

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032819\  
 Data File : VV009970.D  
 Acq On : 28 Mar 2019 17:12  
 Operator : SY/MD  
 Sample : K2101-21RE  
 Misc : 5.85G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFOLORE

Quant Time: Mar 29 03:47:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 29 02:19:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 111374   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 94954    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 29076    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 60375    | 26.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.84%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 64155    | 26.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 105.12%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 130584   | 21.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 84.48%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 28639    | 68.00    | ug/L | -0.01    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 136.00%# |
| 24) Chloroform-d               | 4.40   | 84    | 60762    | 21.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.64%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 48715    | 28.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 114.12%  |
| 29) Benzene-d6                 | 5.10   | 84    | 147776   | 29.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 118.52%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 43551    | 29.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.40%  |
| 37) Toluene-d8                 | 7.36   | 98    | 121198   | 25.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 102.72%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 15318    | 25.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 102.68%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 19020    | 69.85    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 139.70%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 43524    | 30.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.52%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 29233    | 26.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.64%  |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Ovalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 11141    | 3.469 | ug/L  | 95     |
| 16) Methylene chloride         | 2.54 | 84   | 8965     | 4.888 | ug/L  | 98     |
| 35) Trichloroethene            | 5.96 | 95   | 6108     | 4.441 | ug/L  | 91     |

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

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