

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032819\  
 Data File : VV009989.D  
 Acq On : 29 Mar 2019 02:41  
 Operator : SY/MD  
 Sample : K2120-04  
 Misc : 5.14G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5C7

Manual Integrations  
 APPROVED

MMDadoda  
 3/30/2019 12:41:06 AM

Quant Time: Mar 29 05:33:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 29 04:20:29 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 159490   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 115176   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 23727    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 70372    | 21.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.96%   |
| 7) Chloroethane-d5             | 1.56   | 69    | 105336   | 30.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.52%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 69477    | 7.85     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 31.40%#  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 12659m   | 20.99    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 41.98%   |
| 24) Chloroform-d               | 4.39   | 84    | 104201   | 25.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 65973    | 26.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.92%  |
| 29) Benzene-d6                 | 5.09   | 84    | 214325   | 35.43    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 141.72%# |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 64405    | 36.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 145.60%# |
| 37) Toluene-d8                 | 7.36   | 98    | 158743   | 27.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 110.92%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 13287    | 18.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.40%   |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 8480     | 25.67    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 51.34%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 35531    | 20.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 81.12%   |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 21648    | 23.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.84%   |

| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 7734 | 8.470 ug/L | 99     |
| 16) Methylene chloride | 2.53 | 84 | 8923 | 3.397 ug/L | 96     |

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

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