

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\  
 Data File : VV009167.D  
 Acq On : 04 Jan 2019 19:39  
 Operator : SY/MD  
 Sample : K1050-03  
 Misc : 5.96 G/10ML/MSVOA V/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BE9W0

Quant Time: Jan 05 05:41:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 05 05:00:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 203901   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 191806   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 96959    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 27141    | 19.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.88%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 28386    | 20.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.92%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 70933    | 15.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.88%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 33147    | 33.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.56%  |
| 24) Chloroform-d               | 4.40   | 84    | 98201    | 22.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 57630    | 25.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.36% |
| 29) Benzene-d6                 | 5.10   | 84    | 196034   | 22.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.76%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 60004    | 24.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.96%  |
| 37) Toluene-d8                 | 7.36   | 98    | 179165   | 22.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.92%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 27270    | 23.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.84%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 20996    | 36.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.62%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 59814    | 22.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.84%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 76730    | 23.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.64%  |

| Target Compounds       |      |    |       |             | Ovalue |
|------------------------|------|----|-------|-------------|--------|
| 13) Acetone            | 2.22 | 43 | 21542 | 15.492 ug/L | 98     |
| 16) Methylene chloride | 2.54 | 84 | 4227  | 1.388 ug/L  | 86     |
| 44) Toluene            | 7.43 | 91 | 34468 | 3.101 ug/L  | 96     |

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

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