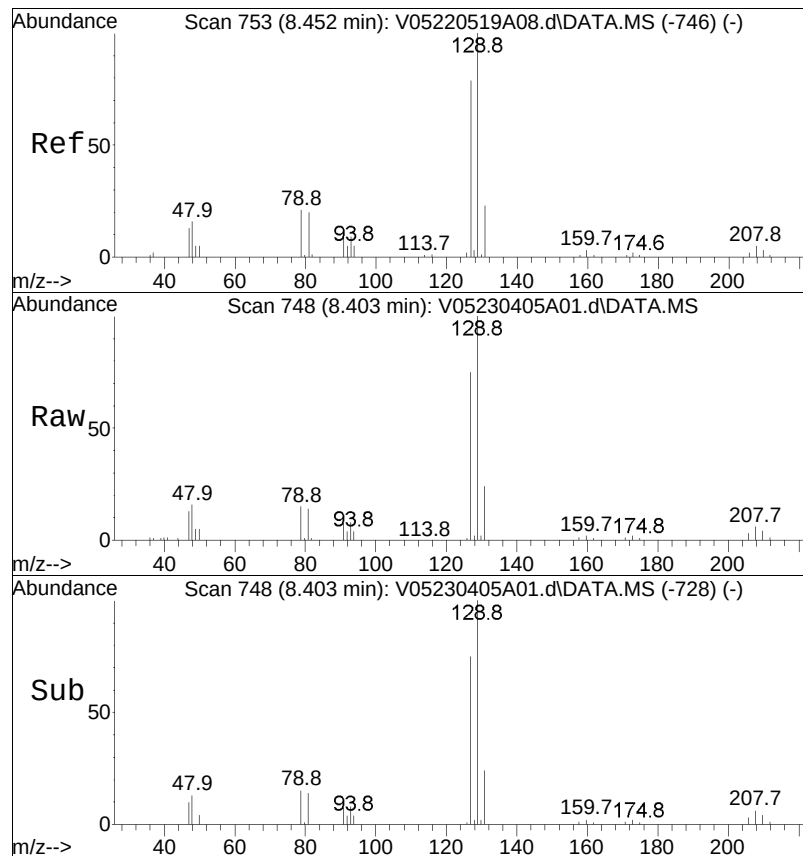




#68  
 1,1,2-Trichloroethane  
 Concen: 9.20 ug/L  
 RT: 8.188 min Scan# 726  
 Delta R.T. -0.010 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

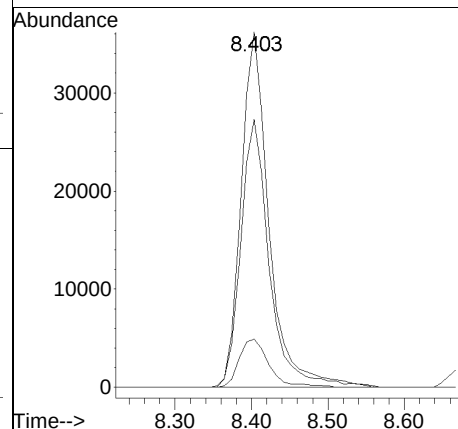
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 57620 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 97        | 119.8 | 102.2 | 142.2 |
| 85        | 66.4  | 47.5  | 87.5  |

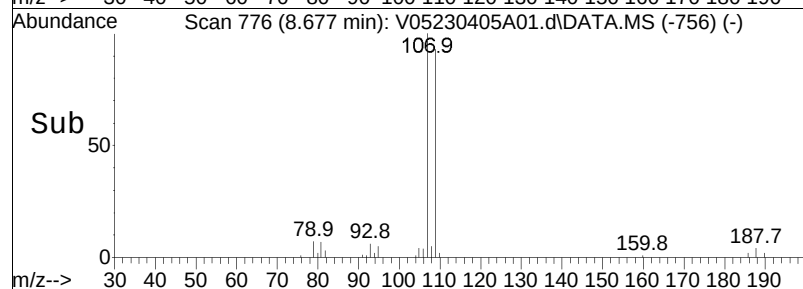
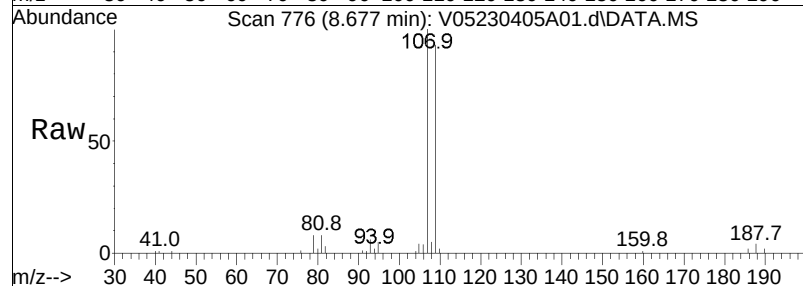
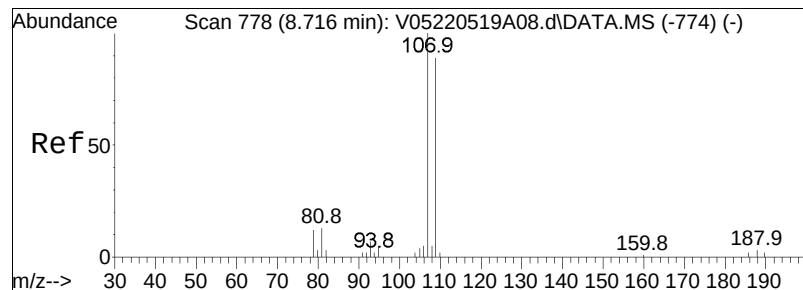




#69  
 Chlorodibromomethane  
 Concen: 8.93 ug/L  
 RT: 8.403 min Scan# 748  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

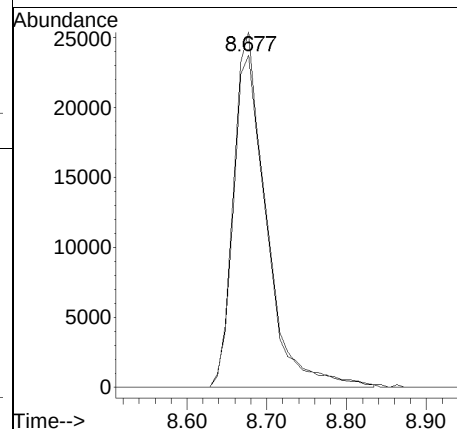
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:129 | Resp: | 92215 |
| Ion | Ratio   | Lower | Upper |
| 129 | 100     |       |       |
| 81  | 14.6    | 0.0   | 37.0  |
| 127 | 76.9    | 58.3  | 98.3  |

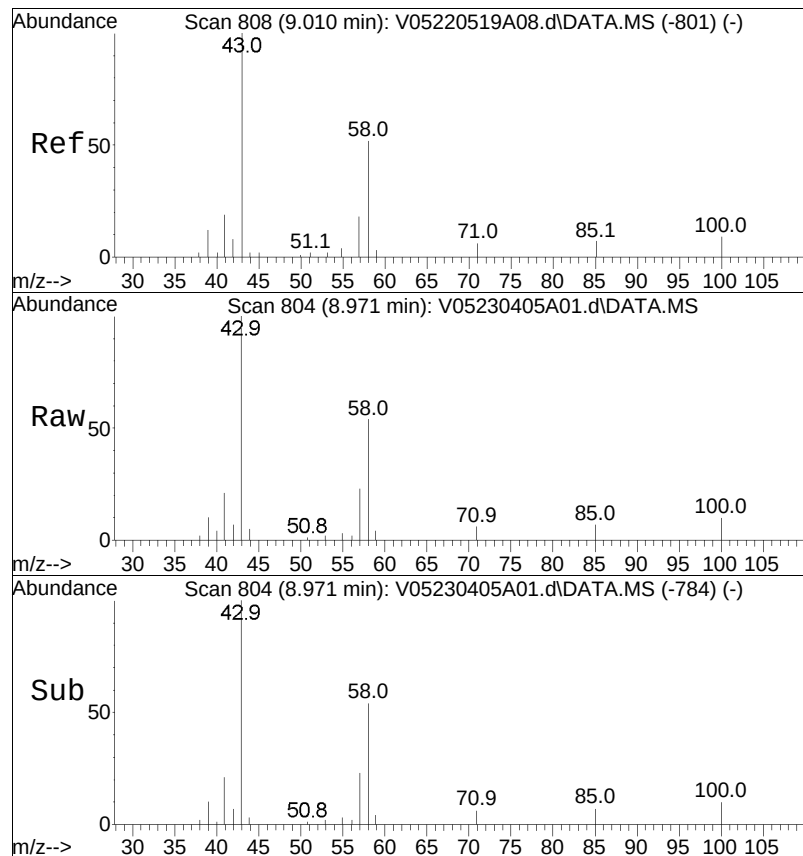




#71  
 1,2-Dibromoethane  
 Concen: 8.81 ug/L  
 RT: 8.677 min Scan# 776  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

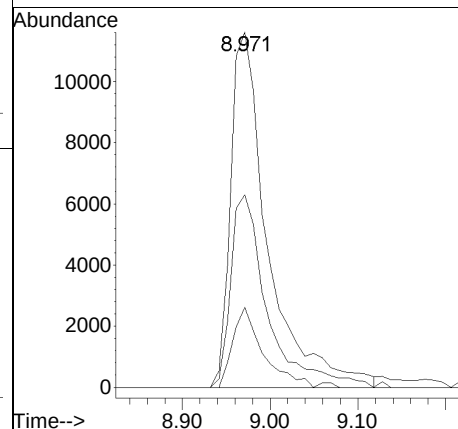
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.0  | 75.0  | 112.6 |

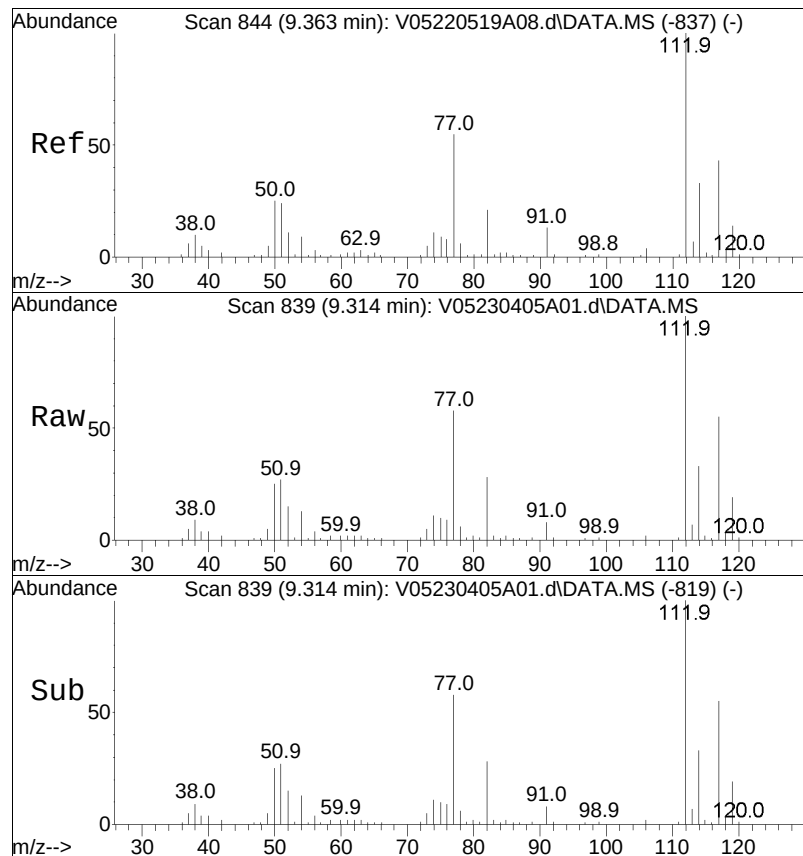




#72  
 2-Hexanone  
 Concen: 7.39 ug/L  
 RT: 8.971 min Scan# 804  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

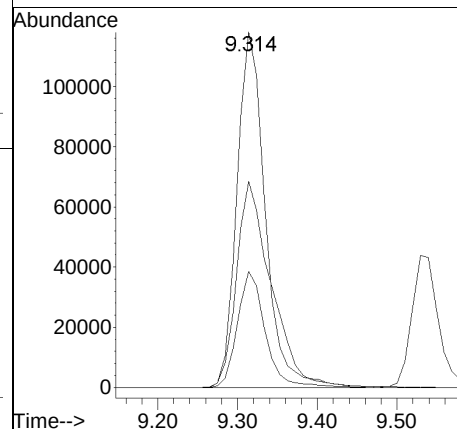
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 34346 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 53.3  | 42.3  | 63.5  |
| 57        | 18.9  | 15.6  | 23.4  |

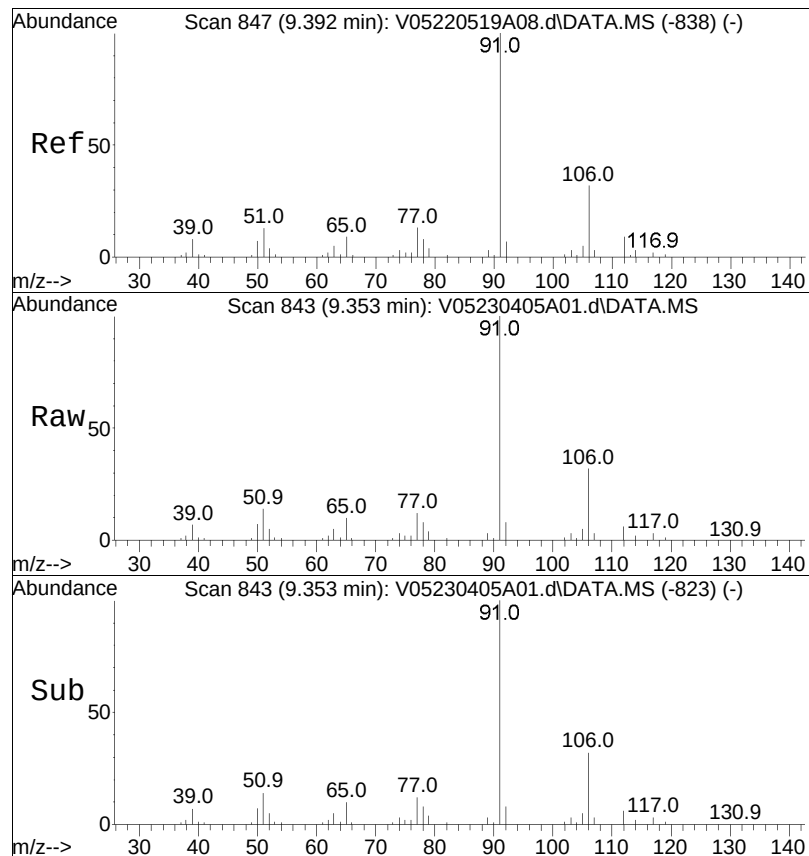




#73  
 Chlorobenzene  
 Concen: 10.01 ug/L  
 RT: 9.314 min Scan# 839  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:112 | Resp: | 291955 |
| Ion | Ratio   | Lower | Upper  |
| 112 | 100     |       |        |
| 77  | 70.7    | 66.1  | 99.1   |
| 114 | 31.9    | 25.4  | 38.0   |





#74

Ethylbenzene

Concen: 10.17 ug/L

RT: 9.353 min Scan# 843

Delta R.T. 0.000 min

Lab File: V05230405A01.d

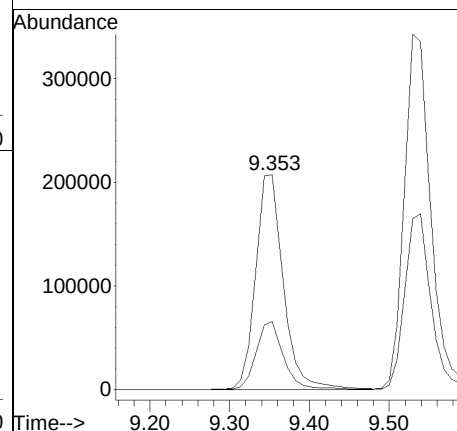
Acq: 5 Apr 2023 6:58 am

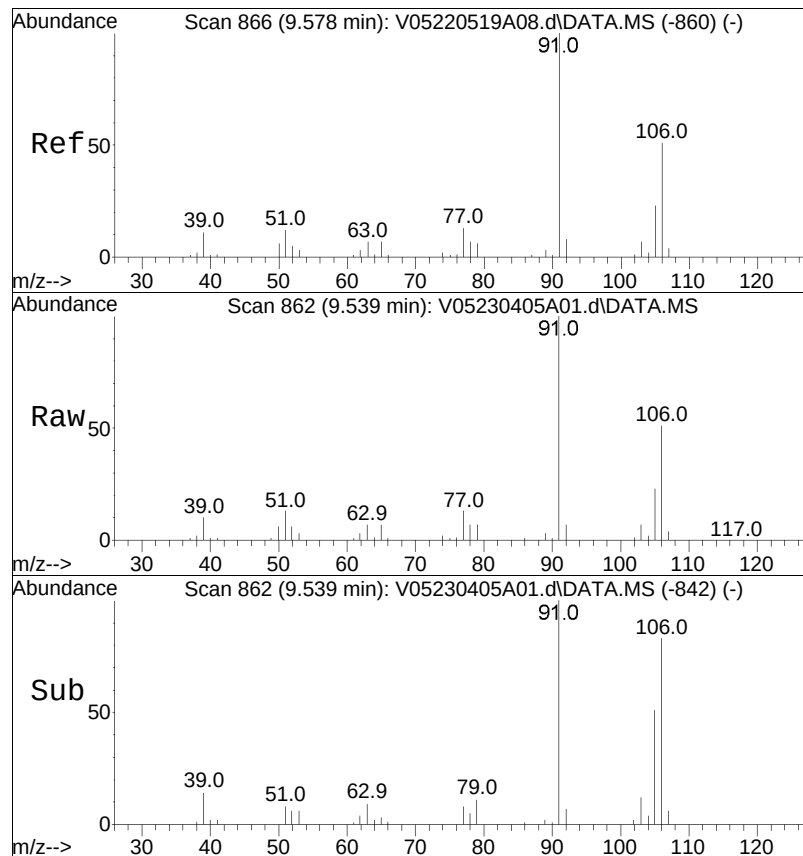
Tgt Ion: 91 Resp: 500536

Ion Ratio Lower Upper

91 100

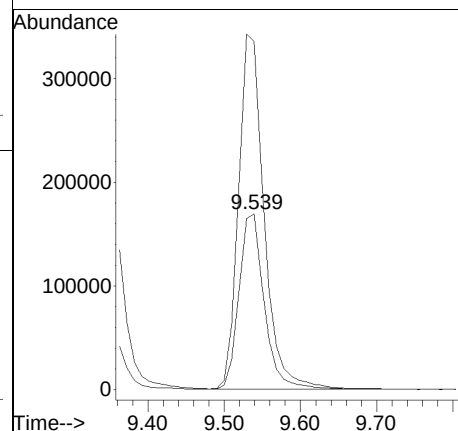
106 31.0 22.9 34.3

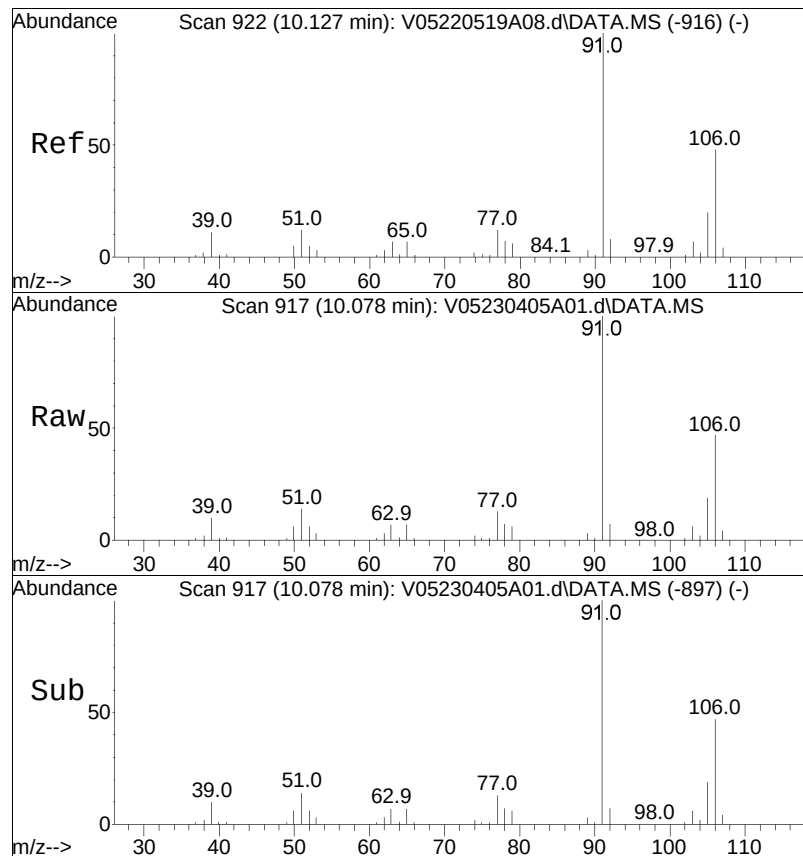




#76  
 p/m Xylene  
 Concen: 20.46 ug/L  
 RT: 9.539 min Scan# 862  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

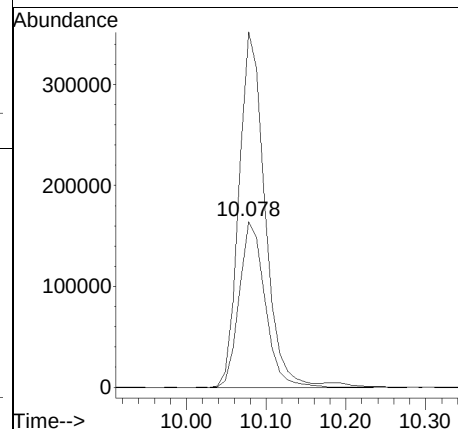
| Tgt | Ion   | Ratio | Lower | Upper |
|-----|-------|-------|-------|-------|
| 106 | 100   |       |       |       |
| 91  | 203.6 | 177.2 | 265.8 |       |



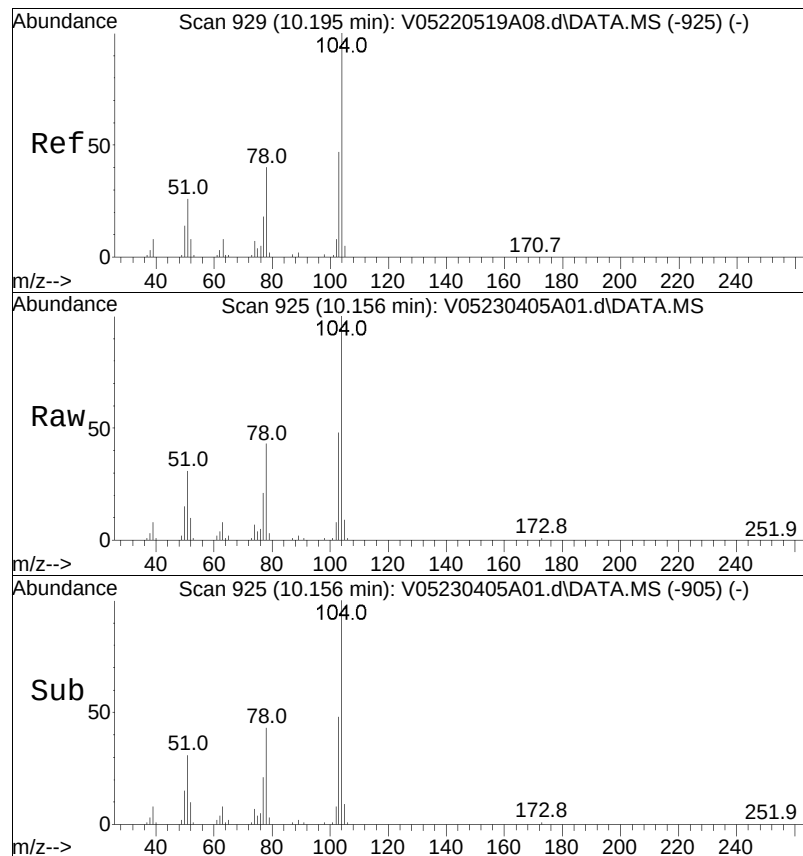


#77  
 o Xylene  
 Concen: 19.97 ug/L  
 RT: 10.078 min Scan# 917  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

| Tgt Ion | 106   | 91 | Ratio | 100 | Resp | 370958 |
|---------|-------|----|-------|-----|------|--------|
| Lower   | 187.0 |    |       |     |      |        |
| Upper   | 280.6 |    |       |     |      |        |

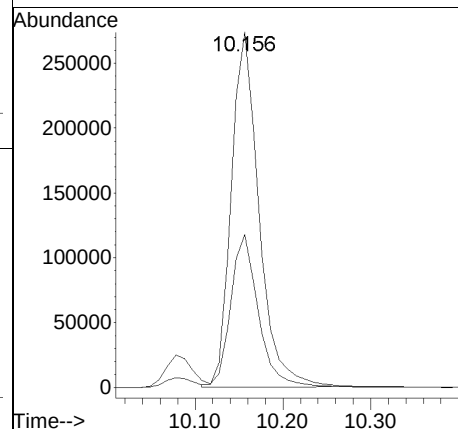


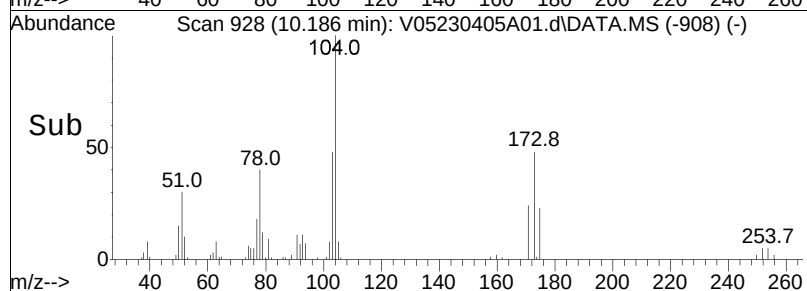
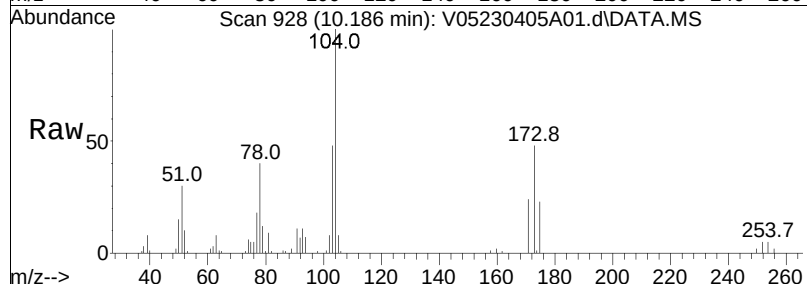
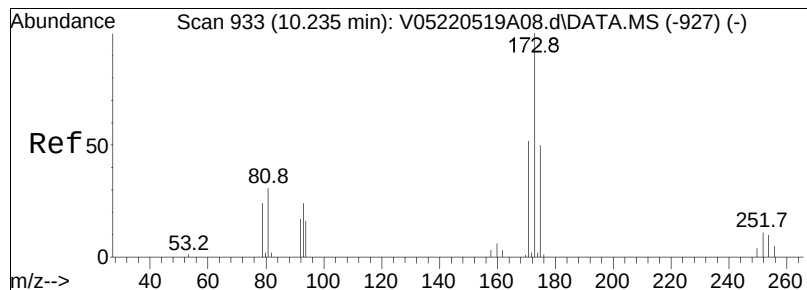




#78  
 Styrene  
 Concen: 19.99 ug/L  
 RT: 10.156 min Scan# 925  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 104 | 100  |       |       |       |
| 78  | 43.0 | 39.6  | 59.4  |       |





#80

Bromoform

Concen: 8.13 ug/L

RT: 10.186 min Scan# 928

Delta R.T. 0.000 min

Lab File: V05230405A01.d

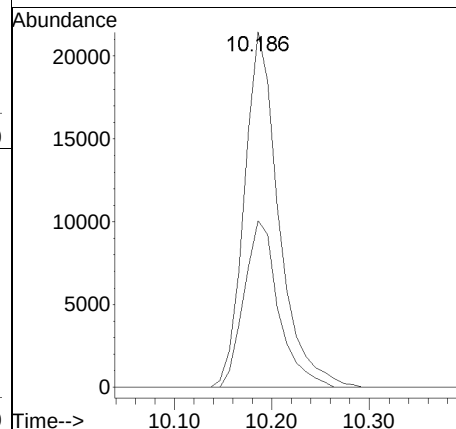
Acq: 5 Apr 2023 6:58 am

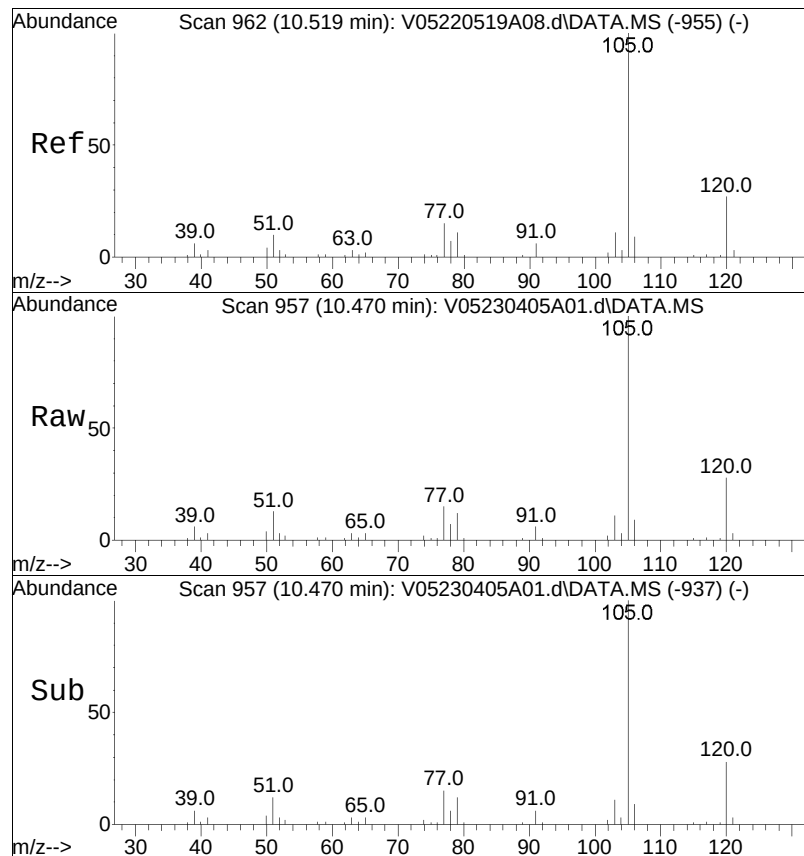
Tgt Ion:173 Resp: 52921

Ion Ratio Lower Upper

173 100

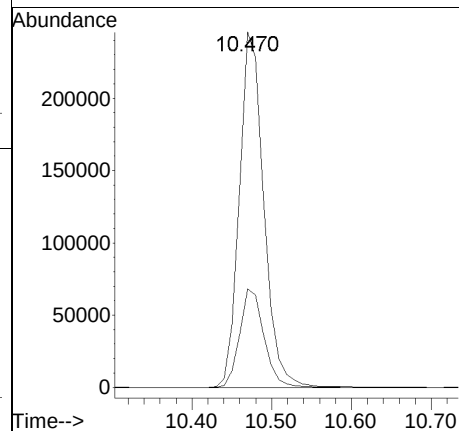
175 46.9 26.6 66.6

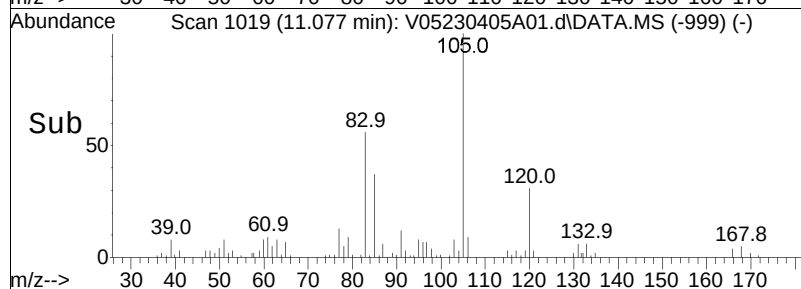
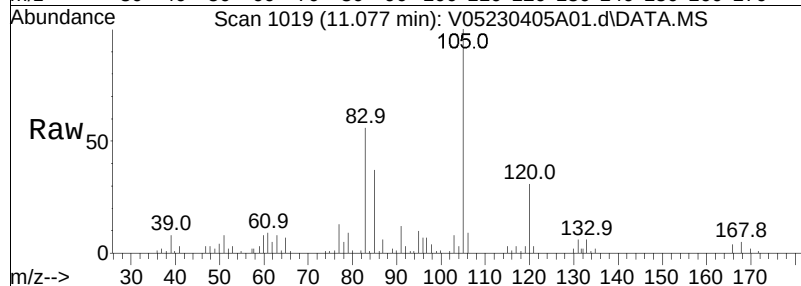
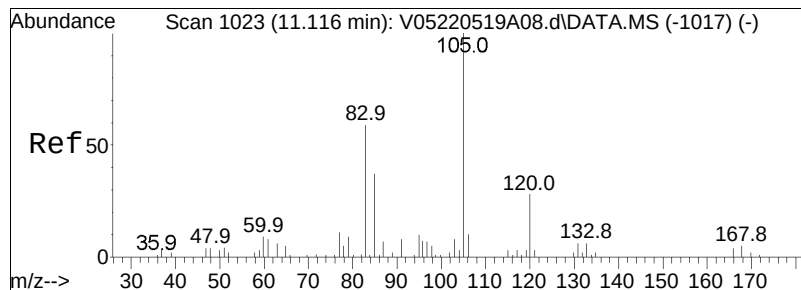




#82  
 Isopropylbenzene  
 Concen: 9.70 ug/L  
 RT: 10.470 min Scan# 957  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.6  | 4.8   | 44.8  |





#87

1,1,2,2-Tetrachloroethane

Concen: 7.95 ug/L

RT: 11.077 min Scan# 1019

Delta R.T. 0.000 min

Lab File: V05230405A01.d

Acq: 5 Apr 2023 6:58 am

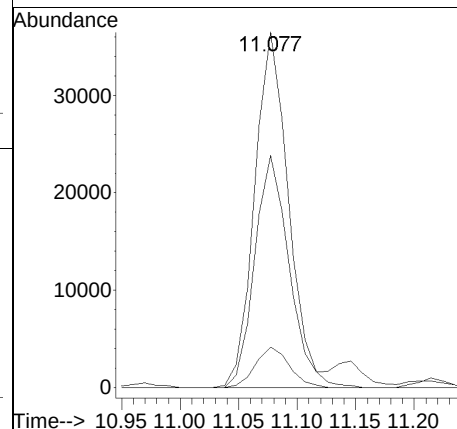
Tgt Ion: 83 Resp: 73285

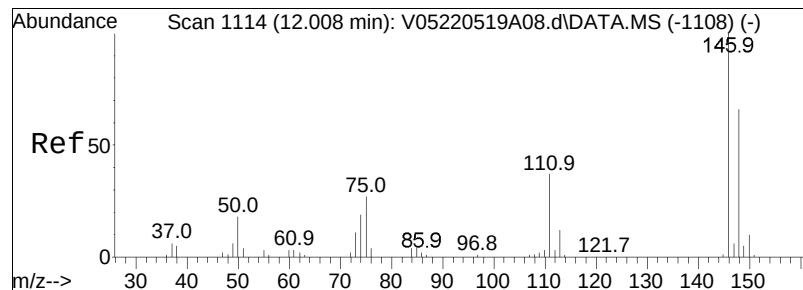
Ion Ratio Lower Upper

83 100

131 11.4 0.0 30.4

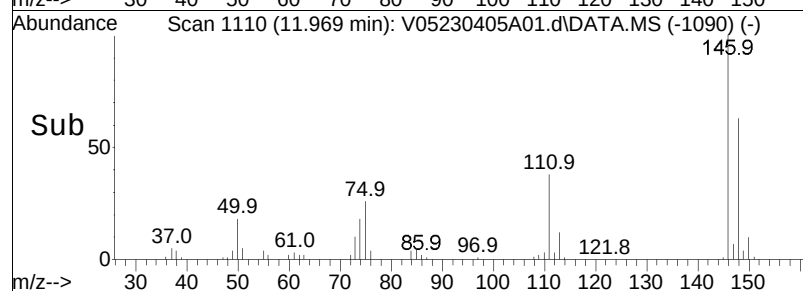
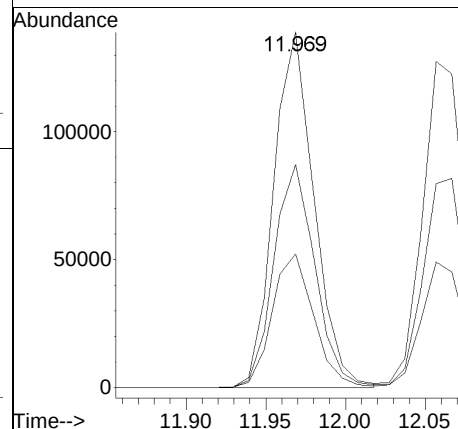
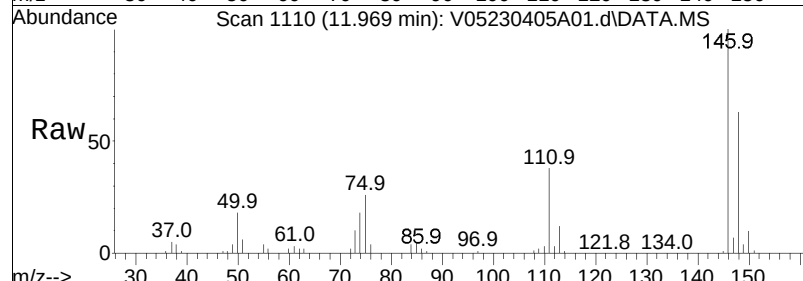
85 67.1 46.4 86.4

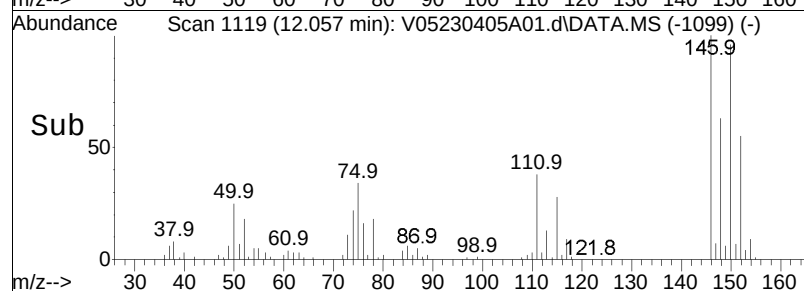
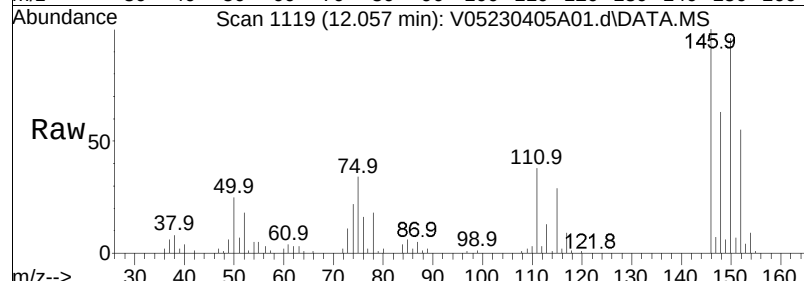
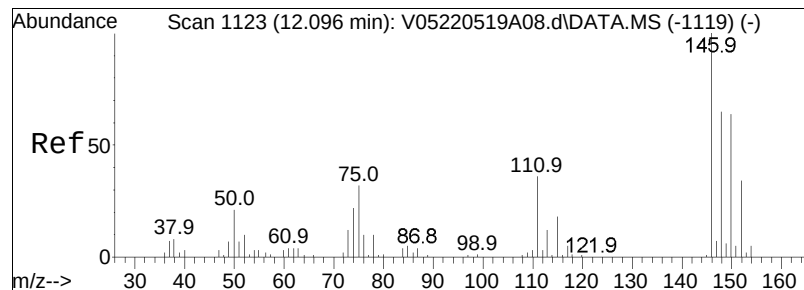




#100  
 1,3-Dichlorobenzene  
 Concen: 9.82 ug/L  
 RT: 11.969 min Scan# 1110  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

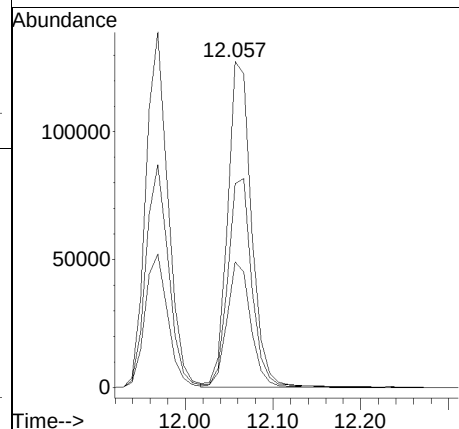
| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 146 | 100  |       |       |       |
| 111 | 38.7 | 28.0  | 58.1  |       |
| 148 | 63.9 | 41.6  | 86.4  |       |

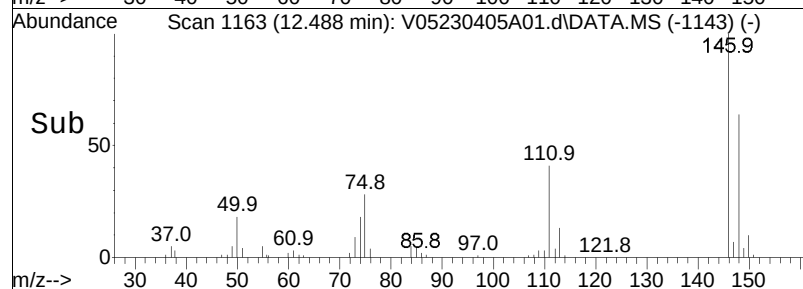
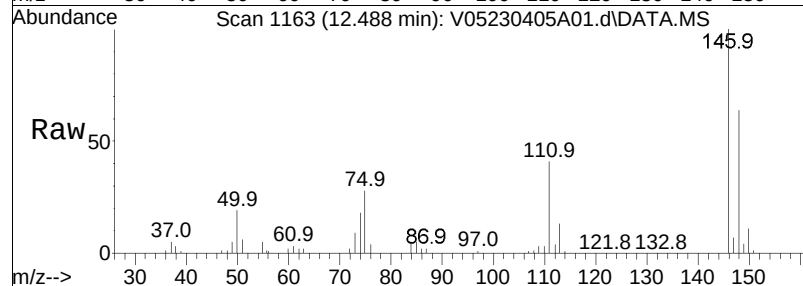
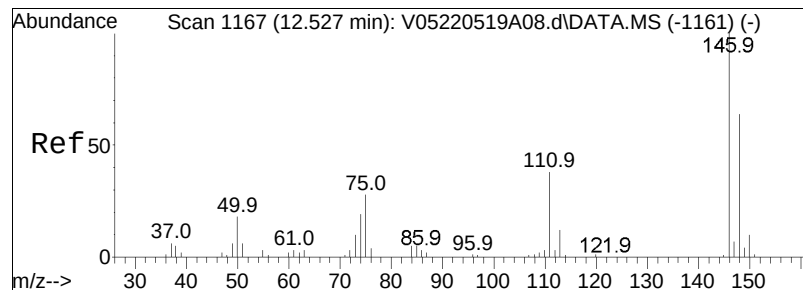




#101  
 1,4-Dichlorobenzene  
 Concen: 9.64 ug/L  
 RT: 12.057 min Scan# 1119  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

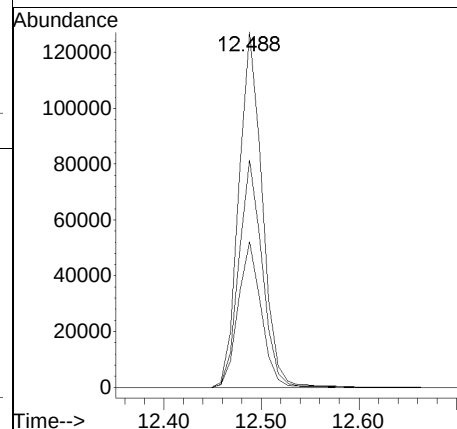
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 33.8  | 50.6  |
| 148     | 65.0  | 51.0  | 76.6  |

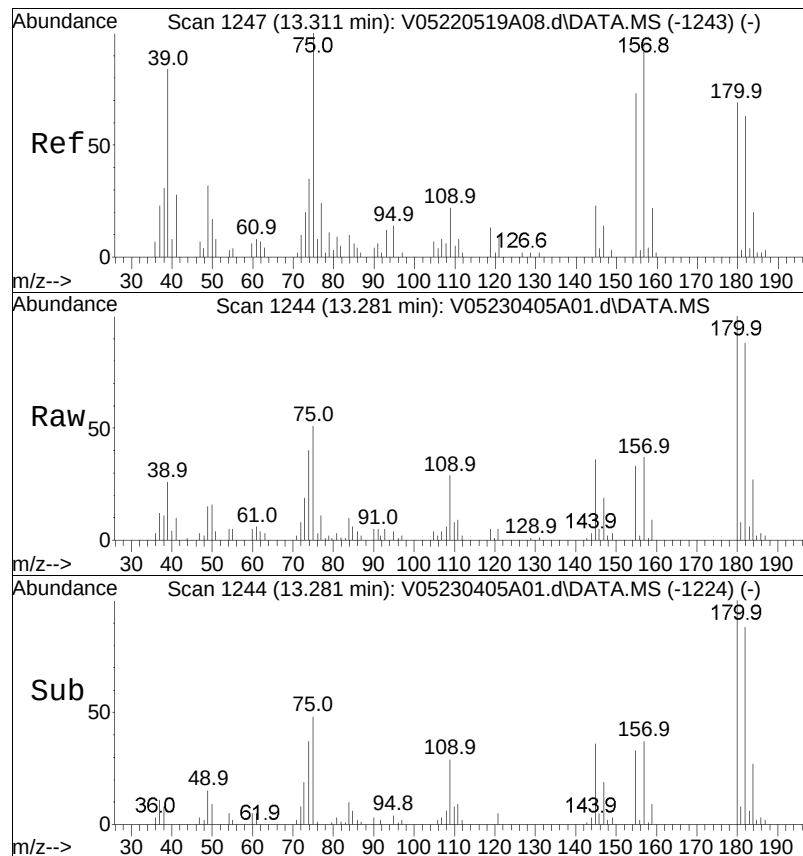




#104  
 1,2-Dichlorobenzene  
 Concen: 9.54 ug/L  
 RT: 12.488 min Scan# 1163  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

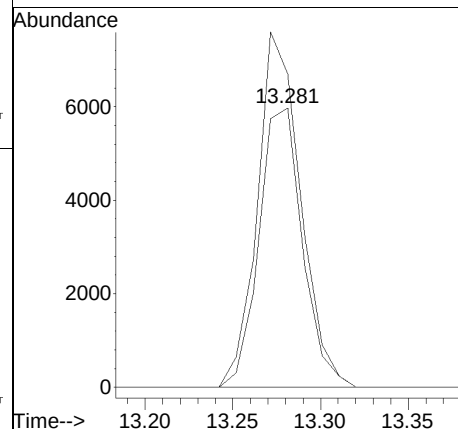
| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 146 | 100  |       |       |       |
| 111 | 40.4 | 29.1  | 60.5  |       |
| 148 | 63.7 | 41.7  | 86.7  |       |



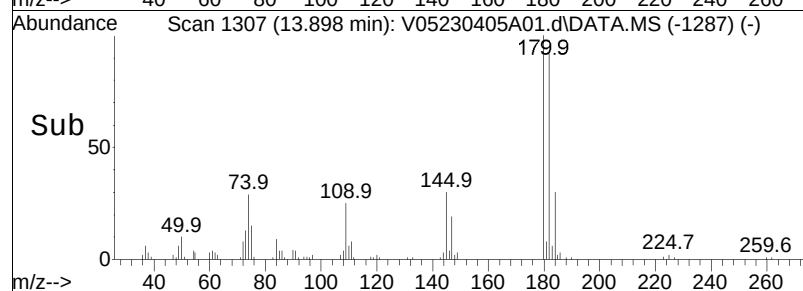
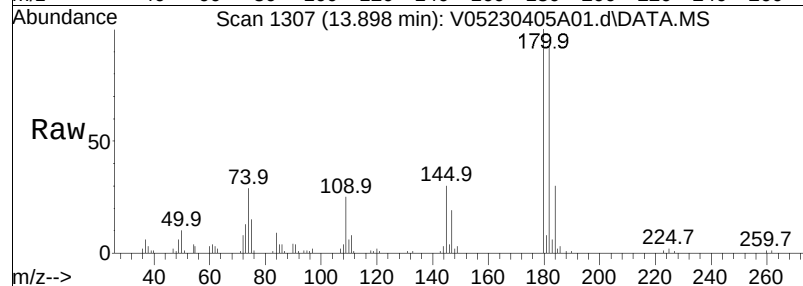
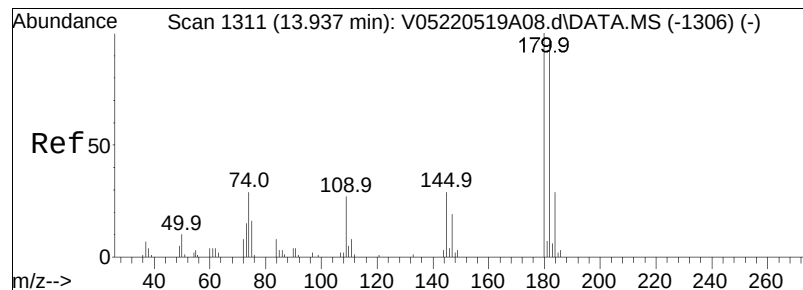


#106  
 1,2-Dibromo-3-chloropropane  
 Concen: 7.07 ug/L  
 RT: 13.281 min Scan# 1244  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 155     | 100   |       |       |
| 157     | 125.7 | 105.0 | 157.6 |

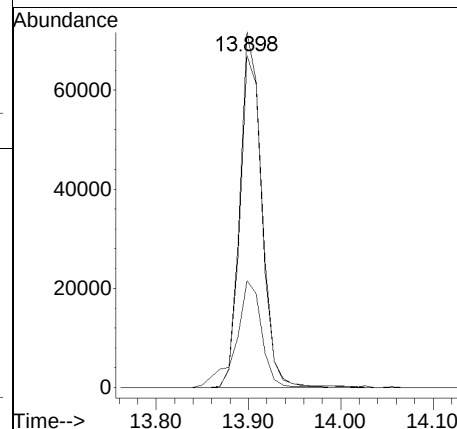


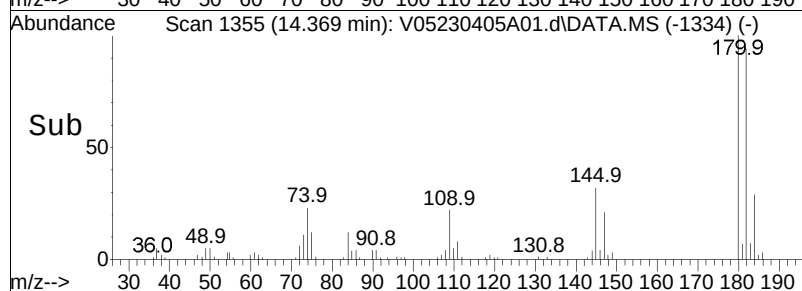
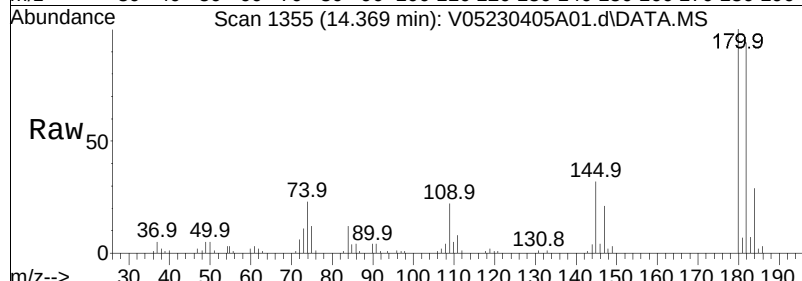
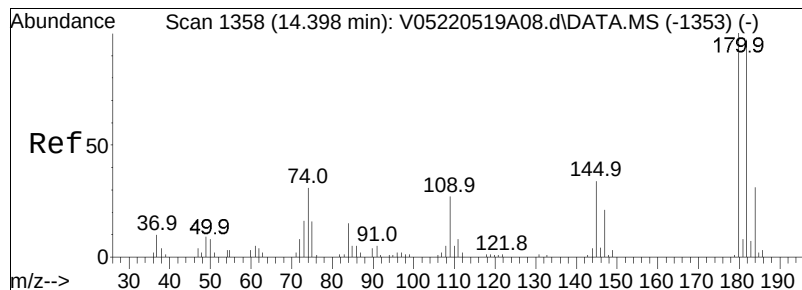




