

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV041119\  
 Data File : VV010269.D  
 Acq On : 12 Apr 2019 04:05  
 Operator : SY/MD  
 Sample : K2328-01  
 Misc : 5.57G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DB702

Manual Integrations  
 APPROVED

MMDadoda  
 4/15/2019 12:29:37 AM

Quant Time: Apr 12 06:45:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 04:45:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 36472    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 30843    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.31 | 152  | 9296     | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 6472     | 15.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.68%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 7419     | 20.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.24%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 10691    | 10.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 40.00%#  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 7292     | 68.63    | ug/L | 0.01     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 137.26%# |
| 24) Chloroform-d               | 4.40   | 84    | 21171    | 25.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.68%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 13408    | 28.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 113.04%  |
| 29) Benzene-d6                 | 5.10   | 84    | 39590    | 26.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.48%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 12695    | 28.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 114.80%  |
| 37) Toluene-d8                 | 7.36   | 98    | 30862    | 21.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.12%   |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 4083     | 22.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.56%   |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 2696m    | 35.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.58%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 10834    | 27.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 109.16%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 8204     | 23.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.60%   |

| Target Compounds           |      |    |       |             | Qvalue |
|----------------------------|------|----|-------|-------------|--------|
| 13) Acetone                | 2.19 | 43 | 2760  | 24.313 ug/L | 97     |
| 16) Methylene chloride     | 2.53 | 84 | 1621  | 2.269 ug/L  | 95     |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 2232m | 4.487 ug/L  |        |
| 35) Trichloroethene        | 5.96 | 95 | 3917  | 8.671 ug/L  | 97     |

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

