

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\  
 Data File : VV010755.D  
 Acq On : 09 May 2019 07:11  
 Operator : SY/MD  
 Sample : K2693-05  
 Misc : 5.72G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFHD2

Quant Time: May 09 08:29:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 09 04:43:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 95458    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 91734    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 32909    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 28532    | 19.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.96%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 28212    | 23.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.48%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 35393    | 11.00    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 44.00%# |
| 20) 2-Butanone-d5              | 3.92   | 46    | 15477    | 34.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.56%  |
| 24) Chloroform-d               | 4.39   | 84    | 57788    | 22.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 38100    | 23.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.76%  |
| 29) Benzene-d6                 | 5.09   | 84    | 120241   | 24.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.60%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 38664    | 25.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.52% |
| 37) Toluene-d8                 | 7.36   | 98    | 108308   | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.68%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 13619    | 19.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.68%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 11063    | 34.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.72%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 27773    | 19.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.84%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 32089    | 25.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.72% |

| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.53 | 84 | 4252 | 2.881 ug/L | 95     |

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

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