#109  
 1,2,4-Trichlorobenzene  
 Concen: 8.94 ug/L  
 RT: 13.898 min Scan# 1307  
 Delta R.T. 0.000 min  
 Lab File: V05230405A01.d  
 Acq: 5 Apr 2023 6:58 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 75.2  | 112.8 |
| 145     | 35.2  | 27.4  | 41.2  |





#111

1,2,3-Trichlorobenzene

Concen: 8.49 ug/L

RT: 14.369 min Scan# 1355

Delta R.T. 0.010 min

Lab File: V05230405A01.d

Acq: 5 Apr 2023 6:58 am

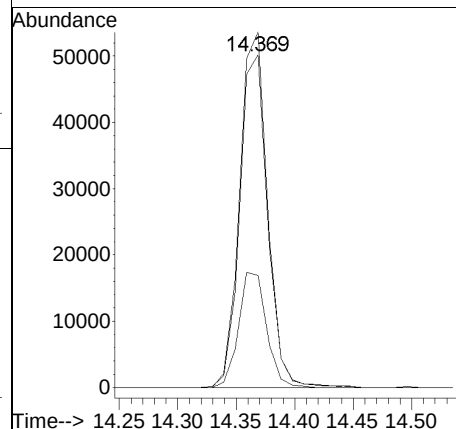
Tgt Ion:180 Resp: 88855

Ion Ratio Lower Upper

180 100

182 93.7 75.5 113.3

145 32.4 26.5 39.7



# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A02.d  
 Acq On : 5 Apr 2023 7:21 am  
 Operator : VOA105:PID  
 Sample : WG1763545-4,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 07:51:28 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound                     | R.T.           | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------------|------|----------|--------|---------|----------|
| -----                        |                |      |          |        |         |          |
| Internal Standards           |                |      |          |        |         |          |
| 1) Fluorobenzene             | 5.792          | 96   | 401551   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 400859     |                |      | Recovery | =      | 100.17% |          |
| 59) Chlorobenzene-d5         | 9.294          | 117  | 330085   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 328581     |                |      | Recovery | =      | 100.46% |          |
| 79) 1,4-Dichlorobenzene-d4   | 12.047         | 152  | 192437   | 10.000 | ug/L    | 0.00     |
| Standard Area 1 = 190093     |                |      | Recovery | =      | 101.23% |          |
| System Monitoring Compounds  |                |      |          |        |         |          |
| 36) Dibromofluoromethane     | 5.000          | 113  | 114797   | 10.767 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 107.67% |          |
| 43) 1,2-Dichloroethane-d4    | 5.518          | 65   | 143461   | 12.379 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 123.79% |          |
| 60) Toluene-d8               | 7.464          | 98   | 427488   | 10.175 | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 101.75% |          |
| 83) 4-Bromofluorobenzene     | 10.813         | 95   | 162996   | 9.169  | ug/L    | 0.00     |
| Spiked Amount 10.000         | Range 70 - 130 |      | Recovery | =      | 91.69%  |          |
| Target Compounds             |                |      |          |        |         |          |
|                              |                |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.547          | 85   | 109652   | 12.697 | ug/L    | 97       |
| 3) Chloromethane             | 1.733          | 50   | 141785   | 11.047 | ug/L    | 98       |
| 4) Vinyl chloride            | 1.801          | 62   | 129055   | 13.037 | ug/L    | 96       |
| 5) Bromomethane              | 2.095          | 94   | 45302    | 8.704  | ug/L    | 99       |
| 6) Chloroethane              | 2.202          | 64   | 80746    | 13.603 | ug/L    | 94       |
| 7) Trichlorofluoromethane    | 2.330          | 101  | 178172   | 14.453 | ug/L    | 99       |
| 10) 1,1-Dichloroethene       | 2.799          | 96   | 96822    | 11.667 | ug/L    | 85       |
| 11) Carbon disulfide         | 2.828          | 76   | 282049   | 10.717 | ug/L    | 100      |
| 12) Freon-113                | 2.828          | 101  | 107799   | 12.146 | ug/L    | 89       |
| 15) Methylene chloride       | 3.347          | 84   | 100076   | 10.370 | ug/L #  | 58       |
| 17) Acetone                  | 3.396          | 43   | 18544    | 10.294 | ug/L #  | 86       |
| 18) trans-1,2-Dichloroethene | 3.484          | 96   | 103622   | 10.848 | ug/L    | 84       |
| 19) Methyl acetate           | 3.503          | 43   | 44308    | 10.603 | ug/L #  | 81       |
| 20) Methyl tert-butyl ether  | 3.572          | 73   | 184601   | 10.325 | ug/L #  | 86       |
| 23) 1,1-Dichloroethane       | 4.051          | 63   | 216972   | 11.781 | ug/L    | 94       |
| 28) cis-1,2-Dichloroethene   | 4.569          | 96   | 115873   | 10.871 | ug/L    | 90       |
| 30) Bromochloromethane       | 4.755          | 128  | 52014    | 10.714 | ug/L #  | 73       |
| 31) Cyclohexane              | 4.736          | 56   | 258647   | 13.273 | ug/L #  | 62       |
| 32) Chloroform               | 4.824          | 83   | 187129   | 11.181 | ug/L    | 95       |
| 34) Carbon tetrachloride     | 4.941          | 117  | 162047   | 11.489 | ug/L    | 98       |

## Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A02.d  
 Acq On : 5 Apr 2023 7:21 am  
 Operator : VOA105:PID  
 Sample : WG1763545-4,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 07:51:28 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2023\230405A\V05230405A01.d  
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

|      | Compound                  | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|------|---------------------------|--------|------|----------|---------|-------|----------|-----|
| 37)  | 1,1,1-Trichloroethane     | 5.009  | 97   | 180640   | 11.946  | ug/L  |          | 96  |
| 39)  | 2-Butanone                | 5.127  | 43   | 24741    | 8.107   | ug/L  | #        | 72  |
| 41)  | Benzene                   | 5.371  | 78   | 389993   | 10.502  | ug/L  | #        | 89  |
| 44)  | 1,2-Dichloroethane        | 5.587  | 62   | 140480   | 11.534  | ug/L  |          | 99  |
| 47)  | Methylcyclohexane         | 5.939  | 83   | 194036   | 11.248  | ug/L  | #        | 58  |
| 48)  | Trichloroethene           | 5.968  | 95   | 110893   | 11.089  | ug/L  |          | 93  |
| 51)  | 1,2-Dichloropropane       | 6.506  | 63   | 115525   | 11.024  | ug/L  | #        | 86  |
| 54)  | Bromodichloromethane      | 6.584  | 83   | 137433   | 10.410  | ug/L  |          | 99  |
| 57)  | 1,4-Dioxane               | 6.790  | 88   | 28979    | 547.155 | ug/L  | #        | 70  |
| 58)  | cis-1,3-Dichloropropene   | 7.259  | 75   | 152424   | 9.886   | ug/L  | #        | 89  |
| 61)  | Toluene                   | 7.513  | 92   | 252147   | 9.947   | ug/L  |          | 98  |
| 62)  | 4-Methyl-2-pentanone      | 7.963  | 58   | 23355    | 9.349   | ug/L  | #        | 94  |
| 63)  | Tetrachloroethene         | 7.953  | 166  | 134083   | 11.354  | ug/L  |          | 91  |
| 65)  | trans-1,3-Dichloropropene | 8.012  | 75   | 130751   | 9.514   | ug/L  |          | 88  |
| 68)  | 1,1,2-Trichloroethane     | 8.198  | 83   | 59674    | 9.485   | ug/L  |          | 98  |
| 69)  | Chlorodibromomethane      | 8.403  | 129  | 95735    | 9.229   | ug/L  |          | 99  |
| 71)  | 1,2-Dibromoethane         | 8.677  | 107  | 71282    | 9.548   | ug/L  |          | 97  |
| 72)  | 2-Hexanone                | 8.971  | 43   | 39300    | 8.419   | ug/L  |          | 96  |
| 73)  | Chlorobenzene             | 9.314  | 112  | 296844   | 10.135  | ug/L  |          | 90  |
| 74)  | Ethylbenzene              | 9.353  | 91   | 508111   | 10.274  | ug/L  |          | 95  |
| 76)  | p/m Xylene                | 9.539  | 106  | 396827   | 20.743  | ug/L  |          | 88  |
| 77)  | o Xylene                  | 10.078 | 106  | 377592   | 20.239  | ug/L  |          | 89  |
| 78)  | Styrene                   | 10.156 | 104  | 609693   | 20.212  | ug/L  |          | 91  |
| 80)  | Bromoform                 | 10.186 | 173  | 57580    | 8.742   | ug/L  |          | 100 |
| 82)  | Isopropylbenzene          | 10.480 | 105  | 530326   | 9.697   | ug/L  |          | 94  |
| 87)  | 1,1,2,2-Tetrachloroethane | 11.077 | 83   | 81394    | 8.721   | ug/L  |          | 99  |
| 100) | 1,3-Dichlorobenzene       | 11.969 | 146  | 253338   | 10.057  | ug/L  |          | 96  |
| 101) | 1,4-Dichlorobenzene       | 12.057 | 146  | 249186   | 9.855   | ug/L  |          | 97  |
| 104) | 1,2-Dichlorobenzene       | 12.488 | 146  | 222253   | 9.855   | ug/L  |          | 97  |
| 106) | 1,2-Dibromo-3-chloropr... | 13.281 | 155  | 11670    | 7.899   | ug/L  |          | 96  |
| 109) | 1,2,4-Trichlorobenzene    | 13.899 | 180  | 128571   | 9.621   | ug/L  |          | 99  |
| 111) | 1,2,3-Trichlorobenzene    | 14.369 | 180  | 99823    | 9.426   | ug/L  |          | 98  |

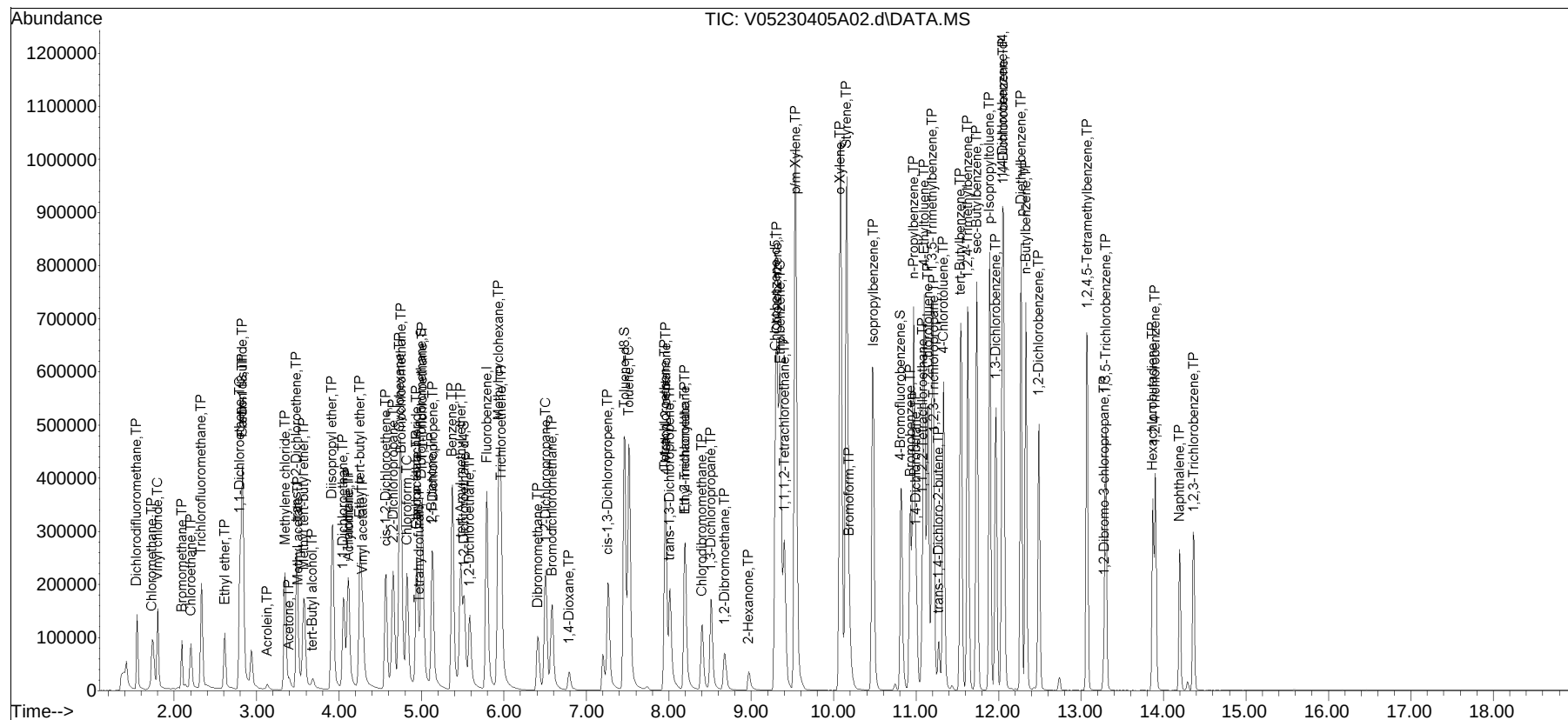
(#) = qualifier out of range (m) = manual integration (+) = signals summed

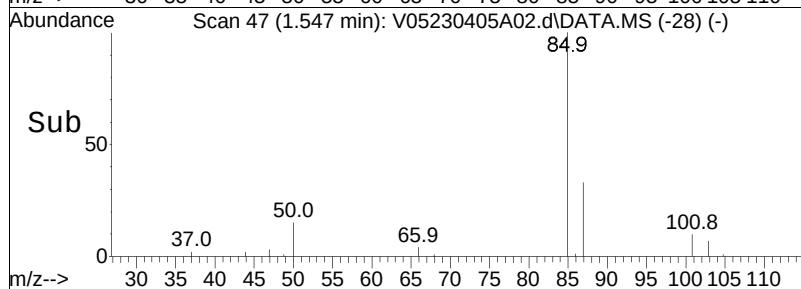
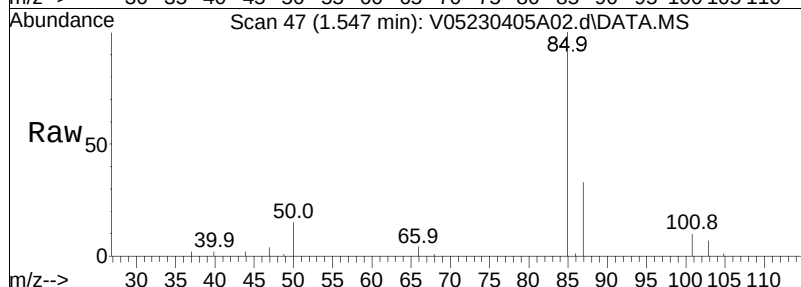
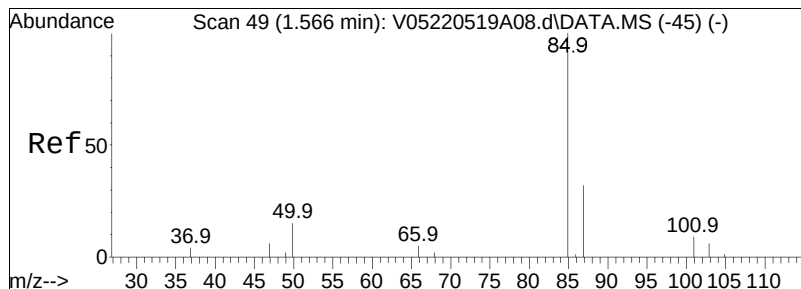
# Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2023\230405A\  
 Data File : V05230405A02.d  
 Acq On : 5 Apr 2023 7:21 am  
 Operator : VOA105:PID  
 Sample : WG1763545-4,31,10,10  
 Misc : WG1763545,ICAL19721  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 05 07:51:28 2023  
 Quant Method : I:\VOLATILES\VOA105\2023\230405A\V105\_230208B\_8260.m  
 Quant Title : VOLATILES BY GC/MS  
 QLast Update : Thu Feb 09 06:59:00 2023  
 Response via : Initial Calibration

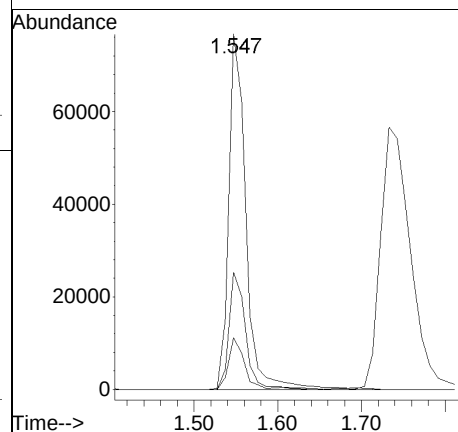
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

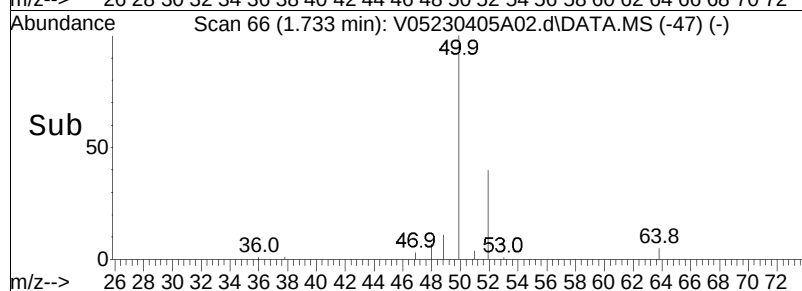
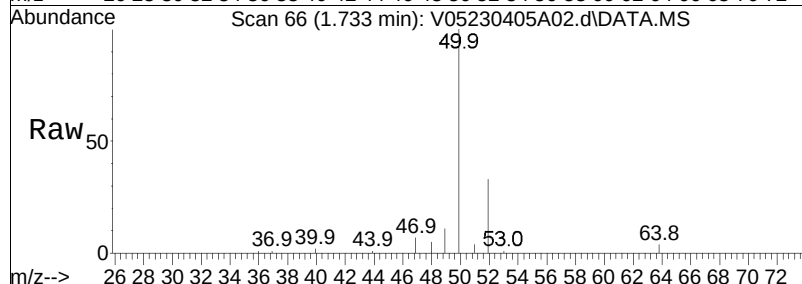
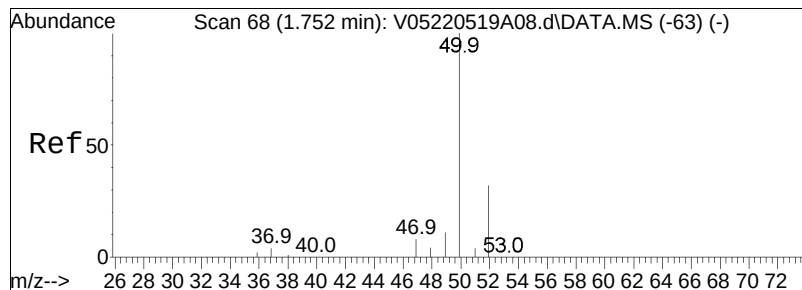




#2  
 Dichlorodifluoromethane  
 Concen: 12.70 ug/L  
 RT: 1.547 min Scan# 47  
 Delta R.T. -0.010 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt Ion | 85  | 87   | 50   | Ratio | 100 | 31.7 | 13.2 | Resp: | 109652 | Lower | Upper |
|---------|-----|------|------|-------|-----|------|------|-------|--------|-------|-------|
| 85      | 100 |      |      |       |     |      |      |       |        |       |       |
| 87      |     | 31.7 |      |       |     | 20.9 |      |       |        |       |       |
| 50      |     |      | 13.2 |       |     | 6.8  |      |       |        |       |       |





#3

Chloromethane

Concen: 11.05 ug/L

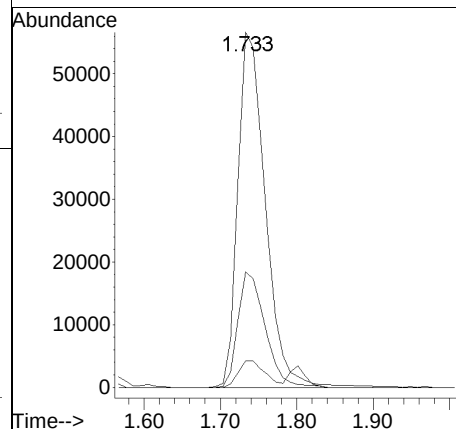
RT: 1.733 min Scan# 66

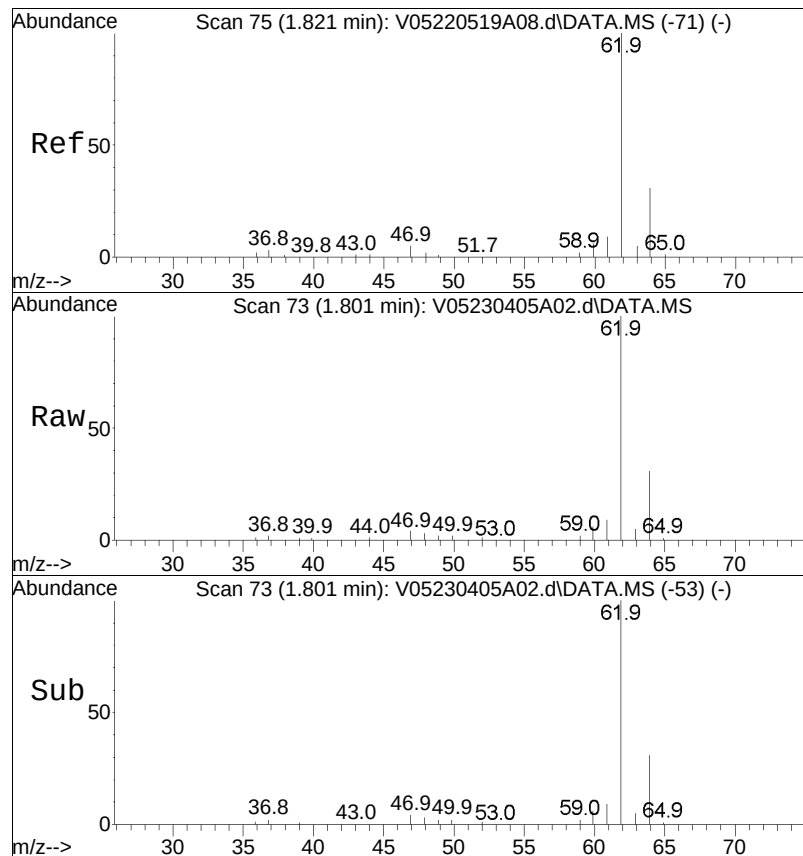
Delta R.T. -0.010 min

Lab File: V05230405A02.d

Acq: 5 Apr 2023 7:21 am

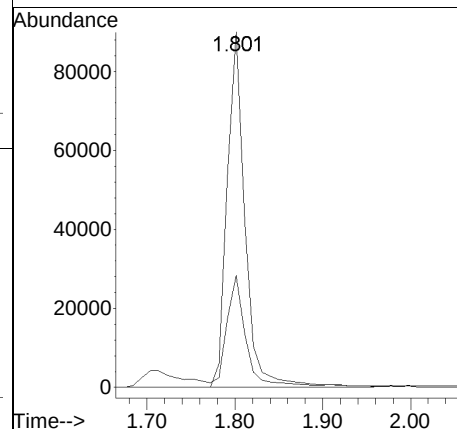
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 50 | Resp: | 141785 |
| Ion | Ratio   | Lower | Upper  |
| 50  | 100     |       |        |
| 52  | 32.1    | 12.6  | 52.6   |
| 47  | 7.4     | 0.0   | 30.1   |



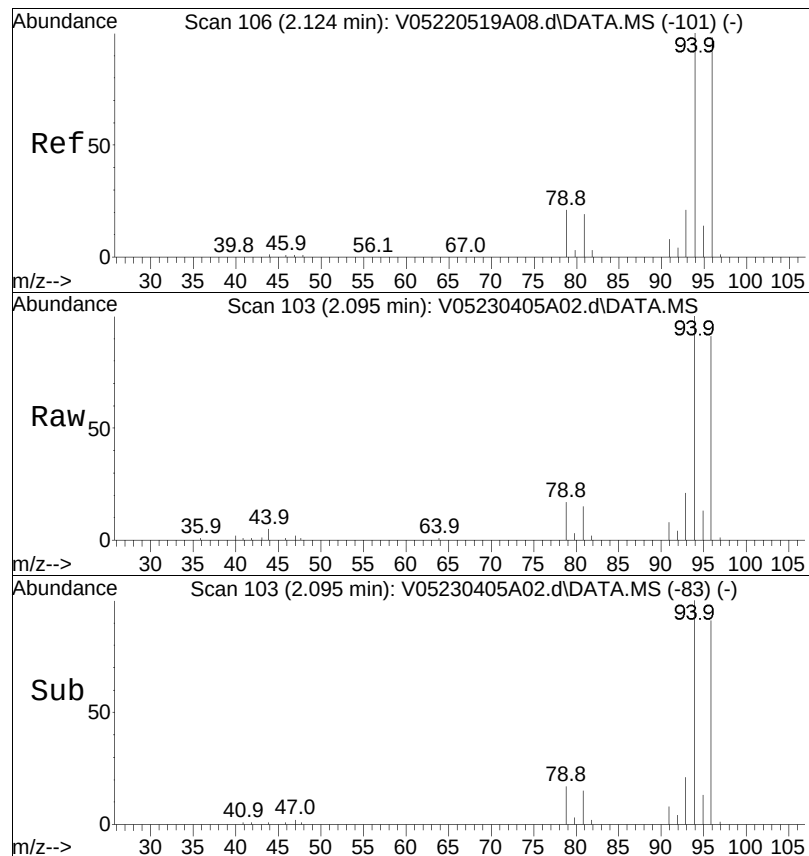


#4  
 Vinyl chloride  
 Concen: 13.04 ug/L  
 RT: 1.801 min Scan# 73  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 31.1  | 13.5  | 53.5  |

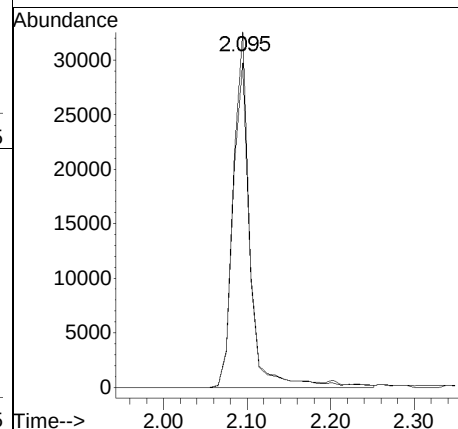


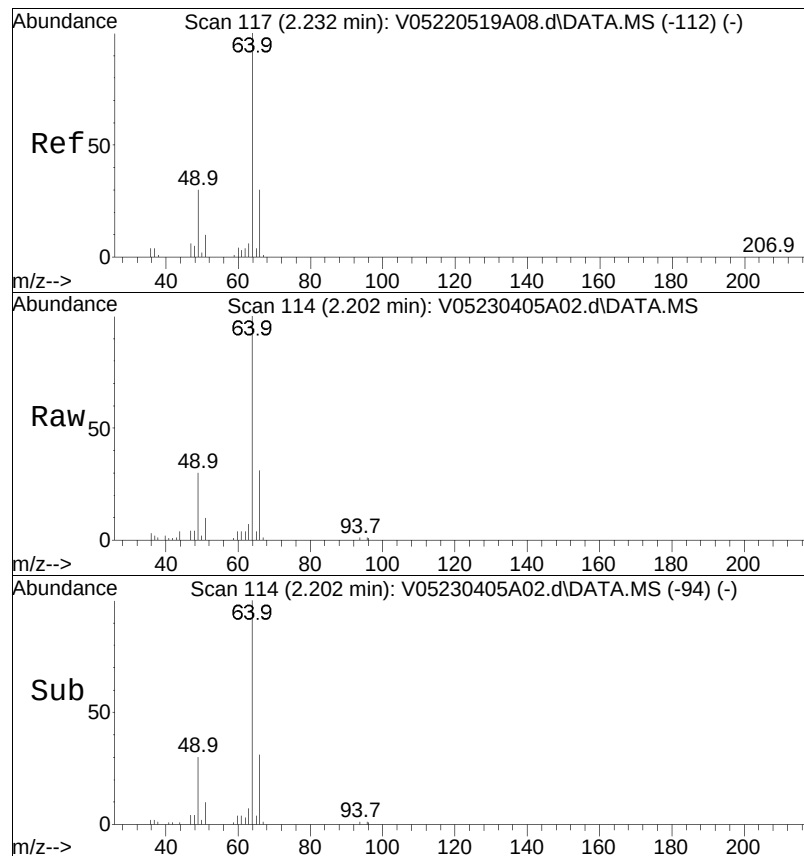




#5  
 Bromomethane  
 Concen: 8.70 ug/L  
 RT: 2.095 min Scan# 103  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

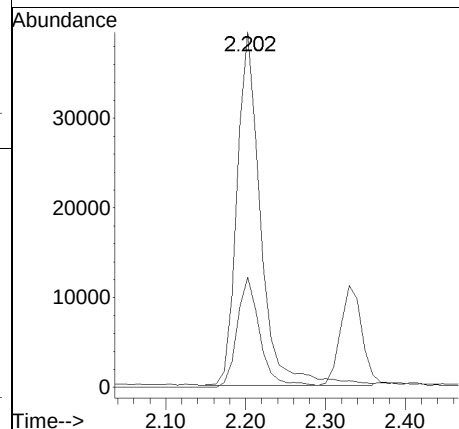
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 96      | 94.4  | 75.4  | 115.4 |

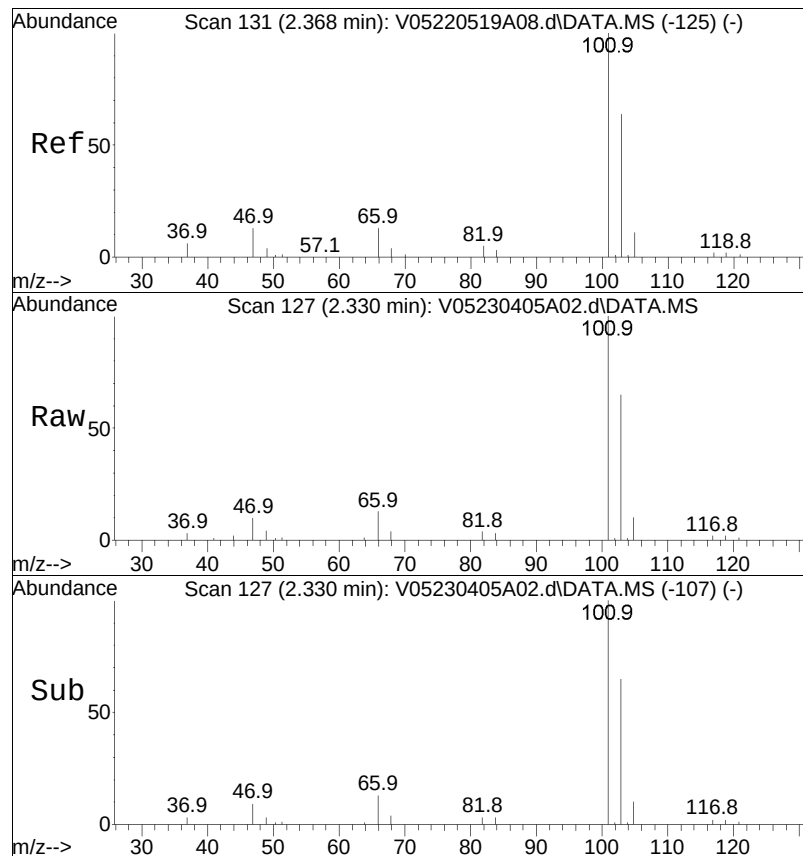




#6  
 Chloroethane  
 Concen: 13.60 ug/L  
 RT: 2.202 min Scan# 114  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

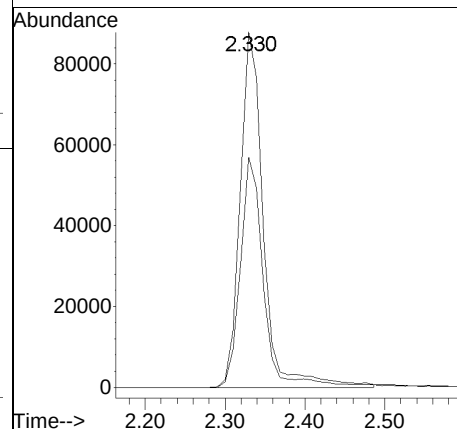
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 64    | Resp: | 80746 |
| Ion Ratio | Lower | Upper |       |
| 64        | 100   |       |       |
| 66        | 30.5  | 13.8  | 53.8  |

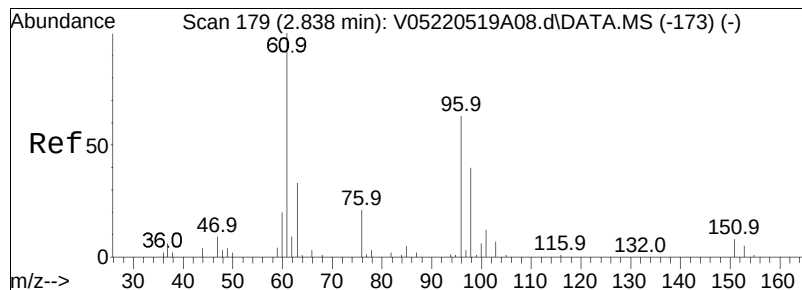




#7  
 Trichlorofluoromethane  
 Concen: 14.45 ug/L  
 RT: 2.330 min Scan# 127  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

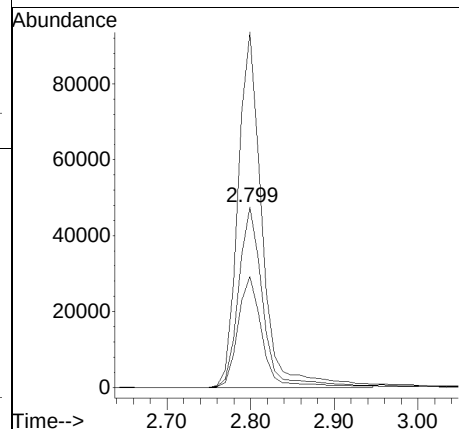
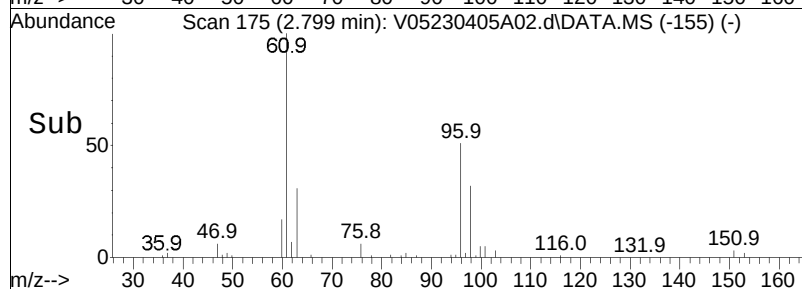
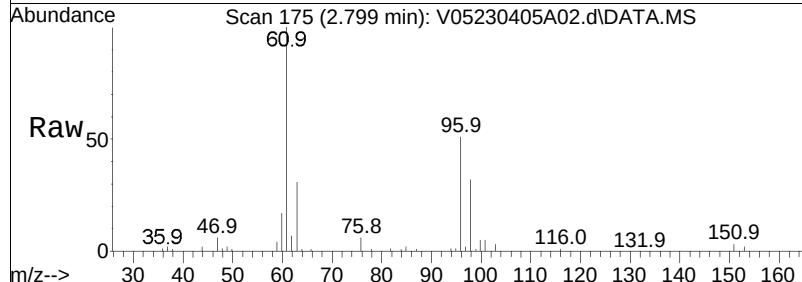
| Tgt | Ion | Ratio | Lower | Upper |
|-----|-----|-------|-------|-------|
| 101 | 101 | 100   |       |       |
| 103 | 103 | 64.2  | 51.8  | 77.6  |

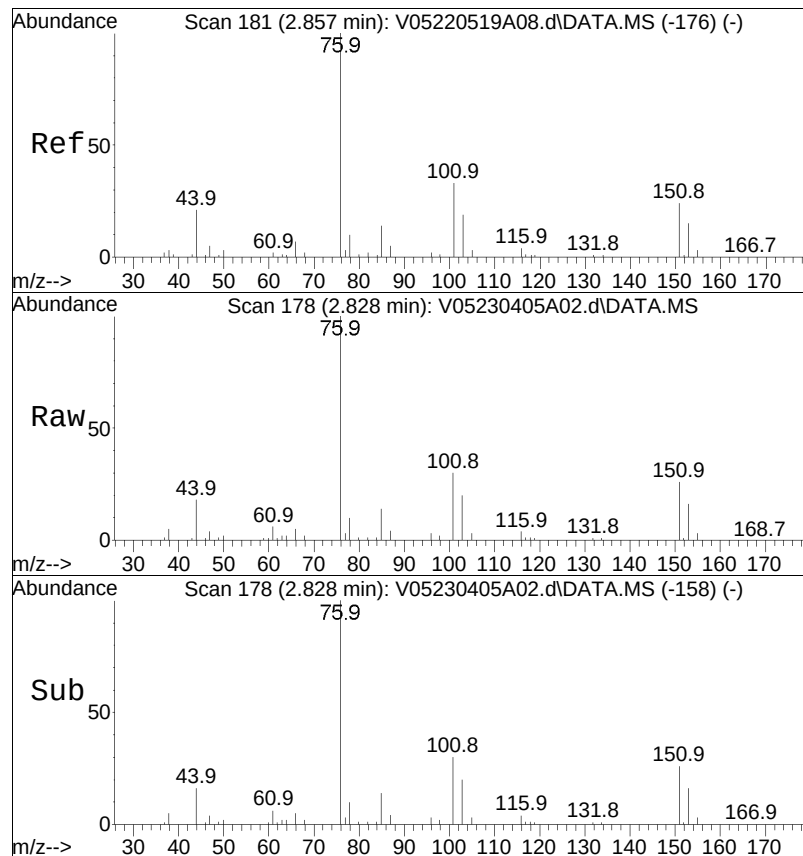




#10  
 1,1-Dichloroethene  
 Concen: 11.67 ug/L  
 RT: 2.799 min Scan# 175  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

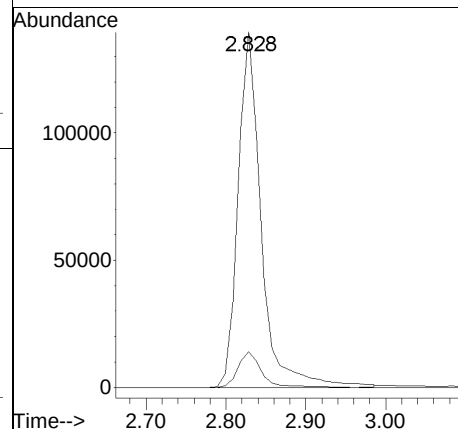
| Tgt Ion:  | 96    | Resp: | 96822 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 194.1 | 136.7 | 205.1 |
| 63        | 61.7  | 45.0  | 67.6  |

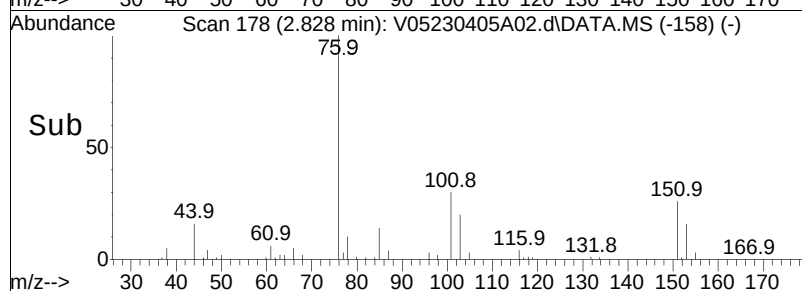
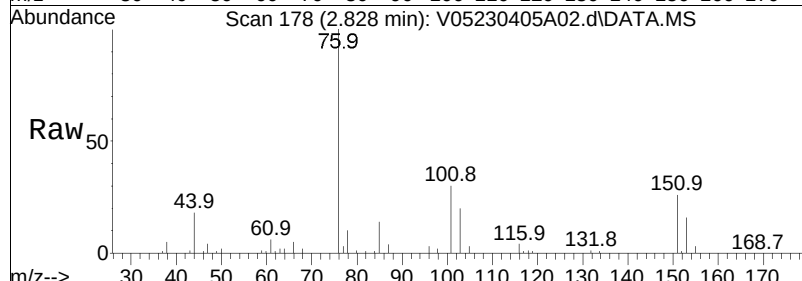
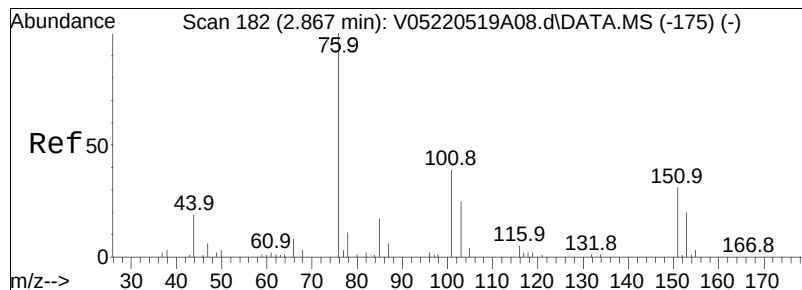




#11  
 Carbon disulfide  
 Concen: 10.72 ug/L  
 RT: 2.828 min Scan# 178  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt Ion:  | 76     | 78 | Ratio | 100 | Lower | Upper |
|-----------|--------|----|-------|-----|-------|-------|
| Resp:     | 282049 |    |       |     |       |       |
| Ion Ratio |        |    |       |     |       |       |
|           |        |    |       |     |       |       |
|           |        |    |       |     |       |       |





#12

Freon-113

Concen: 12.15 ug/L

RT: 2.828 min Scan# 178

Delta R.T. 0.000 min

Lab File: V05230405A02.d

Acq: 5 Apr 2023 7:21 am

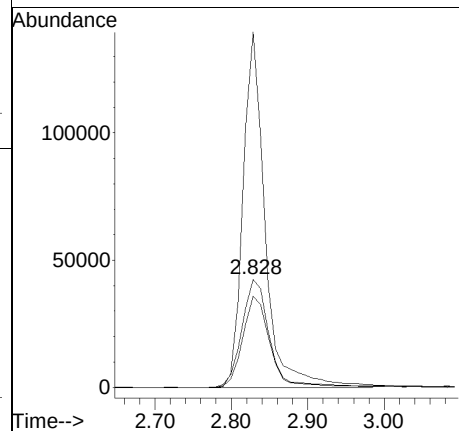
Tgt Ion:101 Resp: 107799

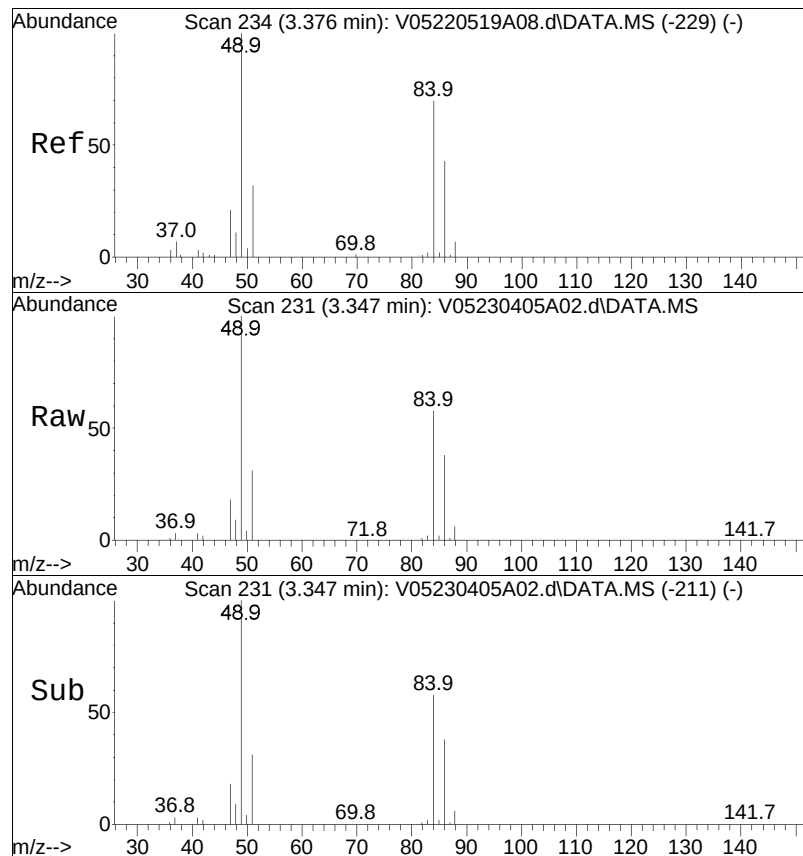
Ion Ratio Lower Upper

101 100

151 82.8 65.0 97.6

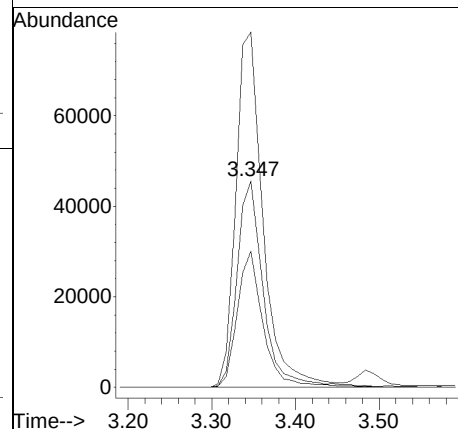
76 261.6 190.0 285.0

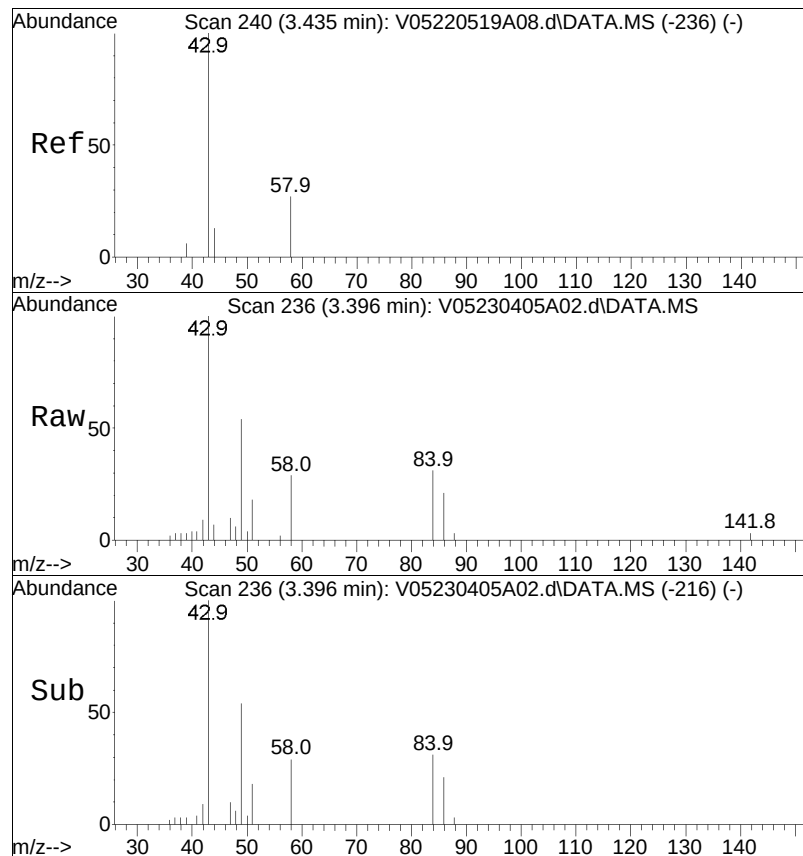




#15  
 Methylene chloride  
 Concen: 10.37 ug/L  
 RT: 3.347 min Scan# 231  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

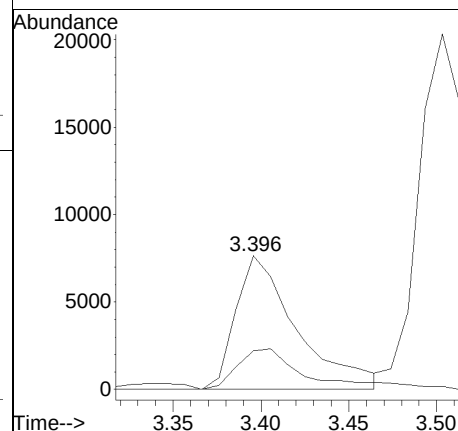
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 84    | Resp: | 100076 |
| Ion Ratio | Lower | Upper |        |
| 84        | 100   |       |        |
| 86        | 65.0  | 42.1  | 87.5   |
| 49        | 177.3 | 69.3  | 143.9# |



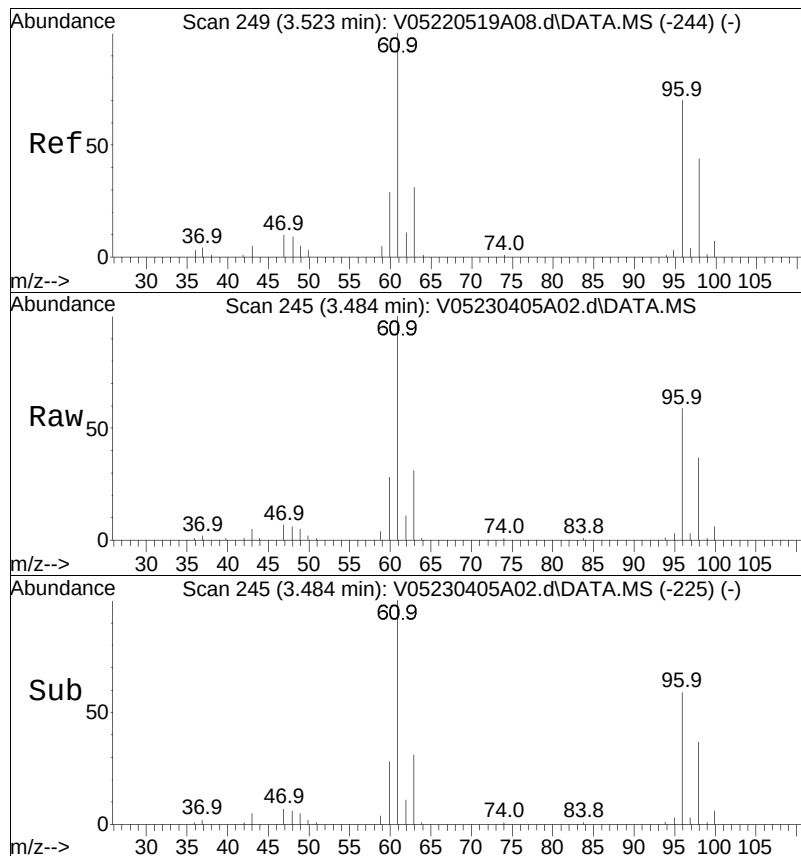


#17  
 Acetone  
 Concen: 10.29 ug/L  
 RT: 3.396 min Scan# 236  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

