

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\  
 Data File : VW014037.D  
 Acq On : 15 Nov 2019 13:35  
 Operator : SY/VA  
 Sample : K5811-07MS  
 Misc : 3.46G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETOP4MS

Manual Integrations  
 APPROVED

MMDadoda  
 11/18/2019 11:36:53 AM

Quant Time: Nov 16 04:28:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Nov 16 04:05:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 347303   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 326647   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 162671   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 108920   | 19.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.64%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 97645    | 21.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 245102   | 21.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 86.20%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 76688    | 47.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.28%  |
| 24) Chloroform-d               | 7.65   | 84    | 259135   | 24.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.08%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 137475   | 25.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 547250   | 23.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 165263   | 24.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.36%  |
| 37) Toluene-d8                 | 10.32  | 98    | 500378   | 22.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.08%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 66974    | 23.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.12%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 58989    | 45.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.64%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 123339   | 24.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 154928   | 23.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.84%  |

| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96  | 127568 | 21.758 ug/L | 92     |
| 13) Acetone            | 4.12  | 43  | 5428m  | 3.314 ug/L  |        |
| 34) Benzene            | 8.32  | 78  | 576762 | 24.072 ug/L | 100    |
| 35) Trichloroethene    | 9.09  | 95  | 147958 | 23.150 ug/L | 100    |
| 44) Toluene            | 10.38 | 91  | 623269 | 23.859 ug/L | 99     |
| 52) Chlorobenzene      | 11.65 | 112 | 382349 | 23.347 ug/L | 95     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111519\  
Data File : VW014037.D  
Acq On : 15 Nov 2019 13:35  
Operator : SY/VA  
Sample : K5811-07MS  
Misc : 3.46G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
ETOP4MS

Manual Integrations  
APPROVED

MMDadoda  
11/18/2019 11:36:53 AM

Quant Time: Nov 16 04:28:01 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Nov 16 04:05:25 2019  
Response via : Initial Calibration

