

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\  
 Data File : VW009766.D  
 Acq On : 06 Apr 2019 12:18  
 Operator : SY/VA  
 Sample : K2259-04  
 Misc : 4.17G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETJ43

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 11:43:01 AM

Quant Time: Apr 07 04:59:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Apr 07 03:56:20 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|--------------------------------|----------------|------|------------|----------|-------|----------|
| 1) 1,4-Difluorobenzene         | 8.84           | 114  | 257906     | 25.00    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5           | 11.63          | 117  | 192619     | 25.00    | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4     | 13.56          | 152  | 47887      | 25.00    | ug/L  | 0.00     |
| System Monitoring Compounds    |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3           | 2.36           | 65   | 73610      | 21.81    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 87.24%   |       |          |
| 7) Chloroethane-d5             | 2.89           | 69   | 78687      | 25.45    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 101.80%  |       |          |
| 10) 1,1-Dichloroethene-d2      | 4.02           | 63   | 133780     | 18.43    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 45 - 110 |      | Recovery = | 73.72%   |       |          |
| 20) 2-Butanone-d5              | 7.07           | 46   | 65727      | 59.98    | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 119.96%  |       |          |
| 24) Chloroform-d               | 7.64           | 84   | 202248     | 28.74    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 40 - 150 |      | Recovery = | 114.96%  |       |          |
| 26) 1,2-Dichloroethane-d4      | 8.31           | 65   | 132621     | 30.70    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 130 |      | Recovery = | 122.80%  |       |          |
| 29) Benzene-d6                 | 8.27           | 84   | 352836     | 34.89    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 20 - 135 |      | Recovery = | 139.56%# |       |          |
| 33) 1,2-Dichloropropane-d6     | 9.27           | 67   | 118119     | 37.82    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 120 |      | Recovery = | 151.28%# |       |          |
| 37) Toluene-d8                 | 10.32          | 98   | 264108     | 28.25    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 130 |      | Recovery = | 113.00%  |       |          |
| 38) trans-1,3-Dichloropropene- | 10.58          | 79   | 30546      | 20.51    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 135 |      | Recovery = | 82.04%   |       |          |
| 39) 2-Hexanone-d5              | 10.93          | 63   | 41844      | 71.08    | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 142.16%# |       |          |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69          | 84   | 100352     | 34.56    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 45 - 120 |      | Recovery = | 138.24%# |       |          |
| 61) 1,2-Dichlorobenzene-d4     | 13.85          | 152  | 47374      | 28.19    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 75 - 120 |      | Recovery = | 112.76%  |       |          |
| Target Compounds               |                |      |            |          |       |          |
| 13) Acetone                    | 4.12           | 43   | 83837      | 71.407   | ug/L  | 99       |
| 16) Methylene chloride         | 4.93           | 84   | 13841m     | 3.043    | ug/L  |          |
| 21) 2-Butanone                 | 7.17           | 43   | 41599      | 27.859   | ug/L  | 83       |
| 22) cis-1,2-Dichloroethene     | 7.16           | 96   | 1804       | 0.473    | ug/L  | 80       |

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

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