Tgt Ion: 43 Resp: 18544  
 Ion Ratio Lower Upper  
 43 100  
 58 34.8 22.0 33.0#

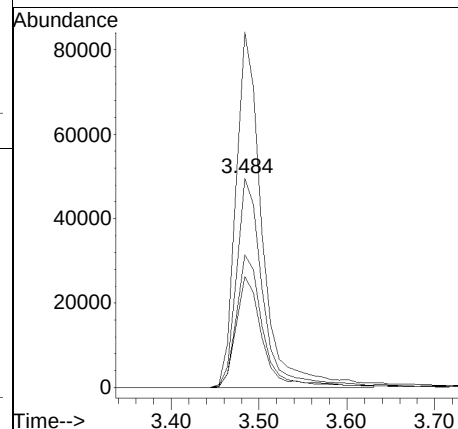


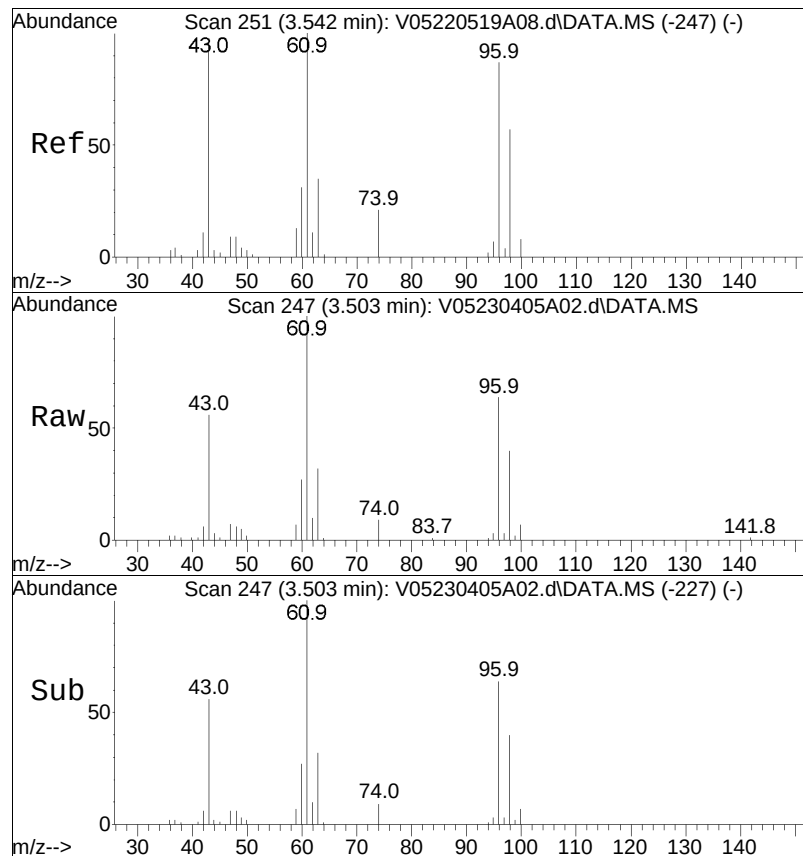




#18  
 trans-1,2-Dichloroethene  
 Concen: 10.85 ug/L  
 RT: 3.484 min Scan# 245  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

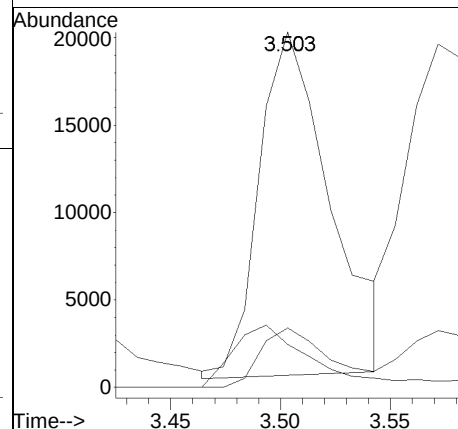
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 103622 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 170.4 | 91.7  | 190.5  |
| 98        | 64.0  | 41.1  | 85.5   |
| 63        | 53.5  | 29.4  | 61.0   |

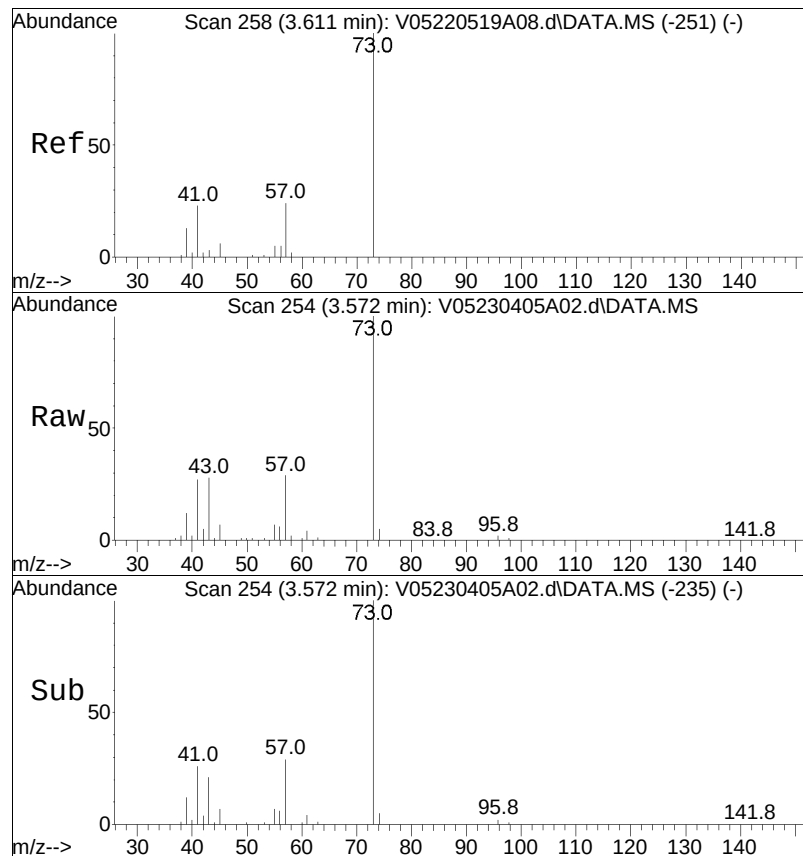




#19  
Methyl acetate  
Concen: 10.60 ug/L  
RT: 3.503 min Scan# 247  
Delta R.T. 0.000 min  
Lab File: V05230405A02.d  
Acq: 5 Apr 2023 7:21 am

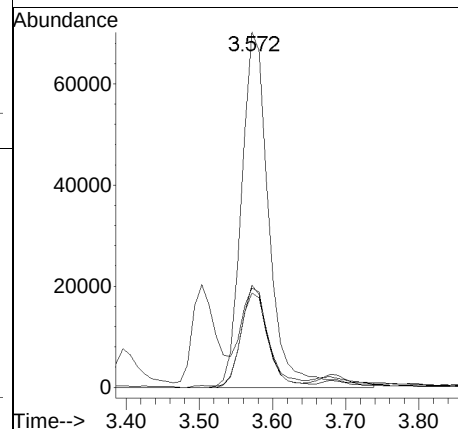
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 44308 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 74        | 17.0  | 23.1  | 34.7# |
| 59        | 21.9  | 23.9  | 35.9# |

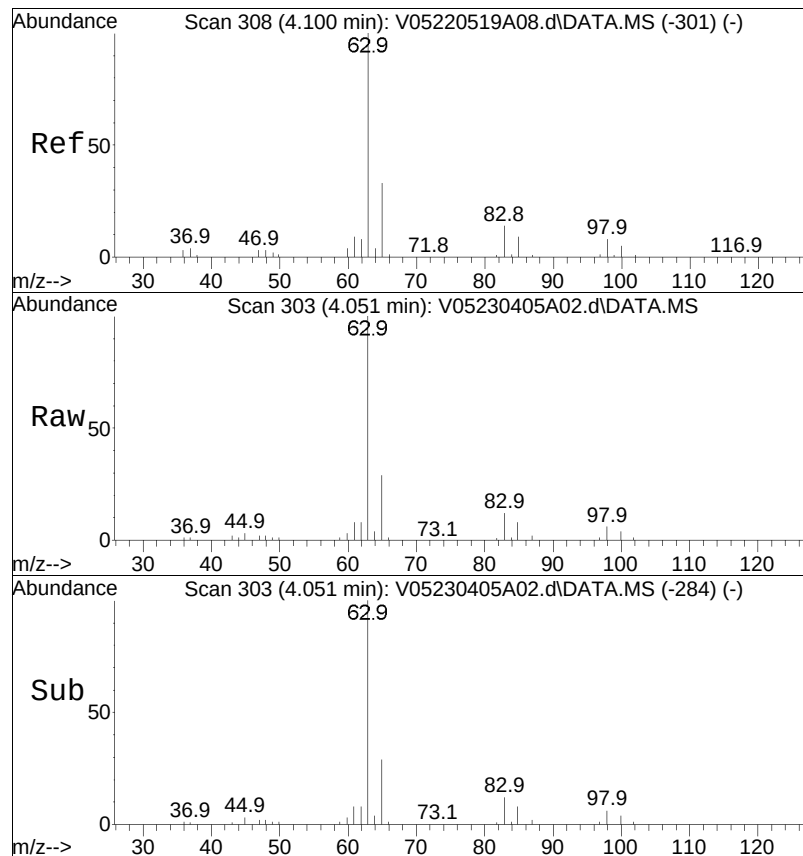




#20  
Methyl tert-butyl ether  
Concen: 10.33 ug/L  
RT: 3.572 min Scan# 254  
Delta R.T. -0.010 min  
Lab File: V05230405A02.d  
Acq: 5 Apr 2023 7:21 am

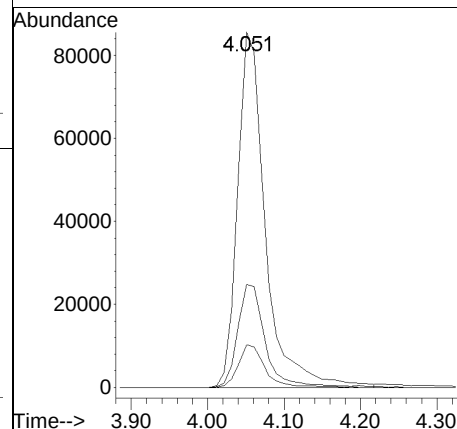
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 73    | Resp: | 184601 |
| Ion Ratio | Lower | Upper |        |
| 73        | 100   |       |        |
| 57        | 27.8  | 11.8  | 24.6#  |
| 43        | 25.7  | 13.5  | 27.9   |
| 41        | 25.8  | 13.3  | 27.5   |

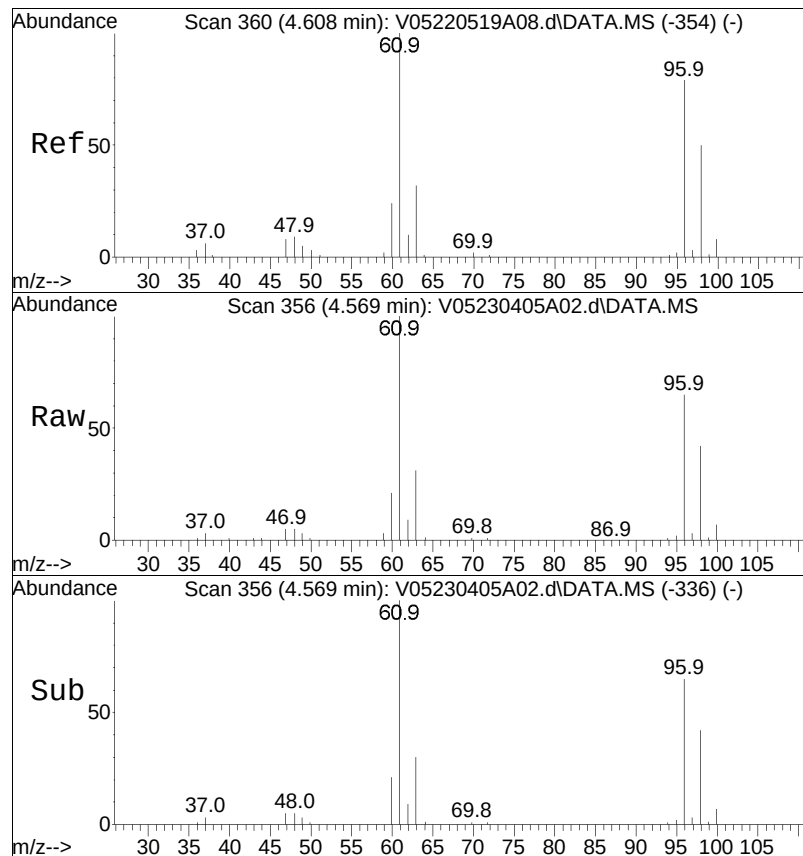




#23  
 1,1-Dichloroethane  
 Concen: 11.78 ug/L  
 RT: 4.051 min Scan# 303  
 Delta R.T. -0.010 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

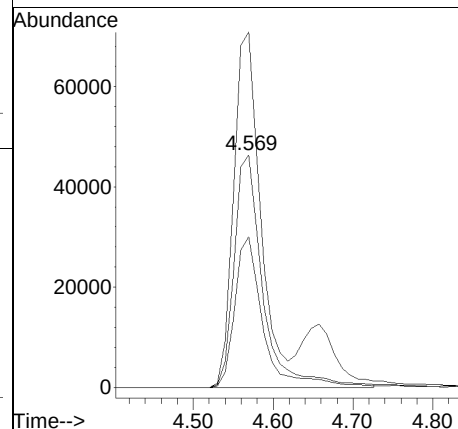
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 63 | Resp: | 216972 |
| Ion | Ratio   | Lower | Upper  |
| 63  | 100     |       |        |
| 65  | 28.5    | 11.9  | 51.9   |
| 83  | 11.5    | 0.0   | 34.2   |

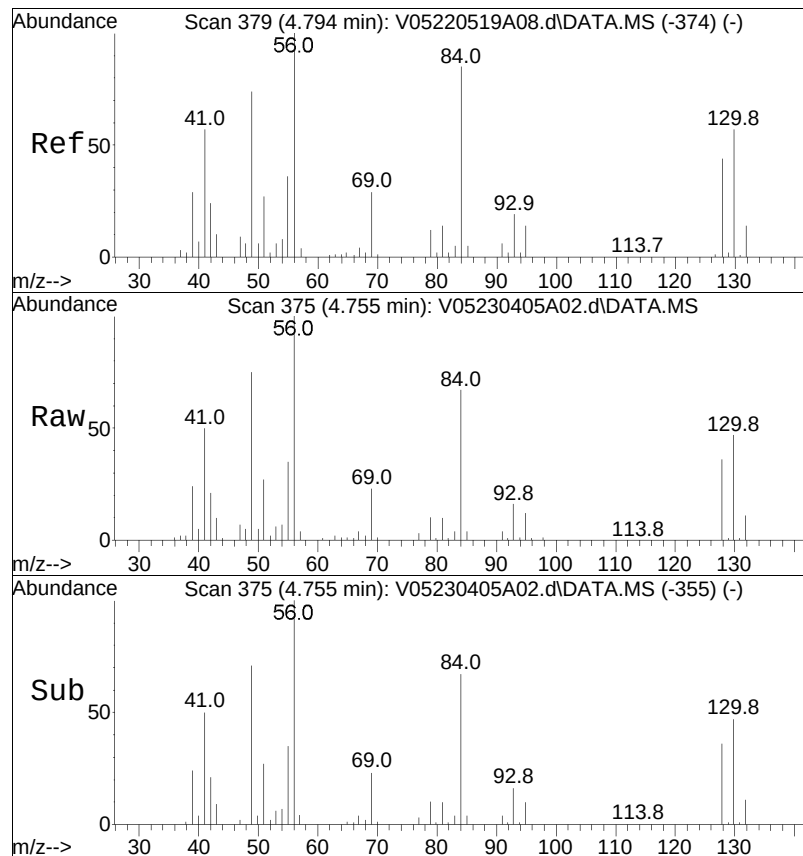




#28  
 cis-1,2-Dichloroethene  
 Concen: 10.87 ug/L  
 RT: 4.569 min Scan# 356  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

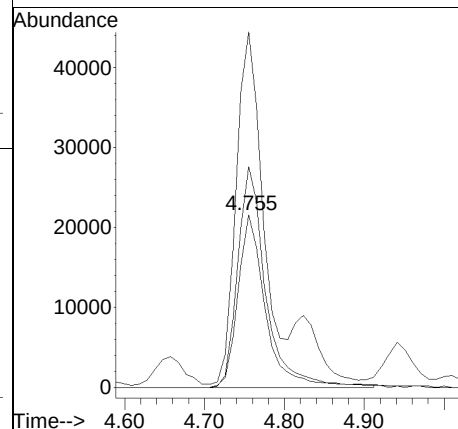
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 115873 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 141.8 | 100.5 | 150.7  |
| 98        | 64.2  | 49.8  | 74.8   |

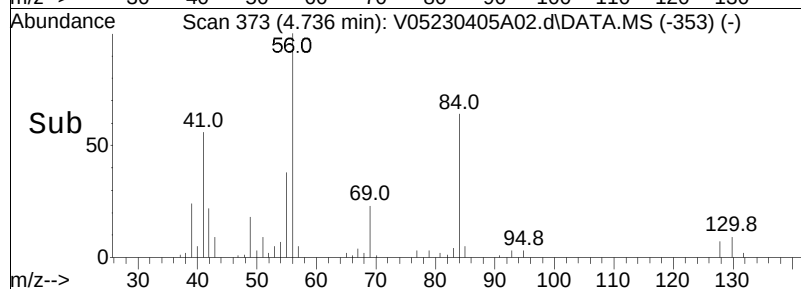
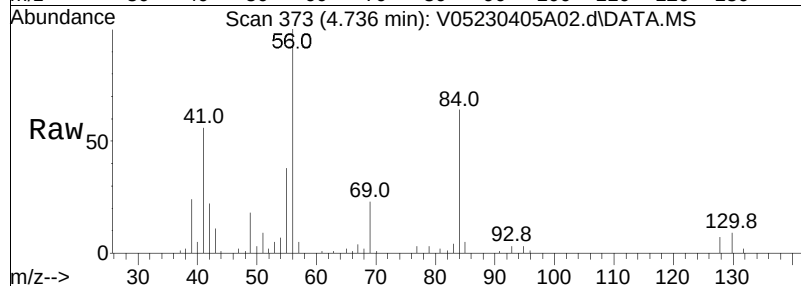
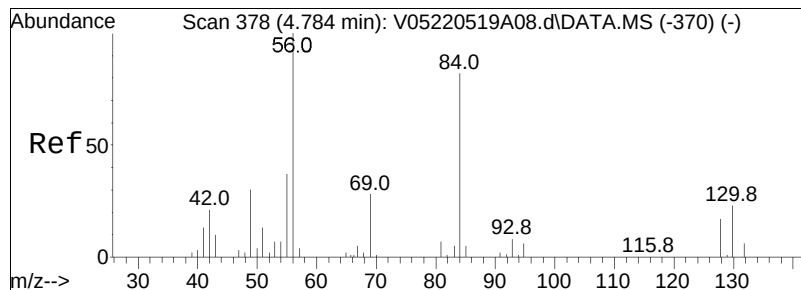




#30  
 Bromochloromethane  
 Concen: 10.71 ug/L  
 RT: 4.755 min Scan# 375  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 128     | 100   |       |        |
| 49      | 197.7 | 109.0 | 163.4# |
| 130     | 128.7 | 105.6 | 158.4  |





#31

Cyclohexane

Concen: 13.27 ug/L

RT: 4.736 min Scan# 373

Delta R.T. 0.000 min

Lab File: V05230405A02.d

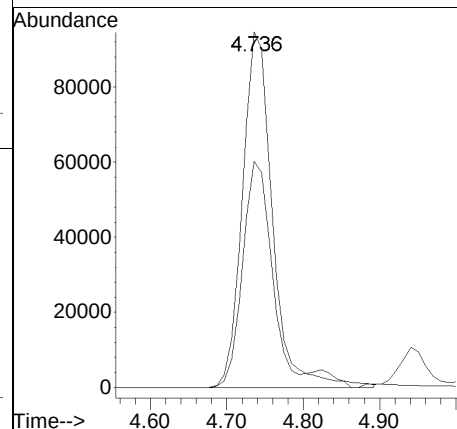
Acq: 5 Apr 2023 7:21 am

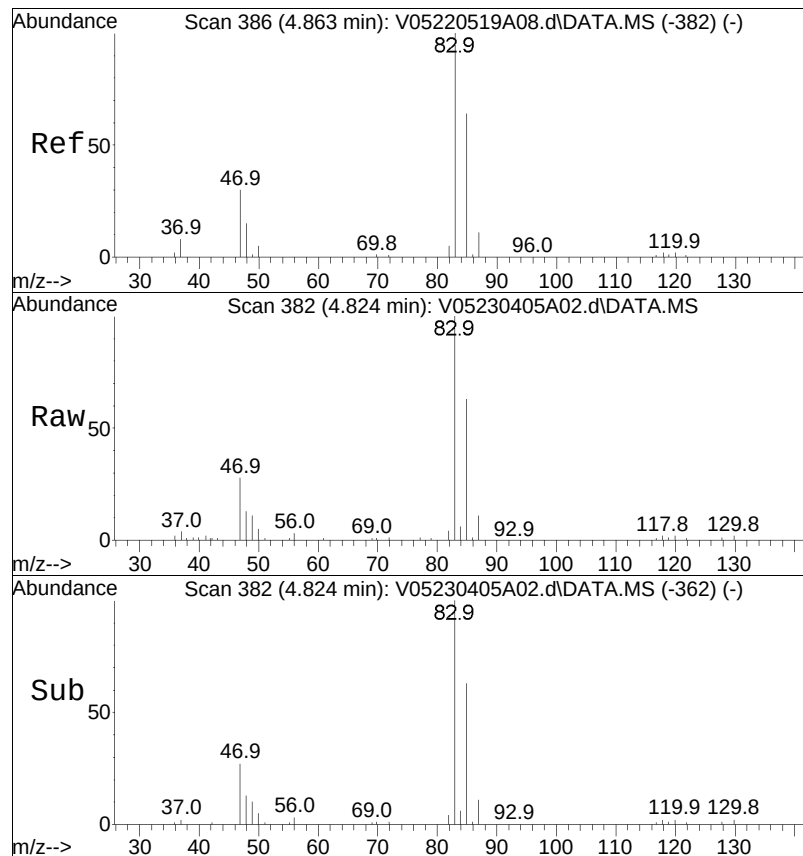
Tgt Ion: 56 Resp: 258647

Ion Ratio Lower Upper

56 100

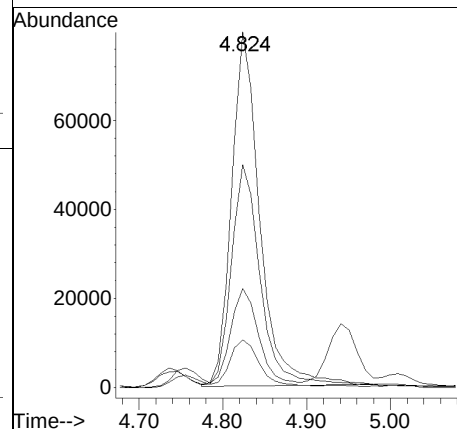
84 61.6 64.4 133.8#



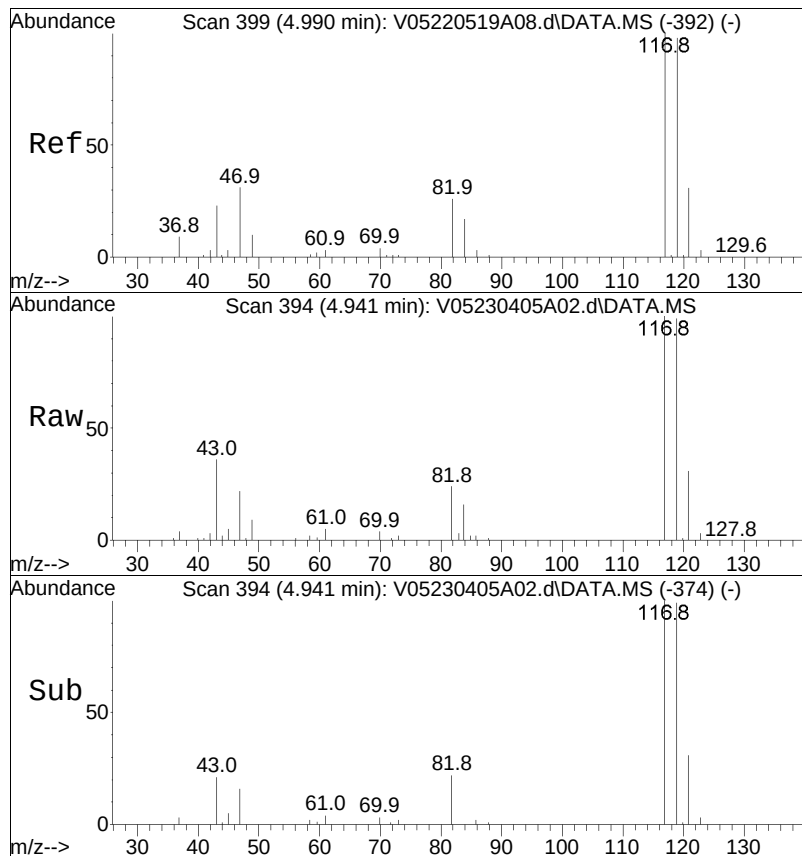


#32  
 Chloroform  
 Concen: 11.18 ug/L  
 RT: 4.824 min Scan# 382  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 83 | Resp: | 187129 |
| Ion | Ratio   | Lower | Upper  |
| 83  | 100     |       |        |
| 85  | 64.2    | 42.8  | 89.0   |
| 47  | 26.0    | 13.7  | 28.4   |
| 48  | 14.0    | 6.9   | 14.3   |

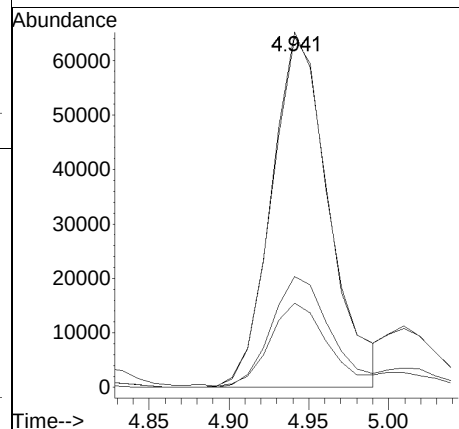


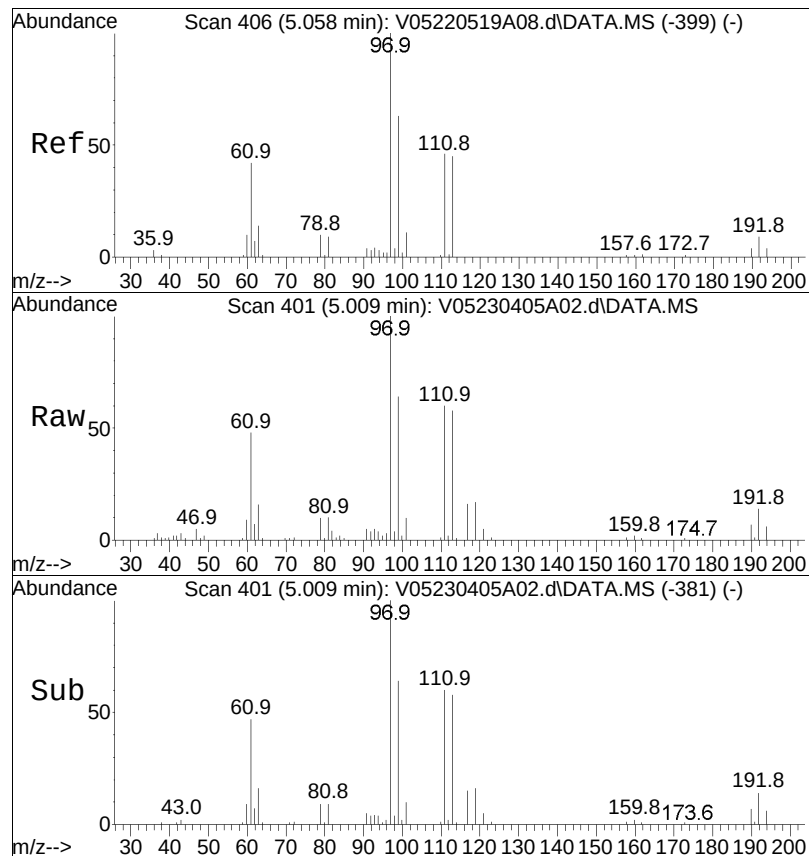




#34  
 Carbon tetrachloride  
 Concen: 11.49 ug/L  
 RT: 4.941 min Scan# 394  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

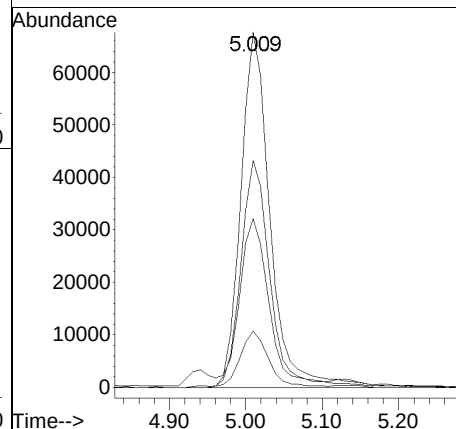
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 162047 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 99.7  | 63.6  | 132.2  |
| 121       | 32.3  | 19.8  | 41.0   |
| 82        | 23.7  | 15.9  | 32.9   |

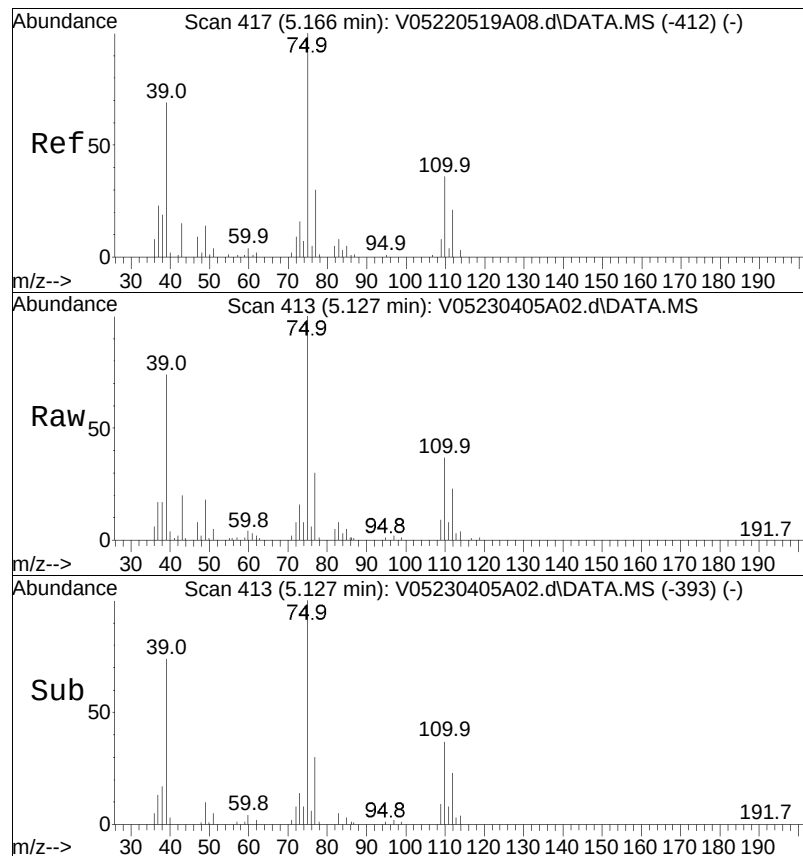




#37  
 1,1,1-Trichloroethane  
 Concen: 11.95 ug/L  
 RT: 5.009 min Scan# 401  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

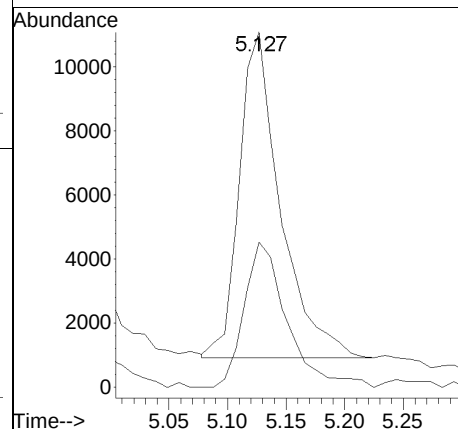
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 180640 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 99 63.6     | 41.7 86.5    |
| 61 46.4     | 26.1 54.3    |
| 63 15.7     | 8.5 17.6     |

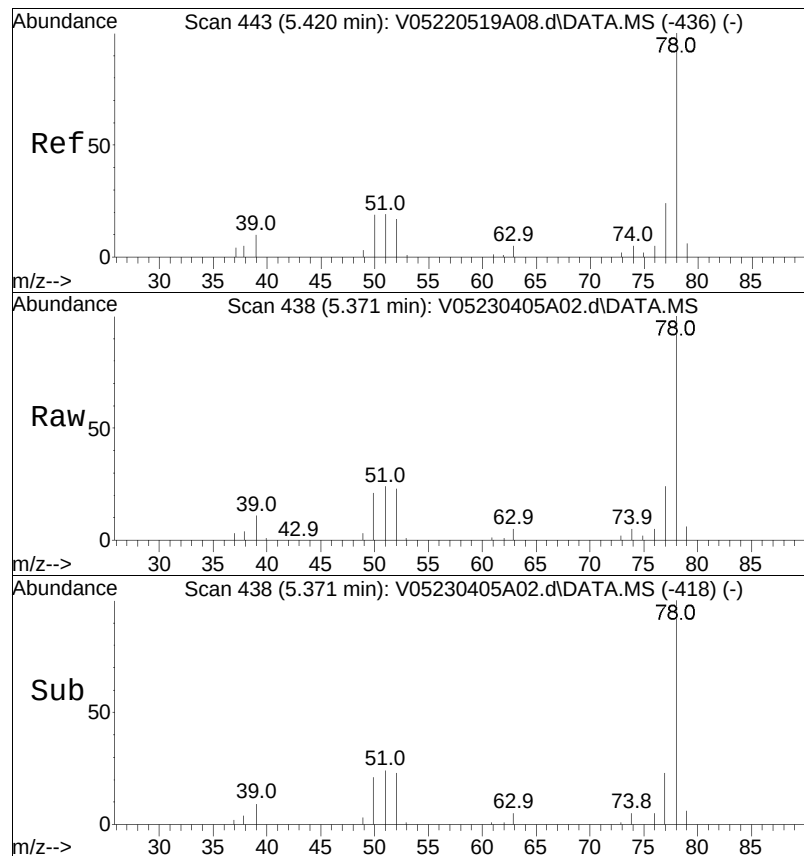




#39  
 2-Butanone  
 Concen: 8.11 ug/L  
 RT: 5.127 min Scan# 413  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

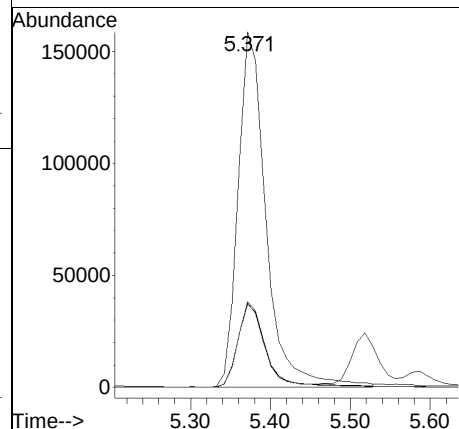
Tgt Ion: 43 Resp: 24741  
 Ion Ratio Lower Upper  
 43 100  
 72 46.5 55.6 83.4#

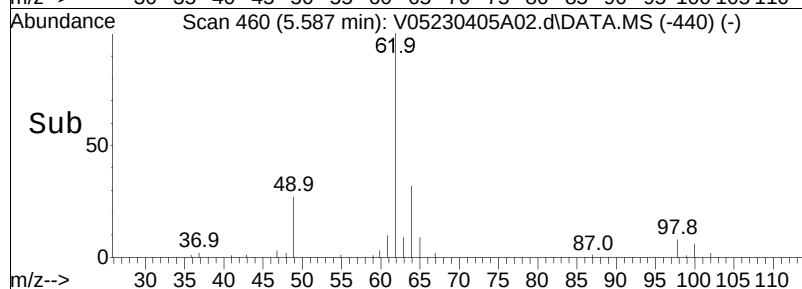
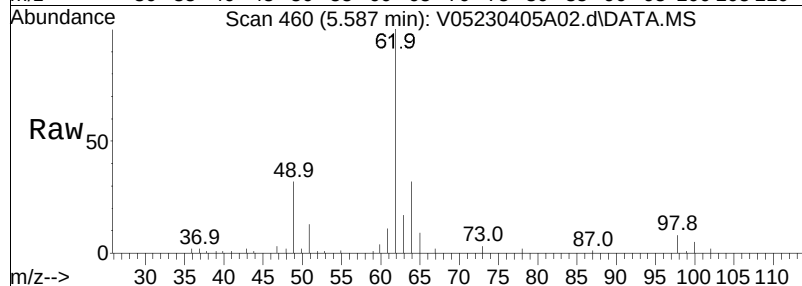
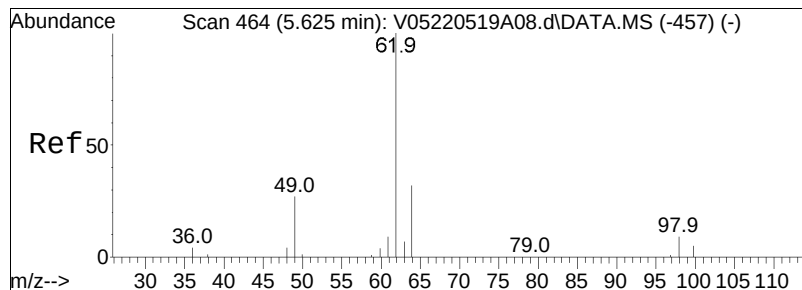




#41  
 Benzene  
 Concen: 10.50 ug/L  
 RT: 5.371 min Scan# 438  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

|             |              |
|-------------|--------------|
| Tgt Ion: 78 | Resp: 389993 |
| Ion Ratio   | Lower Upper  |
| 78 100      |              |
| 77 24.0     | 15.2 31.6    |
| 51 22.4     | 10.5 21.7#   |
| 52 23.7     | 9.5 19.7#    |





#44

1,2-Dichloroethane

Concen: 11.53 ug/L

RT: 5.587 min Scan# 460

Delta R.T. 0.000 min

Lab File: V05230405A02.d

Acq: 5 Apr 2023 7:21 am

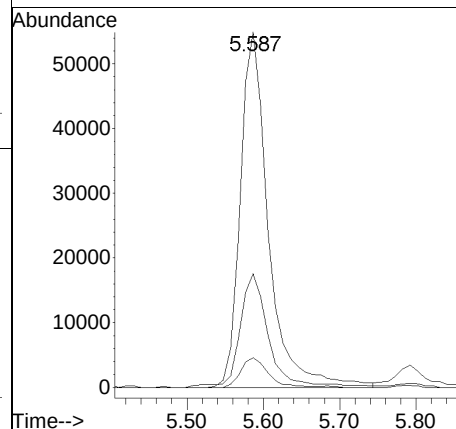
Tgt Ion: 62 Resp: 140480

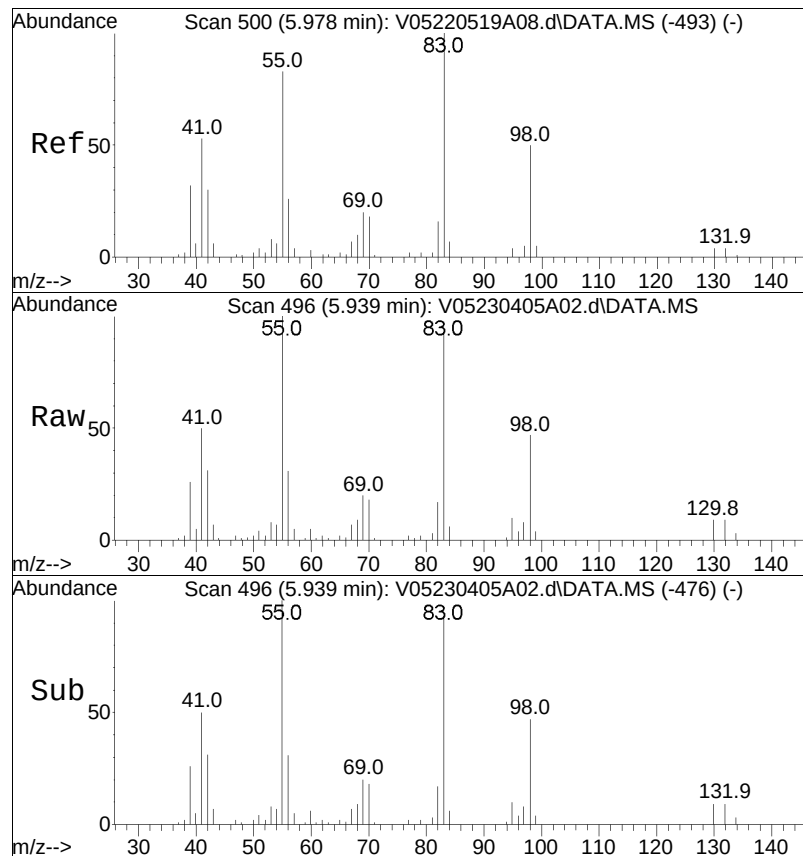
Ion Ratio Lower Upper

62 100

64 32.6 13.2 53.2

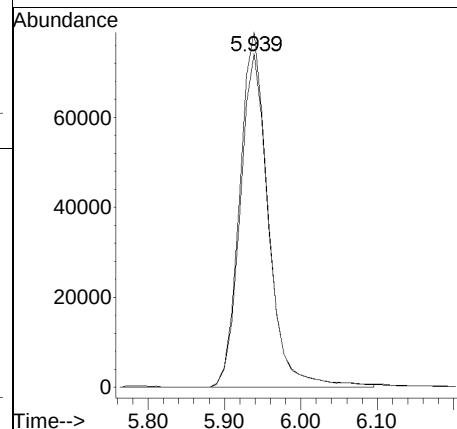
98 8.3 0.0 27.8

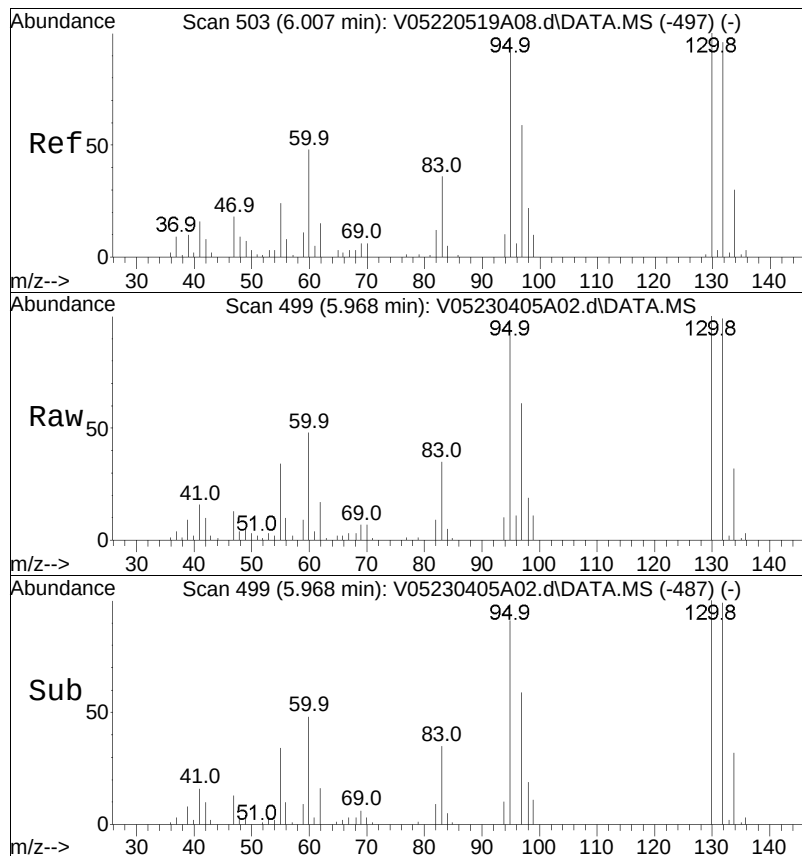




#47  
Methyl cyclohexane  
Concen: 11.25 ug/L  
RT: 5.939 min Scan# 496  
Delta R.T. 0.000 min  
Lab File: V05230405A02.d  
Acq: 5 Apr 2023 7:21 am

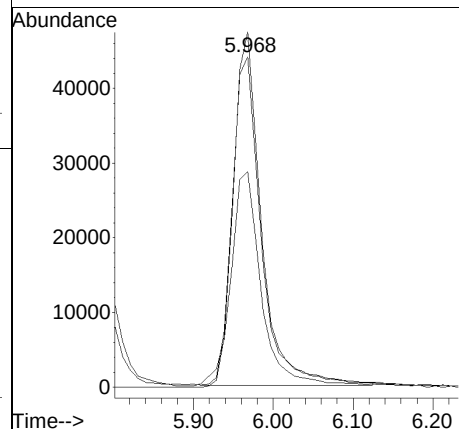
| Tgt | Ion   | Ratio | Lower | Upper |
|-----|-------|-------|-------|-------|
| 83  | 100   |       |       |       |
| 55  | 106.1 | 57.3  | 85.9# |       |

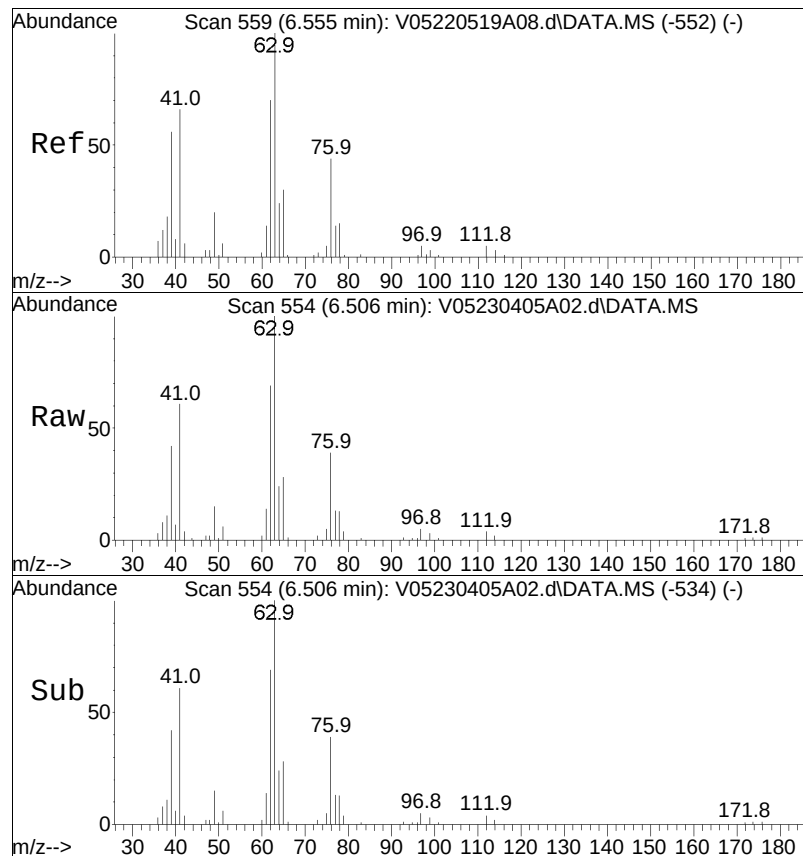




#48  
 Trichloroethene  
 Concen: 11.09 ug/L  
 RT: 5.968 min Scan# 499  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

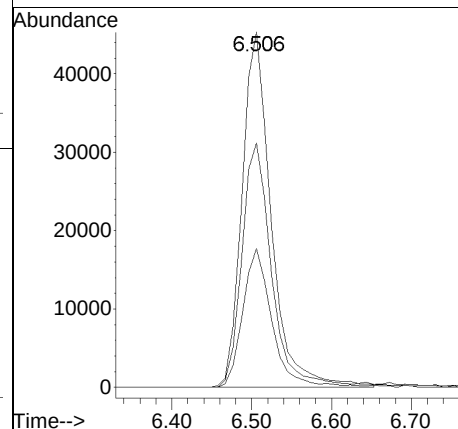
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 95    | Resp: | 110893 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 97        | 68.4  | 56.1  | 84.1   |
| 130       | 107.2 | 77.7  | 116.5  |



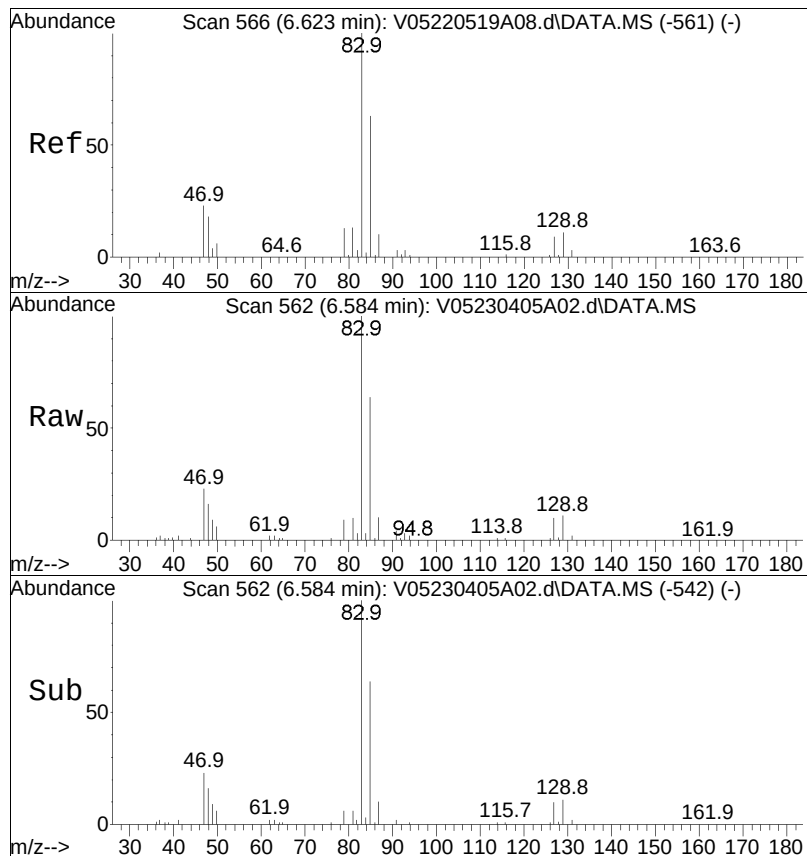


#51  
 1,2-Dichloropropane  
 Concen: 11.02 ug/L  
 RT: 6.506 min Scan# 554  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 63 | Resp: | 115525 |
| Ion | Ratio   | Lower | Upper  |
| 63  | 100     |       |        |
| 62  | 70.1    | 57.0  | 85.4   |
| 76  | 39.1    | 48.4  | 72.6#  |







