

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\  
 Data File : VV009650.D  
 Acq On : 13 Mar 2019 21:49  
 Operator : SY/MD  
 Sample : K1794-13  
 Misc : 4.24G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5N2

Quant Time: Mar 14 08:27:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 14 07:37:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 95710    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 72460    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 15987    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 17548    | 14.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.36%   |
| 7) Chloroethane-d5             | 1.57   | 69    | 26837    | 17.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.08%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 34743    | 10.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 42.00%#  |
| 20) 2-Butanone-d5              | 0.00   | 46    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 24) Chloroform-d               | 4.40   | 84    | 61601    | 25.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 40321    | 29.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 116.84%  |
| 29) Benzene-d6                 | 5.10   | 84    | 96077    | 25.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.12%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 41438    | 37.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 149.24%# |
| 37) Toluene-d8                 | 7.36   | 98    | 72663    | 19.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.04%   |
| 38) trans-1,3-Dichloropropene- | 7.68   | 79    | 112      | 0.22     | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 0.88%#   |
| 39) 2-Hexanone-d5              | 0.00   | 63    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 27856    | 26.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 15525    | 25.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.28%  |

| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.18 | 43 | 3678 | 9.518 ug/L | 98     |
| 16) Methylene chloride | 2.54 | 84 | 2984 | 2.142 ug/L | 91     |

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

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