

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120621\  
 Data File : VY006977.D  
 Acq On : 06 Dec 2021 23:10  
 Operator : SY/MD  
 Sample : M4887-23  
 Misc : 3.97g/10.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EX8D5

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2021  
 Supervised By : Mahesh Dadoda 12/14/2021

Quant Time: Dec 07 04:14:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYL120321SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 07 04:00:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response             | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|----------------------|--------|-------|----------|
| -----                         |                |      |                      |        |       |          |
| Internal Standards            |                |      |                      |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.685          | 114  | 60746                | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.490         | 117  | 32743                | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 8020                 | 25.000 | ug/L  | 0.00     |
|                               |                |      |                      |        |       |          |
| System Monitoring Compounds   |                |      |                      |        |       |          |
| 4) Vinyl Chloride-d3          | 2.247          | 65   | 42852                | 54.773 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 219.080%# |        |       |          |
| 7) Chloroethane-d5            | 2.766          | 69   | 30837                | 50.246 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 201.000%# |        |       |          |
| 11) 1,1-Dichloroethene-d2     | 3.851          | 63   | 40716                | 25.033 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 100.120%  |        |       |          |
| 21) 2-Butanone-d5             | 6.893          | 46   | 5302m                | 17.546 | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 35.100%   |        |       |          |
| 24) Chloroform-d              | 7.478          | 84   | 61499                | 40.624 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 162.480%# |        |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.137          | 65   | 38099                | 41.927 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 167.720%# |        |       |          |
| 32) Benzene-d6                | 8.106          | 84   | 87204                | 50.138 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 200.560%# |        |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.118          | 67   | 39647                | 72.550 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 290.200%# |        |       |          |
| 41) Toluene-d8                | 10.179         | 98   | 49059                | 30.116 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 120.480%  |        |       |          |
| 43) trans-1,3-Dichloroprop... | 10.435         | 79   | 6796                 | 25.711 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 102.840%  |        |       |          |
| 47) 2-Hexanone-d5             | 10.789         | 63   | 3482                 | 27.530 | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 55.060%   |        |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.557         | 84   | 22150                | 48.651 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 194.600%# |        |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.721         | 152  | 5860                 | 22.406 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 89.640%   |        |       |          |
|                               |                |      |                      |        |       |          |
| Target Compounds              |                |      |                      |        |       |          |
| 13) Acetone                   | 3.942          | 43   | 1408m                | 5.084  | ug/L  |          |
| 16) Methylene chloride        | 4.710          | 84   | 11765                | 10.800 | ug/L  | 94       |
| 27) 1,2-Dichloroethane        | 8.234          | 62   | 8301                 | 6.897  | ug/L  | 96       |
| 34) Trichloroethene           | 8.935          | 95   | 7840                 | 14.459 | ug/L  | 89       |
| 42) Toluene                   | 10.240         | 91   | 3401                 | 1.448  | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.715         | 164  | 956                  | 2.104  | ug/L  | 88       |
| -----                         |                |      |                      |        |       |          |

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

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