#54

Bromodichloromethane

Concen: 10.41 ug/L

RT: 6.584 min Scan# 562

Delta R.T. 0.000 min

Lab File: V05230405A02.d

Acq: 5 Apr 2023 7:21 am

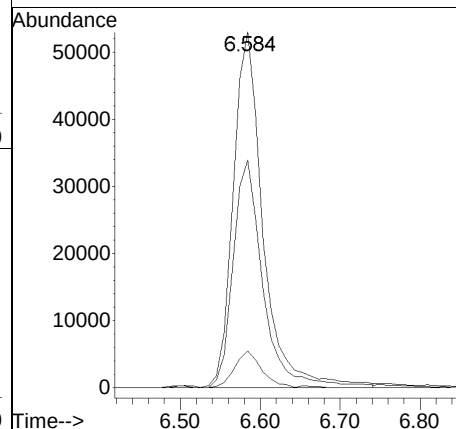
Tgt Ion: 83 Resp: 137433

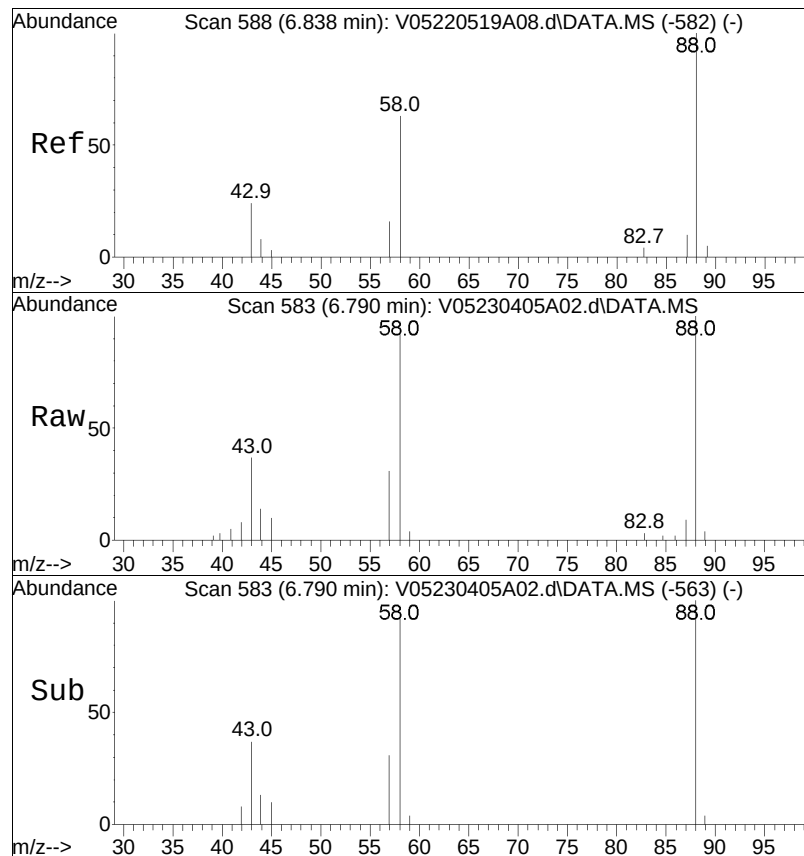
Ion Ratio Lower Upper

83 100

85 64.1 51.0 76.6

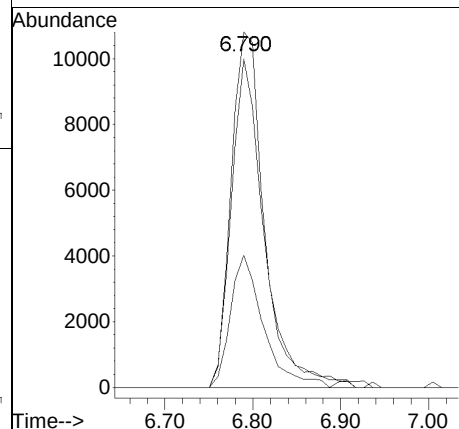
127 9.2 6.7 10.1

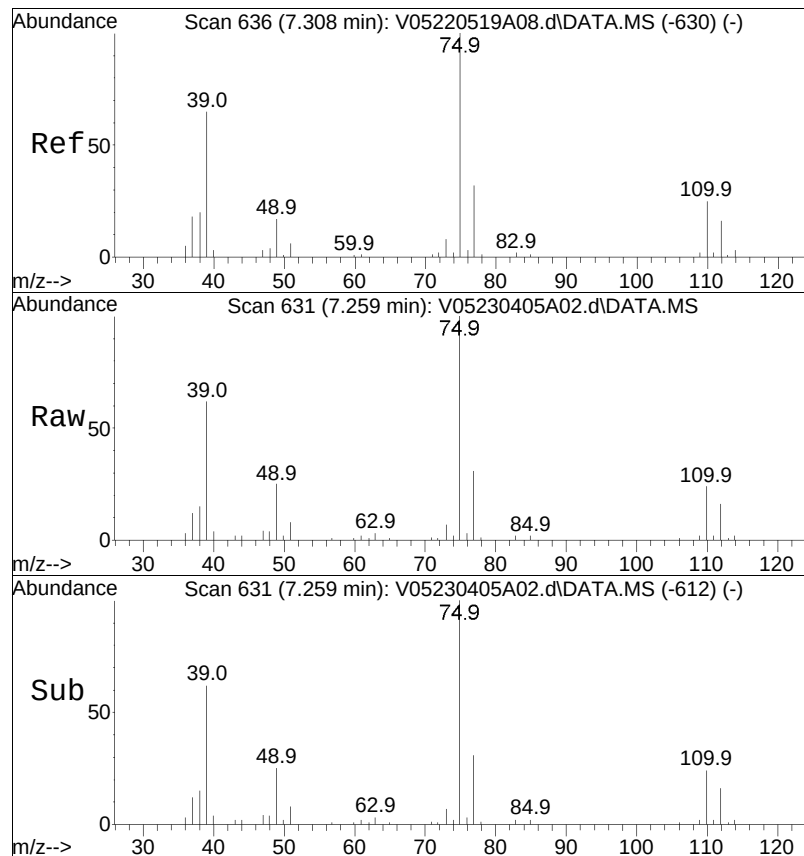




#57  
 1,4-Dioxane  
 Concen: 547.16 ug/L  
 RT: 6.790 min Scan# 583  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

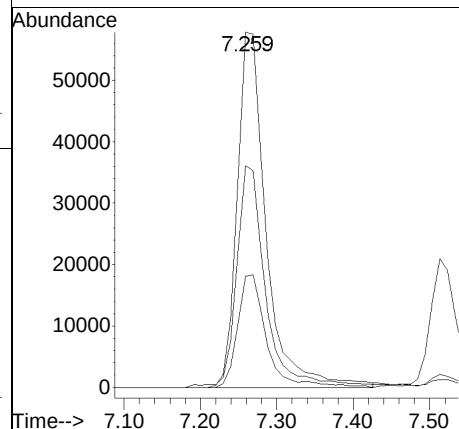
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 28979 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 89.1  | 50.6  | 75.8# |
| 43        | 36.3  | 20.5  | 30.7# |

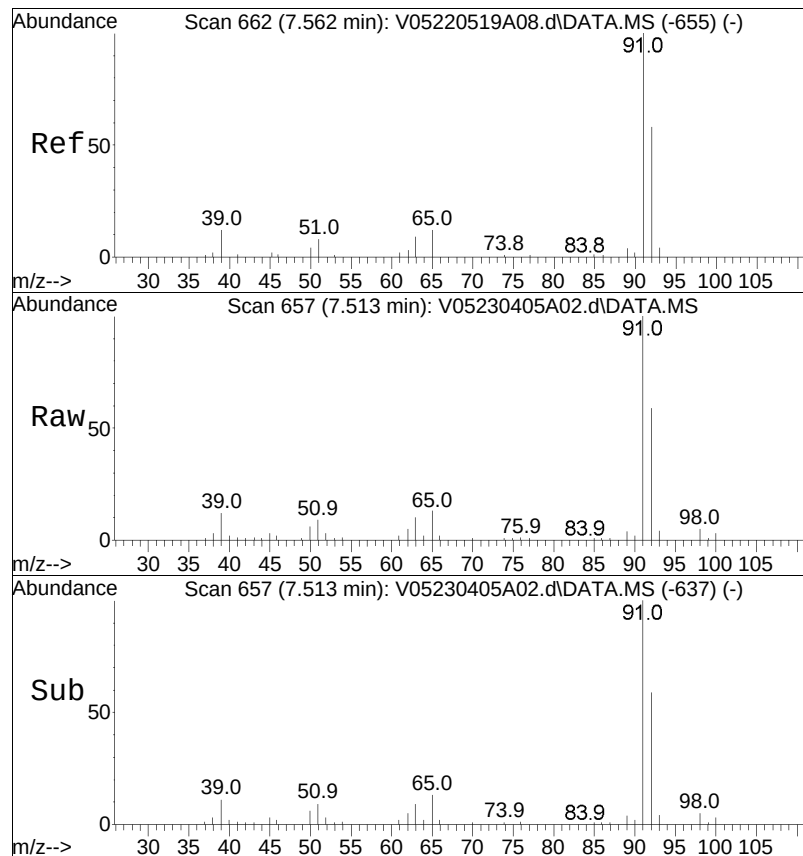




#58  
 cis-1,3-Dichloropropene  
 Concen: 9.89 ug/L  
 RT: 7.259 min Scan# 631  
 Delta R.T. -0.010 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

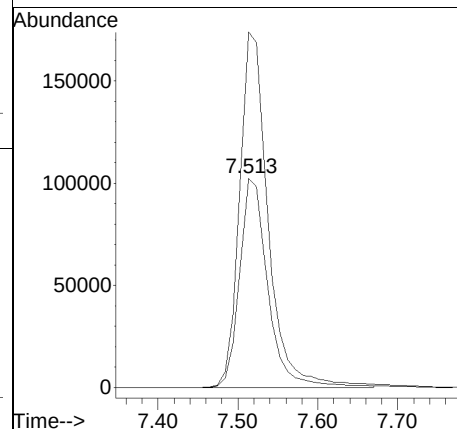
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 152424 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.5  | 25.5  | 38.3   |
| 39        | 62.6  | 40.4  | 60.6#  |

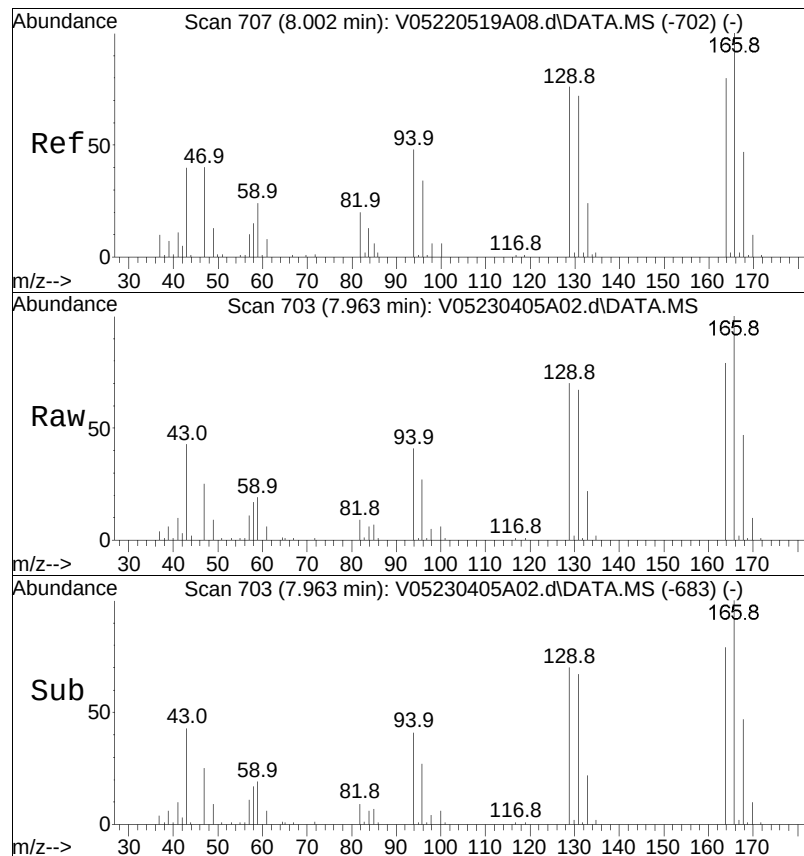




#61  
Toluene  
Concen: 9.95 ug/L  
RT: 7.513 min Scan# 657  
Delta R.T. 0.000 min  
Lab File: V05230405A02.d  
Acq: 5 Apr 2023 7:21 am

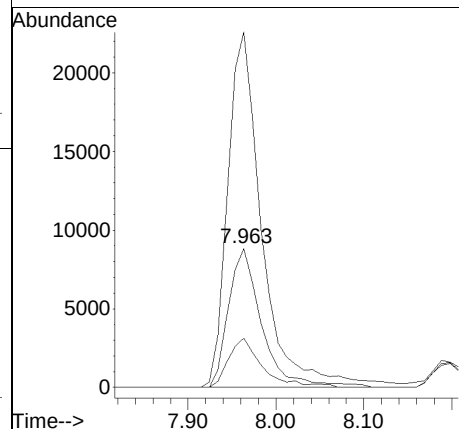
| Tgt | Ion   | Resp   | Lower | Upper |
|-----|-------|--------|-------|-------|
| 92  | 100   |        |       |       |
| 91  | 171.5 | 252147 | 135.2 | 202.8 |

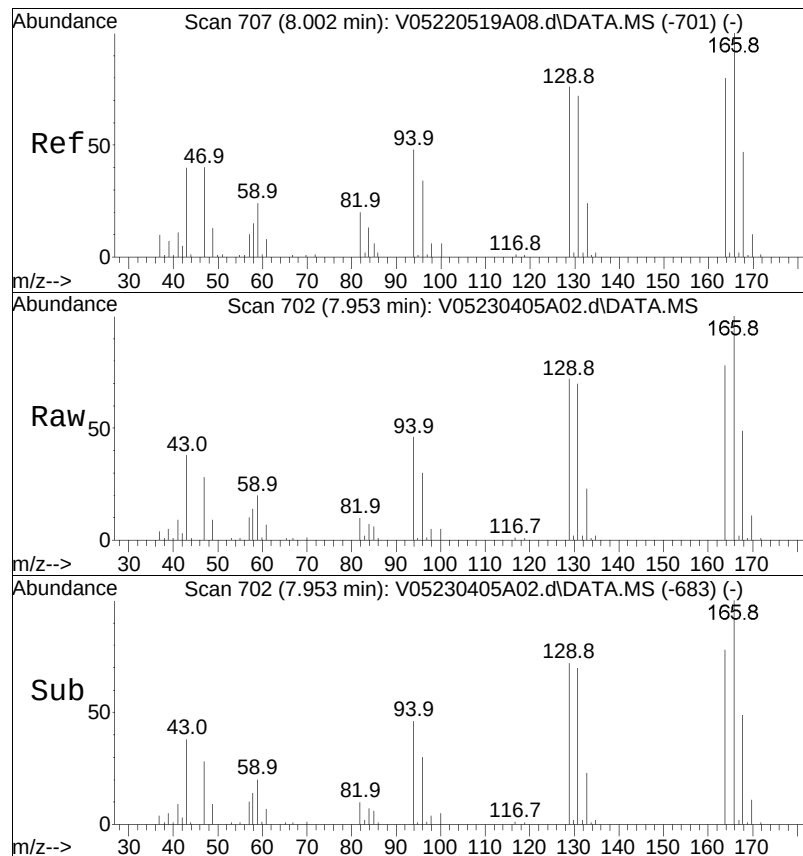




#62  
 4-Methyl-2-pentanone  
 Concen: 9.35 ug/L  
 RT: 7.963 min Scan# 703  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

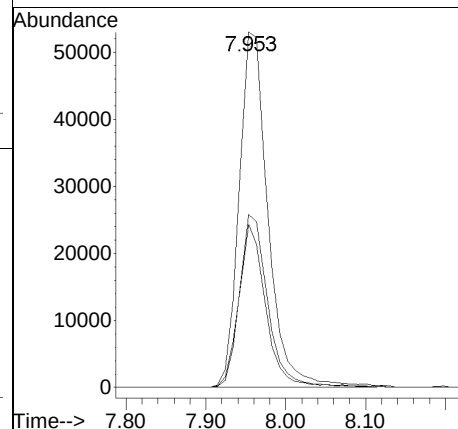
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 58    | Resp: | 23355 |
| Ion Ratio | Lower | Upper |       |
| 58        | 100   |       |       |
| 100       | 35.8  | 38.9  | 58.3# |
| 43        | 261.7 | 204.2 | 306.2 |

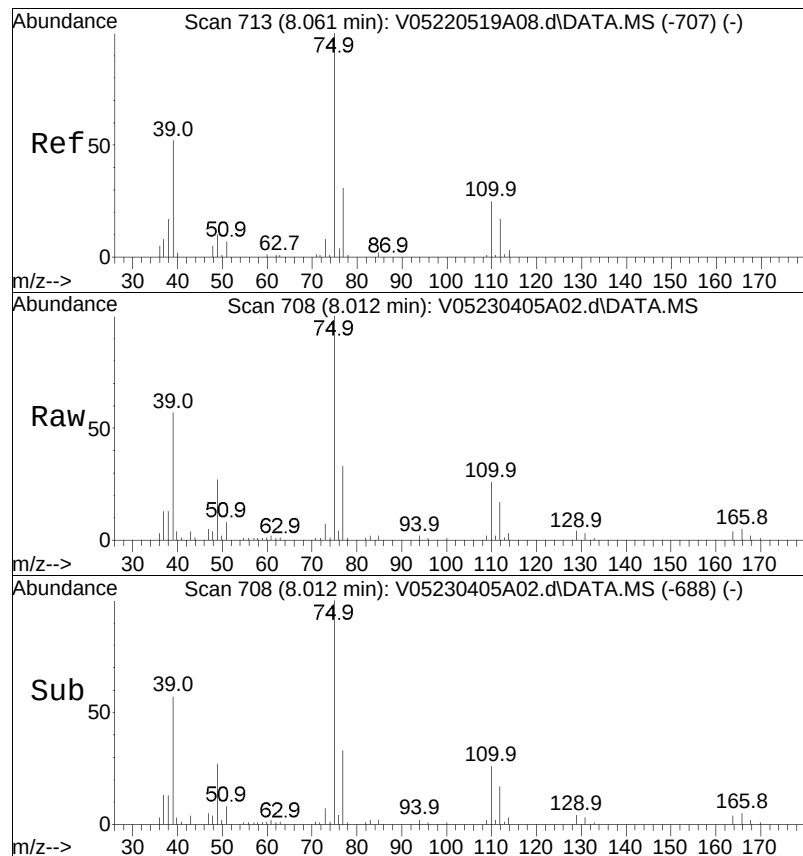




#63  
Tetrachloroethene  
Concen: 11.35 ug/L  
RT: 7.953 min Scan# 702  
Delta R.T. -0.010 min  
Lab File: V05230405A02.d  
Acq: 5 Apr 2023 7:21 am

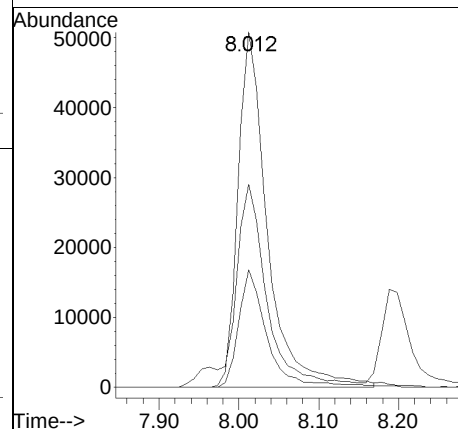
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:166 | Resp: | 134083 |
| Ion | Ratio   | Lower | Upper  |
| 166 | 100     |       |        |
| 168 | 47.6    | 30.2  | 70.2   |
| 94  | 43.0    | 32.5  | 72.5   |

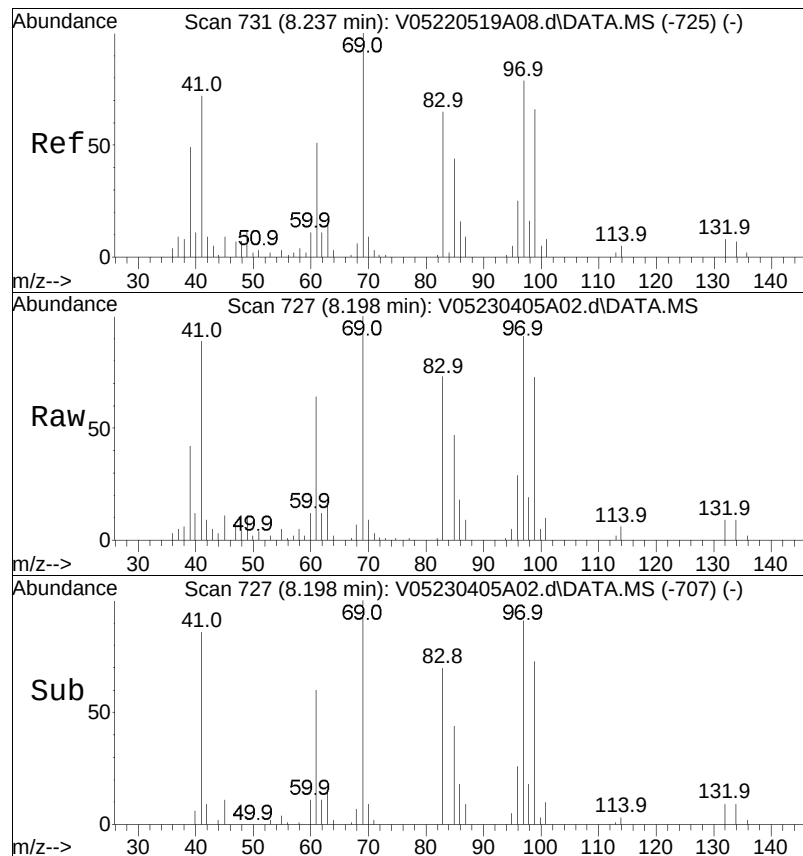




#65  
trans-1,3-Dichloropropene  
Concen: 9.51 ug/L  
RT: 8.012 min Scan# 708  
Delta R.T. 0.000 min  
Lab File: V05230405A02.d  
Acq: 5 Apr 2023 7:21 am

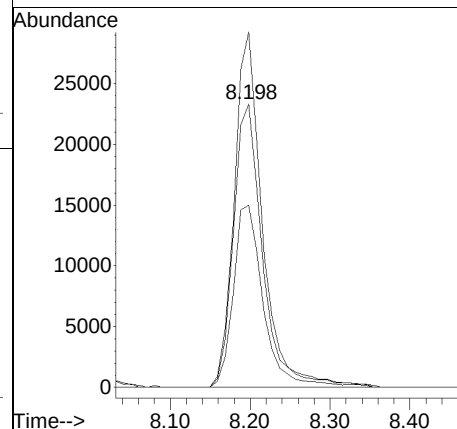
|             |              |
|-------------|--------------|
| Tgt Ion: 75 | Resp: 130751 |
| Ion Ratio   | Lower Upper  |
| 75 100      |              |
| 77 31.8     | 11.5 51.5    |
| 39 62.9     | 29.3 69.3    |



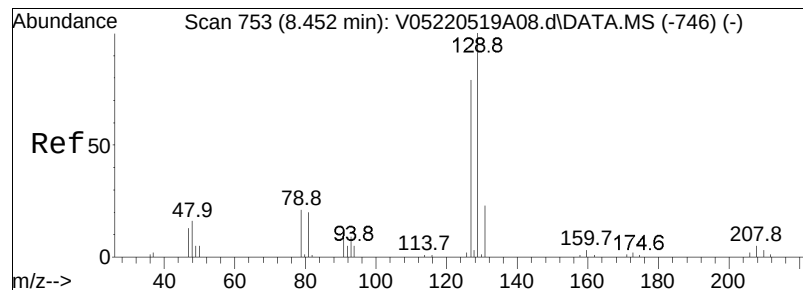


#68  
 1,1,2-Trichloroethane  
 Concen: 9.48 ug/L  
 RT: 8.198 min Scan# 727  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 59674 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 97        | 120.8 | 102.2 | 142.2 |
| 85        | 65.9  | 47.5  | 87.5  |







#69

Chlorodibromomethane

Concen: 9.23 ug/L

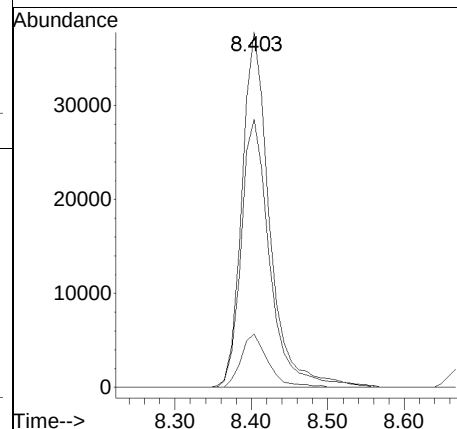
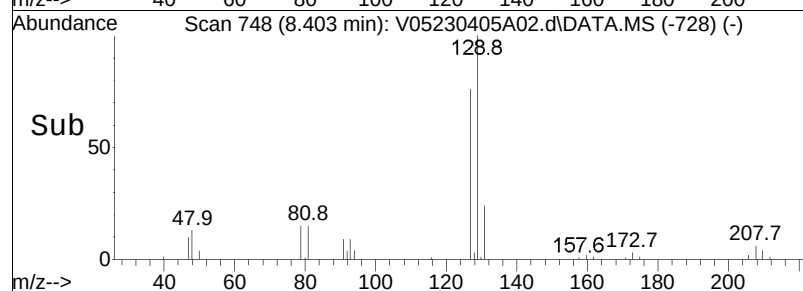
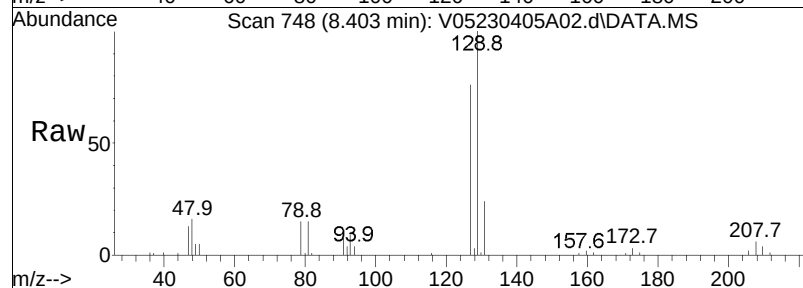
RT: 8.403 min Scan# 748

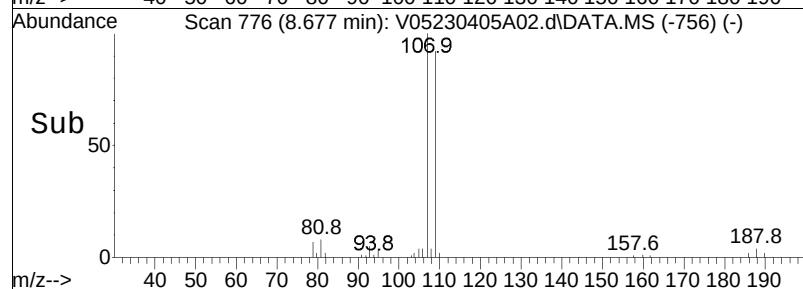
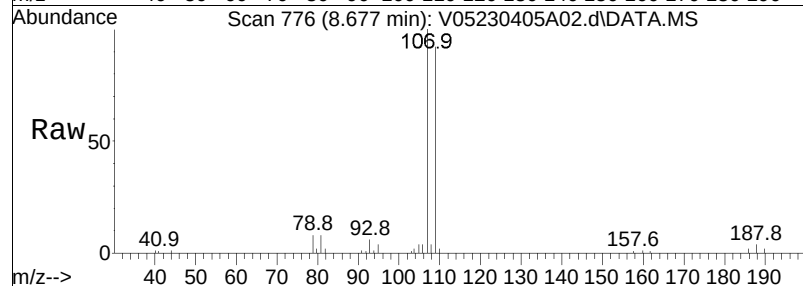
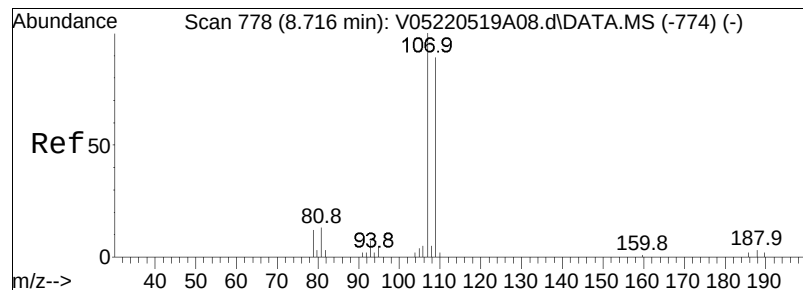
Delta R.T. 0.000 min

Lab File: V05230405A02.d

Acq: 5 Apr 2023 7:21 am

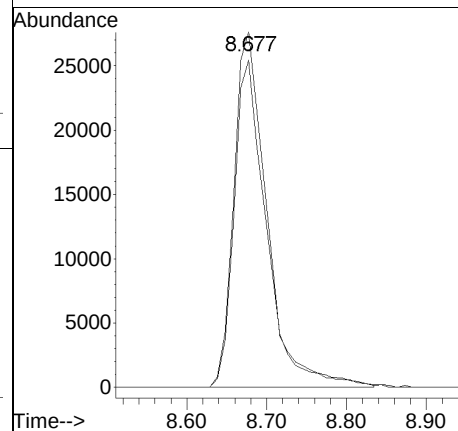
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 129   | Resp: | 95735 |
| Ion Ratio | Lower | Upper |       |
| 129       | 100   |       |       |
| 81        | 14.7  | 0.0   | 37.0  |
| 127       | 78.0  | 58.3  | 98.3  |

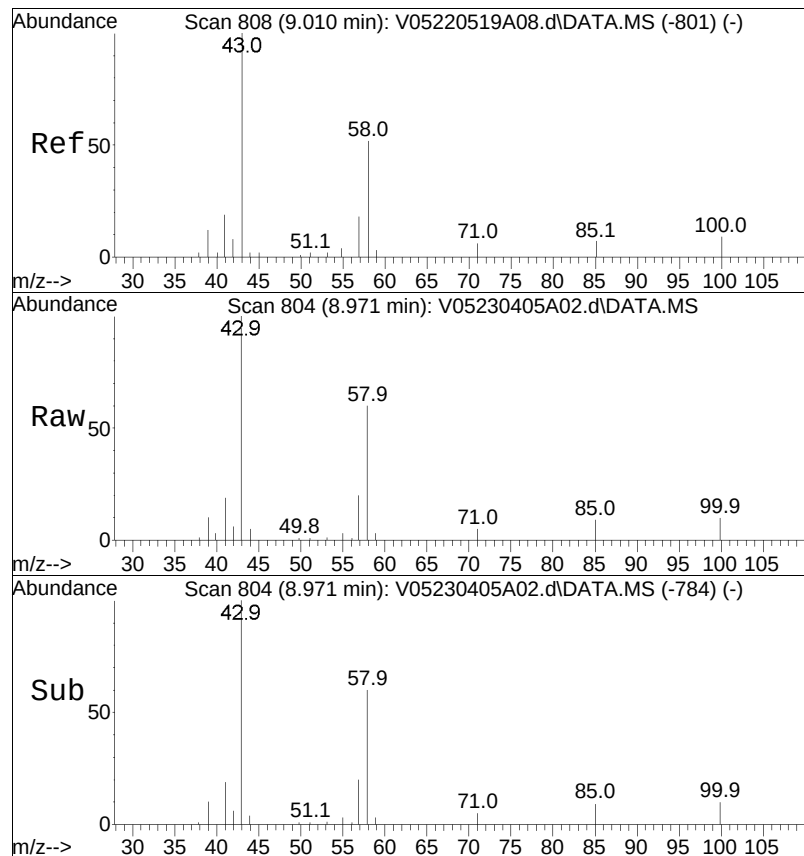




#71  
 1,2-Dibromoethane  
 Concen: 9.55 ug/L  
 RT: 8.677 min Scan# 776  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

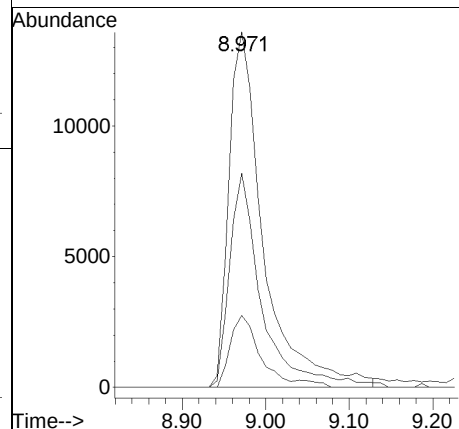
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 90.8  | 75.0  | 112.6 |

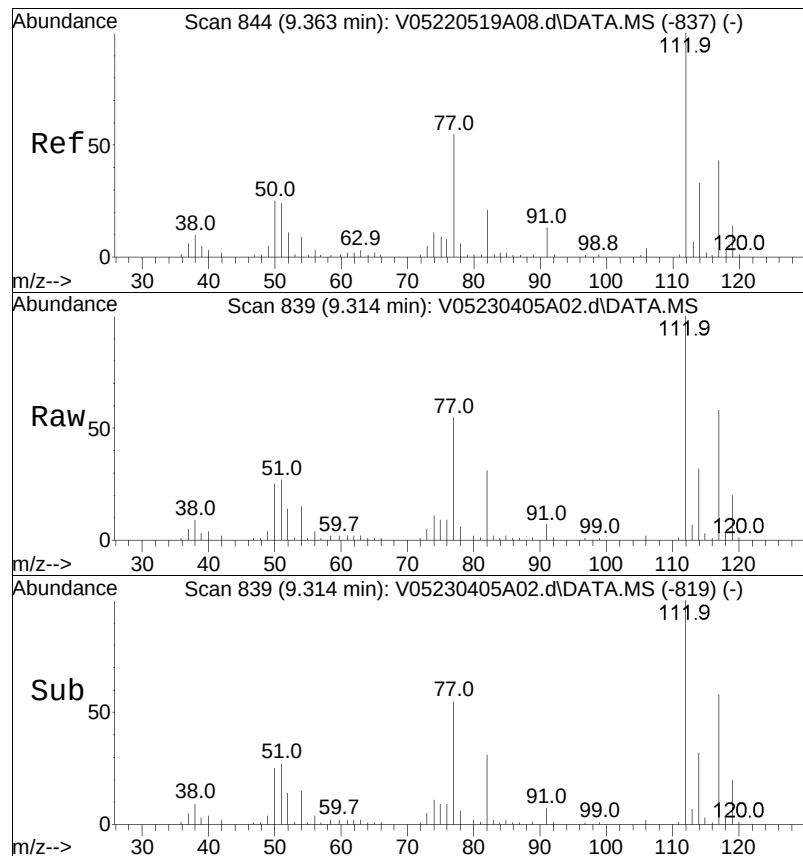




#72  
 2-Hexanone  
 Concen: 8.42 ug/L  
 RT: 8.971 min Scan# 804  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

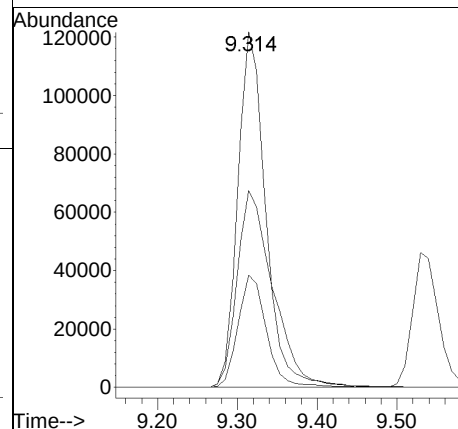
| Tgt Ion:  | 43    | Resp: | 39300 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 55.7  | 42.3  | 63.5  |
| 57        | 18.4  | 15.6  | 23.4  |

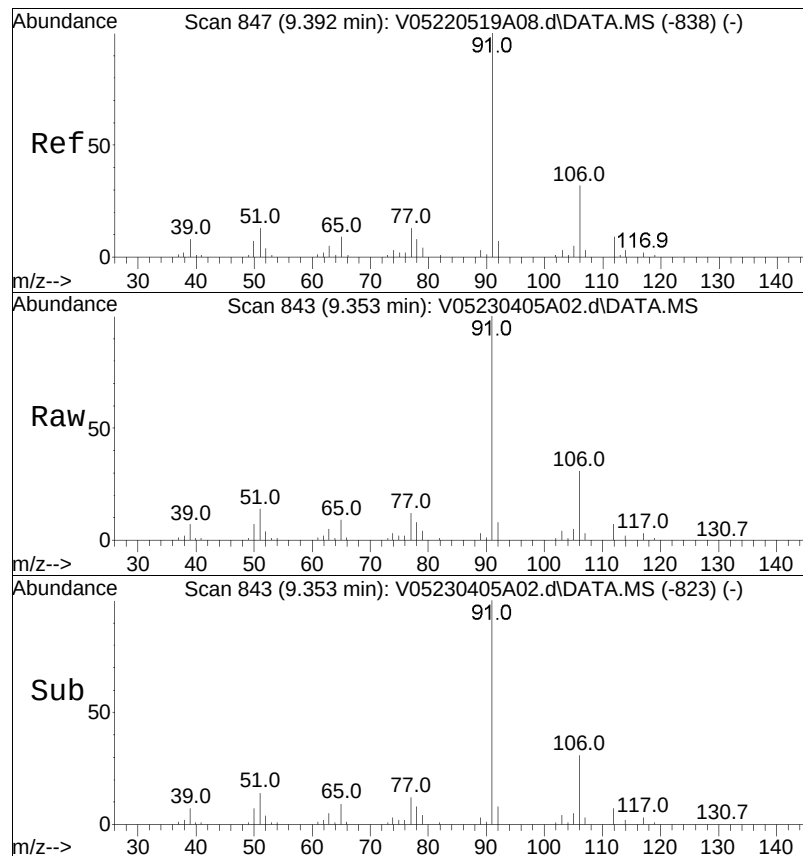




#73  
 Chlorobenzene  
 Concen: 10.14 ug/L  
 RT: 9.314 min Scan# 839  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

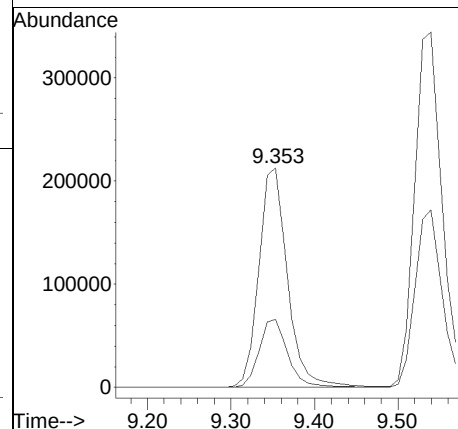
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:112 | Resp: | 296844 |
| Ion | Ratio   | Lower | Upper  |
| 112 | 100     |       |        |
| 77  | 70.9    | 66.1  | 99.1   |
| 114 | 32.3    | 25.4  | 38.0   |

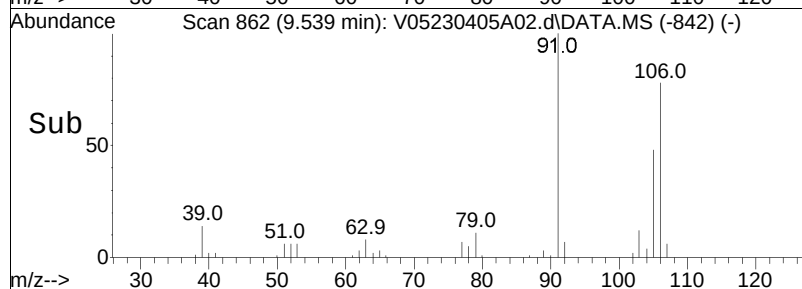
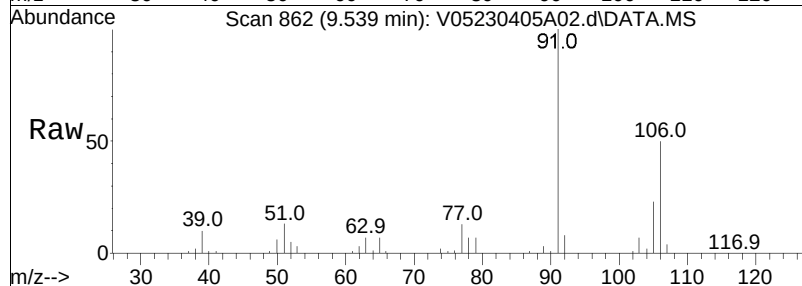
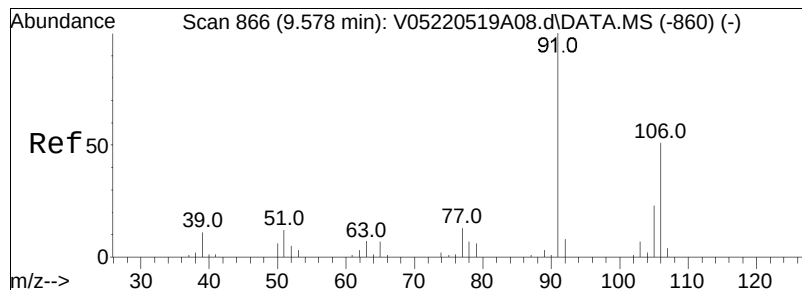




#74  
 Ethylbenzene  
 Concen: 10.27 ug/L  
 RT: 9.353 min Scan# 843  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

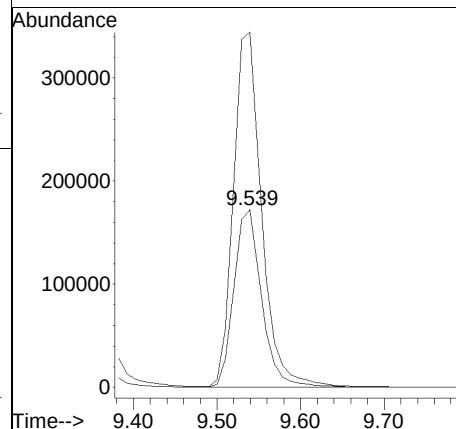
| Tgt | Ion  | Resp   | Lower | Upper |
|-----|------|--------|-------|-------|
| 91  | 100  | 508111 |       |       |
| 106 | 31.0 | 22.9   | 34.3  |       |

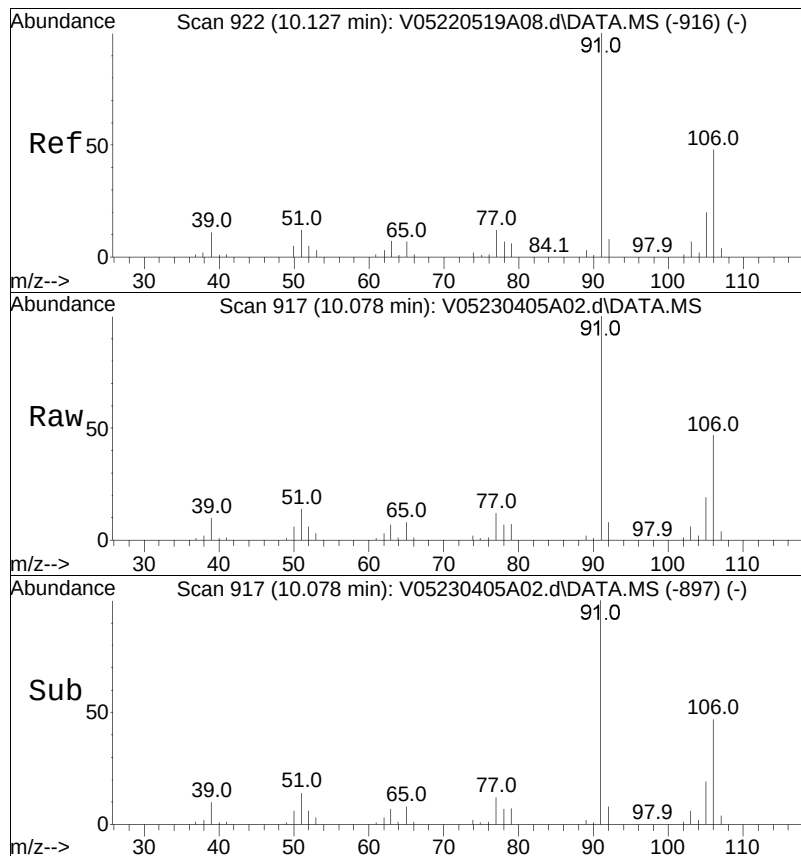




#76  
 p/m Xylene  
 Concen: 20.74 ug/L  
 RT: 9.539 min Scan# 862  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

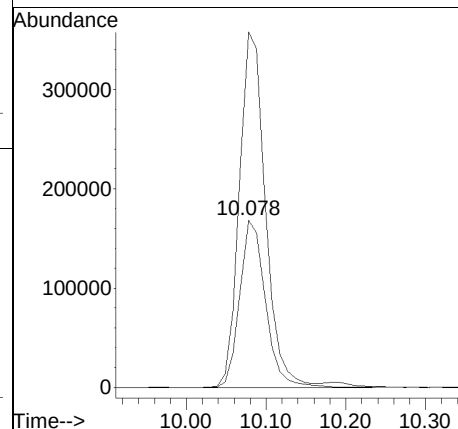
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 202.0 | 177.2 | 265.8 |

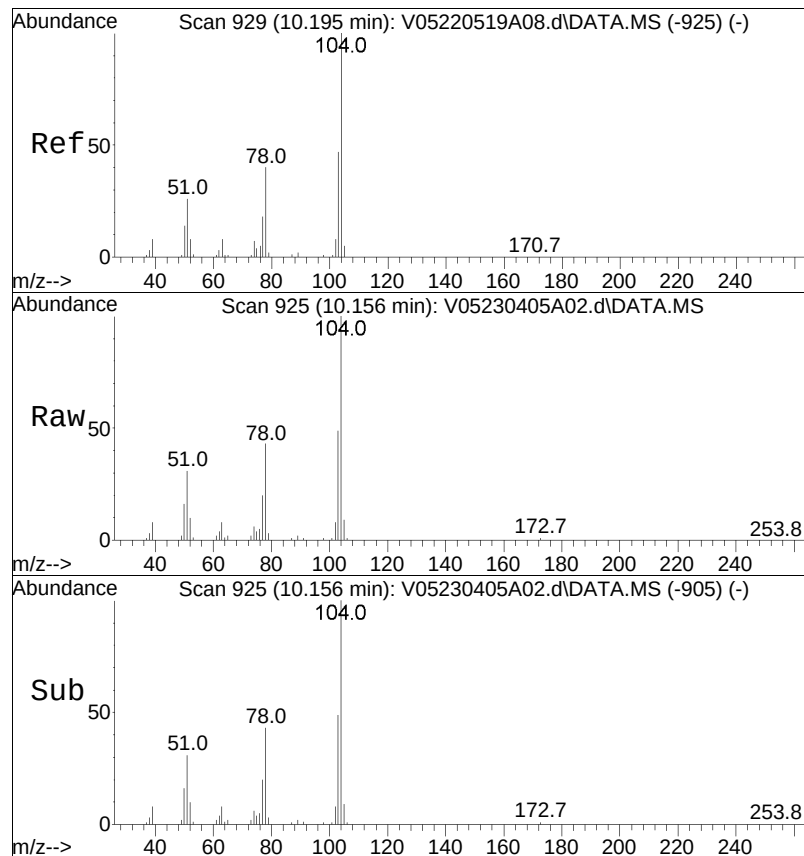




#77  
 o Xylene  
 Concen: 20.24 ug/L  
 RT: 10.078 min Scan# 917  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

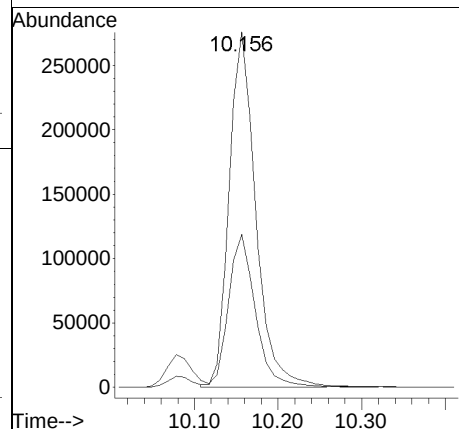
| Tgt | Ion   | Ratio | Lower | Upper |
|-----|-------|-------|-------|-------|
| 106 | 106   | 100   |       |       |
| 91  | 214.7 | 187.0 | 280.6 |       |



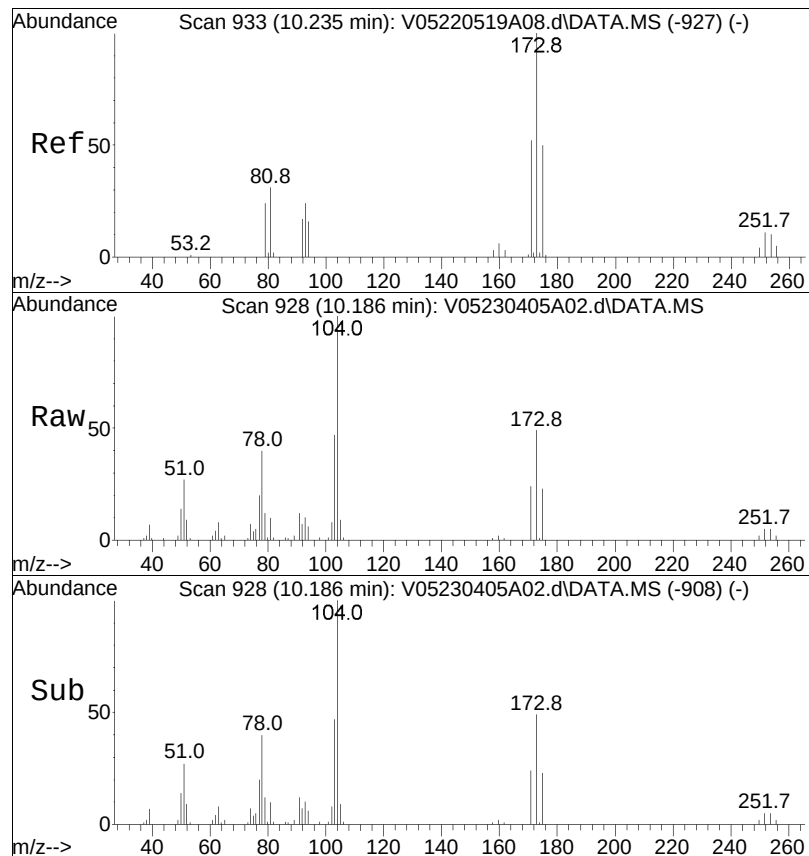


#78  
 Styrene  
 Concen: 20.21 ug/L  
 RT: 10.156 min Scan# 925  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 104 | 100  |       |       |       |
| 78  | 43.4 | 39.6  | 59.4  |       |

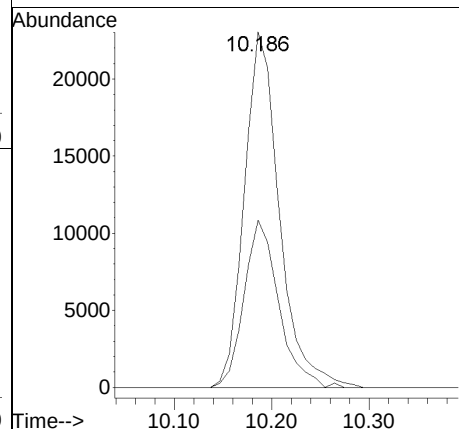


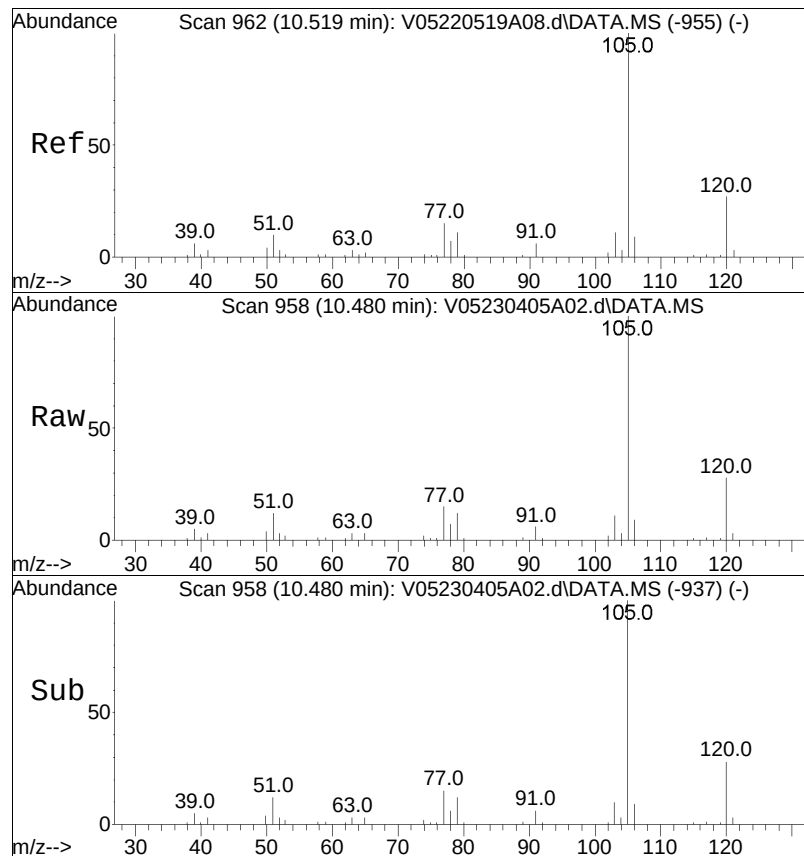




#80  
 Bromoform  
 Concen: 8.74 ug/L  
 RT: 10.186 min Scan# 928  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

