

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031921\  
 Data File : VW018408.D  
 Acq On : 20 Mar 2021 00:03  
 Operator : SY/VA  
 Sample : M1685-09RE  
 Misc : 4.84G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG495RE

Manual Integrations  
 APPROVED

MMDadoda  
 3/22/2021 4:14:15 PM

Quant Time: Mar 20 04:02:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 20 03:58:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc  | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-------|--------|----------|
| -----                         |                |      |                     |       |        |          |
| Internal Standards            |                |      |                     |       |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 283117              | 25.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 205953              | 25.00 | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 52855               | 25.00 | ug/L   | 0.00     |
|                               |                |      |                     |       |        |          |
| System Monitoring Compounds   |                |      |                     |       |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 112465              | 28.55 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 114.20%  |       |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 101282              | 29.37 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 117.48%  |       |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.025          | 63   | 123469              | 18.15 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 72.60%   |       |        |          |
| 20) 2-Butanone-d5             | 7.080          | 46   | 72866               | 83.07 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 166.14%# |       |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 180246              | 25.00 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 100.00%  |       |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 114301              | 27.15 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 108.60%  |       |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 349488              | 31.92 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 127.68%  |       |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 100860              | 31.94 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 127.76%# |       |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 284425              | 26.98 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 107.92%  |       |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 33382               | 20.50 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 82.00%   |       |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 54853               | 88.75 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 177.50%# |       |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 91389               | 32.35 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 129.40%# |       |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 45647               | 24.29 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 97.16%   |       |        |          |
|                               |                |      |                     |       |        |          |
| Target Compounds              |                |      |                     |       | Qvalue |          |
| 13) Acetone                   | 4.123          | 43   | 16912               | 26.84 | ug/L   | 94       |
| 14) Carbon disulfide          | 4.385          | 76   | 30886               | 2.89  | ug/L   | 96       |
| 16) Methylene chloride        | 4.928          | 84   | 13709m              | 2.95  | ug/L   |          |
| 21) 2-Butanone                | 7.183          | 43   | 5382m               | 5.38  | ug/L   |          |
| 47) Tetrachloroethene         | 10.866         | 164  | 1762                | 0.70  | ug/L   | 89       |
| -----                         |                |      |                     |       |        |          |

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

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