

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071919\  
 Data File : VU033338.D  
 Acq On : 19 Jul 2019 15:41  
 Operator : JC/SP  
 Sample : K3831-03MSD  
 Misc : 14.82g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 GAMR0MSD

Manual Integrations  
 APPROVED

MMDadoda  
 7/22/2019 3:53:14 PM

Quant Time: Aug 02 06:01:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 19 22:54:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 310702   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 306655   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 177810   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 91306    | 38.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.64%  |
| 7) Chloroethane-d5             | 1.63    | 69    | 95815    | 47.69    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.38%  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 232120   | 54.41    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 108.82% |
| 21) 2-Butanone-d5              | 4.16    | 46    | 168260   | 112.91   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 112.91% |
| 24) Chloroform-d               | 4.62    | 84    | 181090   | 45.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 126887   | 50.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.38% |
| 32) Benzene-d6                 | 5.31    | 84    | 382916   | 50.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.80% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 124229   | 51.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.10% |
| 41) Toluene-d8                 | 7.55    | 98    | 382478   | 53.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.84% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 67261    | 56.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 113.84% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 139763   | 128.65   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 128.65% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 209870   | 57.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 115.08% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 170203   | 53.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.36% |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|------------------------|-------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 2.24  | 96   | 103296m  | 49.809 | ug/L  |        |
| 15) Methyl Acetate     | 2.60  | 43   | 6123     | 2.518  | ug/L  | # 76   |
| 29) Cyclohexane        | 4.95  | 56   | 92341    | 27.635 | ug/L  | # 78   |
| 33) Benzene            | 5.36  | 78   | 415174   | 46.425 | ug/L  | 100    |
| 34) Trichloroethene    | 6.16  | 95   | 108903   | 46.563 | ug/L  | 97     |
| 35) Methylcyclohexane  | 6.39  | 83   | 315609   | 88.092 | ug/L  | 92     |
| 42) Toluene            | 7.62  | 91   | 458813   | 47.588 | ug/L  | 98     |
| 51) Chlorobenzene      | 9.11  | 112  | 304565   | 48.397 | ug/L  | 99     |
| 52) Ethylbenzene       | 9.23  | 91   | 264181   | 25.607 | ug/L  | 99     |
| 53) m,p-Xylene         | 9.36  | 106  | 192132   | 49.167 | ug/L  | 100    |
| 56) Isopropylbenzene   | 10.15 | 105  | 154950   | 15.519 | ug/L  | 99     |

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

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