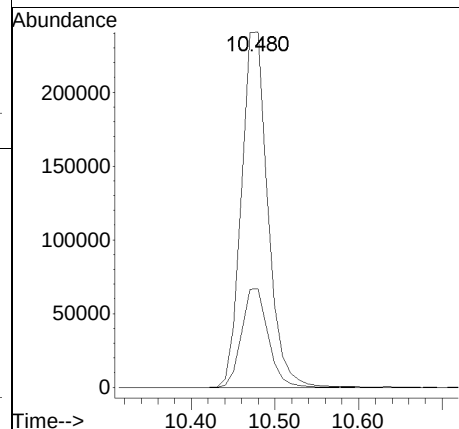
Tgt Ion:173 Resp: 57580  
 Ion Ratio Lower Upper  
 173 100  
 175 46.6 26.6 66.6

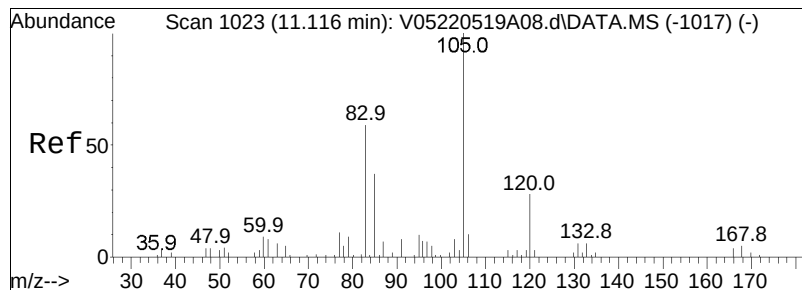




#82  
 Isopropylbenzene  
 Concen: 9.70 ug/L  
 RT: 10.480 min Scan# 958  
 Delta R.T. 0.010 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt | Ion | Ratio | Lower | Upper |
|-----|-----|-------|-------|-------|
| 105 | 105 | 100   |       |       |
| 120 | 120 | 28.0  | 4.8   | 44.8  |





#87

1,1,2,2-Tetrachloroethane

Concen: 8.72 ug/L

RT: 11.077 min Scan# 1019

Delta R.T. 0.000 min

Lab File: V05230405A02.d

Acq: 5 Apr 2023 7:21 am

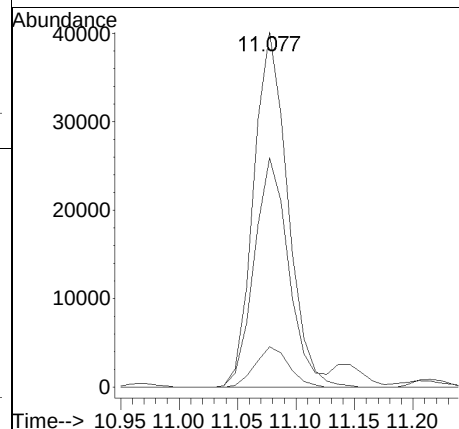
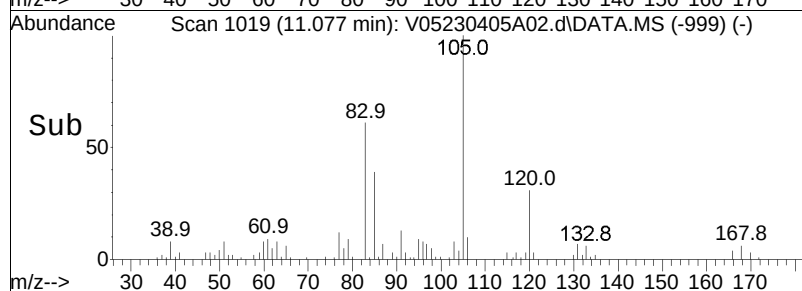
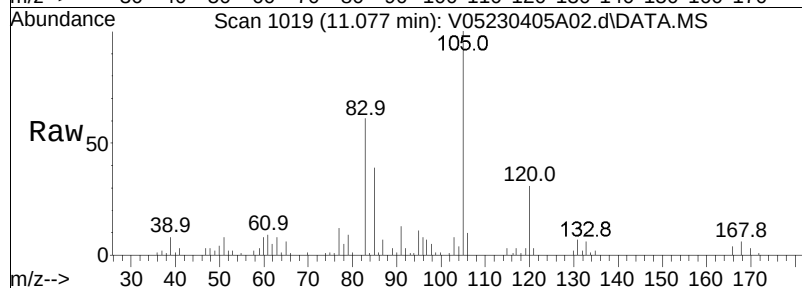
Tgt Ion: 83 Resp: 81394

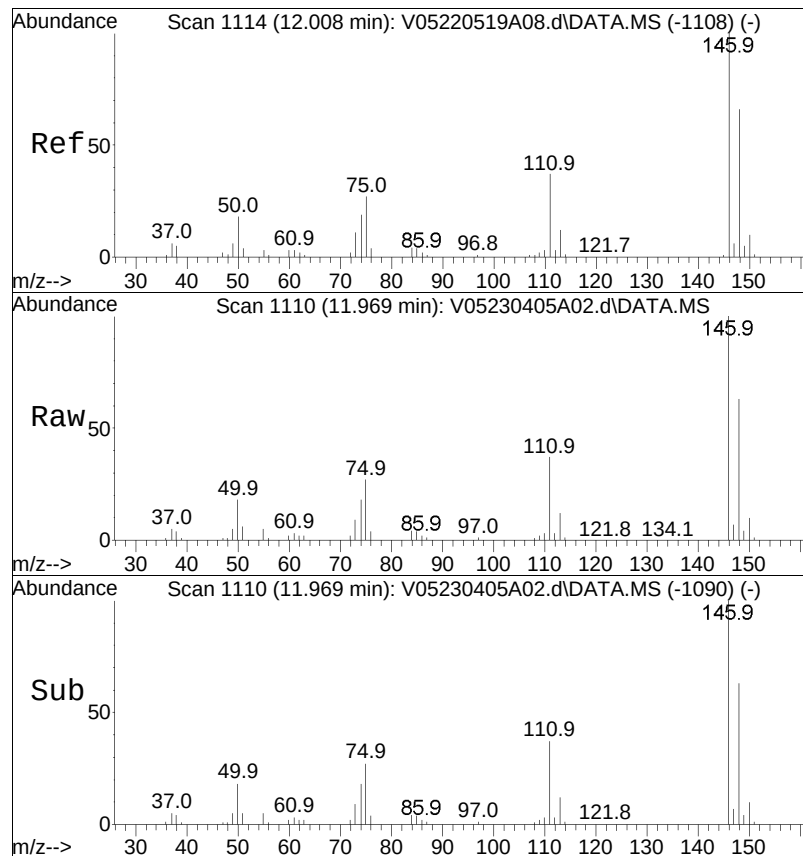
Ion Ratio Lower Upper

83 100

131 11.5 0.0 30.4

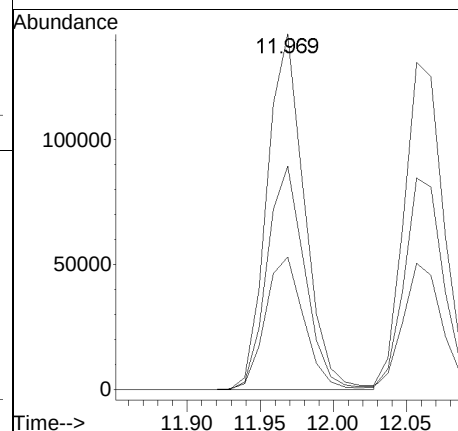
85 66.0 46.4 86.4

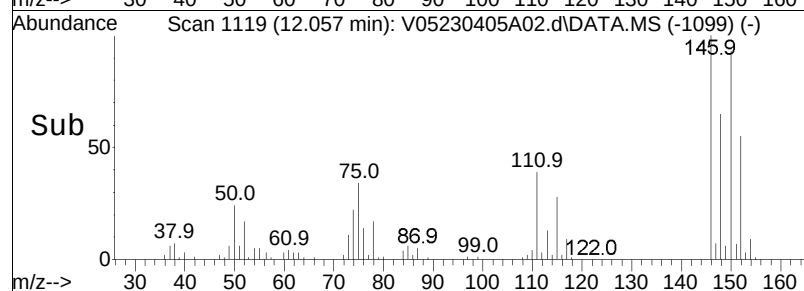
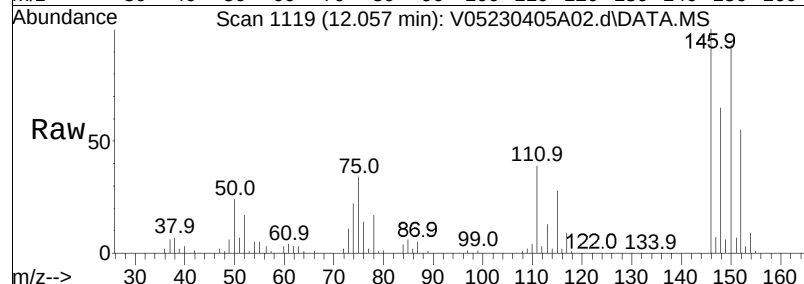
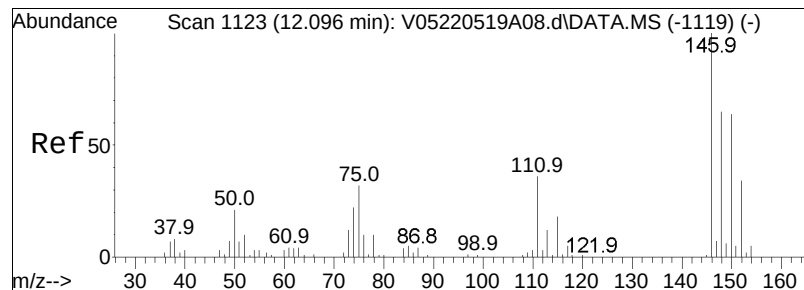




#100  
 1,3-Dichlorobenzene  
 Concen: 10.06 ug/L  
 RT: 11.969 min Scan# 1110  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

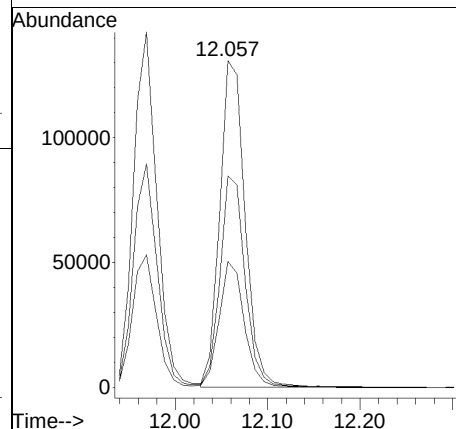
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:146 | Resp: | 253338 |
| Ion | Ratio   | Lower | Upper  |
| 146 | 100     |       |        |
| 111 | 38.4    | 28.0  | 58.1   |
| 148 | 63.1    | 41.6  | 86.4   |

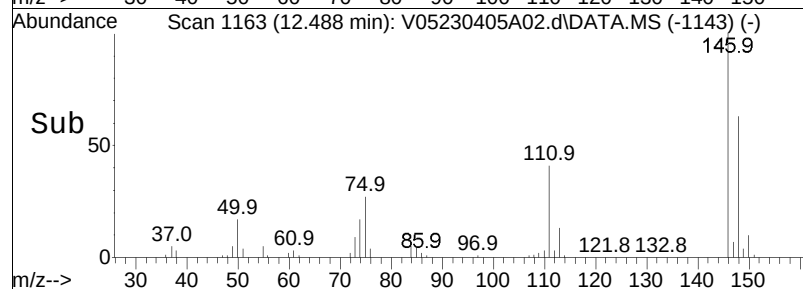
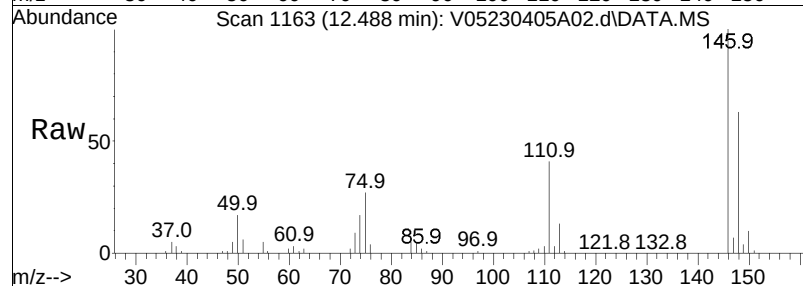
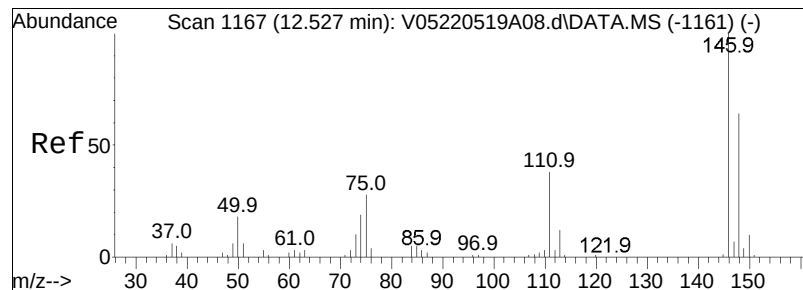




#101  
 1,4-Dichlorobenzene  
 Concen: 9.85 ug/L  
 RT: 12.057 min Scan# 1119  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

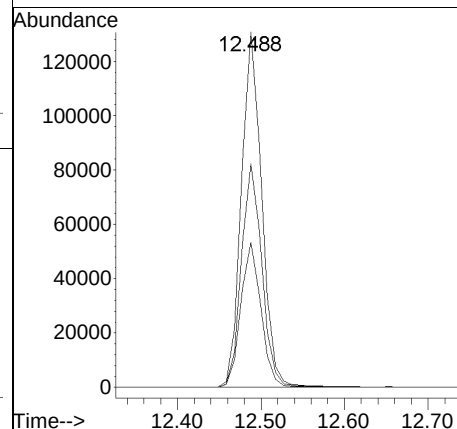
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 33.8  | 50.6  |
| 148     | 64.7  | 51.0  | 76.6  |

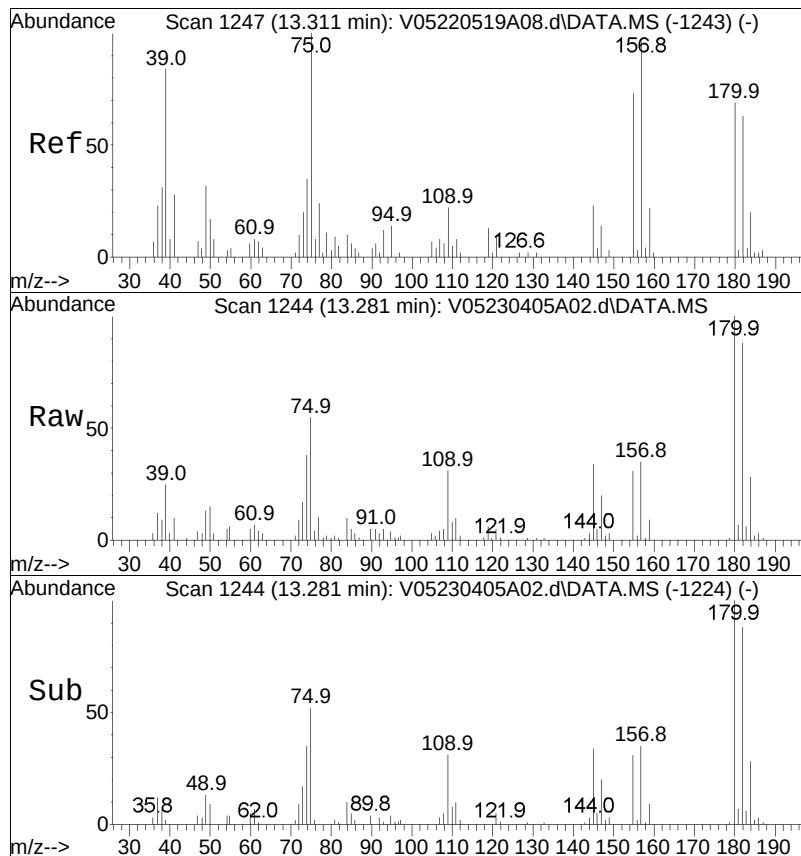




#104  
 1,2-Dichlorobenzene  
 Concen: 9.86 ug/L  
 RT: 12.488 min Scan# 1163  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

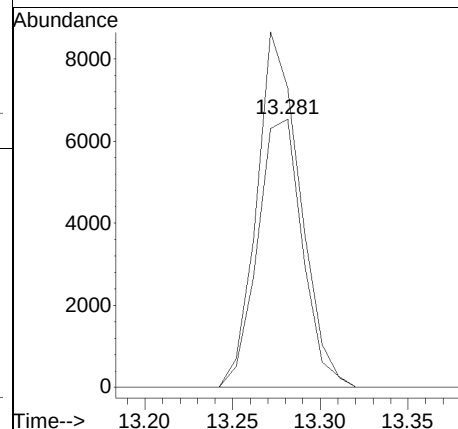
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 29.1  | 60.5  |
| 148     | 63.3  | 41.7  | 86.7  |

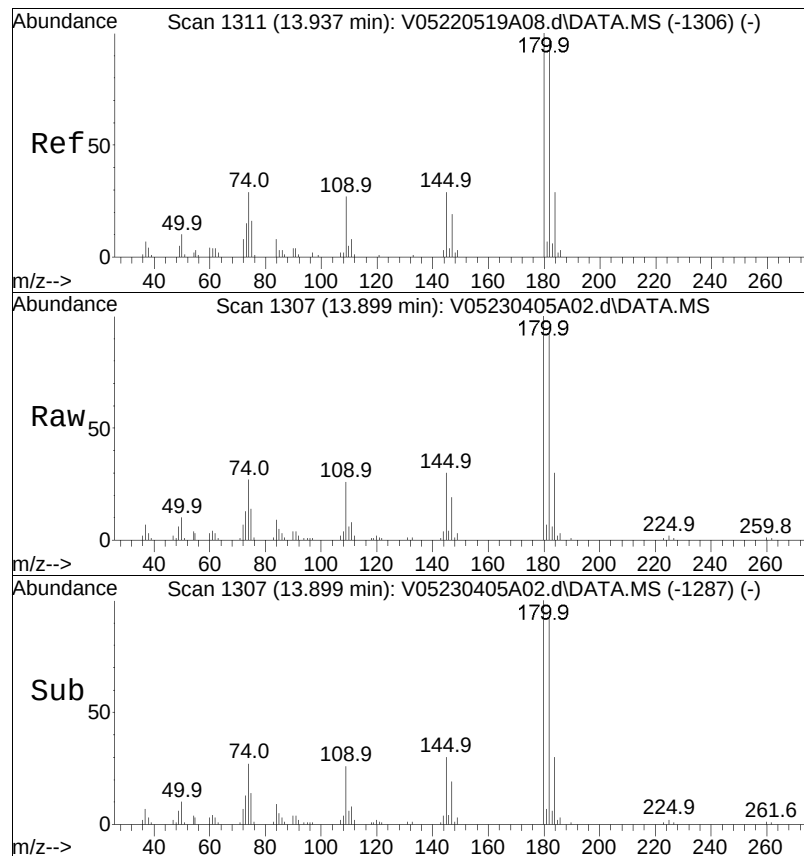




#106  
 1,2-Dibromo-3-chloropropane  
 Concen: 7.90 ug/L  
 RT: 13.281 min Scan# 1244  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

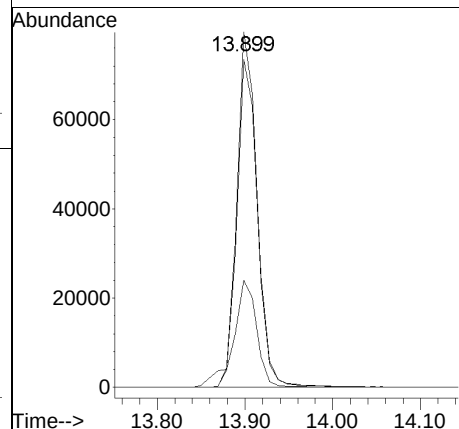
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 155     | 100   |       |       |
| 157     | 127.0 | 105.0 | 157.6 |



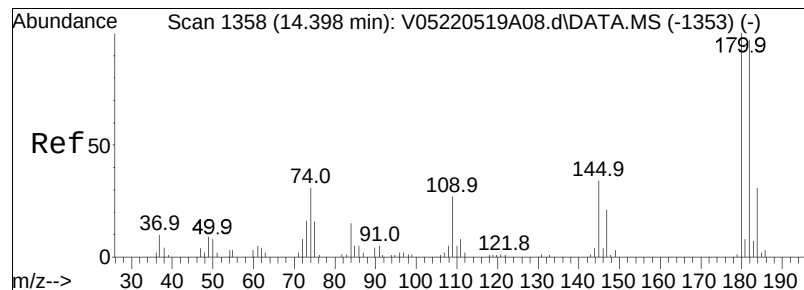


#109  
 1,2,4-Trichlorobenzene  
 Concen: 9.62 ug/L  
 RT: 13.899 min Scan# 1307  
 Delta R.T. 0.000 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.4  | 75.2  | 112.8 |
| 145     | 34.5  | 27.4  | 41.2  |

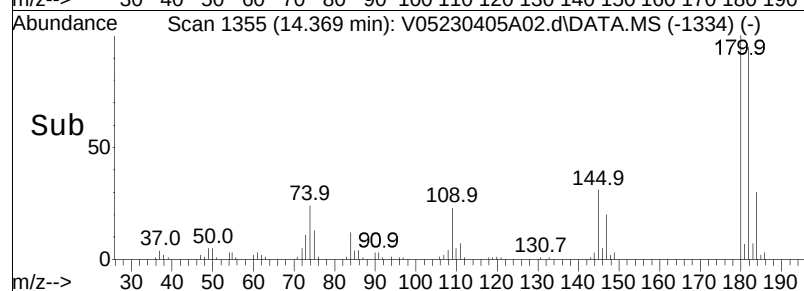
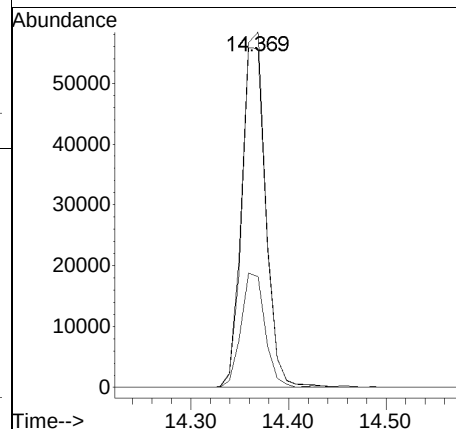
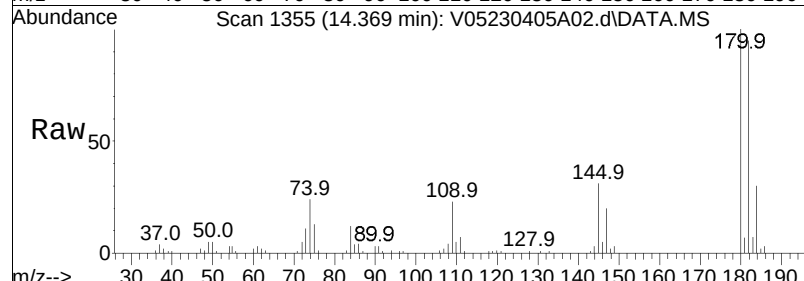






#111  
 1,2,3-Trichlorobenzene  
 Concen: 9.43 ug/L  
 RT: 14.369 min Scan# 1355  
 Delta R.T. 0.010 min  
 Lab File: V05230405A02.d  
 Acq: 5 Apr 2023 7:21 am

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 180 | 100  |       |       |       |
| 182 | 96.0 | 75.5  | 113.3 |       |
| 145 | 32.3 | 26.5  | 39.7  |       |





## Calculation of Volatile Organic Compounds

Aqueous Concentration Formula:  $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula:  $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)



## ALPHA ANALYTICAL LABORATORIES, INC.

## Alpha WORK GROUP REPORT (wk02)

Apr 06 2023, 01:09 pm

Work Group: WG1763545 for Department: 31 GC/MS - Volatiles

Created: 06-APR-23 Due: Operator: MKS

| Sample      | Client ID            | C Product       | Matrix | Stat | UA | HOLD | DUE  | PR | Location |
|-------------|----------------------|-----------------|--------|------|----|------|------|----|----------|
| L2316865-01 | GW-3                 | C NYTCL-8260    | WATER  | SEC  | U  | 0413 | 0407 | S0 | Vial-B   |
| L2316865-02 | GW-4                 | C NYTCL-8260    | WATER  | DONE | U  | 0413 | 0407 | S0 | Vial-B   |
| L2316865-03 | GW-5                 | C NYTCL-8260    | WATER  | DONE | U  | 0413 | 0407 | S0 | Vial-B   |
| L2316865-04 | GW-6                 | C NYTCL-8260    | WATER  | DONE | U  | 0413 | 0407 | S0 | Vial-B   |
| L2316865-05 | GW-7                 | C NYTCL-8260    | WATER  | DONE | U  | 0413 | 0407 | S0 | Vial-B   |
| L2316882-01 | MW-7                 | S NYTCL-8260-R2 | WATER  | DONE | U  | 0414 | 0407 | S0 | Vial-B   |
| L2316882-02 | MW-7B                | S NYTCL-8260-R2 | WATER  | DONE | U  | 0414 | 0407 | S0 | Vial-B   |
| L2316882-03 | MW-8                 | S NYTCL-8260-R2 | WATER  | DONE | U  | 0414 | 0407 | S0 | Vial-B   |
| L2317079-02 | TW-02                | C NYTCL-8260    | WATER  | SEC  | U  | 0414 | 0407 | S0 | Vial-B   |
| L2317091-01 | TW-1                 | S NYTCL-8260-R2 | WATER  | DONE | U  | 0414 | 0407 | S0 | Vial-B   |
| L2317091-02 | TW-2                 | S NYTCL-8260-R2 | WATER  | DONE | U  | 0414 | 0407 | S0 | Vial-B   |
| L2317167-01 | B-5                  | C NYTCL-8260    | WATER  | SEC  | U  | 0416 | 0407 | S0 | Vial-B   |
| L2317187-01 | GWWC-1               | S NYTCL-8260    | WATER  | SEC  | U  | 0416 | 0410 | 3E | Vial-B   |
| L2317196-01 | EFF-04032023         | S NYTCL-8260    | WATER  | SEC  | U  | 0417 | 0410 | S0 | Vial-B   |
| L2317494-04 | TRIP BLANK           | S NYTCL-8260    | WATER  | SEC  | U  | 0418 | 0411 | S0 | Vial-B   |
| WG1763545-1 | MS BFB Tune Standard | S NYTCL-8260    | WATER  | DONE | U  |      |      |    |          |
| WG1763545-1 | MS BFB Tune Standard | S NYTCL-8260-R2 | WATER  | DONE | U  |      |      |    |          |
| WG1763545-2 | Continuing Calibrati | S NYTCL-8260    | WATER  | DONE | U  |      |      |    |          |
| WG1763545-2 | Continuing Calibrati | S NYTCL-8260-R2 | WATER  | DONE | U  |      |      |    |          |
| WG1763545-3 | Laboratory Control S | S NYTCL-8260-R2 | WATER  | DACQ | U  |      |      |    |          |
| WG1763545-3 | Laboratory Control S | S NYTCL-8260    | WATER  | DONE | U  |      |      |    |          |
| WG1763545-4 | LCS Duplicate        | S NYTCL-8260    | WATER  | DONE | U  |      |      |    |          |
| WG1763545-4 | LCS Duplicate        | S NYTCL-8260-R2 | WATER  | DACQ | U  |      |      |    |          |
| WG1763545-5 | Laboratory Method Bl | S NYTCL-8260    | WATER  | DONE | U  |      |      |    |          |
| WG1763545-5 | Laboratory Method Bl | S NYTCL-8260-R2 | WATER  | DACQ | U  |      |      |    |          |
| Comments:   |                      |                 |        |      |    |      |      |    |          |
| WG1763545-4 | WG1763545-3          |                 |        |      |    |      |      |    |          |

Inst: VOA105

BFB: V9518

## Method

GC: 8260



Initials: PID

IS/SS: V9507

Autosampler: 8260water10ml

Date: 02/08/23

ICAL: V9519A,V9513

Concentrator: 8260

Run: **B**

ICV: V9485,V9522,V9472,V9495,V9494,V9523

QC:            Seq:

| Vial | Data File     | Sample          |       |
|------|---------------|-----------------|-------|
| 1    | V05230208BBF1 | BFB TUNE        | 12:34 |
| 1    | V05230208B01  | BLK             |       |
| 2    | V05230208B02  | BLK             |       |
| 3    | V05230208B03  | I8260STD0.19PPB |       |
| 4    | V05230208B04  | I8260STD0.5PPB  |       |
| 5    | V05230208B05  | I8260STD0.5PPB  |       |
| 6    | V05230208B06  | I8260STD2PPB    |       |
| 7    | V05230208B07  | I8260STD2PPB    |       |
| 8    | V05230208B08  | I8260STD10PPB   |       |
| 9    | V05230208B09  | I8260STD30PPB   |       |
| 10   | V05230208B10  | I8260STD80PPB   |       |
| 11   | V05230208B11  | I8260STD120PPB  |       |
| 12   | V05230208B12  | I8260STD200PPB  |       |
| 13   | V05230208B13  | BLK             |       |
| 14   | V05230208B14  | BLK             |       |
| 15   | V05230208B15  | BLK             |       |
| 16   | V05230208B16  | BLK             |       |
| 17   | V05230208B17  | C8260STD10PPB   |       |
| 18   | V05230208B18  | C8260STD10PPB   |       |
| 19   | V05230208B19  | BLK             |       |
| 20   | V05230208B20  | BLK             |       |
| 21   | V05230208B21  | BLK             |       |
| 22   | V05230208B22  | MDL METHOD BLK  |       |
| 23   | V05230208B23  | MDL L11         |       |
| 24   | V05230208B24  | MDL L1          |       |
| 25   | V05230208B25  | MDL L2          |       |
| 26   | V05230208B26  | BLK             |       |

Inst: VOA105      BFB: V9622  
 Initials: MAG      IS/SS: V9617  
 Date: **04/05/23**      ICAL: V9593C,V9626  
 Run: **A**

Method  
 GC: 8260  
 Autosampler: 8260water10ml  
 Concentrator: 8260



QC: \_\_\_\_\_ Seq: \_\_\_\_\_

| Vial | Data File     | Sample                                                    | pH<2 |
|------|---------------|-----------------------------------------------------------|------|
| 1    | V05230405ABF1 | BFB TUNE 06:44                                            |      |
| 1    | V05230405A01  | 8260 CCAL LCS                                             |      |
| 2    | V05230405A02  | 8260 CCAL LCSD                                            |      |
| 3    | V05230405A03  | 8260 CCAL                                                 |      |
| 4    | V05230405A04  | BLK                                                       |      |
| 5    | V05230405A05  | METHOD BLK                                                |      |
| 6    | V05230405A06  | L2316882-01,31,10,10,,A NY/R2                             |      |
| 7    | V05230405A07  | L2316882-02D,31,5.0,10,,A NY/R2                           | pH<2 |
| 8    | V05230405A08  | L2316882-03D,31,4.0,10,,A NY/R2                           | pH<2 |
| 9    | V05230405A09  | L2317079-02,31,10,10,,A NYTCL/10                          | pH<2 |
| 10   | V05230405A10  | L2317091-01,31,10,10,,A NY/R2 HT 4/7                      | pH>2 |
| 11   | V05230405A11  | L2317091-02,31,10,10,,A NY/R2 HT 4/7                      | pH>2 |
| 12   | V05230405A12  | L2317167-01D,31,2.0,10,,A NYTCL/10                        | pH<2 |
| 13   | V05230405A13  | L2316865-01,31,10,10,,A NYTCL/15                          | pH<2 |
| 14   | V05230405A14  | L2316865-02,31,10,10,,A NYTCL/15 HT 4/6                   | pH>2 |
| 15   | V05230405A15  | L2316865-03,31,10,10,,A NYTCL/15 HT 4/6                   | pH>2 |
| 16   | V05230405A16  | L2316865-04,31,10,10,,A NYTCL/15 HT 4/6                   | pH>2 |
| 17   | V05230405A17  | L2316865-05,31,10,10,,A NYTCL/15 HT 4/6                   | pH>2 |
| 18   | V05230405A18  | L2317187-01,31,10,10,,A,R3E NYTCL                         | pH<2 |
| 19   | V05230405A19  | L2317196-01,31,10,10,,A NYTCL                             | pH<2 |
| 20   | V05230405A20  | L2317494-04,31,10,10,,A NYTCL TB                          | pH<2 |
| 21   | V05230405A21  | L2316350-01D,31,0.05,10,,A,R1C 8260/MATRIXZ HS,FOAM.BROWN | pH>2 |
| 22   | V05230405A22  | L2316860-01,31,0.004,10,,A 8260                           | pH>2 |
| 23   | V05230405A23  | L2316860-02D,31,0.025,10,,A 8260                          | pH<2 |
| 24   | V05230405A24  | L2316860-03D,31,0.04,10,,A 8260                           | pH>2 |
| 25   | V05230405A25  | L2316860-04D,31,0.025,10,,A 8260/MATRIXZ                  | pH>2 |
| 26   | V05230405A26  | D-6 STD                                                   |      |

Attachment 2  
Well Logs  
MW-7A/7B & MW-8

Project No:

Borehole Number: MW-7

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

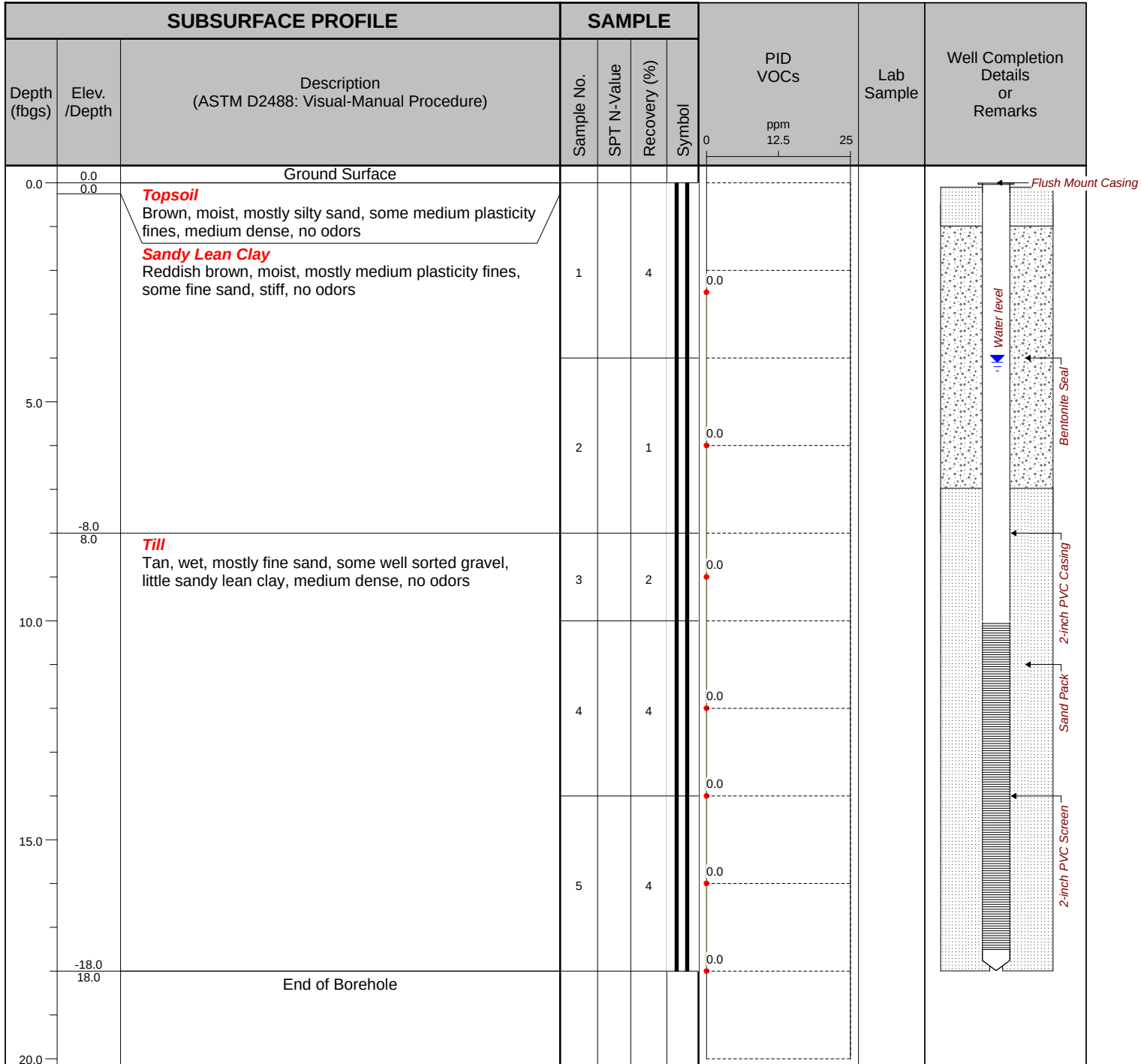
Logged By: NAS

Site Location: Rochester, NY

Checked By:



Benchmark Civil/Environmental Engineering & Geology, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599



Drilled By: Nothnagle Drilling  
Drill Rig Type: CME  
Drill Method: HSA/ Rock Core  
Comments:  
Drill Date(s): March 28, 2023

Hole Size:  
Stick-up: Flush Mount  
Datum:

Sheet: 1 of 1

**Project No:**

**Borehole Number: MW-7BR**

**Project:** 293 Patriot Way

**A.K.A.:**

**Client:** Kaddis Mfg

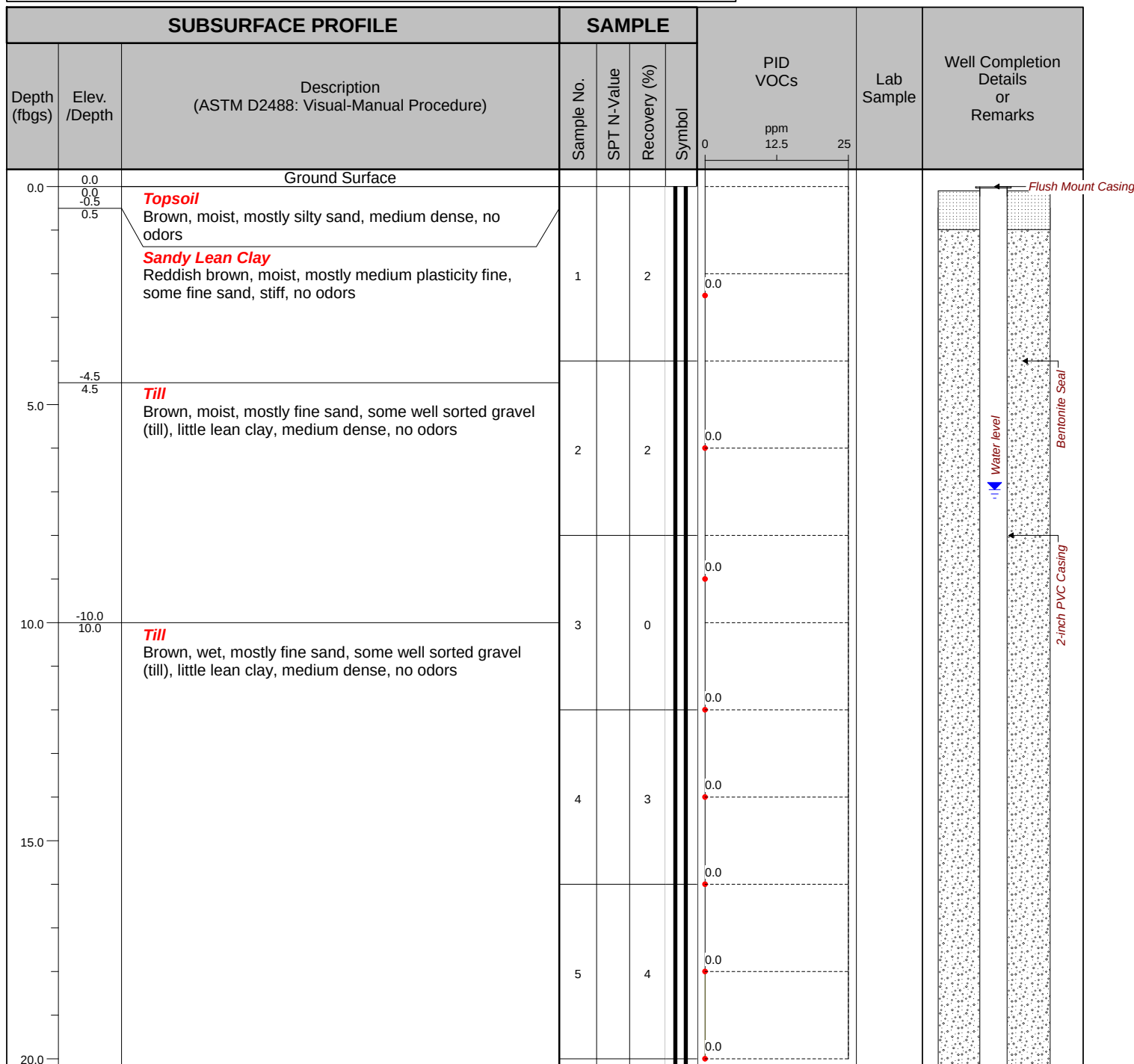
**Logged By:** NAS

**Site Location:** Rochester, NY

**Checked By:**



Benchmark Civil/Environmental Engineering & Geology, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599



**Drilled By:** Nothnagle Drilling  
**Drill Rig Type:** CME  
**Drill Method:** HSA/ Rock Core  
**Comments:**  
**Drill Date(s):** March 29, 2023

**Hole Size:**  
**Stick-up:** Flush Mount  
**Datum:**

**Sheet: 1 of 3**



Project No:

Borehole Number: MW-7BR

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

Logged By: NAS

Site Location: Rochester, NY

Checked By:



Benchmark Civil/Environmental Engineering & Geology, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                                                              | SAMPLE     |             |              |        | PID<br>VOCs            | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |  |
|--------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|------------------------|---------------|---------------------------------------------|--|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                                                         | Sample No. | SPT N-Value | Recovery (%) | Symbol |                        |               |                                             |  |
|                    |                 |                                                                                                                                              |            |             |              |        | 0<br>ppm<br>12.5<br>25 |               |                                             |  |
|                    | -21.0<br>21.0   | <b>Till</b><br>Brown, wet, mostly fine sand, some well sorted gravel (till), little lean clay, medium dense, no odors<br>Top of rock at 43.5 | 6          | 4           |              |        | 0.0                    |               |                                             |  |
| 25.0               |                 |                                                                                                                                              | 7          | 4           |              |        | 0.0                    |               |                                             |  |
| 30.0               |                 |                                                                                                                                              | 8          | 2           |              |        | 0.0                    |               |                                             |  |
| 35.0               |                 |                                                                                                                                              | 9          | 1           |              |        | 0.0                    |               |                                             |  |
|                    |                 |                                                                                                                                              | 10         | 2           |              |        | 0.0                    |               |                                             |  |
| 40.0               |                 |                                                                                                                                              |            |             |              |        |                        |               |                                             |  |

Drilled By: Nothnagle Drilling  
Drill Rig Type: CME  
Drill Method: HSA/ Rock Core  
Comments:  
Drill Date(s): March 29, 2023

Hole Size:  
Stick-up: Flush Mount  
Datum:

Sheet: 2 of 3

**Project No:**

**Borehole Number: MW-7BR**

**Project:** 293 Patriot Way

**A.K.A.:**

**Client:** Kaddis Mfg

**Logged By:** NAS

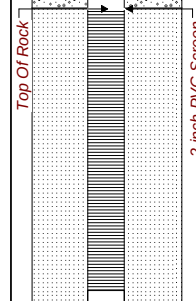
**Site Location:** Rochester, NY

**Checked By:**



Benchmark Civil/Environmental Engineering & Geology, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599

| SUBSURFACE PROFILE |                 |                                                                                                      | SAMPLE     |             |              |        | PID<br>VOCs<br><br>ppm<br>0 12.5 25 | Lab<br>Sample | Well Completion<br>Details<br>or<br>Remarks |
|--------------------|-----------------|------------------------------------------------------------------------------------------------------|------------|-------------|--------------|--------|-------------------------------------|---------------|---------------------------------------------|
| Depth<br>(fbgs)    | Elev.<br>/Depth | Description<br>(ASTM D2488: Visual-Manual Procedure)                                                 | Sample No. | SPT N-Value | Recovery (%) | Symbol |                                     |               |                                             |
|                    |                 |                                                                                                      | 11         |             | 4            |        |                                     |               |                                             |
|                    | -43.5<br>43.5   | <b>Bedrock</b><br>Dolomite, fractured and weathered from 43.5'-45.5',<br>thinly laminated, dark grey |            |             |              |        |                                     |               |                                             |
| 45.0               |                 |                                                                                                      | 12         |             | 4            |        |                                     |               |                                             |
|                    | -48.5<br>48.5   | End of Borehole                                                                                      | 13         |             | 2            |        |                                     |               |                                             |
| 50.0               |                 |                                                                                                      |            |             |              |        |                                     |               |                                             |
|                    |                 |                                                                                                      |            |             |              |        |                                     |               |                                             |
| 55.0               |                 |                                                                                                      |            |             |              |        |                                     |               |                                             |
|                    |                 |                                                                                                      |            |             |              |        |                                     |               |                                             |
| 60.0               |                 |                                                                                                      |            |             |              |        |                                     |               |                                             |



**Drilled By:** Nothnagle Drilling

**Drill Rig Type:** CME

**Drill Method:** HSA/ Rock Core

**Comments:**

**Drill Date(s):** March 29, 2023

**Hole Size:**

**Stick-up:** Flush Mount

**Datum:**

**Sheet:** 3 of 3

Project No:

Borehole Number: MW-8

Project: 293 Patriot Way

A.K.A.:

Client: Kaddis Mfg

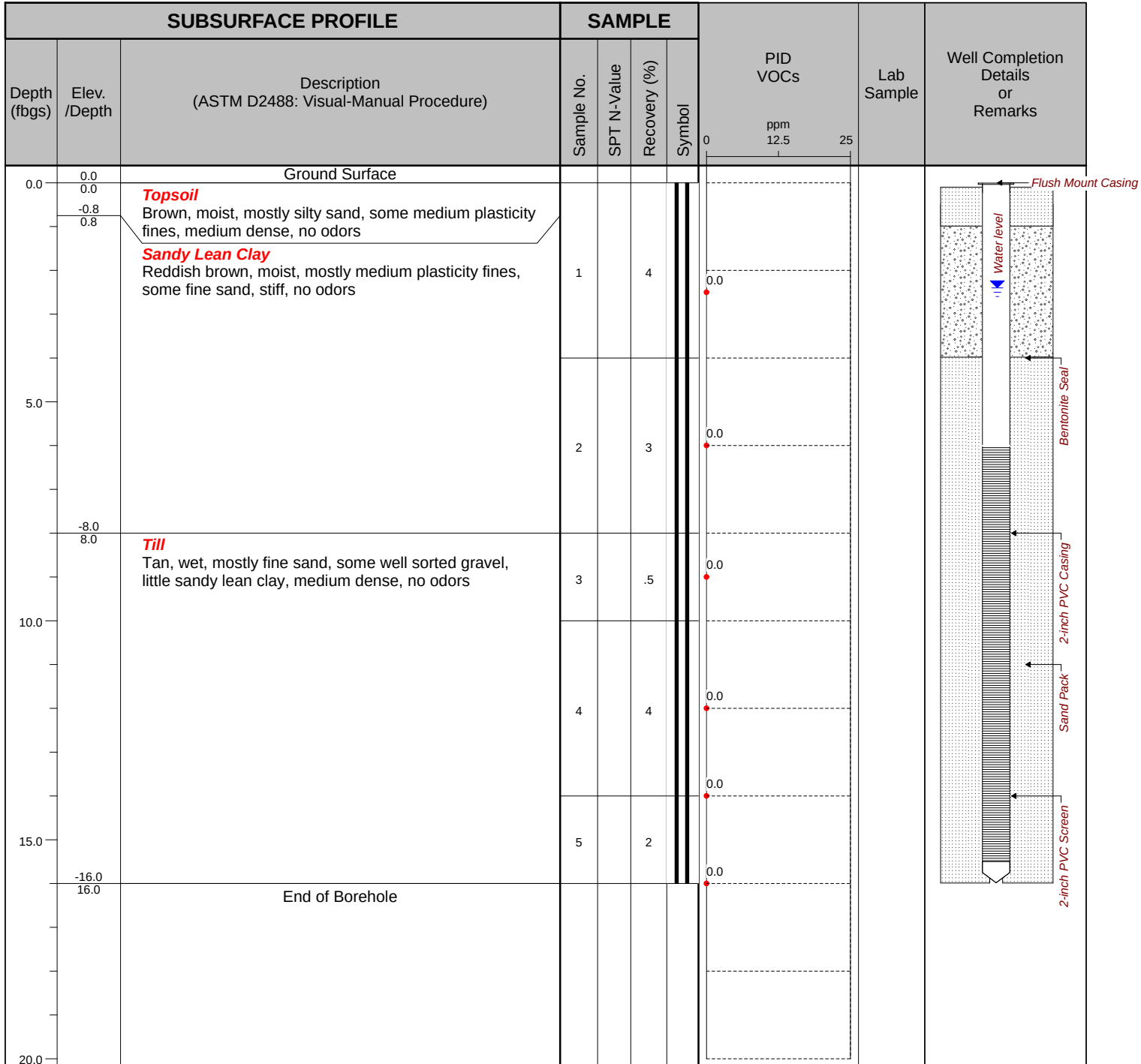
Logged By: NAS

Site Location: Rochester, NY

Checked By:



Benchmark Civil/Environmental Engineering & Geology, PLLC  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218  
(716) 856-0599



Drilled By: Nothnagle Drilling  
Drill Rig Type: CME  
Drill Method: HSA/ Rock Core  
Comments:  
Drill Date(s): March 28, 2023

Hole Size:  
Stick-up: Flush Mount  
Datum:

Sheet: 1 of 1

Attachment 3  
SVI Investigation  
Laboratory Analytical Data



## Centek/SanAir Technologies Laboratory

143 Midler Park Drive \* Syracuse, NY 13206

Phone (315) 431-9730 \* Emergency 24/7 (315) 416-2752

NYSDOH ELAP

Certificate No. 11830

### **Analytical Report**

Tom Forbes  
Benchmark Environmental Engineering & Science  
2558 Hamburg Turnpike, Suite 300  
Buffalo, NY 14218

Tuesday, April 04, 2023  
Order No.: C2303060

TEL: 716-856-0599

FAX: 716-856-0583

RE: 293 Patriot Way

Dear Tom Forbes:

Centek/SanAir Technologies Laboratory received 13 sample(s) on 3/28/2023 for the analyses presented in the following report.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness. Release of the data contained in this hardcopy data package and/or in the computer readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Centek/SanAir Laboratories performs all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services. Please contact your client service representative at (315) 431-9730 or myself, if you would like any additional information regarding this report.

