

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\  
 Data File : VW015761.D  
 Acq On : 29 Jun 2020 14:35  
 Operator : SY/VA  
 Sample : L3131-03  
 Misc : 5.31G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG2L8

Manual Integrations  
 APPROVED

MMDadoda  
 6/30/2020 3:46:47 PM

Quant Time: Jun 30 03:32:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062920S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 30 03:03:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 303583   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 277730   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 130881   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 107902   | 21.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.56% |
| 7) Chloroethane-d5             | 2.90   | 69    | 87848    | 21.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.28% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 150698   | 17.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.88% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 50471    | 48.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.06% |
| 24) Chloroform-d               | 7.65   | 84    | 186724   | 22.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.24% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 111895   | 23.25    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.00% |
| 29) Benzene-d6                 | 8.27   | 84    | 381897   | 23.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.24% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 111895   | 22.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.28% |
| 37) Toluene-d8                 | 10.33  | 98    | 350735   | 22.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.04% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 46749    | 21.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.12% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 37915    | 47.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.92% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 84595    | 22.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.00% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 116722   | 23.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.00% |

## Target Compounds

|                        |       |     |        |        | Ovalue   |
|------------------------|-------|-----|--------|--------|----------|
| 13) Acetone            | 4.14  | 43  | 9293   | 10.663 | ug/L 99  |
| 14) Carbon disulfide   | 4.39  | 76  | 172184 | 15.704 | ug/L 98  |
| 16) Methylene chloride | 4.93  | 84  | 9632   | 2.162  | ug/L 92  |
| 21) 2-Butanone         | 7.19  | 43  | 3477m  | 3.227  | ug/L     |
| 53) Ethylbenzene       | 11.73 | 91  | 31465  | 1.679  | ug/L 98  |
| 54) m,p-Xylene         | 11.84 | 106 | 21437  | 3.061  | ug/L 100 |
| 55) o-xylene           | 12.17 | 106 | 6803   | 1.016  | ug/L 97  |

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

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