

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011620\  
 Data File : VW014664.D  
 Acq On : 16 Jan 2020 11:09  
 Operator : SY/VA  
 Sample : VW0116SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK21

Manual Integrations  
 APPROVED

MMDadoda  
 1/17/2020 1:58:24 PM

Quant Time: Jan 17 02:25:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 17 01:19:13 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1008473  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 896739   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 390839   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 312924   | 22.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 250476   | 23.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.64%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 462360   | 17.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.12%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 221100   | 65.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 130.72% |
| 24) Chloroform-d               | 7.65   | 84    | 576868   | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 317056m  | 26.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.32% |
| 29) Benzene-d6                 | 8.27   | 84    | 1244340  | 26.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.36% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 378107   | 26.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.48% |
| 37) Toluene-d8                 | 10.32  | 98    | 1113874  | 25.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 103.08% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 148033   | 25.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 100.00% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 164827   | 67.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 134.46% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 321707   | 29.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 119.52% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 357832   | 27.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 111.16% |

| Target Compounds |      |    |       | Ovalue        |
|------------------|------|----|-------|---------------|
| 13) Acetone      | 4.12 | 43 | 16857 | 3.599 ug/L 97 |

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

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