Thank you for using Centek/SanAir Laboratories. This report can not be reproduced except in its entirety, without prior written authorization.

Sincerely,

William Dobbin  
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek/SanAir as contained in this report are believed by Centek to be accurate and

reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of Centek/SanAir for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages. ELAP does not offer certification for the following parameters by this method at present time, they are: 4-ethyltoluene, ethyl acetate, propylene, Tetrahydrofuran, 4-PCH, sulfur derived and silicon series compounds.

## Centek/SanAir Laboratories - Terms and Conditions

### Chain of Custody

Chain of Custody must be completed in full. Lack of any missing information will affect your Turn Around Times (TAT)

Internal Chain of Custody provided when you notify Centek/SanAir Laboratories

---

### Sample Submission

All samples sent to Centek/SanAir Laboratories should be accompanied by our Request for Analysis Form or Chain of Custody Form. A Chain of Custody will be provided with each order shipped for all sampling events, or if needed, one is available at our website [www.Centek/SanAirLabs.us](http://www.Centek/SanAirLabs.us). Samples received after 3:00pm are considered to be a part of the next day's business.

### Sample Media

Samples can be collected in a canister or a Tedlar bag. Depending on your analytical needs, Centek/SanAir Laboratories may receive a bulk, liquid, soil or other matrix sample for headspace analysis.

### Blanks

Every sample is run with a surrogate or tracer compound at a pre-established concentration. The surrogate compound run with each sample is used as a standard to measure the performance of each run of the instrument. If required, a Minican can be provided containing nitrogen to be run as a trip blank with your samples.

### Sampling Equipment

Centek/SanAir Laboratories will be happy to provide the canisters to carry-out your sampling event at no charge. The necessary accessories, such as regulators, tubing or personal sampling belts, are also provided to meet your sampling needs. The customer is responsible for all shipping charges to the client's destination and return shipping to the laboratory. Client assumes all responsibility for lost, stolen and any damages of equipment.

**\*\*Any sampling equipment that exceeds holding times, cancellation of job or non-notice of rescheduling is subject to restocking fees\*\***

### Turn Around time (TAT)

Centek/SanAir Laboratories will provide results to its clients in one business-week by 6:00pm EST after receipt of samples. For example, if samples are received on a Monday they are due on the following Monday by 6:00pm EST. Results are faxed or emailed to the requested location indicated on the Chain of Custody. Non-routine analysis may require more than the one business-week turnaround time. Please confirm non-routine sample turnaround times.

### Reporting

Results are emailed or faxed at no additional charge. A hard copy of the result report is mailed within 24 hours of the faxing or emailing of your results. Cat "B" like packages are within 3-4 weeks from time of analysis (add 10%/sample for Cat B). Standard Electronic Disk Deliverables (EDD) is also available at no additional charge.

#### Payment Terms

Payment for all purchases shall be due within 30 days from date of invoice. The client agrees to pay a finance charge of 1.5% per month on the overdue balance and cost of collection, including attorney fees, if collection proceedings are necessary. You must have a completed credit application on file to extend credit. Purchase orders or checks information must be submitted for us to release results

#### Rush Turnaround Samples

Expedited turn around times is available. Please confirm rush turnaround times with Client Services before submitting samples.

#### Applicable Surcharges for Rush Turnaround Samples:

Same day TAT = 200%

Next business day TAT by Noon = 150%

Next business day TAT by 6:00pm = 100%

Second business day TAT by 6:00pm = 75%

Third business day TAT by 6:00pm = 50%

Fourth business day TAT by 6:00pm = 35%

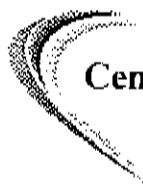
Fifth business day = Standard

#### Statement of Confidentiality

Centek/SanAir Laboratories is aware of the importance of the confidentiality of results to many of our clients. Your name and data will be held in the strictest of confidence. We will not accept business that may constitute a conflict of interest. We commonly sign Confidential Nondisclosure Agreements with clients prior to beginning work. All research, results and reports will be kept strictly confidential. Secrecy Agreements and Disclosure Statements will be signed for the client if so specified. Results will be provided only to the addressee specified on the Chain of Custody Form submitted with the samples unless law requires release. Written permission is required from the addressee to release results to any other party.

#### Limitation on Liability

Centek/SanAir Laboratories warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek/SanAir Laboratories. In no event shall Centek/SanAir Laboratories be liable for direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages whatsoever, even if Centek/SanAir Laboratories has been previously advised of the possibility of such damages whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, inability to use or performance of the information, services, products and materials available from the laboratory or this site. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or consequential damages, loss of data, income or profit and or loss of or damage to property and claims of third parties.



## Centek/SanAir Technologies Laboratory

Date: 10-Apr-23

**CLIENT:** Benchmark Environmental Engineering &  
**Project:** 293 Patriot Way  
**Lab Order:** C2303060

## CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Centek Laboratories, LLC SOP TS-80

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the corrective action report(s). All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

### NYSDEC ASP samples:

Canisters should be evacuated to a reading of less than or equal to 50 millitorr prior to shipment to sampling personnel. The vacuum in the canister will be field checked prior to sampling, and must read 28" of Hg ( $\pm 2$ ", vacuum, absolute) before a sample can be collected. After the sample has been collected, the pressure of the canister will be read and recorded again, and must be 5" of Hg ( $\pm 1$ ", vacuum, absolute) for the sample to be valid. Once received at the laboratory, the canister vacuum should be confirmed to be 5" of Hg,  $\pm 1$ ". Please record and report the pressure/vacuum of received canisters on the sample receipt paperwork. A pressure/vacuum reading should also be taken just prior to the withdrawal of sample from the canister, and recorded on the sample preparation log sheet. All regulators are calibrated to meet these requirements before they leave the laboratory. However, due to environmental conditions and use of the equipment Centek can not guarantee that this criteria can always be achieved.



| Centek/SanAir Technologies Laboratory - Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  | Site Name: 293 Patton Hwy                                                                                         |  | Detection Limit                                                                                                           |  | Report Level                                                                                                                                |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------|--|
| Centek Laboratories<br>143 Midler Park Drive<br>Syracuse, NY 13206<br>315-431-9730<br><a href="http://www.CentekLabs.us">www.CentekLabs.us</a>                                                                                                                                                                                                                                                                                               |  |  |  | Project: Vapor Intrusion & IAQ                                                                                    |  | <input type="checkbox"/> 5ppbv<br><input checked="" type="checkbox"/> 1ug/M3<br><input type="checkbox"/> 1ug/M3 + 0.2 NYS |  | <input checked="" type="checkbox"/> Level I<br><input type="checkbox"/> Level II<br><input type="checkbox"/> Cat "B" Like                   |  |
| Company: <b>SanAir</b><br>Report to: <b>Benjamin ENU, Engineering &amp; Science</b><br>Address: <b>2514 Montgomery Ave</b><br>City, State, Zip: <b>Albany, NY 12215</b><br>Email: <b>1763431034@icloud.com</b><br>Phone: <b>716-713-3737</b>                                                                                                                                                                                                 |  |  |  | Company: <b>SanAir</b><br>Invoice to:<br>Address:<br>City, State, Zip:<br>Email:<br>Phone:                        |  | Check Here if Same:                                                                                                       |  |                                                                                                                                             |  |
| TAT Turnaround Time:<br>5 Business Days <input checked="" type="checkbox"/> Rush TAT Due Date:<br>4 Business Days <input type="checkbox"/> 0%<br>3 Business Days <input type="checkbox"/> 25%<br>2 Business Days <input type="checkbox"/> 50%<br>*Next Day by 5pm <input type="checkbox"/> 75%<br>*Next Day by Noon <input type="checkbox"/> 100%<br>*Same Day <input type="checkbox"/> 150%<br>*For Same and Next Day TAT Please Notify Lab |  |  |  | Canister Number<br>Regulator Number<br>Analysis Request<br>Field Vacuum Start / Stop<br>Labs Vacuum Recv/Analysis |  | Comments                                                                                                                  |  |                                                                                                                                             |  |
| Sample ID<br>Date Sampled<br>Date                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                                                                                                                   |  |                                                                                                                           |  |                                                                                                                                             |  |
| SS-1 OFFICE<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  | 87<br>1164<br>70-15                                                                                               |  | -26 1-7                                                                                                                   |  |                                                                                                                                             |  |
| SS-2 1044 Rain<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  | 457<br>1170                                                                                                       |  | -26 1-7                                                                                                                   |  |                                                                                                                                             |  |
| SS-3 LOUKE-1017<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  | 351<br>263                                                                                                        |  | -31 1-12                                                                                                                  |  |                                                                                                                                             |  |
| SS-4 1011 Rain<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  | 245<br>273                                                                                                        |  | -26.5 1-10                                                                                                                |  |                                                                                                                                             |  |
| SS-5 SHOPPING<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  | 275<br>271                                                                                                        |  | -30 1-7                                                                                                                   |  |                                                                                                                                             |  |
| SS-6 RAINY COLLECTION<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 229<br>259                                                                                                        |  | -30 1-12                                                                                                                  |  |                                                                                                                                             |  |
| IA-1 OFFICE<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  | 200<br>1109                                                                                                       |  | -30 1-10                                                                                                                  |  |                                                                                                                                             |  |
| IA-2 LUNCH ROOM<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  | 39<br>1109                                                                                                        |  | -33 1-12                                                                                                                  |  |                                                                                                                                             |  |
| IA-3 LUNCH ROOM<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  | 194<br>1166                                                                                                       |  | -32 1-10                                                                                                                  |  |                                                                                                                                             |  |
| IA-4 1011 1027<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  | 222<br>1163                                                                                                       |  | -31 1-10                                                                                                                  |  |                                                                                                                                             |  |
| IA-5 SHOPPING<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  | 266<br>262                                                                                                        |  | -30 1-10                                                                                                                  |  |                                                                                                                                             |  |
| IA-6<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  | 357<br>295                                                                                                        |  | -33 1-12                                                                                                                  |  |                                                                                                                                             |  |
| OA-1<br>3/24/23                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  | 1105<br>266                                                                                                       |  | -30 1-7                                                                                                                   |  |                                                                                                                                             |  |
| Chain of Custody<br>Sampled by: <b>Mike Soria</b><br>Relinquished by: <b>Mike Soria</b><br>Received at Lab by: <b>Robin Gushlaw</b>                                                                                                                                                                                                                                                                                                          |  |  |  | Signature<br><b>Mike Soria</b><br><b>Robin Gushlaw</b>                                                            |  | Date/Time<br><b>3/27/23 15:09</b><br><b>3/27/23 15:09</b>                                                                 |  | Courier: <b>CIRCLE ONE</b><br><b>FedEx</b> <b>UPS</b> <b>Pickup/Dropoff</b><br><b>**FOR LAB USE ONLY**</b><br>Work Order # <b>CA2303060</b> |  |

\*\*\*Chain of Custody must be completed in full. Lack of any missing information will affect your Turn Around Times (TAT)\*\*\*  
 \*\*\*By signing Centek/SanAir Labs Chain of Custody, you are accepting the Terms and Conditions listed on the reverse side.\*\*\*



# Centek/SanAir Technologies Laboratory

## Sample Receipt Checklist

Client Name **BENCHMARK - BUFFALO**

Date and Time Receive

**3/28/2023**

Work Order Number **C2303060**

Received by: **RG**

Checklist completed by

*Robert Juskla* **3/28/23**  
Signature Date

Reviewed by

*WD* **3/30/2023**  
Initials Date

Matrix:

Carrier name: **UPS - Ground**

|                                                    |                                                            |                                        |                                                 |
|----------------------------------------------------|------------------------------------------------------------|----------------------------------------|-------------------------------------------------|
| Shipping container/cooler in good condition?       | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?            | Yes <input type="checkbox"/>                               | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                          | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |
| COC signed when relinquished and received?         | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |
| COC agrees with sample labels?                     | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |
| COC completely filled out?                         | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |
| Sample containers intact?                          | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |
| Sufficient sample volume for indicated test?       | Yes <input type="checkbox"/>                               | No <input checked="" type="checkbox"/> |                                                 |
| All samples received within holding time?          | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |
| Container/Temp Blank temperature in compliance?    | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |
| Water - VOA vials have zero headspace?             | No VOA vials submitted <input checked="" type="checkbox"/> | Yes <input type="checkbox"/>           | No <input type="checkbox"/>                     |
| Water - pH acceptable upon receipt?                | Yes <input checked="" type="checkbox"/>                    | No <input type="checkbox"/>            |                                                 |

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted **YES** Date contacted: **3/28/23** Person contacted **Brian**  
Contacted by: **Robert** Regarding: **Sample #11 Did NOT have enough**  
Comments: **sample to run test**

Corrective Action **Called Brian and left messages @**

QC'd By: **WD**

DATE: **4/10/2023**



## Centek/SanAir Technologies Laboratory

Date: 10-Apr-23

**CLIENT:** Benchmark Environmental Engineering &  
**Project:** 293 Patriot Way  
**Lab Order:** C2303060

### Work Order Sample Summary

| Lab Sample ID | Client Sample ID      | Tag Number | Collection Date | Date Received |
|---------------|-----------------------|------------|-----------------|---------------|
| C2303060-001A | SS-1 Office           | 87,1164    | 3/24/2023       | 3/28/2023     |
| C2303060-002A | SS-2 Lunch Room       | 457,1170   | 3/24/2023       | 3/28/2023     |
| C2303060-003A | SS-3 Locker Room      | 351,263    | 3/24/2023       | 3/28/2023     |
| C2303060-004A | SS-4 Tool Room        | 245,278    | 3/24/2023       | 3/28/2023     |
| C2303060-005A | SS-5 Shipping         | 275,271    | 3/24/2023       | 3/28/2023     |
| C2303060-006A | SS-6 Faculty Addition | 229,259    | 3/24/2023       | 3/28/2023     |
| C2303060-007A | 1A-1 Office           | 200,1108   | 3/24/2023       | 3/28/2023     |

**CLIENT:** Benchmark Environmental Engineering &  
**Project:** 293 Patriot Way  
**Lab Order:** C2303060

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Tag Number | Collection Date | Date Received |
|---------------|------------------|------------|-----------------|---------------|
| C2303060-008A | IA-2 Lunch Room  | 89.1109    | 3/24/2023       | 3/28/2023     |
| C2303060-009A | IA-3 Locker Room | 189.1166   | 3/24/2023       | 3/28/2023     |
| C2303060-010A | IA-4 Tool Room   | 222.1163   | 3/24/2023       | 3/28/2023     |
| C2303060-011A | IA-5 Shipping    | 86.262     | 3/24/2023       | 3/28/2023     |
| C2303060-012A | IA-6             | 357.295    | 3/24/2023       | 3/28/2023     |
| C2303060-013A | OA-1             | 1185.266   | 3/24/2023       | 3/28/2023     |

# DATES REPORT

Lab Order: C2303060  
 Client: Benchmark Environmental Engineering & Science  
 Project: 293 Patriot Way

| Sample ID    | Client Sample ID      | Collection Date | Matrix | Test Name                                   | TCLP Date | Prep Date | Analysis Date |
|--------------|-----------------------|-----------------|--------|---------------------------------------------|-----------|-----------|---------------|
| 2303060-001A | SS-1 Office           | 3/24/2023       | Air    | lug/M3 by Method TO15                       |           |           | 3/30/2023     |
| 2303060-002A | SS-2 Lunch Room       |                 |        | lug/M3 by Method TO15                       |           |           | 3/30/2023     |
| 2303060-003A | SS-3 Locker Room      |                 |        | lug/M3 by Method TO15                       |           |           | 3/30/2023     |
| 2303060-004A | SS-4 Tool Room        |                 |        | lug/M3 by Method TO15                       |           |           | 3/30/2023     |
| 2303060-005A | SS-5 Shipping         |                 |        | lug/M3 by Method TO15                       |           |           | 3/30/2023     |
| 2303060-006A | SS-6 Faculty Addition |                 |        | lug/M3 by Method TO15                       |           |           | 3/30/2023     |
| 2303060-007A | IA-1 Office           |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |
| 2303060-008A | IA-2 Lunch Room       |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |
| 2303060-009A | IA-3 Locker Room      |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |
| 2303060-010A | IA-4 Tool Room        |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |

# DATAS REPORT

Lab Order: C2303060  
 Client: Benchmark Environmental Engineering & Science  
 Project: 293 Patriot Way

| Sample ID    | Client Sample ID | Collection Date | Matrix | Test Name                                   | TCLP Date | Prep Date | Analysis Date |
|--------------|------------------|-----------------|--------|---------------------------------------------|-----------|-----------|---------------|
| 2303060-010A | 1A-4 Tool Room   | 3/24/2023       | Air    | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/31/2023     |
|              |                  |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |
| 2303060-011A | 1A-5 Shipping    |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 4/1/2023      |
|              |                  |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 4/1/2023      |
|              |                  |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |
| 2303060-012A | 1A-6             |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |
|              |                  |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 4/1/2023      |
|              |                  |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 4/1/2023      |
| 2303060-013A | 0A-1             |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 4/1/2023      |
|              |                  |                 |        | lug/m3 w/ 0.2ug/M3 CT-TCE-VC-DCE-<br>1,1DCE |           |           | 3/30/2023     |

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-001A

**Client Sample ID:** SS-1 Office  
**Tag Number:** 87,1164  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| 1,1,1-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,1,2-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,1-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,1-Dichloroethene           | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,2,4-Trichlorobenzene       | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,2,4-Trimethylbenzene       | 0.79   | 0.74         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dibromoethane            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dichloropropane          | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,3,5-Trimethylbenzene       | 0.64   | 0.74         | J    | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,3-butadiene                | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,3-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,4-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 1,4-Dioxane                  | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 2,2,4-trimethylpentane       | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| 4-ethyltoluene               | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Acetone                      | 77     | 28           |      | ug/m3               | 40 | 3/30/2023 11:11:00 PM |
| Allyl chloride               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Benzene                      | 1.3    | 0.48         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Benzyl chloride              | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Bromodichloromethane         | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Bromoform                    | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Bromomethane                 | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Carbon disulfide             | 2.8    | 0.47         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Carbon tetrachloride         | < 0.94 | 0.94         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Chlorobenzene                | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Chloroethane                 | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Chloroform                   | 0.49   | 0.73         | J    | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Chloromethane                | < 0.31 | 0.31         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| cis-1,2-Dichloroethene       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| cis-1,3-Dichloropropene      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Cyclohexane                  | 3.9    | 0.52         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Dibromochloromethane         | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Ethyl acetate                | 0.61   | 0.54         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Ethylbenzene                 | 0.52   | 0.65         | J    | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Freon 11                     | 4.0    | 0.84         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Freon 113                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Freon 114                    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-001A

**Client Sample ID:** SS-1 Office  
**Tag Number:** 87,1164  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Freon 12                     | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Heptane                      | 2.1    | 0.61         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Hexachloro-1,3-butadiene     | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Hexane                       | 28     | 5.3          |      | ug/m3               | 10 | 3/30/2023 10:29:00 PM |
| Isopropyl alcohol            | 16     | 3.7          |      | ug/m3               | 10 | 3/30/2023 10:29:00 PM |
| m&p-Xylene                   | 1.6    | 1.3          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Methyl Butyl Ketone          | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Methyl Ethyl Ketone          | 4.6    | 0.88         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Methyl Isobutyl Ketone       | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Methyl tert-butyl ether      | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Methylene chloride           | 5.9    | 0.52         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| o-Xylene                     | 0.74   | 0.65         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Propylene                    | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Styrene                      | 1.0    | 0.64         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Tetrachloroethylene          | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Tetrahydrofuran              | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Toluene                      | 4.1    | 0.57         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| trans-1,2-Dichloroethene     | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| trans-1,3-Dichloropropene    | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Trichloroethene              | < 0.81 | 0.81         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Vinyl acetate                | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Vinyl Bromide                | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |
| Vinyl chloride               | < 0.38 | 0.38         |      | ug/m3               | 1  | 3/30/2023 12:13:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted



# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

|                   |                                         |                          |                 |
|-------------------|-----------------------------------------|--------------------------|-----------------|
| <b>CLIENT:</b>    | Benchmark Environmental Engineering & S | <b>Client Sample ID:</b> | SS-2 Lunch Room |
| <b>Lab Order:</b> | C2303060                                | <b>Tag Number:</b>       | 457,1170        |
| <b>Project:</b>   | 293 Patriot Way                         | <b>Collection Date:</b>  | 3/24/2023       |
| <b>Lab ID:</b>    | C2303060-002A                           | <b>Matrix:</b>           | AIR             |

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| 1,1,1-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,1,2-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,1-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,1-Dichloroethene           | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,2,4-Trichlorobenzene       | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,2,4-Trimethylbenzene       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dibromoethane            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dichloropropane          | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,3,5-Trimethylbenzene       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,3-butadiene                | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,3-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,4-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 1,4-Dioxane                  | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 2,2,4-trimethylpentane       | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| 4-ethyltoluene               | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Acetone                      | 12     | 7.1          |      | ug/m3               | 10 | 3/30/2023 11:54:00 PM |
| Allyl chloride               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Benzene                      | 0.70   | 0.48         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Benzyl chloride              | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Bromodichloromethane         | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Bromoform                    | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Bromomethane                 | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Carbon disulfide             | 1.4    | 0.47         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Carbon tetrachloride         | < 0.94 | 0.94         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Chlorobenzene                | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Chloroethane                 | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Chloroform                   | < 0.73 | 0.73         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Chloromethane                | 0.89   | 0.31         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| cis-1,2-Dichloroethene       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| cis-1,3-Dichloropropene      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Cyclohexane                  | 0.62   | 0.52         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Dibromochloromethane         | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Ethyl acetate                | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Ethylbenzene                 | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Freon 11                     | 1.3    | 0.84         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Freon 113                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Freon 114                    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 3 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

|                   |                                         |                          |                 |
|-------------------|-----------------------------------------|--------------------------|-----------------|
| <b>CLIENT:</b>    | Benchmark Environmental Engineering & S | <b>Client Sample ID:</b> | SS-2 Lunch Room |
| <b>Lab Order:</b> | C2303060                                | <b>Tag Number:</b>       | 457,1170        |
| <b>Project:</b>   | 293 Patriot Way                         | <b>Collection Date:</b>  | 3/24/2023       |
| <b>Lab ID:</b>    | C2303060-002A                           | <b>Matrix:</b>           | AIR             |

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Freon 12                     | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Heptane                      | 1.8    | 0.61         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Hexachloro-1,3-butadiene     | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Hexane                       | 0.70   | 0.53         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Isopropyl alcohol            | 4.0    | 0.37         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| m&p-Xylene                   | 0.91   | 1.3          | J    | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Methyl Butyl Ketone          | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Methyl Ethyl Ketone          | 0.97   | 0.88         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Methyl Isobutyl Ketone       | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Methyl tert-butyl ether      | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Methylene chloride           | 2.7    | 0.52         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| o-Xylene                     | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Propylene                    | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Styrene                      | 0.47   | 0.64         | J    | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Tetrachloroethylene          | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Tetrahydrofuran              | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Toluene                      | 2.3    | 0.57         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| trans-1,2-Dichloroethene     | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| trans-1,3-Dichloropropene    | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Trichloroethene              | < 0.81 | 0.81         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Vinyl acetate                | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Vinyl Bromide                | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |
| Vinyl chloride               | < 0.38 | 0.38         |      | ug/m3               | 1  | 3/30/2023 12:58:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 4 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-003A

**Client Sample ID:** SS-3 Locker Room  
**Tag Number:** 351,263  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,1,2-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,1-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,1-Dichloroethene           | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,2,4-Trichlorobenzene       | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,2,4-Trimethylbenzene       | 0.74   | 0.74         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dibromoethane            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dichloropropane          | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,3,5-Trimethylbenzene       | 0.64   | 0.74         | J    | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,3-butadiene                | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,3-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,4-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 1,4-Dioxane                  | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 2,2,4-trimethylpentane       | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| 4-ethyltoluene               | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Acetone                      | 170    | 64           |      | ug/m3               | 90 | 3/31/2023 3:12:00 PM |
| Allyl chloride               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Benzene                      | 1.2    | 0.48         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Benzyl chloride              | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Bromodichloromethane         | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Bromoform                    | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Bromomethane                 | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Carbon disulfide             | 1.5    | 0.47         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Carbon tetrachloride         | < 0.94 | 0.94         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Chlorobenzene                | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Chloroethane                 | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Chloroform                   | < 0.73 | 0.73         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Chloromethane                | < 0.31 | 0.31         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| cis-1,2-Dichloroethene       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| cis-1,3-Dichloropropene      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Cyclohexane                  | 1.2    | 0.52         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Dibromochloromethane         | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Ethyl acetate                | 0.54   | 0.54         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Ethylbenzene                 | 0.52   | 0.65         | J    | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Freon 11                     | 3.0    | 0.84         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Freon 113                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Freon 114                    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-003A

**Client Sample ID:** SS-3 Locker Room  
**Tag Number:** 351,263  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                     | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Heptane                      | 4.1    | 0.61         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Hexachloro-1,3-butadiene     | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Hexane                       | 3.0    | 0.53         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Isopropyl alcohol            | 18     | 3.4          |      | ug/m3               | 9  | 4/4/2023 2:00:00 PM  |
| m&p-Xylene                   | 1.6    | 1.3          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Methyl Butyl Ketone          | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Methyl Ethyl Ketone          | 1.9    | 0.88         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Methyl Isobutyl Ketone       | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Methyl tert-butyl ether      | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Methylene chloride           | 4.1    | 0.52         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| o-Xylene                     | 0.82   | 0.65         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Propylene                    | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Styrene                      | 0.94   | 0.64         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Tetrachloroethylene          | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Tetrahydrofuran              | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Toluene                      | 3.3    | 0.57         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| trans-1,2-Dichloroethene     | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| trans-1,3-Dichloropropene    | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Trichloroethene              | < 0.81 | 0.81         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Vinyl acetate                | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Vinyl Bromide                | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |
| Vinyl chloride               | < 0.38 | 0.38         |      | ug/m3               | 1  | 3/30/2023 1:43:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 6 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-004A

**Client Sample ID:** SS-4 Tool Room  
**Tag Number:** 245,278  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,1,2-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,1-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,1-Dichloroethene           | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,2,4-Trichlorobenzene       | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,2,4-Trimethylbenzene       | 0.93   | 0.74         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dibromoethane            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dichloropropane          | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,3,5-Trimethylbenzene       | 0.84   | 0.74         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,3-butadiene                | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,3-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,4-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 1,4-Dioxane                  | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 2,2,4-trimethylpentane       | 0.70   | 0.70         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| 4-ethyltoluene               | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Acetone                      | 190    | 64           |      | ug/m3               | 90 | 3/31/2023 5:21:00 PM |
| Allyl chloride               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Benzene                      | 3.2    | 0.48         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Benzyl chloride              | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Bromodichloromethane         | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Bromoform                    | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Bromomethane                 | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Carbon disulfide             | 1.9    | 0.47         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Carbon tetrachloride         | < 0.94 | 0.94         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Chlorobenzene                | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Chloroethane                 | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Chloroform                   | < 0.73 | 0.73         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Chloromethane                | < 0.31 | 0.31         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| cis-1,2-Dichloroethene       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| cis-1,3-Dichloropropene      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Cyclohexane                  | 6.1    | 0.52         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Dibromochloromethane         | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Ethyl acetate                | 0.72   | 0.54         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Ethylbenzene                 | 0.65   | 0.65         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Freon 11                     | 29     | 7.9          |      | ug/m3               | 9  | 3/31/2023 4:39:00 PM |
| Freon 113                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Freon 114                    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 7 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-004A

**Client Sample ID:** SS-4 Tool Room  
**Tag Number:** 245,278  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                     | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Heptane                      | 9.2    | 5.7          |      | ug/m3               | 9  | 3/31/2023 4:39:00 PM |
| Hexachloro-1,3-butadiene     | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Hexane                       | 17     | 4.9          |      | ug/m3               | 9  | 3/31/2023 4:39:00 PM |
| Isopropyl alcohol            | 19     | 3.4          |      | ug/m3               | 9  | 3/31/2023 4:39:00 PM |
| m&p-Xylene                   | 2.0    | 1.3          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Methyl Butyl Ketone          | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Methyl Ethyl Ketone          | 4.4    | 0.88         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Methyl Isobutyl Ketone       | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Methyl tert-butyl ether      | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Methylene chloride           | 4.6    | 0.52         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| o-Xylene                     | 1.0    | 0.65         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Propylene                    | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Styrene                      | 1.2    | 0.64         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Tetrachloroethylene          | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Tetrahydrofuran              | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Toluene                      | 6.0    | 0.57         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| trans-1,2-Dichloroethene     | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| trans-1,3-Dichloropropene    | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Trichloroethene              | < 0.81 | 0.81         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Vinyl acetate                | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Vinyl Bromide                | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |
| Vinyl chloride               | < 0.38 | 0.38         |      | ug/m3               | 1  | 3/30/2023 2:30:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 8 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-005A

**Client Sample ID:** SS-5 Shipping  
**Tag Number:** 275,271  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,1,2-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,1-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,1-Dichloroethene           | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,2,4-Trichlorobenzene       | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,2,4-Trimethylbenzene       | 0.64   | 0.74         | J    | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dibromoethane            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dichloropropane          | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,3,5-Trimethylbenzene       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,3-butadiene                | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,3-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,4-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 1,4-Dioxane                  | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 2,2,4-trimethylpentane       | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| 4-ethyltoluene               | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Acetone                      | 12     | 7.1          |      | ug/m3               | 10 | 3/31/2023 6:04:00 PM |
| Allyl chloride               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Benzene                      | 0.86   | 0.48         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Benzyl chloride              | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Bromodichloromethane         | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Bromoform                    | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Bromomethane                 | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Carbon disulfide             | 1.3    | 0.47         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Carbon tetrachloride         | < 0.94 | 0.94         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Chlorobenzene                | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Chloroethane                 | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Chloroform                   | < 0.73 | 0.73         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Chloromethane                | 0.45   | 0.31         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| cis-1,2-Dichloroethene       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| cis-1,3-Dichloropropene      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Cyclohexane                  | 0.59   | 0.52         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Dibromochloromethane         | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Ethyl acetate                | 0.76   | 0.54         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Ethylbenzene                 | 0.43   | 0.65         | J    | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Freon 11                     | 1.7    | 0.84         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Freon 113                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Freon 114                    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 9 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-005A

**Client Sample ID:** SS-5 Shipping  
**Tag Number:** 275,271  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                     | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Heptane                      | 2.8    | 0.61         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Hexachloro-1,3-butadiene     | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Hexane                       | 1.0    | 0.53         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Isopropyl alcohol            | 3.6    | 0.37         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| m&p-Xylene                   | 1.4    | 1.3          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Methyl Butyl Ketone          | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Methyl Ethyl Ketone          | 1.1    | 0.88         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Methyl Isobutyl Ketone       | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Methyl tert-butyl ether      | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Methylene chloride           | 3.3    | 0.52         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| o-Xylene                     | 0.61   | 0.65         | J    | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Propylene                    | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Styrene                      | 0.68   | 0.64         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Tetrachloroethylene          | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Tetrahydrofuran              | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Toluene                      | 3.1    | 0.57         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| trans-1,2-Dichloroethene     | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| trans-1,3-Dichloropropene    | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Trichloroethene              | < 0.81 | 0.81         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Vinyl acetate                | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Vinyl Bromide                | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |
| Vinyl chloride               | < 0.38 | 0.38         |      | ug/m3               | 1  | 3/30/2023 3:14:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted



# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-006A

**Client Sample ID:** SS-6 Faculty Addition  
**Tag Number:** 229,259  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,1,2-Trichloroethane        | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,1-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,1-Dichloroethene           | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,2,4-Trichlorobenzene       | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,2,4-Trimethylbenzene       | 0.93   | 0.74         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dibromoethane            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dichloroethane           | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dichloropropane          | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,3,5-Trimethylbenzene       | 0.69   | 0.74         | J    | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,3-butadiene                | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,3-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,4-Dichlorobenzene          | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 1,4-Dioxane                  | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 2,2,4-trimethylpentane       | 0.56   | 0.70         | J    | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| 4-ethyltoluene               | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Acetone                      | 29     | 7.1          |      | ug/m3               | 10 | 3/31/2023 6:47:00 PM |
| Allyl chloride               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Benzene                      | 2.0    | 0.48         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Benzyl chloride              | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Bromodichloromethane         | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Bromoform                    | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Bromomethane                 | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Carbon disulfide             | 2.1    | 0.47         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Carbon tetrachloride         | < 0.94 | 0.94         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Chlorobenzene                | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Chloroethane                 | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Chloroform                   | 0.54   | 0.73         | J    | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Chloromethane                | < 0.31 | 0.31         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| cis-1,2-Dichloroethene       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| cis-1,3-Dichloropropene      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Cyclohexane                  | 4.5    | 0.52         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Dibromochloromethane         | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Ethyl acetate                | 0.76   | 0.54         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Ethylbenzene                 | 0.56   | 0.65         | J    | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Freon 11                     | 2.8    | 0.84         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Freon 113                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Freon 114                    | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 11 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-006A

**Client Sample ID:** SS-6 Faculty Addition  
**Tag Number:** 229,259  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                     | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Heptane                      | 6.1    | 6.1          |      | ug/m3               | 10 | 3/31/2023 6:47:00 PM |
| Hexachloro-1,3-butadiene     | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Hexane                       | 7.3    | 0.53         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Isopropyl alcohol            | 4.2    | 3.7          |      | ug/m3               | 10 | 3/31/2023 6:47:00 PM |
| m&p-Xylene                   | 1.7    | 1.3          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Methyl Butyl Ketone          | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Methyl Ethyl Ketone          | 2.5    | 0.88         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Methyl Isobutyl Ketone       | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Methyl tert-butyl ether      | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Methylene chloride           | 4.1    | 0.52         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| o-Xylene                     | 0.87   | 0.65         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Propylene                    | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Styrene                      | 1.1    | 0.64         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Tetrachloroethylene          | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Tetrahydrofuran              | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Toluene                      | 4.6    | 0.57         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| trans-1,2-Dichloroethene     | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| trans-1,3-Dichloropropene    | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Trichloroethene              | < 0.81 | 0.81         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Vinyl acetate                | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Vinyl Bromide                | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |
| Vinyl chloride               | < 0.38 | 0.38         |      | ug/m3               | 1  | 3/30/2023 4:01:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 12 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-007A

**Client Sample ID:** IA-1 Office  
**Tag Number:** 200,1108  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,1,2-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,1-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,1-Dichloroethene                             | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,2,4-Trichlorobenzene                         | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dibromoethane                              | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dichloropropane                            | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,3-butadiene                                  | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,3-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,4-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 1,4-Dioxane                                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 2,2,4-trimethylpentane                         | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| 4-ethyltoluene                                 | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Acetone                                        | 7.6    | 3.6          |      | ug/m3               | 5  | 3/31/2023 7:29:00 PM |
| Allyl chloride                                 | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Benzene                                        | 0.86   | 0.48         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Benzyl chloride                                | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Bromodichloromethane                           | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Bromoform                                      | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Bromomethane                                   | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Carbon disulfide                               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Carbon tetrachloride                           | 0.44   | 0.19         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Chlorobenzene                                  | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Chloroethane                                   | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Chloroform                                     | < 0.73 | 0.73         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Chloromethane                                  | 1.0    | 0.31         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| cis-1,2-Dichloroethene                         | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| cis-1,3-Dichloropropene                        | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Cyclohexane                                    | < 0.52 | 0.52         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Dibromochloromethane                           | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Ethyl acetate                                  | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Ethylbenzene                                   | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Freon 11                                       | 12     | 4.2          |      | ug/m3               | 5  | 3/31/2023 7:29:00 PM |
| Freon 113                                      | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Freon 114                                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 13 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-007A

**Client Sample ID:** IA-1 Office  
**Tag Number:** 200,1108  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                                       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Heptane                                        | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Hexachloro-1,3-butadiene                       | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Hexane                                         | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Isopropyl alcohol                              | 13     | 1.8          |      | ug/m3               | 5  | 3/31/2023 7:29:00 PM |
| m&p-Xylene                                     | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Methyl Butyl Ketone                            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Methyl Ethyl Ketone                            | 0.71   | 0.88         | J    | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Methyl Isobutyl Ketone                         | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Methyl tert-butyl ether                        | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Methylene chloride                             | 0.83   | 0.52         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| o-Xylene                                       | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Propylene                                      | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Styrene                                        | < 0.64 | 0.64         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Tetrachloroethylene                            | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Tetrahydrofuran                                | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Toluene                                        | 0.87   | 0.57         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| trans-1,2-Dichloroethene                       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| trans-1,3-Dichloropropene                      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Trichloroethene                                | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Vinyl acetate                                  | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Vinyl Bromide                                  | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |
| Vinyl chloride                                 | < 0.10 | 0.10         |      | ug/m3               | 1  | 3/30/2023 4:46:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-008A

**Client Sample ID:** IA-2 Lunch Room  
**Tag Number:** 89,1109  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,1,2-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,1-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,1-Dichloroethene                             | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,2,4-Trichlorobenzene                         | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dibromoethane                              | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dichloropropane                            | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,3-butadiene                                  | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,3-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,4-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 1,4-Dioxane                                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 2,2,4-trimethylpentane                         | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| 4-ethyltoluene                                 | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Acetone                                        | 14     | 6.4          |      | ug/m3               | 9  | 3/31/2023 8:13:00 PM |
| Allyl chloride                                 | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Benzene                                        | 0.51   | 0.48         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Benzyl chloride                                | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Bromodichloromethane                           | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Bromoform                                      | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Bromomethane                                   | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Carbon disulfide                               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Carbon tetrachloride                           | 0.44   | 0.19         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Chlorobenzene                                  | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Chloroethane                                   | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Chloroform                                     | < 0.73 | 0.73         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Chloromethane                                  | 1.2    | 0.31         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| cis-1,2-Dichloroethene                         | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| cis-1,3-Dichloropropene                        | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Cyclohexane                                    | < 0.52 | 0.52         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Dibromochloromethane                           | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Ethyl acetate                                  | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Ethylbenzene                                   | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Freon 11                                       | 5.8    | 0.84         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Freon 113                                      | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Freon 114                                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 15 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-008A

**Client Sample ID:** IA-2 Lunch Room  
**Tag Number:** 89,1109  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                                       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Heptane                                        | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Hexachloro-1,3-butadiene                       | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Hexane                                         | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Isopropyl alcohol                              | 170    | 34           |      | ug/m3               | 90 | 3/31/2023 8:56:00 PM |
| m&p-Xylene                                     | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Methyl Butyl Ketone                            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Methyl Ethyl Ketone                            | 0.56   | 0.88         | J    | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Methyl Isobutyl Ketone                         | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Methyl tert-butyl ether                        | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Methylene chloride                             | 1.1    | 0.52         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| o-Xylene                                       | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Propylene                                      | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Styrene                                        | < 0.64 | 0.64         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Tetrachloroethylene                            | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Tetrahydrofuran                                | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Toluene                                        | 0.41   | 0.57         | J    | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| trans-1,2-Dichloroethene                       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| trans-1,3-Dichloropropene                      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Trichloroethene                                | 0.11   | 0.16         | J    | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Vinyl acetate                                  | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Vinyl Bromide                                  | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |
| Vinyl chloride                                 | < 0.10 | 0.10         |      | ug/m3               | 1  | 3/30/2023 5:31:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 16 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-009A

**Client Sample ID:** IA-3 Locker Room  
**Tag Number:** 189,1166  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,1,2-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,1-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,1-Dichloroethene                             | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,2,4-Trichlorobenzene                         | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,2,4-Trimethylbenzene                         | 3.9    | 0.74         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dibromoethane                              | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dichloropropane                            | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,3-butadiene                                  | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,3-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,4-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 1,4-Dioxane                                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 2,2,4-trimethylpentane                         | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| 4-ethyltoluene                                 | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Acetone                                        | 18     | 7.1          |      | ug/m3               | 10 | 3/31/2023 9:39:00 PM |
| Allyl chloride                                 | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Benzene                                        | 0.54   | 0.48         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Benzyl chloride                                | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Bromodichloromethane                           | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Bromoform                                      | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Bromomethane                                   | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Carbon disulfide                               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Carbon tetrachloride                           | 0.50   | 0.19         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Chlorobenzene                                  | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Chloroethane                                   | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Chloroform                                     | 6.6    | 0.73         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Chloromethane                                  | 1.4    | 0.31         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| cis-1,2-Dichloroethene                         | 0.63   | 0.16         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| cis-1,3-Dichloropropene                        | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Cyclohexane                                    | < 0.52 | 0.52         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Dibromochloromethane                           | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Ethyl acetate                                  | 0.65   | 0.54         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Ethylbenzene                                   | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Freon 11                                       | 4.4    | 0.84         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Freon 113                                      | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |
| Freon 114                                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 17 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-009A

**Client Sample ID:** IA-3 Locker Room  
**Tag Number:** 189,1166  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Freon 12                                       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Heptane                                        | 1.4    | 0.61         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Hexachloro-1,3-butadiene                       | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Hexane                                         | 0.39   | 0.53         | J    | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Isopropyl alcohol                              | 70     | 15           |      | ug/m3               | 40 | 3/31/2023 10:21:00 PM |
| m&p-Xylene                                     | 1.3    | 1.3          | J    | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Methyl Butyl Ketone                            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Methyl Ethyl Ketone                            | 1.5    | 0.88         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Methyl Isobutyl Ketone                         | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Methyl tert-butyl ether                        | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Methylene chloride                             | 0.97   | 0.52         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| o-Xylene                                       | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Propylene                                      | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Styrene                                        | < 0.64 | 0.64         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Tetrachloroethylene                            | 52     | 10           |      | ug/m3               | 10 | 3/31/2023 9:39:00 PM  |
| Tetrahydrofuran                                | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Toluene                                        | 2.7    | 0.57         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| trans-1,2-Dichloroethene                       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| trans-1,3-Dichloropropene                      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Trichloroethene                                | 0.32   | 0.16         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Vinyl acetate                                  | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Vinyl Bromide                                  | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |
| Vinyl chloride                                 | < 0.10 | 0.10         |      | ug/m3               | 1  | 3/30/2023 6:16:00 PM  |

**Qualifiers:** . Results reported are not blank corrected  
DL Detection Limit  
H Holding times for preparation or analysis exceeded  
JN Non-routine analyte. Quantitation estimated.  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
E Estimated Value above quantitation range  
J Analyte detected below quantitation limit  
ND Not Detected at the Limit of Detection  
SC Sub-Contracted

Page 18 of 26



# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-010A

**Client Sample ID:** IA-4 Tool Room  
**Tag Number:** 222,1163  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| 1,1,1-Trichloroethane                          | 0.55   | 0.82         | J    | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,1,2,2-Tetrachloroethane                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,1,2-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,1-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,1-Dichloroethene                             | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,2,4-Trichlorobenzene                         | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,2,4-Trimethylbenzene                         | 5.2    | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dibromoethane                              | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dichloropropane                            | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,3,5-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,3-butadiene                                  | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,3-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,4-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 1,4-Dioxane                                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 2,2,4-trimethylpentane                         | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| 4-ethyltoluene                                 | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Acetone                                        | 24     | 7.1          |      | ug/m3               | 10 | 3/31/2023 11:04:00 PM |
| Allyl chloride                                 | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Benzene                                        | 0.64   | 0.48         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Benzyl chloride                                | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Bromodichloromethane                           | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Bromoform                                      | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Bromomethane                                   | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Carbon disulfide                               | 0.34   | 0.47         | J    | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Carbon tetrachloride                           | 0.38   | 0.19         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Chlorobenzene                                  | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Chloroethane                                   | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Chloroform                                     | 4.5    | 0.73         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Chloromethane                                  | 1.2    | 0.31         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| cis-1,2-Dichloroethene                         | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| cis-1,3-Dichloropropene                        | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Cyclohexane                                    | 0.34   | 0.52         | J    | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Dibromochloromethane                           | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Ethyl acetate                                  | 1.0    | 0.54         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Ethylbenzene                                   | 0.61   | 0.65         | J    | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Freon 11                                       | 5.6    | 0.84         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Freon 113                                      | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Freon 114                                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 19 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-010A

**Client Sample ID:** IA-4 Tool Room  
**Tag Number:** 222,1163  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Freon 12                                       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Heptane                                        | 2.1    | 0.61         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Hexachloro-1,3-butadiene                       | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Hexane                                         | 0.53   | 0.53         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Isopropyl alcohol                              | 58     | 15           |      | ug/m3               | 40 | 3/31/2023 11:47:00 PM |
| m&p-Xylene                                     | 2.4    | 1.3          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Methyl Butyl Ketone                            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Methyl Ethyl Ketone                            | 2.2    | 0.88         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Methyl Isobutyl Ketone                         | 0.61   | 1.2          | J    | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Methyl tert-butyl ether                        | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Methylene chloride                             | 0.83   | 0.52         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| o-Xylene                                       | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Propylene                                      | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Styrene                                        | < 0.64 | 0.64         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Tetrachloroethylene                            | 3.0    | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Tetrahydrofuran                                | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Toluene                                        | 4.6    | 0.57         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| trans-1,2-Dichloroethene                       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| trans-1,3-Dichloropropene                      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Trichloroethene                                | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Vinyl acetate                                  | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Vinyl Bromide                                  | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |
| Vinyl chloride                                 | < 0.10 | 0.10         |      | ug/m3               | 1  | 3/30/2023 7:01:00 PM  |

**Qualifiers:** . Results reported are not blank corrected  
DL Detection Limit  
H Holding times for preparation or analysis exceeded  
JN Non-routine analyte. Quantitation estimated.  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
E Estimated Value above quantitation range  
J Analyte detected below quantitation limit  
ND Not Detected at the Limit of Detection  
SC Sub-Contracted

Page 20 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-011A

**Client Sample ID:** IA-5 Shipping  
**Tag Number:** 86,262  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,1,2-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,1-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,1-Dichloroethene                             | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,2,4-Trichlorobenzene                         | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,2,4-Trimethylbenzene                         | 5.8    | 0.74         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dibromoethane                              | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dichloropropane                            | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,3-butadiene                                  | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,3-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,4-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 1,4-Dioxane                                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 2,2,4-trimethylpentane                         | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| 4-ethyltoluene                                 | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Acetone                                        | 22     | 7.1          |      | ug/m3               | 10 | 4/1/2023 2:38:00 AM  |
| Allyl chloride                                 | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Benzene                                        | 0.38   | 0.48         | J    | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Benzyl chloride                                | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Bromodichloromethane                           | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Bromoform                                      | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Bromomethane                                   | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Carbon disulfide                               | 0.31   | 0.47         | J    | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Carbon tetrachloride                           | < 0.19 | 0.19         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Chlorobenzene                                  | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Chloroethane                                   | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Chloroform                                     | 1.8    | 0.73         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Chloromethane                                  | 0.66   | 0.31         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| cis-1,2-Dichloroethene                         | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| cis-1,3-Dichloropropene                        | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Cyclohexane                                    | < 0.52 | 0.52         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Dibromochloromethane                           | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Ethyl acetate                                  | 0.50   | 0.54         | J    | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Ethylbenzene                                   | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Freon 11                                       | 3.8    | 0.84         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Freon 113                                      | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Freon 114                                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 21 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-011A

**Client Sample ID:** IA-5 Shipping  
**Tag Number:** 86,262  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                                       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Heptane                                        | 0.78   | 0.61         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Hexachloro-1,3-butadiene                       | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Hexane                                         | 0.39   | 0.53         | J    | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Isopropyl alcohol                              | 47     | 15           |      | ug/m3               | 40 | 4/1/2023 3:21:00 AM  |
| m&p-Xylene                                     | 1.5    | 1.3          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Methyl Butyl Ketone                            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Methyl Ethyl Ketone                            | 0.88   | 0.88         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Methyl Isobutyl Ketone                         | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Methyl tert-butyl ether                        | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Methylene chloride                             | 1.0    | 0.52         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| o-Xylene                                       | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Propylene                                      | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Styrene                                        | < 0.64 | 0.64         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Tetrachloroethylene                            | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Tetrahydrofuran                                | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Toluene                                        | 3.3    | 0.57         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| trans-1,2-Dichloroethene                       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| trans-1,3-Dichloropropene                      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Trichloroethene                                | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Vinyl acetate                                  | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Vinyl Bromide                                  | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |
| Vinyl chloride                                 | < 0.10 | 0.10         |      | ug/m3               | 1  | 3/30/2023 9:46:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 22 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-012A

**Client Sample ID:** IA-6  
**Tag Number:** 357,295  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,1,2-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,1-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,1-Dichloroethene                             | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,2,4-Trichlorobenzene                         | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dibromoethane                              | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dichloropropane                            | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,3-butadiene                                  | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,3-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,4-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 1,4-Dioxane                                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 2,2,4-trimethylpentane                         | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| 4-ethyltoluene                                 | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Acetone                                        | 20     | 7.1          |      | ug/m3               | 10 | 4/1/2023 12:30:00 AM |
| Allyl chloride                                 | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Benzene                                        | 0.67   | 0.48         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Benzyl chloride                                | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Bromodichloromethane                           | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Bromoform                                      | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Bromomethane                                   | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Carbon disulfide                               | 0.34   | 0.47         | J    | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Carbon tetrachloride                           | 0.38   | 0.19         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Chlorobenzene                                  | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Chloroethane                                   | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Chloroform                                     | 6.8    | 0.73         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Chloromethane                                  | 1.2    | 0.31         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| cis-1,2-Dichloroethene                         | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| cis-1,3-Dichloropropene                        | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Cyclohexane                                    | < 0.52 | 0.52         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Dibromochloromethane                           | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Ethyl acetate                                  | 0.86   | 0.54         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Ethylbenzene                                   | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Freon 11                                       | 5.2    | 0.84         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Freon 113                                      | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Freon 114                                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 23 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-012A

**Client Sample ID:** IA-6  
**Tag Number:** 357,295  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                                       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Heptane                                        | 1.9    | 0.61         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Hexachloro-1,3-butadiene                       | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Hexane                                         | 0.49   | 0.53         | J    | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Isopropyl alcohol                              | 44     | 15           |      | ug/m3               | 40 | 4/1/2023 1:12:00 AM  |
| m&p-Xylene                                     | 2.2    | 1.3          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Methyl Butyl Ketone                            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Methyl Ethyl Ketone                            | 1.4    | 0.88         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Methyl Isobutyl Ketone                         | 0.53   | 1.2          | J    | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Methyl tert-butyl ether                        | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Methylene chloride                             | 0.73   | 0.52         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| o-Xylene                                       | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Propylene                                      | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Styrene                                        | < 0.64 | 0.64         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Tetrachloroethylene                            | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Tetrahydrofuran                                | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Toluene                                        | 3.7    | 0.57         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| trans-1,2-Dichloroethene                       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| trans-1,3-Dichloropropene                      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Trichloroethene                                | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Vinyl acetate                                  | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Vinyl Bromide                                  | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |
| Vinyl chloride                                 | < 0.10 | 0.10         |      | ug/m3               | 1  | 3/30/2023 7:46:00 PM |

**Qualifiers:**

- . Results reported are not blank corrected
- DL Detection Limit
- H Holding times for preparation or analysis exceeded
- JN Non-routine analyte. Quantitation estimated.
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Estimated Value above quantitation range
- J Analyte detected below quantitation limit
- ND Not Detected at the Limit of Detection
- SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-013A

