

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\  
 Data File : VW016239.D  
 Acq On : 18 Aug 2020 14:14  
 Operator : SY/VA  
 Sample : L3709-08  
 Misc : 6.69G/10ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSR1

Manual Integrations  
 APPROVED

MMDadoda  
 8/19/2020 5:24:29 PM

Quant Time: Aug 19 06:47:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 19 05:49:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 372116   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 346857   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 144780   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 76754    | 16.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.56% |
| 7) Chloroethane-d5             | 2.90   | 69    | 61712    | 17.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 132183m  | 13.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 53.96% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 40740    | 33.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.12% |
| 24) Chloroform-d               | 7.65   | 84    | 196356   | 19.66    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 78.64% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 96419    | 18.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 72.72% |
| 29) Benzene-d6                 | 8.27   | 84    | 376367   | 19.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 79.80% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 112911   | 20.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 81.40% |
| 37) Toluene-d8                 | 10.33  | 98    | 336530   | 19.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.80% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 43762    | 17.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 70.20% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 33979    | 35.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.00% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 88372    | 19.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 116783   | 22.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.04% |

| Target Compounds       |       |     |       |            | Ovalue |
|------------------------|-------|-----|-------|------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 16648 | 2.833 ug/L | 94     |
| 47) Tetrachloroethene  | 10.86 | 164 | 32305 | 8.012 ug/L | 91     |

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

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