

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012920\  
 Data File : VW014795.D  
 Acq On : 29 Jan 2020 15:25  
 Operator : SY/VA  
 Sample : L1303-05  
 Misc : 5.94G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AF0

Manual Integrations  
 APPROVED

MMDadoda  
 1/30/2020 5:33:21 PM

Quant Time: Jan 30 07:33:13 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  | 1204527  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1068248  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 441315   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 395292   | 20.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.88% |
| 7) Chloroethane-d5             | 2.89   | 69    | 324011   | 19.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.96% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 576661   | 16.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.80% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 152800   | 28.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 56.42% |
| 24) Chloroform-d               | 7.65   | 84    | 662539   | 19.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 318079   | 17.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 71.04% |
| 29) Benzene-d6                 | 8.27   | 84    | 1338644  | 19.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 79.64% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 406622   | 19.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 77.84% |
| 37) Toluene-d8                 | 10.32  | 98    | 1210713  | 20.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.84% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 155576   | 18.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.72% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 112230   | 28.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.24% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 246136   | 15.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 60.04% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 340612   | 19.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 78.76% |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------------|------|------|----------|--------|-------|--------|
| 13) Acetone                  | 4.12 | 43   | 32954    | 5.680  | ug/L  | 97     |
| 16) Methylene chloride       | 4.92 | 84   | 45524    | 2.236  | ug/L  | 94     |
| 18) trans-1,2-Dichloroethene | 5.43 | 96   | 8764m    | 0.516  | ug/L  |        |
| 22) cis-1,2-Dichloroethene   | 7.17 | 96   | 397782   | 22.364 | ug/L  | 99     |
| 35) Trichloroethene          | 9.09 | 95   | 11809    | 0.679  | ug/L  | 97     |

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

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