**Client Sample ID:** OA-1  
**Tag Number:** 1185,266  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,1,2-Trichloroethane                          | < 0.82 | 0.82         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,1-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,1-Dichloroethene                             | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,2,4-Trichlorobenzene                         | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dibromoethane                              | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dichloroethane                             | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dichloropropane                            | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,3-butadiene                                  | < 0.33 | 0.33         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,3-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,4-Dichlorobenzene                            | < 0.90 | 0.90         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 1,4-Dioxane                                    | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 2,2,4-trimethylpentane                         | < 0.70 | 0.70         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| 4-ethyltoluene                                 | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Acetone                                        | 11     | 3.6          |      | ug/m3               | 5  | 4/1/2023 1:54:00 AM  |
| Allyl chloride                                 | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Benzene                                        | 0.32   | 0.48         | J    | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Benzyl chloride                                | < 0.86 | 0.86         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Bromodichloromethane                           | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Bromoform                                      | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Bromomethane                                   | < 0.58 | 0.58         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Carbon disulfide                               | < 0.47 | 0.47         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Carbon tetrachloride                           | < 0.19 | 0.19         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Chlorobenzene                                  | < 0.69 | 0.69         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Chloroethane                                   | < 0.40 | 0.40         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Chloroform                                     | < 0.73 | 0.73         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Chloromethane                                  | 0.93   | 0.31         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| cis-1,2-Dichloroethene                         | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| cis-1,3-Dichloropropene                        | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Cyclohexane                                    | < 0.52 | 0.52         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Dibromochloromethane                           | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Ethyl acetate                                  | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Ethylbenzene                                   | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Freon 11                                       | 1.2    | 0.84         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Freon 113                                      | < 1.1  | 1.1          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Freon 114                                      | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 25 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-013A

**Client Sample ID:** OA-1  
**Tag Number:** 1185,266  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Freon 12                                       | < 0.74 | 0.74         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Heptane                                        | < 0.61 | 0.61         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Hexachloro-1,3-butadiene                       | < 1.6  | 1.6          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Hexane                                         | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Isopropyl alcohol                              | 0.93   | 0.37         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| m&p-Xylene                                     | < 1.3  | 1.3          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Methyl Butyl Ketone                            | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Methyl Ethyl Ketone                            | 0.53   | 0.88         | J    | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Methyl Isobutyl Ketone                         | < 1.2  | 1.2          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Methyl tert-butyl ether                        | < 0.54 | 0.54         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Methylene chloride                             | 0.69   | 0.52         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| o-Xylene                                       | < 0.65 | 0.65         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Propylene                                      | < 0.26 | 0.26         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Styrene                                        | < 0.64 | 0.64         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Tetrachloroethylene                            | < 1.0  | 1.0          |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Tetrahydrofuran                                | < 0.44 | 0.44         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Toluene                                        | < 0.57 | 0.57         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| trans-1,2-Dichloroethene                       | < 0.59 | 0.59         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| trans-1,3-Dichloropropene                      | < 0.68 | 0.68         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Trichloroethene                                | < 0.16 | 0.16         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Vinyl acetate                                  | < 0.53 | 0.53         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Vinyl Bromide                                  | < 0.66 | 0.66         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |
| Vinyl chloride                                 | < 0.10 | 0.10         |      | ug/m3               | 1  | 3/30/2023 8:31:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 26 of 26



# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-001A

**Client Sample ID:** SS-1 Office  
**Tag Number:** 87,1164  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>FIELD PARAMETERS</b>      |        | <b>FLD</b>   |      | Analyst:            |    |                       |
| Lab Vacuum In                | -8     |              |      | "Hg                 |    | 3/28/2023             |
| Lab Vacuum Out               | -30    |              |      | "Hg                 |    | 3/28/2023             |
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| 1,1,1-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,1,2-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,1-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,1-Dichloroethene           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,2,4-Trichlorobenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,2,4-Trimethylbenzene       | 0.16   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dibromoethane            | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,2-Dichloropropane          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,3,5-Trimethylbenzene       | 0.13   | 0.15         | J    | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,3-butadiene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,3-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,4-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 1,4-Dioxane                  | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 2,2,4-trimethylpentane       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| 4-ethyltoluene               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Acetone                      | 32     | 12           |      | ppbV                | 40 | 3/30/2023 11:11:00 PM |
| Allyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Benzene                      | 0.40   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Benzyl chloride              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Bromodichloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Bromoform                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Bromomethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Carbon disulfide             | 0.89   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Carbon tetrachloride         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Chlorobenzene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Chloroethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Chloroform                   | 0.10   | 0.15         | J    | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Chloromethane                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| cis-1,2-Dichloroethene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| cis-1,3-Dichloropropene      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Cyclohexane                  | 1.1    | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Dibromochloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Ethyl acetate                | 0.17   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-001A

**Client Sample ID:** SS-1 Office  
**Tag Number:** 87,1164  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Ethylbenzene                 | 0.12   | 0.15         | J    | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Freon 11                     | 0.71   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Freon 113                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Freon 114                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Freon 12                     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Heptane                      | 0.51   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Hexachloro-1,3-butadiene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Hexane                       | 8.0    | 1.5          |      | ppbV                | 10 | 3/30/2023 10:29:00 PM |
| Isopropyl alcohol            | 6.6    | 1.5          |      | ppbV                | 10 | 3/30/2023 10:29:00 PM |
| m&p-Xylene                   | 0.37   | 0.30         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Methyl Butyl Ketone          | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Methyl Ethyl Ketone          | 1.6    | 0.30         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Methyl Isobutyl Ketone       | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Methyl tert-butyl ether      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Methylene chloride           | 1.7    | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| o-Xylene                     | 0.17   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Propylene                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Styrene                      | 0.24   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Tetrachloroethylene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Tetrahydrofuran              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Toluene                      | 1.1    | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| trans-1,2-Dichloroethene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| trans-1,3-Dichloropropene    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Trichloroethene              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Vinyl acetate                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Vinyl Bromide                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Vinyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:13:00 PM |
| Surr: Bromofluorobenzene     | 95.0   | 78.8-119     |      | %REC                | 1  | 3/30/2023 12:13:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 2 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-002A

**Client Sample ID:** SS-2 Lunch Room  
**Tag Number:** 457,1170  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>FIELD PARAMETERS</b>      |        | <b>FLD</b>   |      | Analyst:            |    |                       |
| Lab Vacuum In                | -8     |              |      | "Hg                 |    | 3/28/2023             |
| Lab Vacuum Out               | -30    |              |      | "Hg                 |    | 3/28/2023             |
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| 1,1,1-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,1,2-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,1-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,1-Dichloroethene           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,2,4-Trichlorobenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,2,4-Trimethylbenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dibromoethane            | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,2-Dichloropropane          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,3,5-Trimethylbenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,3-butadiene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,3-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,4-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 1,4-Dioxane                  | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 2,2,4-trimethylpentane       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| 4-ethyltoluene               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Acetone                      | 5.2    | 3.0          |      | ppbV                | 10 | 3/30/2023 11:54:00 PM |
| Allyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Benzene                      | 0.22   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Benzyl chloride              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Bromodichloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Bromoform                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Bromomethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Carbon disulfide             | 0.46   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Carbon tetrachloride         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Chlorobenzene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Chloroethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Chloroform                   | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Chloromethane                | 0.43   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| cis-1,2-Dichloroethene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| cis-1,3-Dichloropropene      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Cyclohexane                  | 0.18   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Dibromochloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Ethyl acetate                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                 |
|----|----------------------------------------------------|----|-------------------------------------------------|
| .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
| DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
| H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
| JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
| S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

|                   |                                         |                          |                 |
|-------------------|-----------------------------------------|--------------------------|-----------------|
| <b>CLIENT:</b>    | Benchmark Environmental Engineering & S | <b>Client Sample ID:</b> | SS-2 Lunch Room |
| <b>Lab Order:</b> | C2303060                                | <b>Tag Number:</b>       | 457,1170        |
| <b>Project:</b>   | 293 Patriot Way                         | <b>Collection Date:</b>  | 3/24/2023       |
| <b>Lab ID:</b>    | C2303060-002A                           | <b>Matrix:</b>           | AIR             |

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Ethylbenzene                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Freon 11                     | 0.23   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Freon 113                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Freon 114                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Freon 12                     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Heptane                      | 0.43   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Hexachloro-1,3-butadiene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Hexane                       | 0.20   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Isopropyl alcohol            | 1.6    | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| m&p-Xylene                   | 0.21   | 0.30         | J    | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Methyl Butyl Ketone          | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Methyl Ethyl Ketone          | 0.33   | 0.30         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Methyl Isobutyl Ketone       | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Methyl tert-butyl ether      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Methylene chloride           | 0.78   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| o-Xylene                     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Propylene                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Styrene                      | 0.11   | 0.15         | J    | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Tetrachloroethylene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Tetrahydrofuran              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Toluene                      | 0.60   | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| trans-1,2-Dichloroethene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| trans-1,3-Dichloropropene    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Trichloroethene              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Vinyl acetate                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Vinyl Bromide                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Vinyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 12:58:00 PM |
| Surr: Bromofluorobenzene     | 89.0   | 78.8-119     |      | %REC                | 1  | 3/30/2023 12:58:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-003A

**Client Sample ID:** SS-3 Locker Room  
**Tag Number:** 351,263  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>FIELD PARAMETERS</b>      |        | <b>FLD</b>   |      | Analyst:            |    |                      |
| Lab Vacuum In                | -10    |              |      | "Hg                 |    | 3/28/2023            |
| Lab Vacuum Out               | -30    |              |      | "Hg                 |    | 3/28/2023            |
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,1,2-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,1-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,1-Dichloroethene           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,2,4-Trichlorobenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,2,4-Trimethylbenzene       | 0.15   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dibromoethane            | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,2-Dichloropropane          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,3,5-Trimethylbenzene       | 0.13   | 0.15         | J    | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,3-butadiene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,3-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,4-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 1,4-Dioxane                  | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 2,2,4-trimethylpentane       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| 4-ethyltoluene               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Acetone                      | 73     | 27           |      | ppbV                | 90 | 3/31/2023 3:12:00 PM |
| Allyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Benzene                      | 0.37   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Benzyl chloride              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Bromodichloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Bromoform                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Bromomethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Carbon disulfide             | 0.48   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Carbon tetrachloride         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Chlorobenzene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Chloroethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Chloroform                   | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Chloromethane                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| cis-1,2-Dichloroethene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| cis-1,3-Dichloropropene      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Cyclohexane                  | 0.34   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Dibromochloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Ethyl acetate                | 0.15   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                 |
|----|----------------------------------------------------|----|-------------------------------------------------|
| .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
| DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
| H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
| JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
| S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

|                   |                                         |                          |                  |
|-------------------|-----------------------------------------|--------------------------|------------------|
| <b>CLIENT:</b>    | Benchmark Environmental Engineering & S | <b>Client Sample ID:</b> | SS-3 Locker Room |
| <b>Lab Order:</b> | C2303060                                | <b>Tag Number:</b>       | 351,263          |
| <b>Project:</b>   | 293 Patriot Way                         | <b>Collection Date:</b>  | 3/24/2023        |
| <b>Lab ID:</b>    | C2303060-003A                           | <b>Matrix:</b>           | AIR              |

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                 | 0.12   | 0.15         | J    | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Freon 11                     | 0.54   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Freon 113                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Freon 114                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Freon 12                     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Heptane                      | 0.99   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Hexachloro-1,3-butadiene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Hexane                       | 0.84   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Isopropyl alcohol            | 7.4    | 1.4          |      | ppbV                | 9  | 4/4/2023 2:00:00 PM  |
| m&p-Xylene                   | 0.36   | 0.30         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Methyl Butyl Ketone          | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Methyl Ethyl Ketone          | 0.63   | 0.30         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Methyl Isobutyl Ketone       | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Methyl tert-butyl ether      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Methylene chloride           | 1.2    | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| o-Xylene                     | 0.19   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Propylene                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Styrene                      | 0.22   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Tetrachloroethylene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Tetrahydrofuran              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Toluene                      | 0.87   | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| trans-1,2-Dichloroethene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| trans-1,3-Dichloropropene    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Trichloroethene              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Vinyl acetate                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Vinyl Bromide                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Vinyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 1:43:00 PM |
| Surr: Bromofluorobenzene     | 107    | 78.8-119     |      | %REC                | 1  | 3/30/2023 1:43:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 6 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-004A

**Client Sample ID:** SS-4 Tool Room  
**Tag Number:** 245,278  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units        | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|--------------|----|----------------------|
| <b>FIELD PARAMETERS</b>      |        | <b>FLD</b>   |      | Analyst:     |    |                      |
| Lab Vacuum In                | -11    |              |      | "Hg          |    | 3/28/2023            |
| Lab Vacuum Out               | -30    |              |      | "Hg          |    | 3/28/2023            |
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: RJP |    |                      |
| 1,1,1-Trichloroethane        | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,1,2-Trichloroethane        | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,1-Dichloroethane           | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,1-Dichloroethene           | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,2,4-Trichlorobenzene       | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,2,4-Trimethylbenzene       | 0.19   | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dibromoethane            | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dichloroethane           | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,2-Dichloropropane          | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,3,5-Trimethylbenzene       | 0.17   | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,3-butadiene                | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,3-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,4-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 1,4-Dioxane                  | < 0.30 | 0.30         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 2,2,4-trimethylpentane       | 0.15   | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| 4-ethyltoluene               | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Acetone                      | 78     | 27           |      | ppbV         | 90 | 3/31/2023 5:21:00 PM |
| Allyl chloride               | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Benzene                      | 1.0    | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Benzyl chloride              | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Bromodichloromethane         | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Bromoform                    | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Bromomethane                 | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Carbon disulfide             | 0.62   | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Carbon tetrachloride         | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Chlorobenzene                | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Chloroethane                 | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Chloroform                   | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Chloromethane                | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| cis-1,2-Dichloroethene       | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| cis-1,3-Dichloropropene      | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Cyclohexane                  | 1.8    | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Dibromochloromethane         | < 0.15 | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |
| Ethyl acetate                | 0.20   | 0.15         |      | ppbV         | 1  | 3/30/2023 2:30:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                 |
|----|----------------------------------------------------|----|-------------------------------------------------|
| .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
| DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
| H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
| JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
| S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 7 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-004A

**Client Sample ID:** SS-4 Tool Room  
**Tag Number:** 245,278  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                 | 0.15   | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Freon 11                     | 5.2    | 1.4          |      | ppbV                | 9  | 3/31/2023 4:39:00 PM |
| Freon 113                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Freon 114                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Freon 12                     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Heptane                      | 2.2    | 1.4          |      | ppbV                | 9  | 3/31/2023 4:39:00 PM |
| Hexachloro-1,3-butadiene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Hexane                       | 4.8    | 1.4          |      | ppbV                | 9  | 3/31/2023 4:39:00 PM |
| Isopropyl alcohol            | 7.9    | 1.4          |      | ppbV                | 9  | 3/31/2023 4:39:00 PM |
| m&p-Xylene                   | 0.46   | 0.30         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Methyl Butyl Ketone          | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Methyl Ethyl Ketone          | 1.5    | 0.30         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Methyl Isobutyl Ketone       | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Methyl tert-butyl ether      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Methylene chloride           | 1.3    | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| o-Xylene                     | 0.23   | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Propylene                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Styrene                      | 0.28   | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Tetrachloroethylene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Tetrahydrofuran              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Toluene                      | 1.6    | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| trans-1,2-Dichloroethene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| trans-1,3-Dichloropropene    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Trichloroethene              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Vinyl acetate                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Vinyl Bromide                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Vinyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 2:30:00 PM |
| Surr: Bromofluorobenzene     | 104    | 78.8-119     |      | %REC                | 1  | 3/30/2023 2:30:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted



# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-005A

**Client Sample ID:** SS-5 Shipping  
**Tag Number:** 275,271  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>FIELD PARAMETERS</b>      |        | <b>FLD</b>   |      | Analyst:            |    |                      |
| Lab Vacuum In                | -5     |              |      | "Hg                 |    | 3/28/2023            |
| Lab Vacuum Out               | -30    |              |      | "Hg                 |    | 3/28/2023            |
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,1,2-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,1-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,1-Dichloroethene           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,2,4-Trichlorobenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,2,4-Trimethylbenzene       | 0.13   | 0.15         | J    | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dibromoethane            | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,2-Dichloropropane          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,3,5-Trimethylbenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,3-butadiene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,3-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,4-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 1,4-Dioxane                  | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 2,2,4-trimethylpentane       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| 4-ethyltoluene               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Acetone                      | 5.0    | 3.0          |      | ppbV                | 10 | 3/31/2023 6:04:00 PM |
| Allyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Benzene                      | 0.27   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Benzyl chloride              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Bromodichloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Bromoform                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Bromomethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Carbon disulfide             | 0.43   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Carbon tetrachloride         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Chlorobenzene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Chloroethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Chloroform                   | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Chloromethane                | 0.22   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| cis-1,2-Dichloroethene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| cis-1,3-Dichloropropene      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Cyclohexane                  | 0.17   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Dibromochloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Ethyl acetate                | 0.21   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-005A

**Client Sample ID:** SS-5 Shipping  
**Tag Number:** 275,271  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                 | 0.10   | 0.15         | J    | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Freon 11                     | 0.31   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Freon 113                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Freon 114                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Freon 12                     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Heptane                      | 0.68   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Hexachloro-1,3-butadiene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Hexane                       | 0.29   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Isopropyl alcohol            | 1.4    | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| m&p-Xylene                   | 0.32   | 0.30         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Methyl Butyl Ketone          | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Methyl Ethyl Ketone          | 0.38   | 0.30         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Methyl Isobutyl Ketone       | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Methyl tert-butyl ether      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Methylene chloride           | 0.96   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| o-Xylene                     | 0.14   | 0.15         | J    | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Propylene                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Styrene                      | 0.16   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Tetrachloroethylene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Tetrahydrofuran              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Toluene                      | 0.83   | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| trans-1,2-Dichloroethene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| trans-1,3-Dichloropropene    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Trichloroethene              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Vinyl acetate                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Vinyl Bromide                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Vinyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 3:14:00 PM |
| Surr: Bromofluorobenzene     | 96.0   | 78.8-119     |      | %REC                | 1  | 3/30/2023 3:14:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-006A

**Client Sample ID:** SS-6 Faculty Addition  
**Tag Number:** 229,259  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>FIELD PARAMETERS</b>      |        | <b>FLD</b>   |      | Analyst:            |    |                      |
| Lab Vacuum In                | -12    |              |      | "Hg                 |    | 3/28/2023            |
| Lab Vacuum Out               | -30    |              |      | "Hg                 |    | 3/28/2023            |
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,1,2,2-Tetrachloroethane    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,1,2-Trichloroethane        | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,1-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,1-Dichloroethene           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,2,4-Trichlorobenzene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,2,4-Trimethylbenzene       | 0.19   | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dibromoethane            | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dichloroethane           | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,2-Dichloropropane          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,3,5-Trimethylbenzene       | 0.14   | 0.15         | J    | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,3-butadiene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,3-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,4-Dichlorobenzene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 1,4-Dioxane                  | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 2,2,4-trimethylpentane       | 0.12   | 0.15         | J    | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| 4-ethyltoluene               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Acetone                      | 12     | 3.0          |      | ppbV                | 10 | 3/31/2023 6:47:00 PM |
| Allyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Benzene                      | 0.63   | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Benzyl chloride              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Bromodichloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Bromoform                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Bromomethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Carbon disulfide             | 0.66   | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Carbon tetrachloride         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Chlorobenzene                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Chloroethane                 | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Chloroform                   | 0.11   | 0.15         | J    | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Chloromethane                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| cis-1,2-Dichloroethene       | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| cis-1,3-Dichloropropene      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Cyclohexane                  | 1.3    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Dibromochloromethane         | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Ethyl acetate                | 0.21   | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-006A

**Client Sample ID:** SS-6 Faculty Addition  
**Tag Number:** 229,259  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                     | Result | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------|--------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 BY METHOD TO15</b> |        | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                 | 0.13   | 0.15         | J    | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Freon 11                     | 0.50   | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Freon 113                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Freon 114                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Freon 12                     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Heptane                      | 1.5    | 1.5          |      | ppbV                | 10 | 3/31/2023 6:47:00 PM |
| Hexachloro-1,3-butadiene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Hexane                       | 2.1    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Isopropyl alcohol            | 1.7    | 1.5          |      | ppbV                | 10 | 3/31/2023 6:47:00 PM |
| m&p-Xylene                   | 0.40   | 0.30         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Methyl Butyl Ketone          | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Methyl Ethyl Ketone          | 0.84   | 0.30         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Methyl Isobutyl Ketone       | < 0.30 | 0.30         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Methyl tert-butyl ether      | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Methylene chloride           | 1.2    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| o-Xylene                     | 0.20   | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Propylene                    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Styrene                      | 0.26   | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Tetrachloroethylene          | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Tetrahydrofuran              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Toluene                      | 1.2    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| trans-1,2-Dichloroethene     | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| trans-1,3-Dichloropropene    | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Trichloroethene              | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Vinyl acetate                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Vinyl Bromide                | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Vinyl chloride               | < 0.15 | 0.15         |      | ppbV                | 1  | 3/30/2023 4:01:00 PM |
| Surr: Bromofluorobenzene     | 111    | 78.8-119     |      | %REC                | 1  | 3/30/2023 4:01:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-007A

**Client Sample ID:** IA-1 Office  
**Tag Number:** 200,1108  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>FIELD PARAMETERS</b>                        |         | <b>FLD</b>   |      | Analyst:            |    |                      |
| Lab Vacuum In                                  | -8      |              |      | "Hg                 |    | 3/28/2023            |
| Lab Vacuum Out                                 | -30     |              |      | "Hg                 |    | 3/28/2023            |
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,1,2-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,1-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,1-Dichloroethene                             | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,2,4-Trichlorobenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dibromoethane                              | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,2-Dichloropropane                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,3-butadiene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,3-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,4-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 1,4-Dioxane                                    | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 2,2,4-trimethylpentane                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| 4-ethyltoluene                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Acetone                                        | 3.2     | 1.5          |      | ppbV                | 5  | 3/31/2023 7:29:00 PM |
| Allyl chloride                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Benzene                                        | 0.27    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Benzyl chloride                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Bromodichloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Bromoform                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Bromomethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Carbon disulfide                               | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Carbon tetrachloride                           | 0.070   | 0.030        |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Chlorobenzene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Chloroethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Chloroform                                     | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Chloromethane                                  | 0.49    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| cis-1,2-Dichloroethene                         | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| cis-1,3-Dichloropropene                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Cyclohexane                                    | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Dibromochloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Ethyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-007A

**Client Sample ID:** IA-1 Office  
**Tag Number:** 200,1108  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Freon 11                                       | 2.2     | 0.75         |      | ppbV                | 5  | 3/31/2023 7:29:00 PM |
| Freon 113                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Freon 114                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Freon 12                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Heptane                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Hexachloro-1,3-butadiene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Hexane                                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Isopropyl alcohol                              | 5.2     | 0.75         |      | ppbV                | 5  | 3/31/2023 7:29:00 PM |
| m&p-Xylene                                     | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Methyl Butyl Ketone                            | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Methyl Ethyl Ketone                            | 0.24    | 0.30         | J    | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Methyl Isobutyl Ketone                         | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Methyl tert-butyl ether                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Methylene chloride                             | 0.24    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| o-Xylene                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Propylene                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Styrene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Tetrachloroethylene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Tetrahydrofuran                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Toluene                                        | 0.23    | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| trans-1,2-Dichloroethene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| trans-1,3-Dichloropropene                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Trichloroethene                                | < 0.030 | 0.030        |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Vinyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Vinyl Bromide                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Vinyl chloride                                 | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 4:46:00 PM |
| Surr: Bromofluorobenzene                       | 127     | 78.8-119     | S    | %REC                | 1  | 3/30/2023 4:46:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-008A

**Client Sample ID:** IA-2 Lunch Room  
**Tag Number:** 89,1109  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units        | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|--------------|----|----------------------|
| <b>FIELD PARAMETERS</b>                        |         | <b>FLD</b>   |      | Analyst:     |    |                      |
| Lab Vacuum In                                  | -6      |              |      | "Hg          |    | 3/28/2023            |
| Lab Vacuum Out                                 | -30     |              |      | "Hg          |    | 3/28/2023            |
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: RJP |    |                      |
| 1,1,1-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,1,2-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,1-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,1-Dichloroethene                             | < 0.040 | 0.040        |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,2,4-Trichlorobenzene                         | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dibromoethane                              | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,2-Dichloropropane                            | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,3-butadiene                                  | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,3-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,4-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 1,4-Dioxane                                    | < 0.30  | 0.30         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 2,2,4-trimethylpentane                         | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| 4-ethyltoluene                                 | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Acetone                                        | 5.9     | 2.7          |      | ppbV         | 9  | 3/31/2023 8:13:00 PM |
| Allyl chloride                                 | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Benzene                                        | 0.16    | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Benzyl chloride                                | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Bromodichloromethane                           | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Bromoform                                      | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Bromomethane                                   | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Carbon disulfide                               | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Carbon tetrachloride                           | 0.070   | 0.030        |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Chlorobenzene                                  | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Chloroethane                                   | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Chloroform                                     | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Chloromethane                                  | 0.59    | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| cis-1,2-Dichloroethene                         | < 0.040 | 0.040        |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| cis-1,3-Dichloropropene                        | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Cyclohexane                                    | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Dibromochloromethane                           | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |
| Ethyl acetate                                  | < 0.15  | 0.15         |      | ppbV         | 1  | 3/30/2023 5:31:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                 |
|----|----------------------------------------------------|----|-------------------------------------------------|
| .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
| DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
| H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
| JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
| S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 15 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-008A

**Client Sample ID:** IA-2 Lunch Room  
**Tag Number:** 89,1109  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Freon 11                                       | 1.0     | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Freon 113                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Freon 114                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Freon 12                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Heptane                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Hexachloro-1,3-butadiene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Hexane                                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Isopropyl alcohol                              | 69      | 14           |      | ppbV                | 90 | 3/31/2023 8:56:00 PM |
| m&p-Xylene                                     | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Methyl Butyl Ketone                            | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Methyl Ethyl Ketone                            | 0.19    | 0.30         | J    | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Methyl Isobutyl Ketone                         | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Methyl tert-butyl ether                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Methylene chloride                             | 0.32    | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| o-Xylene                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Propylene                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Styrene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Tetrachloroethylene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Tetrahydrofuran                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Toluene                                        | 0.11    | 0.15         | J    | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| trans-1,2-Dichloroethene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| trans-1,3-Dichloropropene                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Trichloroethene                                | 0.020   | 0.030        | J    | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Vinyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Vinyl Bromide                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Vinyl chloride                                 | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 5:31:00 PM |
| Surr: Bromofluorobenzene                       | 110     | 78.8-119     |      | %REC                | 1  | 3/30/2023 5:31:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted



# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

|                   |                                         |                          |                  |
|-------------------|-----------------------------------------|--------------------------|------------------|
| <b>CLIENT:</b>    | Benchmark Environmental Engineering & S | <b>Client Sample ID:</b> | IA-3 Locker Room |
| <b>Lab Order:</b> | C2303060                                | <b>Tag Number:</b>       | 189,1166         |
| <b>Project:</b>   | 293 Patriot Way                         | <b>Collection Date:</b>  | 3/24/2023        |
| <b>Lab ID:</b>    | C2303060-009A                           | <b>Matrix:</b>           | AIR              |

| Analyses | Result | DL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

|                         |     |  |            |     |  |           |
|-------------------------|-----|--|------------|-----|--|-----------|
| <b>FIELD PARAMETERS</b> |     |  | <b>FLD</b> |     |  | Analyst:  |
| Lab Vacuum In           | -8  |  |            | "Hg |  | 3/28/2023 |
| Lab Vacuum Out          | -30 |  |            | "Hg |  | 3/28/2023 |

|                                                |         |       |              |      |    |                      |
|------------------------------------------------|---------|-------|--------------|------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         |       | <b>TO-15</b> |      |    | Analyst: <b>RJP</b>  |
| 1,1,1-Trichloroethane                          | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,1,2-Trichloroethane                          | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,1-Dichloroethane                             | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,1-Dichloroethene                             | < 0.040 | 0.040 |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,2,4-Trichlorobenzene                         | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,2,4-Trimethylbenzene                         | 0.79    | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dibromoethane                              | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dichlorobenzene                            | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dichloroethane                             | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,2-Dichloropropane                            | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,3-butadiene                                  | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,3-Dichlorobenzene                            | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,4-Dichlorobenzene                            | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 1,4-Dioxane                                    | < 0.30  | 0.30  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 2,2,4-trimethylpentane                         | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| 4-ethyltoluene                                 | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Acetone                                        | 7.4     | 3.0   |              | ppbV | 10 | 3/31/2023 9:39:00 PM |
| Allyl chloride                                 | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Benzene                                        | 0.17    | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Benzyl chloride                                | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Bromodichloromethane                           | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Bromoform                                      | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Bromomethane                                   | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Carbon disulfide                               | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Carbon tetrachloride                           | 0.080   | 0.030 |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Chlorobenzene                                  | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Chloroethane                                   | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Chloroform                                     | 1.4     | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Chloromethane                                  | 0.67    | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| cis-1,2-Dichloroethene                         | 0.16    | 0.040 |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| cis-1,3-Dichloropropene                        | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Cyclohexane                                    | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Dibromochloromethane                           | < 0.15  | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |
| Ethyl acetate                                  | 0.18    | 0.15  |              | ppbV | 1  | 3/30/2023 6:16:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 17 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

|                   |                                         |                          |                  |
|-------------------|-----------------------------------------|--------------------------|------------------|
| <b>CLIENT:</b>    | Benchmark Environmental Engineering & S | <b>Client Sample ID:</b> | IA-3 Locker Room |
| <b>Lab Order:</b> | C2303060                                | <b>Tag Number:</b>       | 189,1166         |
| <b>Project:</b>   | 293 Patriot Way                         | <b>Collection Date:</b>  | 3/24/2023        |
| <b>Lab ID:</b>    | C2303060-009A                           | <b>Matrix:</b>           | AIR              |

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------------------------|---------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Ethylbenzene                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Freon 11                                       | 0.79    | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Freon 113                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Freon 114                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Freon 12                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Heptane                                        | 0.35    | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Hexachloro-1,3-butadiene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Hexane                                         | 0.11    | 0.15         | J    | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Isopropyl alcohol                              | 28      | 6.0          |      | ppbV                | 40 | 3/31/2023 10:21:00 PM |
| m&p-Xylene                                     | 0.29    | 0.30         | J    | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Methyl Butyl Ketone                            | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Methyl Ethyl Ketone                            | 0.50    | 0.30         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Methyl Isobutyl Ketone                         | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Methyl tert-butyl ether                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Methylene chloride                             | 0.28    | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| o-Xylene                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Propylene                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Styrene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Tetrachloroethylene                            | 7.6     | 1.5          |      | ppbV                | 10 | 3/31/2023 9:39:00 PM  |
| Tetrahydrofuran                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Toluene                                        | 0.72    | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| trans-1,2-Dichloroethene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| trans-1,3-Dichloropropene                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Trichloroethene                                | 0.060   | 0.030        |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Vinyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Vinyl Bromide                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Vinyl chloride                                 | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 6:16:00 PM  |
| Surr: Bromofluorobenzene                       | 116     | 78.8-119     |      | %REC                | 1  | 3/30/2023 6:16:00 PM  |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 18 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-010A

**Client Sample ID:** IA-4 Tool Room  
**Tag Number:** 222,1163  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------------------------|---------|--------------|------|---------------------|----|-----------------------|
| <b>FIELD PARAMETERS</b>                        |         | <b>FLD</b>   |      | Analyst:            |    |                       |
| Lab Vacuum In                                  | -9      |              |      | "Hg                 |    | 3/28/2023             |
| Lab Vacuum Out                                 | -30     |              |      | "Hg                 |    | 3/28/2023             |
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| 1,1,1-Trichloroethane                          | 0.10    | 0.15         | J    | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,1,2,2-Tetrachloroethane                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,1,2-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,1-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,1-Dichloroethene                             | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,2,4-Trichlorobenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,2,4-Trimethylbenzene                         | 1.1     | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dibromoethane                              | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,2-Dichloropropane                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,3,5-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,3-butadiene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,3-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,4-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 1,4-Dioxane                                    | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 2,2,4-trimethylpentane                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| 4-ethyltoluene                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Acetone                                        | 10      | 3.0          |      | ppbV                | 10 | 3/31/2023 11:04:00 PM |
| Allyl chloride                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Benzene                                        | 0.20    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Benzyl chloride                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Bromodichloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Bromoform                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Bromomethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Carbon disulfide                               | 0.11    | 0.15         | J    | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Carbon tetrachloride                           | 0.060   | 0.030        |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Chlorobenzene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Chloroethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Chloroform                                     | 0.92    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Chloromethane                                  | 0.57    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| cis-1,2-Dichloroethene                         | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| cis-1,3-Dichloropropene                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Cyclohexane                                    | 0.10    | 0.15         | J    | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Dibromochloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Ethyl acetate                                  | 0.29    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 19 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-010A

**Client Sample ID:** IA-4 Tool Room  
**Tag Number:** 222,1163  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed         |
|------------------------------------------------|---------|--------------|------|---------------------|----|-----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                       |
| Ethylbenzene                                   | 0.14    | 0.15         | J    | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Freon 11                                       | 0.99    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Freon 113                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Freon 114                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Freon 12                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Heptane                                        | 0.52    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Hexachloro-1,3-butadiene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Hexane                                         | 0.15    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Isopropyl alcohol                              | 24      | 6.0          |      | ppbV                | 40 | 3/31/2023 11:47:00 PM |
| m&p-Xylene                                     | 0.55    | 0.30         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Methyl Butyl Ketone                            | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Methyl Ethyl Ketone                            | 0.74    | 0.30         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Methyl Isobutyl Ketone                         | 0.15    | 0.30         | J    | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Methyl tert-butyl ether                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Methylene chloride                             | 0.24    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| o-Xylene                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Propylene                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Styrene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Tetrachloroethylene                            | 0.44    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Tetrahydrofuran                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Toluene                                        | 1.2     | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| trans-1,2-Dichloroethene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| trans-1,3-Dichloropropene                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Trichloroethene                                | < 0.030 | 0.030        |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Vinyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Vinyl Bromide                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Vinyl chloride                                 | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 7:01:00 PM  |
| Surr: Bromofluorobenzene                       | 106     | 78.8-119     |      | %REC                | 1  | 3/30/2023 7:01:00 PM  |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 20 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-011A

**Client Sample ID:** IA-5 Shipping  
**Tag Number:** 86,262  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>FIELD PARAMETERS</b>                        |         | <b>FLD</b>   |      | Analyst:            |    |                      |
| Lab Vacuum In                                  | -19     |              |      | "Hg                 |    | 3/28/2023            |
| Lab Vacuum Out                                 | -30     |              |      | "Hg                 |    | 3/28/2023            |
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,1,2-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,1-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,1-Dichloroethene                             | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,2,4-Trichlorobenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,2,4-Trimethylbenzene                         | 1.2     | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dibromoethane                              | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,2-Dichloropropane                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,3-butadiene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,3-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,4-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 1,4-Dioxane                                    | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 2,2,4-trimethylpentane                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| 4-ethyltoluene                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Acetone                                        | 9.2     | 3.0          |      | ppbV                | 10 | 4/1/2023 2:38:00 AM  |
| Allyl chloride                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Benzene                                        | 0.12    | 0.15         | J    | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Benzyl chloride                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Bromodichloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Bromoform                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Bromomethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Carbon disulfide                               | 0.10    | 0.15         | J    | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Carbon tetrachloride                           | < 0.030 | 0.030        |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Chlorobenzene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Chloroethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Chloroform                                     | 0.37    | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Chloromethane                                  | 0.32    | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| cis-1,2-Dichloroethene                         | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| cis-1,3-Dichloropropene                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Cyclohexane                                    | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Dibromochloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Ethyl acetate                                  | 0.14    | 0.15         | J    | ppbV                | 1  | 3/30/2023 9:46:00 PM |

|                    |    |                                                    |    |                                                 |
|--------------------|----|----------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | .  | Results reported are not blank corrected           | B  | Analyte detected in the associated Method Blank |
|                    | DL | Detection Limit                                    | E  | Estimated Value above quantitation range        |
|                    | H  | Holding times for preparation or analysis exceeded | J  | Analyte detected below quantitation limit       |
|                    | JN | Non-routine analyte. Quantitation estimated.       | ND | Not Detected at the Limit of Detection          |
|                    | S  | Spike Recovery outside accepted recovery limits    | SC | Sub-Contracted                                  |

Page 21 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-011A

**Client Sample ID:** IA-5 Shipping  
**Tag Number:** 86,262  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Freon 11                                       | 0.67    | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Freon 113                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Freon 114                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Freon 12                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Heptane                                        | 0.19    | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Hexachloro-1,3-butadiene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Hexane                                         | 0.11    | 0.15         | J    | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Isopropyl alcohol                              | 19      | 6.0          |      | ppbV                | 40 | 4/1/2023 3:21:00 AM  |
| m&p-Xylene                                     | 0.34    | 0.30         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Methyl Butyl Ketone                            | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Methyl Ethyl Ketone                            | 0.30    | 0.30         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Methyl Isobutyl Ketone                         | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Methyl tert-butyl ether                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Methylene chloride                             | 0.29    | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| o-Xylene                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Propylene                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Styrene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Tetrachloroethylene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Tetrahydrofuran                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Toluene                                        | 0.88    | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| trans-1,2-Dichloroethene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| trans-1,3-Dichloropropene                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Trichloroethene                                | < 0.030 | 0.030        |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Vinyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Vinyl Bromide                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Vinyl chloride                                 | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 9:46:00 PM |
| Surr: Bromofluorobenzene                       | 123     | 78.8-119     | S    | %REC                | 1  | 3/30/2023 9:46:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 22 of 26

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-012A

**Client Sample ID:** IA-6  
**Tag Number:** 357,295  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>FIELD PARAMETERS</b>                        |         | <b>FLD</b>   |      | Analyst:            |    |                      |
| Lab Vacuum In                                  | -8      |              |      | "Hg                 |    | 3/28/2023            |
| Lab Vacuum Out                                 | -30     |              |      | "Hg                 |    | 3/28/2023            |
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,1,2-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,1-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,1-Dichloroethene                             | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,2,4-Trichlorobenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dibromoethane                              | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,2-Dichloropropane                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,3-butadiene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,3-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,4-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 1,4-Dioxane                                    | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 2,2,4-trimethylpentane                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| 4-ethyltoluene                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Acetone                                        | 8.4     | 3.0          |      | ppbV                | 10 | 4/1/2023 12:30:00 AM |
| Allyl chloride                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Benzene                                        | 0.21    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Benzyl chloride                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Bromodichloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Bromoform                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Bromomethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Carbon disulfide                               | 0.11    | 0.15         | J    | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Carbon tetrachloride                           | 0.060   | 0.030        |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Chlorobenzene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Chloroethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Chloroform                                     | 1.4     | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Chloromethane                                  | 0.58    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| cis-1,2-Dichloroethene                         | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| cis-1,3-Dichloropropene                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Cyclohexane                                    | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Dibromochloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Ethyl acetate                                  | 0.24    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-012A

**Client Sample ID:** IA-6  
**Tag Number:** 357,295  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Freon 11                                       | 0.92    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Freon 113                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Freon 114                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Freon 12                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Heptane                                        | 0.47    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Hexachloro-1,3-butadiene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Hexane                                         | 0.14    | 0.15         | J    | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Isopropyl alcohol                              | 18      | 6.0          |      | ppbV                | 40 | 4/1/2023 1:12:00 AM  |
| m&p-Xylene                                     | 0.50    | 0.30         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Methyl Butyl Ketone                            | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Methyl Ethyl Ketone                            | 0.47    | 0.30         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Methyl Isobutyl Ketone                         | 0.13    | 0.30         | J    | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Methyl tert-butyl ether                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Methylene chloride                             | 0.21    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| o-Xylene                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Propylene                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Styrene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Tetrachloroethylene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Tetrahydrofuran                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Toluene                                        | 0.97    | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| trans-1,2-Dichloroethene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| trans-1,3-Dichloropropene                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Trichloroethene                                | < 0.030 | 0.030        |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Vinyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Vinyl Bromide                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Vinyl chloride                                 | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 7:46:00 PM |
| Surr: Bromofluorobenzene                       | 91.0    | 78.8-119     |      | %REC                | 1  | 3/30/2023 7:46:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Page 24 of 26



# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-013A

**Client Sample ID:** OA-1  
**Tag Number:** 1185,266  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>FIELD PARAMETERS</b>                        |         | <b>FLD</b>   |      | Analyst:            |    |                      |
| Lab Vacuum In                                  | -7      |              |      | "Hg                 |    | 3/28/2023            |
| Lab Vacuum Out                                 | -30     |              |      | "Hg                 |    | 3/28/2023            |
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| 1,1,1-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,1,2,2-Tetrachloroethane                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,1,2-Trichloroethane                          | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,1-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,1-Dichloroethene                             | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,2,4-Trichlorobenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,2,4-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dibromoethane                              | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dichloroethane                             | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,2-Dichloropropane                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,3,5-Trimethylbenzene                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,3-butadiene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,3-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,4-Dichlorobenzene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 1,4-Dioxane                                    | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 2,2,4-trimethylpentane                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| 4-ethyltoluene                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Acetone                                        | 4.7     | 1.5          |      | ppbV                | 5  | 4/1/2023 1:54:00 AM  |
| Allyl chloride                                 | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Benzene                                        | 0.10    | 0.15         | J    | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Benzyl chloride                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Bromodichloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Bromoform                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Bromomethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Carbon disulfide                               | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Carbon tetrachloride                           | < 0.030 | 0.030        |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Chlorobenzene                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Chloroethane                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Chloroform                                     | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Chloromethane                                  | 0.45    | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| cis-1,2-Dichloroethene                         | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| cis-1,3-Dichloropropene                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Cyclohexane                                    | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Dibromochloromethane                           | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Ethyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

# Centek/SanAir Technologies Laboratory

Date: 04-Apr-23

**CLIENT:** Benchmark Environmental Engineering & S  
**Lab Order:** C2303060  
**Project:** 293 Patriot Way  
**Lab ID:** C2303060-013A

**Client Sample ID:** OA-1  
**Tag Number:** 1185,266  
**Collection Date:** 3/24/2023  
**Matrix:** AIR

| Analyses                                       | Result  | DL           | Qual | Units               | DF | Date Analyzed        |
|------------------------------------------------|---------|--------------|------|---------------------|----|----------------------|
| <b>1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE</b> |         | <b>TO-15</b> |      | Analyst: <b>RJP</b> |    |                      |
| Ethylbenzene                                   | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Freon 11                                       | 0.21    | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Freon 113                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Freon 114                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Freon 12                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Heptane                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Hexachloro-1,3-butadiene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Hexane                                         | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Isopropyl alcohol                              | 0.38    | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| m&p-Xylene                                     | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Methyl Butyl Ketone                            | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Methyl Ethyl Ketone                            | 0.18    | 0.30         | J    | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Methyl Isobutyl Ketone                         | < 0.30  | 0.30         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Methyl tert-butyl ether                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Methylene chloride                             | 0.20    | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| o-Xylene                                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Propylene                                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Styrene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Tetrachloroethylene                            | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Tetrahydrofuran                                | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Toluene                                        | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| trans-1,2-Dichloroethene                       | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| trans-1,3-Dichloropropene                      | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Trichloroethene                                | < 0.030 | 0.030        |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Vinyl acetate                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Vinyl Bromide                                  | < 0.15  | 0.15         |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Vinyl chloride                                 | < 0.040 | 0.040        |      | ppbV                | 1  | 3/30/2023 8:31:00 PM |
| Surr: Bromofluorobenzene                       | 96.0    | 78.8-119     |      | %REC                | 1  | 3/30/2023 8:31:00 PM |

**Qualifiers:**  
 . Results reported are not blank corrected  
 DL Detection Limit  
 H Holding times for preparation or analysis exceeded  
 JN Non-routine analyte. Quantitation estimated.  
 S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
 E Estimated Value above quantitation range  
 J Analyte detected below quantitation limit  
 ND Not Detected at the Limit of Detection  
 SC Sub-Contracted

Attachment 4  
TCLP & Total VOC  
Soil Laboratory Analytical Data



## ANALYTICAL REPORT

|                 |                                                                                          |
|-----------------|------------------------------------------------------------------------------------------|
| Lab Number:     | L2316415                                                                                 |
| Client:         | Benchmark & Turnkey Companies<br>2558 Hamburg Turnpike<br>Suite 300<br>Buffalo, NY 14218 |
| ATTN:           | Tom Forbes                                                                               |
| Phone:          | (716) 856-0599                                                                           |
| Project Name:   | 293 PATRIOT WAY                                                                          |
| Project Number: | 0127-023-001                                                                             |
| Report Date:    | 04/05/23                                                                                 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

---

Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2316415-01                | WC-1             | SOIL          | ROCHESTER, NY              | 03/27/23 12:00                  | 03/29/23            |
| L2316415-02                | VOC-1 14-16FT    | SOIL          | ROCHESTER, NY              | 03/27/23 12:05                  | 03/29/23            |
| L2316415-03                | VOC-2 14-16FT    | SOIL          | ROCHESTER, NY              | 03/27/23 14:00                  | 03/29/23            |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

---

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

L2316415-01: The sample was received in an inappropriate container for the TCLP Volatiles analysis.

L2316415-01, -02, and -03: The sample was received in an inappropriate container for the Volatile Organics analysis. Aliquots were taken from an unpreserved container and preserved appropriately.

