

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV032619\  
 Data File : VV009904.D  
 Acq On : 26 Mar 2019 19:54  
 Operator : SY/MD  
 Sample : K2083-18  
 Misc : 5.43G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF0J5

Quant Time: Mar 27 02:31:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 27 01:42:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 155931   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 155185   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 66487    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 79003    | 24.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.88%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 87986    | 25.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.00% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 169013   | 19.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.12%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 27015    | 45.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.64%  |
| 24) Chloroform-d               | 4.40   | 84    | 98500    | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 61515    | 25.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.92% |
| 29) Benzene-d6                 | 5.10   | 84    | 221201   | 27.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 108.56% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 66843    | 28.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 112.12% |
| 37) Toluene-d8                 | 7.36   | 98    | 203408   | 26.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.48% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 21003    | 21.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.12%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 19110    | 42.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.88%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 52684    | 22.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 66880    | 26.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.68% |

| Target Compounds           | R.T. | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|------|------|----------|-------|-------|--------|
| 22) cis-1,2-Dichloroethene | 3.96 | 96   | 9453     | 4.190 | ug/L  | 85     |
| 35) Trichloroethene        | 5.96 | 95   | 6622     | 2.946 | ug/L  | 96     |

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

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