

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031619\  
 Data File : VW009210.D  
 Acq On : 16 Mar 2019 15:16  
 Operator : SY/VA  
 Sample : K1939-22  
 Misc : 5.37G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF0Y5

Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2019 10:03:30 AM

Quant Time: Mar 18 03:04:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 18 02:40:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 467010   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 441133   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 214190   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 142274   | 25.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.96% |
| 7) Chloroethane-d5             | 2.89   | 69    | 128468   | 19.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 208589   | 17.29    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.16%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 86468    | 37.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.94%  |
| 24) Chloroform-d               | 7.64   | 84    | 277897   | 21.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.20%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 164401m  | 21.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 85.64%  |
| 29) Benzene-d6                 | 8.27   | 84    | 543925   | 22.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 89.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 158312   | 21.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.68%  |
| 37) Toluene-d8                 | 10.32  | 98    | 488152   | 21.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.80%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 73681    | 20.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 66859    | 37.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 75.56%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 141122   | 19.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 182008   | 22.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.64%  |

## Target Compounds

|                            |       |     |        |        | Ovalue  |
|----------------------------|-------|-----|--------|--------|---------|
| 13) Acetone                | 4.12  | 43  | 4306   | 2.275  | ug/L 98 |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 302446 | 46.176 | ug/L 98 |
| 35) Trichloroethene        | 9.09  | 95  | 22492  | 3.496  | ug/L 96 |
| 47) Tetrachloroethene      | 10.86 | 164 | 139655 | 25.690 | ug/L 96 |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031619\  
Data File : VW009210.D  
Acq On : 16 Mar 2019 15:16  
Operator : SY/VA  
Sample : K1939-22  
Misc : 5.37G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF0Y5

Manual Integrations  
APPROVED

MMDadoda  
3/19/2019 10:03:30 AM

Quant Time: Mar 18 03:04:19 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 18 02:40:38 2019  
Response via : Initial Calibration

