

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070219\  
 Data File : VW011123.D  
 Acq On : 02 Jul 2019 23:01  
 Operator : SY/VA  
 Sample : K3599-21  
 Misc : 5.03G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAM28

Manual Integrations  
 APPROVED

MMDadoda  
 7/3/2019 11:02:51 PM

Quant Time: Jul 03 06:56:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 03 05:51:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 245121   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 230924   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 104849   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 69966    | 18.69    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.76%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 53850    | 20.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 126251   | 15.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.72%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 77753    | 52.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.48% |
| 24) Chloroform-d               | 7.65   | 84    | 162352   | 24.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 106078   | 25.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.56% |
| 29) Benzene-d6                 | 8.27   | 84    | 321501   | 22.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.40%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 111773   | 24.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.52%  |
| 37) Toluene-d8                 | 10.32  | 98    | 285238   | 22.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 40510    | 20.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.28%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47857    | 45.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.10%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 97165    | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.44% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 102787   | 25.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.16% |

## Target Compounds

|                            |       |     |       |            | Ovalue |
|----------------------------|-------|-----|-------|------------|--------|
| 13) Acetone                | 4.14  | 43  | 3530  | 2.451 ug/L | 92     |
| 16) Methylene chloride     | 4.91  | 84  | 6803m | 1.889 ug/L |        |
| 22) cis-1,2-Dichloroethene | 7.16  | 96  | 2860  | 0.812 ug/L | 93     |
| 35) Trichloroethene        | 9.09  | 95  | 7505  | 2.061 ug/L | 98     |
| 47) Tetrachloroethene      | 10.86 | 164 | 7413  | 2.693 ug/L | 91     |

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

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