

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070219\  
 Data File : VW011118.D  
 Acq On : 02 Jul 2019 20:46  
 Operator : SY/VA  
 Sample : K3599-20MSD  
 Misc : 4.99G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAM27MSD

Manual Integrations  
 APPROVED

MMDadoda  
 7/3/2019 11:02:49 PM

Quant Time: Jul 03 06:38:20 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  | 283705   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 253344   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 114188   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 81489    | 18.81    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.24% |
| 7) Chloroethane-d5             | 2.88   | 69    | 60467    | 19.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.56% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 199446   | 21.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 86.96% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 78734    | 46.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.28% |
| 24) Chloroform-d               | 7.65   | 84    | 170574   | 21.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.76% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 109147   | 22.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.16% |
| 29) Benzene-d6                 | 8.27   | 84    | 359344   | 23.02    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.08% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 120108   | 23.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 318349   | 22.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.56% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 43133    | 19.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 79.84% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 48069    | 41.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.48% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 89785    | 21.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.44% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 105809   | 24.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.56% |

## Target Compounds

|                        |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96  | 90583  | 24.296 ug/L | # 73   |
| 13) Acetone            | 4.12  | 43  | 7995   | 4.797 ug/L  | 96     |
| 16) Methylene chloride | 4.92  | 84  | 8690m  | 2.084 ug/L  |        |
| 34) Benzene            | 8.32  | 78  | 425544 | 26.876 ug/L | 100    |
| 35) Trichloroethene    | 9.09  | 95  | 106572 | 26.672 ug/L | 99     |
| 44) Toluene            | 10.38 | 91  | 442444 | 26.997 ug/L | 100    |
| 47) Tetrachloroethene  | 10.87 | 164 | 1473   | 0.488 ug/L  | 94     |
| 52) Chlorobenzene      | 11.66 | 112 | 262440 | 26.211 ug/L | 99     |

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

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