

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012920\  
 Data File : VW014801.D  
 Acq On : 29 Jan 2020 18:02  
 Operator : SY/VA  
 Sample : L1303-08  
 Misc : 4.87G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AF3

Manual Integrations  
 APPROVED

MMDadoda  
 1/30/2020 5:33:37 PM

Quant Time: Jan 30 07:55:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 30 07:05:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1085050  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 947182   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 406222   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 393074   | 22.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.48% |
| 7) Chloroethane-d5             | 2.89   | 69    | 307714   | 21.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.28% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 514770   | 16.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.20% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 160016   | 32.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.58% |
| 24) Chloroform-d               | 7.65   | 84    | 656602   | 21.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.68% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 341592   | 21.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.72% |
| 29) Benzene-d6                 | 8.27   | 84    | 1367893  | 22.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 440522   | 23.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.08% |
| 37) Toluene-d8                 | 10.32  | 98    | 1247115  | 23.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 165291   | 22.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.56% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 137842   | 39.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.28% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 286065   | 19.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 368397   | 23.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.56% |

## Target Compounds

|                            |       |     |           |               | Ovalue |
|----------------------------|-------|-----|-----------|---------------|--------|
| 13) Acetone                | 4.12  | 43  | 19410     | 3.714 ug/L    | 100    |
| 16) Methylene chloride     | 4.90  | 84  | 47083m    | 2.568 ug/L    |        |
| 22) cis-1,2-Dichloroethene | 7.16  | 96  | 159642    | 9.963 ug/L    | 99     |
| 35) Trichloroethene        | 9.09  | 95  | 142502    | 9.247 ug/L    | 98     |
| 46) 1,1,2-Trichloroethane  | 10.79 | 97  | 22843     | 2.176 ug/L    | 92     |
| 47) Tetrachloroethene      | 10.85 | 164 | 27192178m | 2208.374 ug/L |        |
| 52) Chlorobenzene          | 11.66 | 112 | 35614     | 0.925 ug/L    | 96     |

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

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