#### TCLP Semivolatiles

The WG1761735-2 LCS recovery, associated with L2316415-01, is below the acceptance criteria for pyridine (7%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported. The LCS/LCSD RPD is above the acceptance criteria for pyridine (78%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 04/05/23

# ORGANICS



# VOLATILES

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**SAMPLE RESULTS**

**Lab ID:** L2316415-01  
**Client ID:** WC-1  
**Sample Location:** ROCHESTER, NY

**Date Collected:** 03/27/23 12:00  
**Date Received:** 03/29/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 04/03/23 13:25  
**Analyst:** MCM  
**Percent Solids:** 90%  
**TCLP/SPLP Ext. Date:** 03/31/23 09:20

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| TCLP Volatiles by EPA 1311 - Westborough Lab |        |           |       |     |      |                 |
| Chloroform                                   | ND     |           | ug/l  | 7.5 | 2.2  | 10              |
| Carbon tetrachloride                         | ND     |           | ug/l  | 5.0 | 1.3  | 10              |
| Tetrachloroethene                            | ND     |           | ug/l  | 5.0 | 1.8  | 10              |
| Chlorobenzene                                | ND     |           | ug/l  | 5.0 | 1.8  | 10              |
| 1,2-Dichloroethane                           | ND     |           | ug/l  | 5.0 | 1.3  | 10              |
| Benzene                                      | ND     |           | ug/l  | 5.0 | 1.6  | 10              |
| Vinyl chloride                               | ND     |           | ug/l  | 10  | 0.71 | 10              |
| 1,1-Dichloroethene                           | ND     |           | ug/l  | 5.0 | 1.7  | 10              |
| Trichloroethene                              | ND     |           | ug/l  | 5.0 | 1.8  | 10              |
| 1,4-Dichlorobenzene                          | ND     |           | ug/l  | 25  | 1.9  | 10              |
| 2-Butanone                                   | ND     |           | ug/l  | 50  | 19.  | 10              |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 106        |           | 70-130              |
| dibromofluoromethane  | 112        |           | 70-130              |

**Project Name:** 293 PATRIOT WAY**Lab Number:** L2316415**Project Number:** 0127-023-001**Report Date:** 04/05/23**SAMPLE RESULTS**

Lab ID: L2316415-01  
 Client ID: WC-1  
 Sample Location: ROCHESTER, NY

Date Collected: 03/27/23 12:00  
 Date Received: 03/29/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 03/31/23 21:14  
 Analyst: JIC  
 Percent Solids: 90%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.3  | 2.4  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.0  | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.0  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.53 | 0.21 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.53 | 0.13 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.2  | 0.73 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.27 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.53 | 0.11 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.0  | 0.29 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.2  | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.57 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.2  | 0.98 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.1  | 0.61 | 1               |
| Vinyl chloride                               | 4.1    |           | ug/kg | 1.0  | 0.35 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.1  | 0.48 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.0  | 0.25 | 1               |
| trans-1,2-Dichloroethene                     | 0.74   | J         | ug/kg | 1.6  | 0.14 | 1               |
| Trichloroethene                              | 10     |           | ug/kg | 0.53 | 0.14 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.1  | 0.15 | 1               |

Project Name: 293 PATRIOT WAY

Lab Number: L2316415

Project Number: 0127-023-001

Report Date: 04/05/23

## SAMPLE RESULTS

Lab ID: L2316415-01

Date Collected: 03/27/23 12:00

Client ID: WC-1

Date Received: 03/29/23

Sample Location: ROCHESTER, NY

Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.18 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.1 | 0.21 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.1 | 0.59 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | 39     |           | ug/kg | 1.0 | 0.18 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.21 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.96 | 1               |
| Acetone                                      | 15     |           | ug/kg | 10  | 5.1  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.8  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 10  | 2.3  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 10  | 1.3  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 10  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.1 | 0.22 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.0 | 0.29 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.2 | 1.0  | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.0 | 0.11 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.34 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.29 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.2 | 1.0  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 10  | 0.57 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 84  | 37.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.2 | 0.73 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.2 | 0.63 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 94         |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**SAMPLE RESULTS**

**Lab ID:** L2316415-02  
**Client ID:** VOC-1 14-16FT  
**Sample Location:** ROCHESTER, NY

**Date Collected:** 03/27/23 12:05  
**Date Received:** 03/29/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8260D  
**Analytical Date:** 03/31/23 21:34  
**Analyst:** JIC  
**Percent Solids:** 90%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.5  | 2.5  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.16 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.1  | 0.25 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.1  | 0.14 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.1  | 0.29 | 1               |
| Tetrachloroethene                            | 6.8    |           | ug/kg | 0.55 | 0.22 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.55 | 0.14 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.4  | 0.76 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.1  | 0.28 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.55 | 0.12 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.1  | 0.30 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.55 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.4  | 0.27 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.55 | 0.18 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.1  | 0.60 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.1  | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.4  | 1.0  | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.2  | 0.64 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.1  | 0.37 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.2  | 0.50 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.1  | 0.26 | 1               |
| trans-1,2-Dichloroethene                     | 0.38   | J         | ug/kg | 1.6  | 0.15 | 1               |
| Trichloroethene                              | 35     |           | ug/kg | 0.55 | 0.15 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.2  | 0.16 | 1               |

Project Name: 293 PATRIOT WAY

Lab Number: L2316415

Project Number: 0127-023-001

Report Date: 04/05/23

## SAMPLE RESULTS

Lab ID: L2316415-02  
 Client ID: VOC-1 14-16FT  
 Sample Location: ROCHESTER, NY

Date Collected: 03/27/23 12:05  
 Date Received: 03/29/23  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.2 | 0.19 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.2 | 0.61 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.1 | 0.32 | 1               |
| cis-1,2-Dichloroethene                       | 11     |           | ug/kg | 1.1 | 0.19 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.1 | 0.22 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 11  | 1.0  | 1               |
| Acetone                                      | ND     |           | ug/kg | 11  | 5.3  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 11  | 5.0  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 11  | 2.4  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 11  | 1.4  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 11  | 1.3  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.2 | 0.22 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.1 | 0.31 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.3 | 1.1  | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.1 | 0.12 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.35 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.2 | 0.30 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.4 | 1.0  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 11  | 0.60 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 88  | 38.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.4 | 0.76 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.4 | 0.66 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104        |           | 70-130              |
| Toluene-d8            | 94         |           | 70-130              |
| 4-Bromofluorobenzene  | 96         |           | 70-130              |
| Dibromofluoromethane  | 104        |           | 70-130              |

**Project Name:** 293 PATRIOT WAY**Lab Number:** L2316415**Project Number:** 0127-023-001**Report Date:** 04/05/23**SAMPLE RESULTS**

Lab ID: L2316415-03  
 Client ID: VOC-2 14-16FT  
 Sample Location: ROCHESTER, NY

Date Collected: 03/27/23 14:00  
 Date Received: 03/29/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 03/31/23 21:54  
 Analyst: JIC  
 Percent Solids: 90%

| Parameter                                    | Result | Qualifier | Units | RL   | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|------|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |      |      |                 |
| Methylene chloride                           | ND     |           | ug/kg | 5.3  | 2.4  | 1               |
| 1,1-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloroform                                   | ND     |           | ug/kg | 1.6  | 0.15 | 1               |
| Carbon tetrachloride                         | ND     |           | ug/kg | 1.0  | 0.24 | 1               |
| 1,2-Dichloropropane                          | ND     |           | ug/kg | 1.0  | 0.13 | 1               |
| Dibromochloromethane                         | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| 1,1,2-Trichloroethane                        | ND     |           | ug/kg | 1.0  | 0.28 | 1               |
| Tetrachloroethene                            | ND     |           | ug/kg | 0.53 | 0.21 | 1               |
| Chlorobenzene                                | ND     |           | ug/kg | 0.53 | 0.13 | 1               |
| Trichlorofluoromethane                       | ND     |           | ug/kg | 4.2  | 0.73 | 1               |
| 1,2-Dichloroethane                           | ND     |           | ug/kg | 1.0  | 0.27 | 1               |
| 1,1,1-Trichloroethane                        | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Bromodichloromethane                         | ND     |           | ug/kg | 0.53 | 0.12 | 1               |
| trans-1,3-Dichloropropene                    | ND     |           | ug/kg | 1.0  | 0.29 | 1               |
| cis-1,3-Dichloropropene                      | ND     |           | ug/kg | 0.53 | 0.17 | 1               |
| Bromoform                                    | ND     |           | ug/kg | 4.2  | 0.26 | 1               |
| 1,1,2,2-Tetrachloroethane                    | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Benzene                                      | ND     |           | ug/kg | 0.53 | 0.18 | 1               |
| Toluene                                      | ND     |           | ug/kg | 1.0  | 0.57 | 1               |
| Ethylbenzene                                 | ND     |           | ug/kg | 1.0  | 0.15 | 1               |
| Chloromethane                                | ND     |           | ug/kg | 4.2  | 0.98 | 1               |
| Bromomethane                                 | ND     |           | ug/kg | 2.1  | 0.61 | 1               |
| Vinyl chloride                               | ND     |           | ug/kg | 1.0  | 0.35 | 1               |
| Chloroethane                                 | ND     |           | ug/kg | 2.1  | 0.48 | 1               |
| 1,1-Dichloroethene                           | ND     |           | ug/kg | 1.0  | 0.25 | 1               |
| trans-1,2-Dichloroethene                     | ND     |           | ug/kg | 1.6  | 0.14 | 1               |
| Trichloroethene                              | ND     |           | ug/kg | 0.53 | 0.14 | 1               |
| 1,2-Dichlorobenzene                          | ND     |           | ug/kg | 2.1  | 0.15 | 1               |

Project Name: 293 PATRIOT WAY

Lab Number: L2316415

Project Number: 0127-023-001

Report Date: 04/05/23

## SAMPLE RESULTS

Lab ID: L2316415-03  
 Client ID: VOC-2 14-16FT  
 Sample Location: ROCHESTER, NY

Date Collected: 03/27/23 14:00  
 Date Received: 03/29/23  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                    | Result | Qualifier | Units | RL  | MDL  | Dilution Factor |
|----------------------------------------------|--------|-----------|-------|-----|------|-----------------|
| Volatile Organics by GC/MS - Westborough Lab |        |           |       |     |      |                 |
| 1,3-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.16 | 1               |
| 1,4-Dichlorobenzene                          | ND     |           | ug/kg | 2.1 | 0.18 | 1               |
| Methyl tert butyl ether                      | ND     |           | ug/kg | 2.1 | 0.21 | 1               |
| p/m-Xylene                                   | ND     |           | ug/kg | 2.1 | 0.59 | 1               |
| o-Xylene                                     | ND     |           | ug/kg | 1.0 | 0.31 | 1               |
| cis-1,2-Dichloroethene                       | ND     |           | ug/kg | 1.0 | 0.18 | 1               |
| Styrene                                      | ND     |           | ug/kg | 1.0 | 0.21 | 1               |
| Dichlorodifluoromethane                      | ND     |           | ug/kg | 10  | 0.97 | 1               |
| Acetone                                      | 5.3    | J         | ug/kg | 10  | 5.1  | 1               |
| Carbon disulfide                             | ND     |           | ug/kg | 10  | 4.8  | 1               |
| 2-Butanone                                   | ND     |           | ug/kg | 10  | 2.3  | 1               |
| 4-Methyl-2-pentanone                         | ND     |           | ug/kg | 10  | 1.4  | 1               |
| 2-Hexanone                                   | ND     |           | ug/kg | 10  | 1.2  | 1               |
| Bromochloromethane                           | ND     |           | ug/kg | 2.1 | 0.22 | 1               |
| 1,2-Dibromoethane                            | ND     |           | ug/kg | 1.0 | 0.30 | 1               |
| 1,2-Dibromo-3-chloropropane                  | ND     |           | ug/kg | 3.2 | 1.0  | 1               |
| Isopropylbenzene                             | ND     |           | ug/kg | 1.0 | 0.12 | 1               |
| 1,2,3-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.34 | 1               |
| 1,2,4-Trichlorobenzene                       | ND     |           | ug/kg | 2.1 | 0.29 | 1               |
| Methyl Acetate                               | ND     |           | ug/kg | 4.2 | 1.0  | 1               |
| Cyclohexane                                  | ND     |           | ug/kg | 10  | 0.58 | 1               |
| 1,4-Dioxane                                  | ND     |           | ug/kg | 84  | 37.  | 1               |
| Freon-113                                    | ND     |           | ug/kg | 4.2 | 0.73 | 1               |
| Methyl cyclohexane                           | ND     |           | ug/kg | 4.2 | 0.64 | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 93         |           | 70-130              |
| 4-Bromofluorobenzene  | 95         |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |



**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
 Analytical Date: 03/31/23 17:57  
 Analyst: LAC

| Parameter                                                                            | Result | Qualifier | Units | RL   | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|------|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1762126-5 |        |           |       |      |      |
| Methylene chloride                                                                   | ND     |           | ug/kg | 5.0  | 2.3  |
| 1,1-Dichloroethane                                                                   | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloroform                                                                           | ND     |           | ug/kg | 1.5  | 0.14 |
| Carbon tetrachloride                                                                 | ND     |           | ug/kg | 1.0  | 0.23 |
| 1,2-Dichloropropane                                                                  | ND     |           | ug/kg | 1.0  | 0.12 |
| Dibromochloromethane                                                                 | ND     |           | ug/kg | 1.0  | 0.14 |
| 1,1,2-Trichloroethane                                                                | ND     |           | ug/kg | 1.0  | 0.27 |
| Tetrachloroethene                                                                    | ND     |           | ug/kg | 0.50 | 0.20 |
| Chlorobenzene                                                                        | ND     |           | ug/kg | 0.50 | 0.13 |
| Trichlorofluoromethane                                                               | ND     |           | ug/kg | 4.0  | 0.70 |
| 1,2-Dichloroethane                                                                   | ND     |           | ug/kg | 1.0  | 0.26 |
| 1,1,1-Trichloroethane                                                                | ND     |           | ug/kg | 0.50 | 0.17 |
| Bromodichloromethane                                                                 | ND     |           | ug/kg | 0.50 | 0.11 |
| trans-1,3-Dichloropropene                                                            | ND     |           | ug/kg | 1.0  | 0.27 |
| cis-1,3-Dichloropropene                                                              | ND     |           | ug/kg | 0.50 | 0.16 |
| Bromoform                                                                            | ND     |           | ug/kg | 4.0  | 0.25 |
| 1,1,1,2-Tetrachloroethane                                                            | ND     |           | ug/kg | 0.50 | 0.17 |
| Benzene                                                                              | ND     |           | ug/kg | 0.50 | 0.17 |
| Toluene                                                                              | ND     |           | ug/kg | 1.0  | 0.54 |
| Ethylbenzene                                                                         | ND     |           | ug/kg | 1.0  | 0.14 |
| Chloromethane                                                                        | ND     |           | ug/kg | 4.0  | 0.93 |
| Bromomethane                                                                         | ND     |           | ug/kg | 2.0  | 0.58 |
| Vinyl chloride                                                                       | ND     |           | ug/kg | 1.0  | 0.34 |
| Chloroethane                                                                         | ND     |           | ug/kg | 2.0  | 0.45 |
| 1,1-Dichloroethene                                                                   | ND     |           | ug/kg | 1.0  | 0.24 |
| trans-1,2-Dichloroethene                                                             | ND     |           | ug/kg | 1.5  | 0.14 |
| Trichloroethene                                                                      | ND     |           | ug/kg | 0.50 | 0.14 |
| 1,2-Dichlorobenzene                                                                  | ND     |           | ug/kg | 2.0  | 0.14 |
| 1,3-Dichlorobenzene                                                                  | ND     |           | ug/kg | 2.0  | 0.15 |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
 Analytical Date: 03/31/23 17:57  
 Analyst: LAC

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL  |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1762126-5 |        |           |       |     |      |
| 1,4-Dichlorobenzene                                                                  | ND     |           | ug/kg | 2.0 | 0.17 |
| Methyl tert butyl ether                                                              | ND     |           | ug/kg | 2.0 | 0.20 |
| p/m-Xylene                                                                           | ND     |           | ug/kg | 2.0 | 0.56 |
| o-Xylene                                                                             | ND     |           | ug/kg | 1.0 | 0.29 |
| cis-1,2-Dichloroethene                                                               | ND     |           | ug/kg | 1.0 | 0.18 |
| Styrene                                                                              | ND     |           | ug/kg | 1.0 | 0.20 |
| Dichlorodifluoromethane                                                              | ND     |           | ug/kg | 10  | 0.92 |
| Acetone                                                                              | ND     |           | ug/kg | 10  | 4.8  |
| Carbon disulfide                                                                     | ND     |           | ug/kg | 10  | 4.6  |
| 2-Butanone                                                                           | ND     |           | ug/kg | 10  | 2.2  |
| 4-Methyl-2-pentanone                                                                 | ND     |           | ug/kg | 10  | 1.3  |
| 2-Hexanone                                                                           | ND     |           | ug/kg | 10  | 1.2  |
| Bromochloromethane                                                                   | ND     |           | ug/kg | 2.0 | 0.20 |
| 1,2-Dibromoethane                                                                    | ND     |           | ug/kg | 1.0 | 0.28 |
| 1,2-Dibromo-3-chloropropane                                                          | ND     |           | ug/kg | 3.0 | 1.0  |
| Isopropylbenzene                                                                     | ND     |           | ug/kg | 1.0 | 0.11 |
| 1,2,3-Trichlorobenzene                                                               | ND     |           | ug/kg | 2.0 | 0.32 |
| 1,2,4-Trichlorobenzene                                                               | ND     |           | ug/kg | 2.0 | 0.27 |
| Methyl Acetate                                                                       | 2.1    | J         | ug/kg | 4.0 | 0.95 |
| Cyclohexane                                                                          | ND     |           | ug/kg | 10  | 0.54 |
| 1,4-Dioxane                                                                          | ND     |           | ug/kg | 80  | 35.  |
| Freon-113                                                                            | ND     |           | ug/kg | 4.0 | 0.69 |
| Methyl cyclohexane                                                                   | ND     |           | ug/kg | 4.0 | 0.60 |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 03/31/23 17:57  
Analyst: LAC

| Parameter                                                                            | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1762126-5 |        |           |       |    |     |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 103       |           | 70-130                 |
| Toluene-d8            | 95        |           | 70-130                 |
| 4-Bromofluorobenzene  | 96        |           | 70-130                 |
| Dibromofluoromethane  | 105       |           | 70-130                 |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260D  
 Analytical Date: 04/03/23 12:16  
 Analyst: MCM  
 TCLP/SPLP Extraction Date: 03/31/23 09:20

Extraction Date: 03/31/23 09:20

| Parameter                                                                         | Result | Qualifier | Units | RL  | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-----|------|
| TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1762359-5 |        |           |       |     |      |
| Chloroform                                                                        | ND     |           | ug/l  | 7.5 | 2.2  |
| Carbon tetrachloride                                                              | ND     |           | ug/l  | 5.0 | 1.3  |
| Tetrachloroethene                                                                 | ND     |           | ug/l  | 5.0 | 1.8  |
| Chlorobenzene                                                                     | ND     |           | ug/l  | 5.0 | 1.8  |
| 1,2-Dichloroethane                                                                | ND     |           | ug/l  | 5.0 | 1.3  |
| Benzene                                                                           | ND     |           | ug/l  | 5.0 | 1.6  |
| Vinyl chloride                                                                    | ND     |           | ug/l  | 10  | 0.71 |
| 1,1-Dichloroethene                                                                | ND     |           | ug/l  | 5.0 | 1.7  |
| Trichloroethene                                                                   | ND     |           | ug/l  | 5.0 | 1.8  |
| 1,4-Dichlorobenzene                                                               | ND     |           | ug/l  | 25  | 1.9  |
| 2-Butanone                                                                        | ND     |           | ug/l  | 50  | 19.  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 106       |           | 70-130                 |
| Toluene-d8            | 97        |           | 70-130                 |
| 4-Bromofluorobenzene  | 100       |           | 70-130                 |
| dibromofluoromethane  | 114       |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** 293 PATRIOT WAY

**Project Number:** 0127-023-001

**Lab Number:** L2316415

**Report Date:** 04/05/23

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1762126-3 WG1762126-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                      | 97               |      | 101               |      | 70-130              | 4   |      | 30            |
| 1,1-Dichloroethane                                                                                      | 102              |      | 106               |      | 70-130              | 4   |      | 30            |
| Chloroform                                                                                              | 105              |      | 113               |      | 70-130              | 7   |      | 30            |
| Carbon tetrachloride                                                                                    | 94               |      | 101               |      | 70-130              | 7   |      | 30            |
| 1,2-Dichloropropane                                                                                     | 108              |      | 115               |      | 70-130              | 6   |      | 30            |
| Dibromochloromethane                                                                                    | 108              |      | 112               |      | 70-130              | 4   |      | 30            |
| 1,1,2-Trichloroethane                                                                                   | 103              |      | 111               |      | 70-130              | 7   |      | 30            |
| Tetrachloroethene                                                                                       | 98               |      | 103               |      | 70-130              | 5   |      | 30            |
| Chlorobenzene                                                                                           | 102              |      | 107               |      | 70-130              | 5   |      | 30            |
| Trichlorofluoromethane                                                                                  | 96               |      | 104               |      | 70-139              | 8   |      | 30            |
| 1,2-Dichloroethane                                                                                      | 108              |      | 116               |      | 70-130              | 7   |      | 30            |
| 1,1,1-Trichloroethane                                                                                   | 103              |      | 109               |      | 70-130              | 6   |      | 30            |
| Bromodichloromethane                                                                                    | 109              |      | 117               |      | 70-130              | 7   |      | 30            |
| trans-1,3-Dichloropropene                                                                               | 101              |      | 107               |      | 70-130              | 6   |      | 30            |
| cis-1,3-Dichloropropene                                                                                 | 109              |      | 117               |      | 70-130              | 7   |      | 30            |
| Bromoform                                                                                               | 100              |      | 104               |      | 70-130              | 4   |      | 30            |
| 1,1,2,2-Tetrachloroethane                                                                               | 92               |      | 99                |      | 70-130              | 7   |      | 30            |
| Benzene                                                                                                 | 104              |      | 110               |      | 70-130              | 6   |      | 30            |
| Toluene                                                                                                 | 92               |      | 98                |      | 70-130              | 6   |      | 30            |
| Ethylbenzene                                                                                            | 95               |      | 100               |      | 70-130              | 5   |      | 30            |
| Chloromethane                                                                                           | 95               |      | 100               |      | 52-130              | 5   |      | 30            |
| Bromomethane                                                                                            | 92               |      | 98                |      | 57-147              | 6   |      | 30            |
| Vinyl chloride                                                                                          | 93               |      | 97                |      | 67-130              | 4   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: 0127-023-001

Lab Number: L2316415

Report Date: 04/05/23

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1762126-3 WG1762126-4 |                  |      |                   |      |                     |     |      |               |
| Chloroethane                                                                                            | 93               |      | 100               |      | 50-151              | 7   |      | 30            |
| 1,1-Dichloroethene                                                                                      | 94               |      | 100               |      | 65-135              | 6   |      | 30            |
| trans-1,2-Dichloroethene                                                                                | 100              |      | 108               |      | 70-130              | 8   |      | 30            |
| Trichloroethene                                                                                         | 103              |      | 110               |      | 70-130              | 7   |      | 30            |
| 1,2-Dichlorobenzene                                                                                     | 100              |      | 106               |      | 70-130              | 6   |      | 30            |
| 1,3-Dichlorobenzene                                                                                     | 96               |      | 102               |      | 70-130              | 6   |      | 30            |
| 1,4-Dichlorobenzene                                                                                     | 96               |      | 101               |      | 70-130              | 5   |      | 30            |
| Methyl tert butyl ether                                                                                 | 112              |      | 121               |      | 66-130              | 8   |      | 30            |
| p/m-Xylene                                                                                              | 98               |      | 104               |      | 70-130              | 6   |      | 30            |
| o-Xylene                                                                                                | 102              |      | 108               |      | 70-130              | 6   |      | 30            |
| cis-1,2-Dichloroethene                                                                                  | 105              |      | 111               |      | 70-130              | 6   |      | 30            |
| Styrene                                                                                                 | 103              |      | 108               |      | 70-130              | 5   |      | 30            |
| Dichlorodifluoromethane                                                                                 | 90               |      | 95                |      | 30-146              | 5   |      | 30            |
| Acetone                                                                                                 | 120              |      | 130               |      | 54-140              | 8   |      | 30            |
| Carbon disulfide                                                                                        | 95               |      | 101               |      | 59-130              | 6   |      | 30            |
| 2-Butanone                                                                                              | 91               |      | 99                |      | 70-130              | 8   |      | 30            |
| 4-Methyl-2-pentanone                                                                                    | 91               |      | 98                |      | 70-130              | 7   |      | 30            |
| 2-Hexanone                                                                                              | 85               |      | 93                |      | 70-130              | 9   |      | 30            |
| Bromochloromethane                                                                                      | 115              |      | 121               |      | 70-130              | 5   |      | 30            |
| 1,2-Dibromoethane                                                                                       | 106              |      | 112               |      | 70-130              | 6   |      | 30            |
| 1,2-Dibromo-3-chloropropane                                                                             | 88               |      | 96                |      | 68-130              | 9   |      | 30            |
| Isopropylbenzene                                                                                        | 91               |      | 96                |      | 70-130              | 5   |      | 30            |
| 1,2,3-Trichlorobenzene                                                                                  | 97               |      | 105               |      | 70-130              | 8   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 293 PATRIOT WAY

**Project Number:** 0127-023-001

**Lab Number:** L2316415

**Report Date:** 04/05/23

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1762126-3 WG1762126-4 |                  |      |                   |      |                     |     |      |               |
| 1,2,4-Trichlorobenzene                                                                                  | 94               |      | 103               |      | 70-130              | 9   |      | 30            |
| Methyl Acetate                                                                                          | 91               |      | 101               |      | 51-146              | 10  |      | 30            |
| Cyclohexane                                                                                             | 92               |      | 97                |      | 59-142              | 5   |      | 30            |
| 1,4-Dioxane                                                                                             | 85               |      | 88                |      | 65-136              | 3   |      | 30            |
| Freon-113                                                                                               | 96               |      | 101               |      | 50-139              | 5   |      | 30            |
| Methyl cyclohexane                                                                                      | 93               |      | 99                |      | 70-130              | 6   |      | 30            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 101              |      | 103               |      | 70-130                 |
| Toluene-d8            | 95               |      | 95                |      | 70-130                 |
| 4-Bromofluorobenzene  | 97               |      | 96                |      | 70-130                 |
| Dibromofluoromethane  | 104              |      | 103               |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: 0127-023-001

Lab Number: L2316415

Report Date: 04/05/23

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1762359-3 WG1762359-4 |                  |      |                   |      |                     |     |      |               |
| Chloroform                                                                                           | 90               |      | 94                |      | 70-130              | 4   |      | 20            |
| Carbon tetrachloride                                                                                 | 92               |      | 95                |      | 63-132              | 3   |      | 20            |
| Tetrachloroethene                                                                                    | 89               |      | 87                |      | 70-130              | 2   |      | 20            |
| Chlorobenzene                                                                                        | 92               |      | 93                |      | 75-130              | 1   |      | 25            |
| 1,2-Dichloroethane                                                                                   | 89               |      | 96                |      | 70-130              | 8   |      | 20            |
| Benzene                                                                                              | 92               |      | 93                |      | 70-130              | 1   |      | 25            |
| Vinyl chloride                                                                                       | 86               |      | 88                |      | 55-140              | 2   |      | 20            |
| 1,1-Dichloroethene                                                                                   | 89               |      | 94                |      | 61-145              | 5   |      | 25            |
| Trichloroethene                                                                                      | 92               |      | 94                |      | 70-130              | 2   |      | 25            |
| 1,4-Dichlorobenzene                                                                                  | 92               |      | 91                |      | 70-130              | 1   |      | 20            |
| 2-Butanone                                                                                           | 84               |      | 85                |      | 63-138              | 1   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 98               |      | 106               |      | 70-130                 |
| Toluene-d8            | 100              |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 100              |      | 98                |      | 70-130                 |
| dibromofluoromethane  | 98               |      | 103               |      | 70-130                 |



# SEMIVOLATILES

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**SAMPLE RESULTS**

**Lab ID:** L2316415-01  
**Client ID:** WC-1  
**Sample Location:** ROCHESTER, NY

**Date Collected:** 03/27/23 12:00  
**Date Received:** 03/29/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 04/03/23 04:06  
**Analyst:** CMM  
**Percent Solids:** 90%  
**TCLP/SPLP Ext. Date:** 03/30/23 05:24

**Extraction Method:** EPA 3510C  
**Extraction Date:** 04/02/23 07:39

| Parameter                                        | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| TCLP Semivolatiles by EPA 1311 - Westborough Lab |        |           |       |    |     |                 |
| Hexachlorobenzene                                | ND     |           | ug/l  | 10 | 3.4 | 1               |
| 2,4-Dinitrotoluene                               | ND     |           | ug/l  | 25 | 1.9 | 1               |
| Hexachlorobutadiene                              | ND     |           | ug/l  | 10 | 3.0 | 1               |
| Hexachloroethane                                 | ND     |           | ug/l  | 10 | 2.2 | 1               |
| Nitrobenzene                                     | ND     |           | ug/l  | 10 | 3.3 | 1               |
| 2,4,6-Trichlorophenol                            | ND     |           | ug/l  | 25 | 2.5 | 1               |
| Pentachlorophenol                                | ND     |           | ug/l  | 50 | 9.8 | 1               |
| 2-Methylphenol                                   | ND     |           | ug/l  | 25 | 5.5 | 1               |
| 3-Methylphenol/4-Methylphenol                    | ND     |           | ug/l  | 25 | 2.8 | 1               |
| 2,4,5-Trichlorophenol                            | ND     |           | ug/l  | 25 | 1.9 | 1               |
| Pyridine                                         | ND     |           | ug/l  | 18 | 4.5 | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 45         |           | 21-120              |
| Phenol-d6            | 44         |           | 10-120              |
| Nitrobenzene-d5      | 46         |           | 23-120              |
| 2-Fluorobiphenyl     | 53         |           | 15-120              |
| 2,4,6-Tribromophenol | 51         |           | 10-120              |
| 4-Terphenyl-d14      | 56         |           | 33-120              |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270E  
 Analytical Date: 04/02/23 18:19  
 Analyst: CMM  
 TCLP/SPLP Extraction Date: 03/30/23 05:24

Extraction Method: EPA 3510C  
 Extraction Date: 04/02/23 07:39

| Parameter                                                                             | Result | Qualifier | Units | RL | MDL |
|---------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1761735-1 |        |           |       |    |     |
| Hexachlorobenzene                                                                     | ND     |           | ug/l  | 10 | 3.4 |
| 2,4-Dinitrotoluene                                                                    | ND     |           | ug/l  | 25 | 1.9 |
| Hexachlorobutadiene                                                                   | ND     |           | ug/l  | 10 | 3.0 |
| Hexachloroethane                                                                      | ND     |           | ug/l  | 10 | 2.2 |
| Nitrobenzene                                                                          | ND     |           | ug/l  | 10 | 3.3 |
| 2,4,6-Trichlorophenol                                                                 | ND     |           | ug/l  | 25 | 2.5 |
| Pentachlorophenol                                                                     | ND     |           | ug/l  | 50 | 9.8 |
| 2-Methylphenol                                                                        | ND     |           | ug/l  | 25 | 5.5 |
| 3-Methylphenol/4-Methylphenol                                                         | ND     |           | ug/l  | 25 | 2.8 |
| 2,4,5-Trichlorophenol                                                                 | ND     |           | ug/l  | 25 | 1.9 |
| Pyridine                                                                              | ND     |           | ug/l  | 18 | 4.5 |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 48        |           | 21-120                 |
| Phenol-d6            | 47        |           | 10-120                 |
| Nitrobenzene-d5      | 51        |           | 23-120                 |
| 2-Fluorobiphenyl     | 54        |           | 15-120                 |
| 2,4,6-Tribromophenol | 56        |           | 10-120                 |
| 4-Terphenyl-d14      | 57        |           | 33-120                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: 0127-023-001

Lab Number: L2316415

Report Date: 04/05/23

| Parameter                                                                                                | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1761735-2 WG1761735-3 |                  |      |                   |      |                     |     |      |               |
| Hexachlorobenzene                                                                                        | 52               |      | 52                |      | 40-140              | 0   |      | 30            |
| 2,4-Dinitrotoluene                                                                                       | 56               |      | 55                |      | 40-132              | 2   |      | 30            |
| Hexachlorobutadiene                                                                                      | 44               |      | 44                |      | 28-111              | 0   |      | 30            |
| Hexachloroethane                                                                                         | 41               |      | 42                |      | 21-105              | 2   |      | 30            |
| Nitrobenzene                                                                                             | 46               |      | 46                |      | 40-140              | 0   |      | 30            |
| 2,4,6-Trichlorophenol                                                                                    | 57               |      | 58                |      | 30-130              | 2   |      | 30            |
| Pentachlorophenol                                                                                        | 64               |      | 64                |      | 9-103               | 0   |      | 30            |
| 2-Methylphenol                                                                                           | 49               |      | 50                |      | 30-130              | 2   |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                            | 51               |      | 52                |      | 30-130              | 2   |      | 30            |
| 2,4,5-Trichlorophenol                                                                                    | 58               |      | 60                |      | 30-130              | 3   |      | 30            |
| Pyridine                                                                                                 | 7                | Q    | 15                |      | 10-66               | 78  | Q    | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 48               |      | 48                |      | 21-120                 |
| Phenol-d6            | 48               |      | 48                |      | 10-120                 |
| Nitrobenzene-d5      | 50               |      | 50                |      | 23-120                 |
| 2-Fluorobiphenyl     | 52               |      | 52                |      | 15-120                 |
| 2,4,6-Tribromophenol | 52               |      | 52                |      | 10-120                 |
| 4-Terphenyl-d14      | 53               |      | 52                |      | 33-120                 |

# PCBS

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**SAMPLE RESULTS**

**Lab ID:** L2316415-01  
**Client ID:** WC-1  
**Sample Location:** ROCHESTER, NY

**Date Collected:** 03/27/23 12:00  
**Date Received:** 03/29/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 04/02/23 12:26  
**Analyst:** RMP  
**Percent Solids:** 90%

**Extraction Method:** EPA 3546  
**Extraction Date:** 04/01/23 11:15  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 04/01/23  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 04/01/23

| Parameter                                         | Result | Qualifier | Units | RL   | MDL  | Dilution Factor | Column |
|---------------------------------------------------|--------|-----------|-------|------|------|-----------------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab |        |           |       |      |      |                 |        |
| Aroclor 1016                                      | ND     |           | ug/kg | 35.9 | 3.18 | 1               | A      |
| Aroclor 1221                                      | ND     |           | ug/kg | 35.9 | 3.59 | 1               | A      |
| Aroclor 1232                                      | ND     |           | ug/kg | 35.9 | 7.60 | 1               | A      |
| Aroclor 1242                                      | ND     |           | ug/kg | 35.9 | 4.84 | 1               | A      |
| Aroclor 1248                                      | ND     |           | ug/kg | 35.9 | 5.38 | 1               | A      |
| Aroclor 1254                                      | ND     |           | ug/kg | 35.9 | 3.92 | 1               | A      |
| Aroclor 1260                                      | ND     |           | ug/kg | 35.9 | 6.63 | 1               | A      |
| Aroclor 1262                                      | ND     |           | ug/kg | 35.9 | 4.56 | 1               | A      |
| Aroclor 1268                                      | ND     |           | ug/kg | 35.9 | 3.72 | 1               | A      |
| PCBs, Total                                       | ND     |           | ug/kg | 35.9 | 3.18 | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | B      |
| Decachlorobiphenyl           | 44         |           | 30-150              | B      |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 1,8082A  
**Analytical Date:** 04/01/23 14:06  
**Analyst:** ER

**Extraction Method:** EPA 3546  
**Extraction Date:** 03/31/23 18:54  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 04/01/23  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 04/01/23

| Parameter                                                                              | Result | Qualifier | Units | RL   | MDL  | Column |
|----------------------------------------------------------------------------------------|--------|-----------|-------|------|------|--------|
| Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1761447-1 |        |           |       |      |      |        |
| Aroclor 1016                                                                           | ND     |           | ug/kg | 31.5 | 2.79 | A      |
| Aroclor 1221                                                                           | ND     |           | ug/kg | 31.5 | 3.15 | A      |
| Aroclor 1232                                                                           | ND     |           | ug/kg | 31.5 | 6.67 | A      |
| Aroclor 1242                                                                           | ND     |           | ug/kg | 31.5 | 4.24 | A      |
| Aroclor 1248                                                                           | ND     |           | ug/kg | 31.5 | 4.72 | A      |
| Aroclor 1254                                                                           | ND     |           | ug/kg | 31.5 | 3.44 | A      |
| Aroclor 1260                                                                           | ND     |           | ug/kg | 31.5 | 5.81 | A      |
| Aroclor 1262                                                                           | ND     |           | ug/kg | 31.5 | 4.00 | A      |
| Aroclor 1268                                                                           | ND     |           | ug/kg | 31.5 | 3.26 | A      |
| PCBs, Total                                                                            | ND     |           | ug/kg | 31.5 | 2.79 | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 91        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 89        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 94        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 87        |           | 30-150                 | B      |

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** 293 PATRIOT WAY**Project Number:** 0127-023-001**Lab Number:** L2316415**Report Date:** 04/05/23

| <b>Parameter</b>                                                                                          | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> | <b>Column</b> |
|-----------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|---------------|
| Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1761447-2 WG1761447-3 |                          |             |                           |             |                             |            |             |                       |               |
| Aroclor 1016                                                                                              | 76                       |             | 77                        |             | 40-140                      | 1          |             | 50                    | A             |
| Aroclor 1260                                                                                              | 70                       |             | 72                        |             | 40-140                      | 3          |             | 50                    | A             |

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 81                       |             | 80                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 77                       |             | 77                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 83                       |             | 80                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 73                       |             | 72                        |             | 30-150                         | B             |



## METALS

**Project Name:** 293 PATRIOT WAY**Lab Number:** L2316415**Project Number:** 0127-023-001**Report Date:** 04/05/23**SAMPLE RESULTS**

Lab ID: L2316415-01

Date Collected: 03/27/23 12:00

Client ID: WC-1

Date Received: 03/29/23

Sample Location: ROCHESTER, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 03/31/23 05:24

Matrix: Soil

Percent Solids: 90%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|-----------|--------|-----------|-------|----|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
|-----------|--------|-----------|-------|----|-----|--------------------|------------------|------------------|----------------|----------------------|---------|

**TCLP Metals by EPA 1311 - Mansfield Lab**

|                |       |   |      |        |        |   |                |                |           |         |     |
|----------------|-------|---|------|--------|--------|---|----------------|----------------|-----------|---------|-----|
| Arsenic, TCLP  | ND    |   | mg/l | 1.00   | 0.0190 | 1 | 04/03/23 12:02 | 04/03/23 15:09 | EPA 3015  | 1,6010D | DMB |
| Barium, TCLP   | 0.435 | J | mg/l | 0.500  | 0.0210 | 1 | 04/03/23 12:02 | 04/03/23 15:09 | EPA 3015  | 1,6010D | DMB |
| Cadmium, TCLP  | ND    |   | mg/l | 0.100  | 0.0100 | 1 | 04/03/23 12:02 | 04/03/23 15:09 | EPA 3015  | 1,6010D | DMB |
| Chromium, TCLP | ND    |   | mg/l | 0.200  | 0.0210 | 1 | 04/03/23 12:02 | 04/03/23 15:09 | EPA 3015  | 1,6010D | DMB |
| Lead, TCLP     | ND    |   | mg/l | 0.500  | 0.0270 | 1 | 04/03/23 12:02 | 04/03/23 15:09 | EPA 3015  | 1,6010D | DMB |
| Mercury, TCLP  | ND    |   | mg/l | 0.0010 | 0.0005 | 1 | 04/03/23 11:46 | 04/03/23 19:14 | EPA 7470A | 1,7470A | ZNK |
| Selenium, TCLP | ND    |   | mg/l | 0.500  | 0.0350 | 1 | 04/03/23 12:02 | 04/03/23 15:09 | EPA 3015  | 1,6010D | DMB |
| Silver, TCLP   | ND    |   | mg/l | 0.100  | 0.0280 | 1 | 04/03/23 12:02 | 04/03/23 15:09 | EPA 3015  | 1,6010D | DMB |



Project Name: 293 PATRIOT WAY

Lab Number: L2316415

Project Number: 0127-023-001

Report Date: 04/05/23

## Method Blank Analysis Batch Quality Control

| Parameter                                                                    | Result | Qualifier | Units | RL    | MDL    | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|-------|--------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1761781-1 |        |           |       |       |        |                    |                  |                  |                      |         |
| Arsenic, TCLP                                                                | ND     |           | mg/l  | 1.00  | 0.0190 | 1                  | 04/03/23 12:02   | 04/03/23 15:00   | 1,6010D              | DMB     |
| Barium, TCLP                                                                 | ND     |           | mg/l  | 0.500 | 0.0210 | 1                  | 04/03/23 12:02   | 04/03/23 15:00   | 1,6010D              | DMB     |
| Cadmium, TCLP                                                                | ND     |           | mg/l  | 0.100 | 0.0100 | 1                  | 04/03/23 12:02   | 04/03/23 15:00   | 1,6010D              | DMB     |
| Chromium, TCLP                                                               | ND     |           | mg/l  | 0.200 | 0.0210 | 1                  | 04/03/23 12:02   | 04/03/23 15:00   | 1,6010D              | DMB     |
| Lead, TCLP                                                                   | ND     |           | mg/l  | 0.500 | 0.0270 | 1                  | 04/03/23 12:02   | 04/03/23 15:00   | 1,6010D              | DMB     |
| Selenium, TCLP                                                               | ND     |           | mg/l  | 0.500 | 0.0350 | 1                  | 04/03/23 12:02   | 04/03/23 15:00   | 1,6010D              | DMB     |
| Silver, TCLP                                                                 | ND     |           | mg/l  | 0.100 | 0.0280 | 1                  | 04/03/23 12:02   | 04/03/23 15:00   | 1,6010D              | DMB     |

### Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/30/23 17:40

| Parameter                                                                    | Result | Qualifier | Units | RL     | MDL    | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|--------|--------|--------------------|------------------|------------------|----------------------|---------|
| TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1761782-1 |        |           |       |        |        |                    |                  |                  |                      |         |
| Mercury, TCLP                                                                | ND     |           | mg/l  | 0.0010 | 0.0005 | 1                  | 04/03/23 11:46   | 04/03/23 18:47   | 1,7470A              | ZNK     |

### Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 03/30/23 17:40



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 293 PATRIOT WAY

**Project Number:** 0127-023-001

**Lab Number:** L2316415

**Report Date:** 04/05/23

| Parameter                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1761781-2 |                  |      |                   |      |                     |     |      |            |
| Arsenic, TCLP                                                                       | 103              |      | -                 |      | 75-125              | -   |      | 20         |
| Barium, TCLP                                                                        | 98               |      | -                 |      | 75-125              | -   |      | 20         |
| Cadmium, TCLP                                                                       | 98               |      | -                 |      | 75-125              | -   |      | 20         |
| Chromium, TCLP                                                                      | 98               |      | -                 |      | 75-125              | -   |      | 20         |
| Lead, TCLP                                                                          | 95               |      | -                 |      | 75-125              | -   |      | 20         |
| Selenium, TCLP                                                                      | 105              |      | -                 |      | 75-125              | -   |      | 20         |
| Silver, TCLP                                                                        | 98               |      | -                 |      | 75-125              | -   |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1761782-2 |                  |      |                   |      |                     |     |      |            |
| Mercury, TCLP                                                                       | 96               |      | -                 |      | 80-120              | -   |      |            |

# Matrix Spike Analysis

## Batch Quality Control

Project Name: 293 PATRIOT WAY

Project Number: 0127-023-001

Lab Number: L2316415

Report Date: 04/05/23

| Parameter                                                                                                                             | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|----------|--------------|------|-----------|---------------|------|-----------------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1761781-3 QC Sample: L2314998-11 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Arsenic, TCLP                                                                                                                         | ND            | 1.2      | 1.22     | 102          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Barium, TCLP                                                                                                                          | 0.536         | 20       | 19.4     | 94           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Cadmium, TCLP                                                                                                                         | ND            | 0.53     | 0.506    | 95           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Chromium, TCLP                                                                                                                        | ND            | 2        | 1.94     | 97           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Lead, TCLP                                                                                                                            | ND            | 5.3      | 4.87     | 92           |      | -         | -             |      | 75-125          | -   |      | 20         |
| Selenium, TCLP                                                                                                                        | ND            | 1.2      | 1.22     | 102          |      | -         | -             |      | 75-125          | -   |      | 20         |
| Silver, TCLP                                                                                                                          | ND            | 0.5      | 0.479    | 96           |      | -         | -             |      | 75-125          | -   |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1761782-3 QC Sample: L2314998-11 Client ID: MS Sample |               |          |          |              |      |           |               |      |                 |     |      |            |
| Mercury, TCLP                                                                                                                         | ND            | 0.025    | 0.0245   | 98           |      | -         | -             |      | 75-125          | -   |      | 20         |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Duplicate Analysis**  
*Batch Quality Control*

**Lab Number:** L2316415  
**Report Date:** 04/05/23

| Parameter                                                                                                                              | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1761781-4 QC Sample: L2314998-11 Client ID: DUP Sample |               |                  |       |     |      |            |
| Arsenic, TCLP                                                                                                                          | ND            | ND               | mg/l  | NC  |      | 20         |
| Barium, TCLP                                                                                                                           | 0.536         | 0.534            | mg/l  | 0   |      | 20         |
| Cadmium, TCLP                                                                                                                          | ND            | ND               | mg/l  | NC  |      | 20         |
| Chromium, TCLP                                                                                                                         | ND            | ND               | mg/l  | NC  |      | 20         |
| Lead, TCLP                                                                                                                             | ND            | ND               | mg/l  | NC  |      | 20         |
| Selenium, TCLP                                                                                                                         | ND            | ND               | mg/l  | NC  |      | 20         |
| Silver, TCLP                                                                                                                           | ND            | ND               | mg/l  | NC  |      | 20         |
| TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1761782-4 QC Sample: L2314998-11 Client ID: DUP Sample |               |                  |       |     |      |            |
| Mercury, TCLP                                                                                                                          | ND            | ND               | mg/l  | NC  |      | 20         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

### SAMPLE RESULTS

**Lab ID:** L2316415-01  
**Client ID:** WC-1  
**Sample Location:** ROCHESTER, NY

**Date Collected:** 03/27/23 12:00  
**Date Received:** 03/29/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Fine  
**Preliminary Burning Time (sec):** 120

| Parameter                                | Result | Date Analyzed  | Analytical Method | Analyst |
|------------------------------------------|--------|----------------|-------------------|---------|
| Ignitability of Solids - Westborough Lab |        |                |                   |         |
| Ignitability                             | NI     | 04/03/23 09:23 | 1,1030            | MM      |





**Project Name:** 293 PATRIOT WAY**Project Number:** 0127-023-001**Lab Number:** L2316415**Report Date:** 04/05/23**SAMPLE RESULTS****Lab ID:** L2316415-01**Client ID:** WC-1**Sample Location:** ROCHESTER, NY**Date Collected:** 03/27/23 12:00**Date Received:** 03/29/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 90.1   |           | %     | 0.100 | NA  | 1                  | -                | 04/01/23 11:39   | 121,2540G            | ROI     |



Project Name: 293 PATRIOT WAY

Project Number: 0127-023-001

Lab Number: L2316415

Report Date: 04/05/23

## SAMPLE RESULTS

Lab ID: L2316415-02

Client ID: VOC-1 14-16FT

Sample Location: ROCHESTER, NY

Date Collected: 03/27/23 12:05

Date Received: 03/29/23

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 89.9   |           | %     | 0.100 | NA  | 1                  | -                | 04/01/23 13:45   | 121,2540G            | ROI     |



**Project Name:** 293 PATRIOT WAY**Project Number:** 0127-023-001**Lab Number:** L2316415**Report Date:** 04/05/23**SAMPLE RESULTS****Lab ID:** L2316415-03**Client ID:** VOC-2 14-16FT**Sample Location:** ROCHESTER, NY**Date Collected:** 03/27/23 14:00**Date Received:** 03/29/23**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 89.9   |           | %     | 0.100 | NA  | 1                  | -                | 04/01/23 13:45   | 121,2540G            | ROI     |



# Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 293 PATRIOT WAY

Project Number: 0127-023-001

Lab Number: L2316415

Report Date: 04/05/23

| Parameter                                                                                                                             | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1761531-1 QC Sample: L2317032-01 Client ID: DUP Sample    |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 76.8          | 74.5             | %     | 3   |      | 20         |
| General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1761549-1 QC Sample: L2316732-01 Client ID: DUP Sample |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 86.8          | 86.5             | %     | 0   |      | 20         |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

Serial\_No:04052316:23  
**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

| Container ID  | Container Type                        | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                           |
|---------------|---------------------------------------|--------|------------|----------|------------|------|--------|------------------|---------------------------------------------------------------------------------------|
| L2316415-01A  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | NYTCL-8260-R2(14),TCLP-EXT-ZHE(14)                                                    |
| L2316415-01B  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | IGNIT-1030(14),TS(7),NYTCL-8082(365)                                                  |
| L2316415-01C  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | IGNIT-1030(14),TS(7),NYTCL-8082(365)                                                  |
| L2316415-01D  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | IGNIT-1030(14),TS(7),NYTCL-8082(365)                                                  |
| L2316415-01E  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | IGNIT-1030(14),TS(7),NYTCL-8082(365)                                                  |
| L2316415-01F  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | IGNIT-1030(14),TS(7),NYTCL-8082(365)                                                  |
| L2316415-01G  | Glass 500ml/16oz unpreserved          | A      | NA         |          | 3.3        | Y    | Absent |                  | IGNIT-1030(14),TS(7),NYTCL-8082(365)                                                  |
| L2316415-01S  | Vial unpreserved Extracts             | A      | NA         |          | 3.3        | Y    | Absent |                  | TCLP-VOA(14)                                                                          |
| L2316415-01T  | Vial unpreserved Extracts             | A      | NA         |          | 3.3        | Y    | Absent |                  | TCLP-VOA(14)                                                                          |
| L2316415-01V  | Plastic 120ml HNO3 preserved Extracts | A      | NA         |          | 3.3        | Y    | Absent |                  | CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180) |
| L2316415-01V9 | Tumble Vessel                         | A      | NA         |          | 3.3        | Y    | Absent |                  | -                                                                                     |
| L2316415-01W  | Amber 1000ml unpreserved Extracts     | A      | NA         |          | 3.3        | Y    | Absent |                  | TCLP-8270(14)                                                                         |
| L2316415-01X  | Vial MeOH preserved split             | A      | NA         |          | 3.3        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                     |
| L2316415-01Y  | Vial Water preserved split            | A      | NA         |          | 3.3        | Y    | Absent | 31-MAR-23 12:17  | NYTCL-8260-R2(14)                                                                     |
| L2316415-01Z  | Vial Water preserved split            | A      | NA         |          | 3.3        | Y    | Absent | 31-MAR-23 12:17  | NYTCL-8260-R2(14)                                                                     |
| L2316415-02A  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | NYTCL-8260-R2(14),TS(7)                                                               |
| L2316415-02X  | Vial MeOH preserved split             | A      | NA         |          | 3.3        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                     |
| L2316415-02Y  | Vial Water preserved split            | A      | NA         |          | 3.3        | Y    | Absent | 31-MAR-23 12:17  | NYTCL-8260-R2(14)                                                                     |
| L2316415-02Z  | Vial Water preserved split            | A      | NA         |          | 3.3        | Y    | Absent | 31-MAR-23 12:17  | NYTCL-8260-R2(14)                                                                     |
| L2316415-03A  | Glass 120ml/4oz unpreserved           | A      | NA         |          | 3.3        | Y    | Absent |                  | NYTCL-8260-R2(14),TS(7)                                                               |
| L2316415-03X  | Vial MeOH preserved split             | A      | NA         |          | 3.3        | Y    | Absent |                  | NYTCL-8260-R2(14)                                                                     |
| L2316415-03Y  | Vial Water preserved split            | A      | NA         |          | 3.3        | Y    | Absent | 31-MAR-23 12:17  | NYTCL-8260-R2(14)                                                                     |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

Serial\_No:04052316:23  
**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>      | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b> |
|---------------------|----------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|
| L2316415-03Z        | Vial Water preserved split | A             | NA                    |                     | 3.3                   | Y           | Absent      | 31-MAR-23 12:17             | NYTCL-8260-R2(14)  |

**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

## GLOSSARY

### Acronyms

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DL       | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                |
| EDL      | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).                                                                                         |
| EMPC     | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.                                                                                                                                                                                                                               |
| EPA      | - Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LCS      | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                                                                                          |
| LCSD     | - Laboratory Control Sample Duplicate: Refer to LCS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LFB      | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.                                                                                                                                                                                                                                                                                                                         |
| LOD      | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)                                                                                                                                                                                                               |
| LOQ      | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)<br><br>Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL      | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                          |
| MS       | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.                                                                                                                                                                                                    |
| MSD      | - Matrix Spike Sample Duplicate: Refer to MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NA       | - Not Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NC       | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.                                                                                                                                                                                                                                                                                                                                                                           |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NI       | - Not Ignitable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NP       | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NR       | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.                                                                                                                                                                                                                                                                                                                                                                    |
| RL       | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.                                                                                                                                                                                                                                                                                                   |
| RPD      | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.                                                                  |
| SRM      | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.                                                                                                                                                                                                                                                                                                                                                                     |
| STLP     | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| TEF      | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.                                                                                                                                                                                                                                                                                                                                                                                             |
| TEQ      | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.                                                                                                                                                                                                                                                                                                                                                        |
| TIC      | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.                                                                                                                                                                                                                                                                      |

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

## Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

## Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

## Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

**Report Format:** DU Report with 'J' Qualifiers





**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

**Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 293 PATRIOT WAY  
**Project Number:** 0127-023-001

**Lab Number:** L2316415  
**Report Date:** 04/05/23

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Page 49 of 49

## Attachment 5

### CAMP Data

03/26/2023 11:37:00 – 03/27/2023 14:37:00  
(GMT-05:00) Eastern Time (US & Canada)



**Mass Conc. Total mg/m³ AVG 15m**

mg/m³

DustTrak-8530

RS232(C)

MIN

0.0117

AVG

0.0172

MAX

0.0395

**VOC ppm AVG 15m**

ppm

miniRAE 3000

RS232(A)

MIN

0

AVG

0

MAX

0.004

**Name** CAMP Station #6

**S/N** 0B389622

**Description** CAMP Station # 6  
Replacement

**Location** 293 Patriot Way,  
Rochester, NY 14624,  
USA

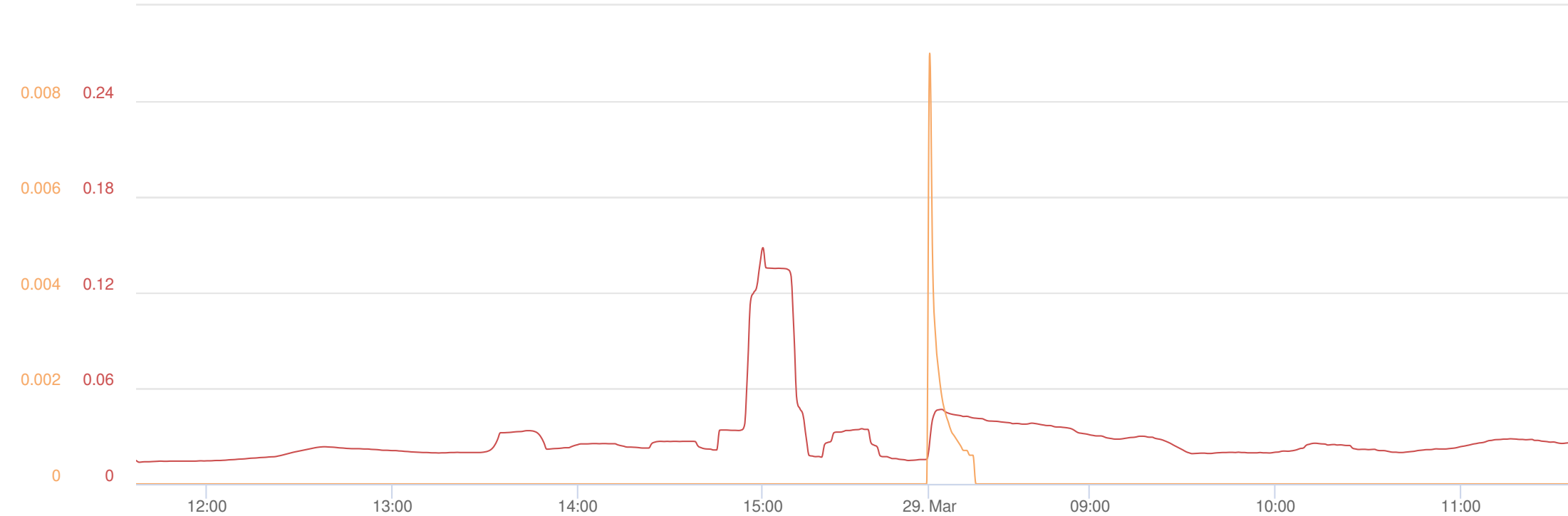
03/27/2023 11:37:00 – 03/28/2023 14:37:00  
(GMT-05:00) Eastern Time (US & Canada)



| Mass Conc. Total mg/m³ AVG 15m<br>mg/m³<br>DustTrak-8530<br>RS232(C) |        |        | VOC ppm AVG 15m ppm<br>miniRAE 3000<br>RS232(A) |     |     |
|----------------------------------------------------------------------|--------|--------|-------------------------------------------------|-----|-----|
| MIN                                                                  | AVG    | MAX    | MIN                                             | AVG | MAX |
| 0.01                                                                 | 0.0163 | 0.0334 | 0                                               | 0   | 0   |

**Name** CAMP Station #6  
**S/N** 0B389622  
**Description** CAMP Station # 6  
Replacement  
**Location** 293 Patriot Way,  
Rochester, NY 14624,  
USA

03/28/2023 11:37:00 – 03/29/2023 14:37:00  
(GMT-05:00) Eastern Time (US & Canada)



| Mass Conc. Total mg/m³ AVG 15m |        |        |
|--------------------------------|--------|--------|
| mg/m³                          |        |        |
| DustTrak-8530                  |        |        |
| RS232(C)                       |        |        |
| MIN                            | AVG    | MAX    |
| 0.0136                         | 0.0282 | 0.1481 |

| VOC ppm AVG 15m |     |       |
|-----------------|-----|-------|
| ppm             |     |       |
| miniRAE 3000    |     |       |
| RS232(A)        |     |       |
| MIN             | AVG | MAX   |
| 0               | 0   | 0.009 |

|             |                                                 |
|-------------|-------------------------------------------------|
| Name        | CAMP Station #6                                 |
| S/N         | 0B389622                                        |
| Description | CAMP Station # 6<br>Replacement                 |
| Location    | 293 Patriot Way,<br>Rochester, NY 14624,<br>USA |