

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\  
 Data File : VW014634.D  
 Acq On : 14 Jan 2020 15:47  
 Operator : SY/VA  
 Sample : L1109-14  
 Misc : 5.04G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GASH3

Manual Integrations  
 APPROVED

MMDadoda  
 1/16/2020 1:50:56 PM

Quant Time: Jan 15 02:30:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 15 01:48:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 909806   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 817812   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 376599   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 298084   | 23.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.96%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 235152   | 24.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 429912m  | 18.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.32%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 160268   | 52.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.02% |
| 24) Chloroform-d               | 7.65   | 84    | 531178   | 25.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.52% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 286884   | 26.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.64% |
| 29) Benzene-d6                 | 8.27   | 84    | 1153685  | 26.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 354444   | 27.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 108.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 1043272  | 26.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.84% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 140358   | 25.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.96% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 120476   | 53.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.76% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 263385   | 26.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 352377   | 28.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 113.60% |

| Target Compounds       |       |    |       |            | Ovalue |
|------------------------|-------|----|-------|------------|--------|
| 13) Acetone            | 4.12  | 43 | 20128 | 4.763 ug/L | 99     |
| 16) Methylene chloride | 4.91  | 84 | 37381 | 2.520 ug/L | 94     |
| 44) Toluene            | 10.39 | 91 | 67593 | 1.314 ug/L | 97     |

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

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