

Data File : VU027781.D  
Acq On : 24 Oct 2018 13:23  
Operator : MD/SY  
Sample : MDL05  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Manual Integrations  
APPROVED

MMDadoda  
10/26/2018 11:26:38 AM

Quant Time: Oct 25 06:36:49 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102418WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 25 04:31:14 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 41496    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 39292    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 19703    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 15442    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.20%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 11429    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 23102    | 3.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.40%  |
| 20) 2-Butanone-d5              | 4.22   | 46    | 49579    | 48.21    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.42%  |
| 24) Chloroform-d               | 4.65   | 84    | 27834    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.32   | 65    | 16975    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 32) Benzene-d6                 | 5.34   | 84    | 51425    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 18266    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 7.57   | 98    | 48966    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 7369     | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.60%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 42512    | 51.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 13392    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 17576    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.60%  |

#### Target Compounds

|                                |      |     |      |              | Qvalue |
|--------------------------------|------|-----|------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 1125 | 0.280 ug/L # | 79     |
| 3) Chloromethane               | 1.33 | 50  | 1290 | 0.285 ug/L   | 95     |
| 5) Vinyl chloride              | 1.40 | 62  | 1067 | 0.245 ug/L # | 61     |
| 6) Bromomethane                | 1.63 | 94  | 606  | 0.272 ug/L   | 81     |
| 8) Chloroethane                | 1.70 | 64  | 564  | 0.240 ug/L # | 83     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 1463 | 0.254 ug/L   | 96     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 894  | 0.308 ug/L   | 88     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 847  | 0.313 ug/L # | 1      |
| 13) Acetone                    | 2.36 | 43  | 1875 | 2.529 ug/L   | 99     |
| 14) Carbon disulfide           | 2.48 | 76  | 2459 | 0.265 ug/L   | 99     |
| 16) Methylene chloride         | 2.70 | 84  | 1291 | 0.405 ug/L   | 90     |
| 17) Methyl tert-butyl Ether    | 3.01 | 73  | 2194 | 0.253 ug/L # | 77     |
| 18) trans-1,2-Dichloroethene   | 2.99 | 96  | 774  | 0.267 ug/L   | 92     |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 1711 | 0.267 ug/L # | 86     |
| 21) 2-Butanone                 | 4.31 | 43  | 3558 | 2.925 ug/L   | 85     |
| 22) cis-1,2-Dichloroethene     | 4.23 | 96  | 780  | 0.227 ug/L   | 86     |
| 25) Chloroform                 | 4.67 | 83  | 1792 | 0.278 ug/L   | 99     |

Data File : VU027781.D  
Acq On : 24 Oct 2018 13:23  
Operator : MD/SY  
Sample : MDL05  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Manual Integrations  
APPROVED

MMDadoda  
10/26/2018 11:26:38 AM

Quant Time: Oct 25 06:36:49 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102418WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 25 04:31:14 2018  
Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.42  | 62   | 1245     | 0.261 | ug/L # | 79       |
| 29) 1,1,1-Trichloroethane     | 4.91  | 97   | 1340     | 0.237 | ug/L   | 90       |
| 30) Cyclohexane               | 4.99  | 56   | 1550     | 0.245 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.13  | 117  | 1249     | 0.258 | ug/L   | 98       |
| 33) Benzene                   | 5.39  | 78   | 3602     | 0.276 | ug/L   | 100      |
| 34) Trichloroethene           | 6.19  | 95   | 902      | 0.267 | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.42  | 83   | 1562     | 0.276 | ug/L # | 92       |
| 38) Bromodichloromethane      | 6.76  | 83   | 1201     | 0.262 | ug/L # | 95       |
| 39) cis-1,3-Dichloropropene   | 7.28  | 75   | 1440     | 0.262 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.47  | 43   | 7781     | 2.715 | ug/L # | 87       |
| 42) Toluene                   | 7.64  | 91   | 3837     | 0.273 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.88  | 75   | 1272     | 0.275 | ug/L   | 88       |
| 45) 1,1,2-Trichloroethane     | 8.07  | 97   | 483      | 0.209 | ug/L   | 93       |
| 47) Tetrachloroethene         | 8.22  | 164  | 702      | 0.255 | ug/L   | 93       |
| 48) 2-Hexanone                | 8.37  | 43   | 6016     | 2.954 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.48  | 129  | 625      | 0.212 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.59  | 107  | 514      | 0.229 | ug/L # | 86       |
| 51) Chlorobenzene             | 9.12  | 112  | 2485     | 0.287 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.25  | 91   | 4094     | 0.251 | ug/L   | 92       |
| 53) m,p-xylene                | 9.37  | 106  | 1516     | 0.263 | ug/L   | 95       |
| 54) o-xylene                  | 9.78  | 106  | 1380     | 0.245 | ug/L   | 91       |
| 55) Styrene                   | 9.80  | 104  | 2439     | 0.255 | ug/L   | 94       |
| 56) Isopropylbenzene          | 10.17 | 105  | 4042     | 0.259 | ug/L   | 96       |
| 58) 1,1,2,2-Tetrachloroethane | 10.46 | 83   | 721      | 0.237 | ug/L # | 80       |
| 59) 1,2,3-Trichloropropane    | 10.50 | 75   | 551m     | 0.228 | ug/L   |          |
| 62) 1,3-Dichlorobenzene       | 11.42 | 146  | 1726     | 0.249 | ug/L   | 92       |
| 63) 1,4-Dichlorobenzene       | 11.51 | 146  | 1912     | 0.273 | ug/L   | 91       |
| 65) 1,2-Dichlorobenzene       | 11.88 | 146  | 1688     | 0.259 | ug/L # | 85       |
| 67) 1,3,5-Trichlorobenzene    | 12.89 | 180  | 1495     | 0.269 | ug/L # | 95       |
| 68) 1,2,4-trichlorobenzene    | 13.51 | 180  | 1323     | 0.274 | ug/L # | 84       |
| 70) 1,2,3-Trichlorobenzene    | 13.99 | 180  | 1023     | 0.230 | ug/L # | 90       |

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

Data File : VU027781.D  
Acq On : 24 Oct 2018 13:23  
Operator : MD/SY  
Sample : MDL05  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL05

Manual Integrations  
APPROVED

MMDadoda  
10/26/2018 11:26:38 AM

Quant Time: Oct 25 06:36:49 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102418WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 25 04:31:14 2018  
Response via : Initial Calibration

