

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031619\  
 Data File : VV009705.D  
 Acq On : 15 Mar 2019 23:11  
 Operator : SY/MD  
 Sample : K1939-22  
 Misc : 5.44g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF0Y5

Quant Time: Mar 16 04:28:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 16 02:32:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 167350   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 167871   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 74649    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 34741    | 35.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 70.16%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 22181    | 21.52    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 43.04%# |
| 11) 1,1-Dichloroethene-d2      | 2.10    | 63    | 81190    | 31.07    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.14%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 68234    | 93.22    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.22%  |
| 24) Chloroform-d               | 4.40    | 84    | 90673    | 41.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 62914    | 43.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.90%  |
| 32) Benzene-d6                 | 5.09    | 84    | 189317   | 43.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 58009    | 44.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.88%  |
| 41) Toluene-d8                 | 7.36    | 98    | 175329   | 41.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.46%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 26569    | 39.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.82%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 57276    | 100.33   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.33% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 95284    | 45.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 68660    | 43.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.20%  |

| Target Compounds      |      |     |      |            | Ovalue |
|-----------------------|------|-----|------|------------|--------|
| 46) Tetrachloroethene | 8.02 | 164 | 1343 | 1.519 ug/L | 96     |

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

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