

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\  
 Data File : VV010639.D  
 Acq On : 02 May 2019 22:07  
 Operator : SY/MD  
 Sample : K2603-11  
 Misc : 5.09G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJ63

Quant Time: May 04 00:58:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 03 02:22:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 32778    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 31311    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 9910     | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 3949     | 9.52     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 38.08%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 4643     | 15.98    | ug/L | 0.02    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.92%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 6879     | 9.45     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 37.80%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 4373     | 34.63    | ug/L | 0.03    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.26%  |
| 24) Chloroform-d               | 4.41   | 84    | 19889    | 23.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.96%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 11623    | 23.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.84%  |
| 29) Benzene-d6                 | 5.10   | 84    | 27044    | 16.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 66.68%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 11818    | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.08%  |
| 37) Toluene-d8                 | 7.36   | 98    | 20998    | 13.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 53.88%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 3022     | 14.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 58.84%  |
| 39) 2-Hexanone-d5              | 0.00   | 63    | 0d       | 0.00     | ug/L |         |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 12230    | 27.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 109.20% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 8026     | 21.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.20%  |

| Target Compounds |      |    |      |             | Ovalue |
|------------------|------|----|------|-------------|--------|
| 13) Acetone      | 2.19 | 43 | 1295 | 11.964 ug/L | 87     |

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

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