

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020320\  
 Data File : VW014848.D  
 Acq On : 03 Feb 2020 21:20  
 Operator : SY/VA  
 Sample : L1323-09  
 Misc : 5.01G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAT47

Manual Integrations  
 APPROVED

MMDadoda  
 2/4/2020 3:40:03 PM

Quant Time: Feb 04 08:13:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 04 06:54:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 976266   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 827617   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 258392   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 294456   | 19.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 287421   | 19.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.64%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 488356   | 15.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.12%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 235613   | 41.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.00%  |
| 24) Chloroform-d               | 7.65   | 84    | 698541   | 22.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.92%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 395243m  | 22.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.48%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1440316  | 24.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 485886   | 25.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.64% |
| 37) Toluene-d8                 | 10.32  | 98    | 1210168  | 23.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.04%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 164214   | 21.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.80%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 185103   | 49.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.90%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 315918   | 21.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 254427   | 23.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.00%  |

| Target Compounds       |       |     |        |            | Ovalue |
|------------------------|-------|-----|--------|------------|--------|
| 13) Acetone            | 4.12  | 43  | 26121  | 4.203 ug/L | 99     |
| 16) Methylene chloride | 4.92  | 84  | 45187  | 2.507 ug/L | 97     |
| 44) Toluene            | 10.38 | 91  | 100846 | 1.739 ug/L | 98     |
| 56) Styrene            | 12.18 | 104 | 16912  | 0.464 ug/L | 96     |

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

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