

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\  
 Data File : VV010076.D  
 Acq On : 02 Apr 2019 23:42  
 Operator : SY/MD  
 Sample : K2148-13  
 Misc : 5.47G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5G0

Quant Time: Apr 03 07:56:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 03 06:44:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 212520   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 197668   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 68736    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 39602    | 13.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 55.68%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 69701    | 19.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.88%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 89279    | 12.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.76%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 31087    | 38.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.80%  |
| 24) Chloroform-d               | 4.40   | 84    | 136234   | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.76% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 88578    | 29.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 118.28% |
| 29) Benzene-d6                 | 5.10   | 84    | 267576   | 26.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.40% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 90274    | 29.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.36% |
| 37) Toluene-d8                 | 7.36   | 98    | 234724   | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.08%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 26215    | 20.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.08%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 14567    | 24.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 48.02%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 78199    | 26.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.84% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 70151    | 26.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.80% |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.20 | 43 | 6117  | 7.642 ug/L | 99     |
| 16) Methylene chloride | 2.53 | 84 | 10969 | 2.938 ug/L | 94     |

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

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