

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\  
 Data File : VV017607.D  
 Acq On : 23 Jul 2020 16:39  
 Operator : SY/MD  
 Sample : MDL02  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL02

Manual Integrations  
 APPROVED

sam  
 7/24/2020 7:04:43 PM

Quant Time: Jul 24 11:59:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 24 02:05:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 181391   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 175562   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 88384    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 41579    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 33373    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.80% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 68576    | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 100321   | 48.42    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.84%  |
| 24) Chloroform-d               | 4.38   | 84    | 101618   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 55779    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.20% |
| 32) Benzene-d6                 | 5.07   | 84    | 191852   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 54809    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.80% |
| 41) Toluene-d8                 | 7.34   | 98    | 175093   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 22669    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.00%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 69013    | 45.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.36%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 37049    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.00%  |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 67322    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.80% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85   | 5417     | 0.273 | ug/L   | 96     |
| 3) Chloromethane               | 1.24 | 50   | 3580     | 0.277 | ug/L   | 92     |
| 5) Vinyl chloride              | 1.32 | 62   | 3465     | 0.267 | ug/L # | 69     |
| 6) Bromomethane                | 1.53 | 94   | 2433     | 0.292 | ug/L   | 93     |
| 8) Chloroethane                | 1.60 | 64   | 2265     | 0.303 | ug/L   | 92     |
| 9) Trichlorofluoromethane      | 1.76 | 101  | 6004     | 0.259 | ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 3730     | 0.345 | ug/L   | 94     |
| 12) 1,1-Dichloroethene         | 2.13 | 96   | 3117     | 0.319 | ug/L # | 1      |
| 13) Acetone                    | 2.23 | 43   | 6083m    | 3.750 | ug/L   |        |
| 14) Carbon disulfide           | 2.31 | 76   | 8474     | 0.285 | ug/L   | 97     |
| 16) Methylene chloride         | 2.52 | 84   | 5001     | 0.460 | ug/L   | 90     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73   | 6801     | 0.272 | ug/L # | 88     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96   | 3424     | 0.322 | ug/L   | 80     |
| 19) 1,1-Dichloroethane         | 3.21 | 63   | 5754     | 0.257 | ug/L   | 97     |
| 21) 2-Butanone                 | 4.06 | 43   | 7721m    | 2.819 | ug/L   |        |
| 22) cis-1,2-Dichloroethene     | 3.95 | 96   | 3554     | 0.265 | ug/L   | 76     |
| 23) Bromochloromethane         | 4.28 | 128  | 1563m    | 0.253 | ug/L   |        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\  
 Data File : VV017607.D  
 Acq On : 23 Jul 2020 16:39  
 Operator : SY/MD  
 Sample : MDL02  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL02

Manual Integrations  
 APPROVED

sam  
 7/24/2020 7:04:43 PM

Quant Time: Jul 24 11:59:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 24 02:05:28 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 25) Chloroform                 | 4.40  | 83   | 7679     | 0.306 | ug/L   | 91       |
| 27) 1,2-Dichloroethane         | 5.17  | 62   | 4696     | 0.288 | ug/L # | 90       |
| 29) 1,1,1-Trichloroethane      | 4.63  | 97   | 5942     | 0.242 | ug/L   | 99       |
| 30) Cyclohexane                | 4.70  | 56   | 4556m    | 0.234 | ug/L   |          |
| 31) Carbon tetrachloride       | 4.85  | 117  | 5614     | 0.257 | ug/L   | 97       |
| 33) Benzene                    | 5.13  | 78   | 13205    | 0.266 | ug/L   | 100      |
| 34) Trichloroethene            | 5.94  | 95   | 3763     | 0.271 | ug/L   | 94       |
| 35) Methylcyclohexane          | 6.15  | 83   | 4808     | 0.229 | ug/L   | 94       |
| 37) 1,2-Dichloropropane        | 6.20  | 63   | 3173     | 0.272 | ug/L   | 97       |
| 38) Bromodichloromethane       | 6.54  | 83   | 4524     | 0.263 | ug/L # | 80       |
| 39) cis-1,3-Dichloropropene    | 7.06  | 75   | 3908m    | 0.222 | ug/L   |          |
| 40) 4-Methyl-2-pentanone       | 7.26  | 43   | 14113    | 2.204 | ug/L # | 86       |
| 42) Toluene                    | 7.41  | 91   | 13039    | 0.241 | ug/L   | 99       |
| 43) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 11070    | 0.219 | ug/L   | 94       |
| 44) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 10469    | 0.202 | ug/L   | 96       |
| 46) trans-1,3-Dichloropropene  | 7.68  | 75   | 4620     | 0.292 | ug/L   | 99       |
| 47) 1,1,2-Trichloroethane      | 7.87  | 97   | 2046     | 0.231 | ug/L # | 70       |
| 49) Tetrachloroethene          | 8.00  | 164  | 3019     | 0.247 | ug/L   | 95       |
| 50) 2-Hexanone                 | 8.17  | 43   | 15188    | 3.352 | ug/L # | 88       |
| 51) Dibromochloromethane       | 8.27  | 129  | 2779     | 0.247 | ug/L   | 95       |
| 52) 1,2-Dibromoethane          | 8.38  | 107  | 1860     | 0.223 | ug/L # | 76       |
| 53) Chlorobenzene              | 8.91  | 112  | 9723     | 0.269 | ug/L   | 88       |
| 54) Ethylbenzene               | 9.04  | 91   | 14449    | 0.238 | ug/L   | 99       |
| 55) m,p-xylene                 | 9.16  | 106  | 5615     | 0.246 | ug/L   | 88       |
| 56) o-xylene                   | 9.57  | 106  | 5753     | 0.259 | ug/L   | 81       |
| 57) Styrene                    | 9.59  | 104  | 8392     | 0.227 | ug/L   | 95       |
| 58) Isopropylbenzene           | 9.95  | 105  | 13639    | 0.223 | ug/L   | 99       |
| 60) 1,1,2,2-Tetrachloroethane  | 10.27 | 83   | 2863     | 0.297 | ug/L # | 85       |
| 62) Bromoform                  | 9.75  | 173  | 1529     | 0.270 | ug/L # | 88       |
| 63) 1,3-Dichlorobenzene        | 11.21 | 146  | 7351     | 0.258 | ug/L   | 96       |
| 64) 1,4-Dichlorobenzene        | 11.29 | 146  | 8278     | 0.290 | ug/L   | 97       |
| 66) 1,2-Dichlorobenzene        | 11.67 | 146  | 7949     | 0.307 | ug/L   | 97       |
| 67) 1,2-Dibromo-3-chloropropan | 12.47 | 75   | 360m     | 0.222 | ug/L   |          |
| 68) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 6568     | 0.284 | ug/L   | 94       |
| 69) 1,2,4-trichlorobenzene     | 13.29 | 180  | 6014     | 0.311 | ug/L   | 96       |
| 70) Naphthalene                | 13.53 | 128  | 5582     | 0.207 | ug/L # | 91       |
| 71) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 4176     | 0.244 | ug/L   | 94       |
| -----                          |       |      |          |       |        |          |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\  
Data File : VV017607.D  
Acq On : 23 Jul 2020 16:39  
Operator : SY/MD  
Sample : MDL02  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL02

Manual Integrations  
APPROVED

sam  
7/24/2020 7:04:43 PM

Quant Time: Jul 24 11:59:09 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072320WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 24 02:05:28 2020  
Response via : Initial Calibration

