

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\  
 Data File : VV014468.D  
 Acq On : 31 Jan 2020 22:34  
 Operator : SY/MD  
 Sample : L1324-09  
 Misc : 5.10g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAT66

Quant Time: Feb 01 03:43:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 01 02:36:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 384576   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 391071   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 215720   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 95253    | 44.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.20%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 37862    | 28.51    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 57.02%# |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 97098    | 34.05    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.10%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 137330   | 95.56    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.56%  |
| 24) Chloroform-d               | 4.39    | 84    | 191844   | 42.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 129192   | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.90%  |
| 32) Benzene-d6                 | 5.09    | 84    | 417354   | 40.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 133476   | 40.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 81.94%  |
| 41) Toluene-d8                 | 7.35    | 98    | 416365   | 43.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 72561    | 43.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.64%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 139407   | 109.37   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 109.37% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 201348   | 47.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.94%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 183592   | 46.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.42%  |

## Target Compounds

| Target Compounds     | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|----------------------|------|------|----------|--------|--------|--------|
| 3) Chloromethane     | 1.25 | 50   | 3182     | 0.948  | ug/L   | 98     |
| 13) Acetone          | 2.20 | 43   | 2383     | 1.943  | ug/L   | 80     |
| 15) Methyl Acetate   | 2.47 | 43   | 2195     | 0.929  | ug/L # | 85     |
| 33) Benzene          | 5.14 | 78   | 54571    | 4.729  | ug/L   | 100    |
| 42) Toluene          | 7.43 | 91   | 113604   | 9.405  | ug/L   | 99     |
| 52) Ethylbenzene     | 9.05 | 91   | 361778   | 26.685 | ug/L   | 99     |
| 53) m,p-Xylene       | 9.18 | 106  | 319266   | 63.066 | ug/L   | 97     |
| 54) o-xylene         | 9.59 | 106  | 187627   | 37.404 | ug/L   | 99     |
| 55) Styrene          | 9.60 | 104  | 462106   | 54.892 | ug/L   | 99     |
| 56) Isopropylbenzene | 9.97 | 105  | 12143    | 0.947  | ug/L   | 95     |

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

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