

Data File : VU033806.D  
Acq On : 15 Aug 2019 13:26  
Operator : JC/SP  
Sample : MDL05  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Aug 16 01:24:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUTR081419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 16 01:09:16 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 178741   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 190245   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 87243    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 75545    | 3.73     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 74.60% |
| 7) Chloroethane-d5             | 1.67   | 69    | 66180    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.60% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 65    | 36766    | 3.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.20% |
| 20) 2-Butanone-d5              | 4.20   | 46    | 185567   | 47.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.94% |
| 24) Chloroform-d               | 4.62   | 84    | 126487   | 4.19     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.80% |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 67006    | 4.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.80% |
| 32) Benzene-d6                 | 5.32   | 84    | 232485   | 3.98     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 79.60% |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 77576    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.60% |
| 41) Toluene-d8                 | 7.55   | 98    | 193565   | 3.60     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 72.00% |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 27572    | 3.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.20% |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 124050   | 42.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.88% |
| 56) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 68604    | 4.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 85.60% |
| 66) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 80318    | 4.54     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 90.80% |

#### Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 7453   | 0.288 ug/L   | 99     |
| 3) Chloromethane               | 1.32 | 50  | 7805   | 0.290 ug/L   | 90     |
| 5) Vinyl chloride              | 1.39 | 62  | 8763   | 0.299 ug/L # | 70     |
| 6) Bromomethane                | 1.62 | 94  | 4949   | 0.290 ug/L   | 87     |
| 8) Chloroethane                | 1.69 | 64  | 5116   | 0.295 ug/L   | 94     |
| 9) Trichlorofluoromethane      | 1.88 | 101 | 11598  | 0.289 ug/L   | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 7313   | 0.343 ug/L   | 94     |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 7294   | 0.354 ug/L # | 1      |
| 13) Acetone                    | 2.36 | 43  | 14958m | 3.591 ug/L   |        |
| 14) Carbon disulfide           | 2.46 | 76  | 20634  | 0.295 ug/L   | 99     |
| 15) Methyl Acetate             | 2.61 | 43  | 2744   | 0.253 ug/L # | 84     |
| 16) Methylene chloride         | 2.68 | 84  | 8904   | 0.370 ug/L   | 97     |
| 17) Methyl tert-butyl Ether    | 2.99 | 73  | 15007  | 0.281 ug/L # | 92     |
| 18) trans-1,2-Dichloroethene   | 2.96 | 96  | 6806   | 0.308 ug/L   | 98     |
| 19) 1,1-Dichloroethane         | 3.42 | 63  | 9932   | 0.287 ug/L   | 97     |
| 21) 2-Butanone                 | 4.29 | 43  | 12282  | 2.381 ug/L   | 83     |
| 22) cis-1,2-Dichloroethene     | 4.20 | 96  | 5167   | 0.274 ug/L   | 90     |

Data File : VU033806.D  
Acq On : 15 Aug 2019 13:26  
Operator : JC/SP  
Sample : MDL05  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Aug 16 01:24:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUTR081419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 16 01:09:16 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 23) Bromochloromethane         | 4.52  | 128  | 2720     | 0.301 | ug/L   | 97       |
| 25) Chloroform                 | 4.65  | 83   | 14834    | 0.399 | ug/L   | 93       |
| 27) 1,2-Dichloroethane         | 5.39  | 62   | 6824     | 0.298 | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane      | 4.89  | 97   | 8534     | 0.276 | ug/L   | 98       |
| 30) Cyclohexane                | 4.96  | 56   | 6250     | 0.223 | ug/L   | 96       |
| 31) Carbon tetrachloride       | 5.11  | 117  | 7862     | 0.285 | ug/L   | 94       |
| 33) Benzene                    | 5.37  | 78   | 20563    | 0.270 | ug/L   | 100      |
| 34) Trichloroethene            | 6.17  | 95   | 6167     | 0.309 | ug/L   | 87       |
| 35) Methylcyclohexane          | 6.40  | 83   | 7301     | 0.244 | ug/L   | 97       |
| 37) 1,2-Dichloropropane        | 6.41  | 63   | 5757     | 0.280 | ug/L # | 91       |
| 38) Bromodichloromethane       | 6.74  | 83   | 7665     | 0.296 | ug/L # | 94       |
| 39) cis-1,3-Dichloropropene    | 7.26  | 75   | 7329     | 0.264 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone       | 7.45  | 43   | 26693    | 2.246 | ug/L # | 88       |
| 42) Toluene                    | 7.62  | 91   | 20366    | 0.255 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 7.87  | 75   | 5843     | 0.252 | ug/L   | 92       |
| 45) 1,1,2-Trichloroethane      | 8.05  | 97   | 3995     | 0.272 | ug/L   | 93       |
| 47) Tetrachloroethene          | 8.21  | 164  | 4603     | 0.277 | ug/L   | 88       |
| 48) 2-Hexanone                 | 8.35  | 43   | 29447    | 3.427 | ug/L   | 94       |
| 49) Dibromochloromethane       | 8.46  | 129  | 4885     | 0.274 | ug/L   | 88       |
| 50) 1,2-Dibromoethane          | 8.57  | 107  | 3813     | 0.268 | ug/L # | 94       |
| 51) Chlorobenzene              | 9.11  | 112  | 13613    | 0.264 | ug/L   | 90       |
| 52) Ethylbenzene               | 9.23  | 91   | 19803    | 0.239 | ug/L   | 96       |
| 53) m,p-Xylene                 | 9.36  | 106  | 6653     | 0.213 | ug/L   | 91       |
| 54) o-Xylene                   | 9.76  | 106  | 5744     | 0.194 | ug/L   | 85       |
| 55) Styrene                    | 9.78  | 104  | 9559     | 0.186 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 5631     | 0.292 | ug/L # | 95       |
| 59) Isopropylbenzene           | 10.15 | 105  | 15708    | 0.236 | ug/L   | 96       |
| 60) Bromoform                  | 9.95  | 173  | 2675     | 0.300 | ug/L # | 94       |
| 61) 1,2,3-Trichloropropane     | 10.48 | 75   | 3710     | 0.320 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene     | 10.76 | 105  | 11768    | 0.218 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 11767    | 0.218 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene        | 11.40 | 146  | 10341    | 0.291 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene        | 11.49 | 146  | 10947    | 0.299 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene        | 11.86 | 146  | 10899    | 0.317 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropropan | 12.64 | 75   | 628      | 0.248 | ug/L # | 82       |
| 69) 1,3,5-Trichlorobenzene     | 12.88 | 180  | 7652     | 0.274 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene     | 13.49 | 180  | 4606     | 0.212 | ug/L   | 95       |
| 71) Naphthalene                | 13.74 | 128  | 6220     | 0.186 | ug/L # | 89       |
| 72) 1,2,3-Trichlorobenzene     | 13.98 | 180  | 4614     | 0.225 | ug/L   | 97       |

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

Data File : VU033806.D  
Acq On : 15 Aug 2019 13:26  
Operator : JC/SP  
Sample : MDL05  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Aug 16 01:24:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUTR081419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 16 01:09:16 2019  
Response via : Initial Calibration

