

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111519\  
 Data File : VW014049.D  
 Acq On : 15 Nov 2019 18:51  
 Operator : SY/VA  
 Sample : K5810-11  
 Misc : 5.31G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFLR8

Manual Integrations  
 APPROVED

MMDadoda  
 11/18/2019 11:37:10 AM

Quant Time: Nov 16 05:44:36 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  | 310691   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 248876   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 78669    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 110136   | 22.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.88%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 100438   | 24.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.96%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 173141m  | 17.02    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.08%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 75294    | 52.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.56%  |
| 24) Chloroform-d               | 7.64   | 84    | 257440   | 26.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 107.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 136492   | 28.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 113.68%  |
| 29) Benzene-d6                 | 8.27   | 84    | 525605   | 29.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 119.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 163893   | 31.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 126.72%# |
| 37) Toluene-d8                 | 10.32  | 98    | 441222   | 26.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.40%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 54201    | 24.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.88%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 54105    | 55.16    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 110.32%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 112355   | 28.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 115.04%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 83156    | 26.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 105.24%  |

Target Compounds Ovalue

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

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