

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040419\  
 Data File : VV010111.D  
 Acq On : 04 Apr 2019 16:06  
 Operator : SY/MD  
 Sample : K2215-13  
 Misc : 4.54G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF2P2

Quant Time: Apr 05 01:38:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 01:26:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 225733   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 216436   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 98112    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 56377    | 18.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.64%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 67304    | 17.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.72%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 119085   | 15.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.48%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 46212    | 53.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.48% |
| 24) Chloroform-d               | 4.40   | 84    | 127150   | 22.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.44%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 78831    | 24.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.12%  |
| 29) Benzene-d6                 | 5.10   | 84    | 258246   | 23.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.04%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 79603    | 24.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.12%  |
| 37) Toluene-d8                 | 7.36   | 98    | 241248   | 22.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.24%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 29213    | 20.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.52%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 35930    | 54.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 108.16% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 80146    | 24.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.12%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 94291    | 24.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.68%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.20 | 43 | 4445  | 5.228 ug/L | 52     |
| 16) Methylene chloride | 2.54 | 84 | 17370 | 4.380 ug/L | 88     |

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

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