

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\  
 Data File : VW010224.D  
 Acq On : 30 Apr 2019 18:11  
 Operator : SY/VA  
 Sample : K2604-15MS  
 Misc : 5.07G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAJ88MS

Manual Integrations  
 APPROVED

MMDadoda  
 5/2/2019 1:31:33 PM

Quant Time: May 01 07:01:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042919S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 01 03:52:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 596415   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 564599   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 319620   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 116518   | 17.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.88% |
| 7) Chloroethane-d5             | 2.89   | 69    | 100918   | 18.19    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.76% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 257752   | 17.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.52% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 110647   | 44.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.68% |
| 24) Chloroform-d               | 7.64   | 84    | 331818   | 21.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.88% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 188551   | 21.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 600196   | 19.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 78.96% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 201423   | 21.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.84% |
| 37) Toluene-d8                 | 10.32  | 98    | 554389   | 20.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.20% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 85927    | 19.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.56% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 97379    | 48.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.58% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 166813   | 20.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 82.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 288827   | 24.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.32% |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|------------------------|-------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 4.03  | 96   | 141075   | 19.482 | ug/L  | 94     |
| 13) Acetone            | 4.12  | 43   | 13689    | 6.941  | ug/L  | 96     |
| 16) Methylene chloride | 4.92  | 84   | 21099m   | 2.126  | ug/L  |        |
| 34) Benzene            | 8.32  | 78   | 803089   | 25.348 | ug/L  | 100    |
| 35) Trichloroethene    | 9.09  | 95   | 195903   | 23.189 | ug/L  | 99     |
| 44) Toluene            | 10.38 | 91   | 876538   | 25.850 | ug/L  | 99     |
| 52) Chlorobenzene      | 11.66 | 112  | 532606   | 23.978 | ug/L  | 99     |
| 54) m,p-Xylene         | 11.84 | 106  | 16814    | 1.164  | ug/L  | 88     |
| 55) o-xylene           | 12.16 | 106  | 23947    | 1.753  | ug/L  | 93     |

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

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