

Data File : VV009923.D  
Acq On : 27 Mar 2019 13:07  
Operator : SY/MD  
Sample : K2085-01  
Misc : 4.87G/10mL/MSVOA\_V/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF7W5

Quant Time: Mar 28 06:43:29 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 28 05:12:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 149341   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 154581   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 62175    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 63492    | 20.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.80%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 79570    | 24.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.24%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 140670   | 16.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.88%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 27824    | 49.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.54%  |
| 24) Chloroform-d               | 4.40   | 84    | 99026    | 26.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.12% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 62351    | 27.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.92% |
| 29) Benzene-d6                 | 5.10   | 84    | 211117   | 26.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.04% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 65912    | 27.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.00% |
| 37) Toluene-d8                 | 7.36   | 98    | 188353   | 24.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.04%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 20496    | 21.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.40%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 20219    | 45.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.22%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 52186    | 22.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.76%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 64961    | 27.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 109.76% |

| Target Compounds       |      |    |      |            | Qvalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.54 | 84 | 5107 | 2.077 ug/L | 91     |

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

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