

Data File : VV010307.D  
Acq On : 13 Apr 2019 01:03  
Operator : SY/MD  
Sample : K2352-01  
Misc : 5.11G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB742

Quant Time: Apr 13 06:33:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 13 05:50:22 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 270426   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 266484   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 111109   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 39030    | 12.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 50.16%  |
| 7) Chloroethane-d5             | 1.55   | 69    | 54046    | 20.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.80%  |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 87645    | 11.06    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 44.24%# |
| 20) 2-Butanone-d5              | 3.93   | 46    | 47253    | 59.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.96% |
| 24) Chloroform-d               | 4.39   | 84    | 119687   | 19.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 77.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 81375    | 23.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.56%  |
| 29) Benzene-d6                 | 5.09   | 84    | 245635   | 19.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 76.48%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 79821    | 20.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 83.52%  |
| 37) Toluene-d8                 | 7.36   | 98    | 216762   | 17.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 69.20%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 27958    | 17.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 70.16%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 30942    | 46.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.74%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 77317    | 22.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.16%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 85483    | 20.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 83.32%  |

| Target Compounds       |      |    |       |       |      | Qvalue |
|------------------------|------|----|-------|-------|------|--------|
| 13) Acetone            | 2.18 | 43 | 4218  | 5.011 | ug/L | 78     |
| 14) Carbon disulfide   | 2.30 | 76 | 6197  | 0.719 | ug/L | 99     |
| 16) Methylene chloride | 2.53 | 84 | 14082 | 2.659 | ug/L | 97     |

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

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