

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022620\  
 Data File : VW015049.D  
 Acq On : 26 Feb 2020 18:02  
 Operator : SY/VA  
 Sample : L1686-09  
 Misc : 5.31G/10ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAW06

Manual Integrations  
 APPROVED

MMDadoda  
 2/27/2020 3:37:33 PM

Quant Time: Feb 27 03:57:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 27 02:01:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 741722   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 712270   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 264828   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 389934   | 21.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.08%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 281362   | 21.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.16%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 480787   | 16.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.60%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 166777   | 53.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.56% |
| 24) Chloroform-d               | 7.65   | 84    | 587662m  | 24.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 357320   | 26.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 104.84% |
| 29) Benzene-d6                 | 8.27   | 84    | 1137330  | 23.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 415495   | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 986281   | 24.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.64%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 146600   | 24.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 96.80%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 135868   | 62.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 125.26% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 272437   | 25.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.92% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 260030   | 26.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 107.20% |

## Target Compounds

| Target Compounds      | R.T.  | QIon | Response | Conc    | Units | Ovalue |
|-----------------------|-------|------|----------|---------|-------|--------|
| 13) Acetone           | 4.12  | 43   | 24029    | 6.551   | ug/L  | 81     |
| 35) Trichloroethene   | 9.09  | 95   | 552897   | 43.139  | ug/L  | 99     |
| 44) Toluene           | 10.38 | 91   | 68951    | 1.340   | ug/L  | 95     |
| 47) Tetrachloroethene | 10.86 | 164  | 6621778  | 801.633 | ug/L  | 96     |
| 52) Chlorobenzene     | 11.66 | 112  | 11163    | 0.369   | ug/L  | 97     |

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

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