

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112524\  
 Data File : VU062020.D  
 Acq On : 25 Nov 2024 14:09  
 Operator : MD/SY  
 Sample : P4776-02  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT4-2024-08

Quant Time: Nov 26 03:56:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Nov 25 01:25:39 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 121012   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 112809   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 52467    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 18923    | 3.188    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 63.800%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 17022    | 3.242    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 64.800%# |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 8704     | 3.670    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.400%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 81133    | 43.527   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 87.060%  |
| 24) Chloroform-d              | 5.055  | 84    | 62352    | 4.306    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 32337    | 4.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.800%  |
| 32) Benzene-d6                | 5.718  | 84    | 98365    | 4.475    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 34836    | 4.664    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.200%  |
| 41) Toluene-d8                | 7.891  | 98    | 81398    | 4.440    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 13146    | 4.755    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.000%  |
| 46) 2-Hexanone-d5             | 8.628  | 63    | 56541    | 44.804   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 89.600%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 33230    | 4.453    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 38006    | 4.899    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 2749     | 0.260    | ug/L   | 96       |
| 3) Chloromethane              | 1.515  | 50    | 2548     | 0.233    | ug/L   | 94       |
| 5) Vinyl chloride             | 1.599  | 62    | 2468     | 0.220    | ug/L # | 60       |
| 6) Bromomethane               | 1.853  | 94    | 1594     | 0.239    | ug/L   | 94       |
| 8) Chloroethane               | 1.927  | 64    | 1955     | 0.270    | ug/L   | 86       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 3758     | 0.265    | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 2198     | 0.252    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 2169     | 0.267    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.789  | 76    | 6128     | 0.237    | ug/L   | 97       |
| 16) Methylene chloride        | 3.033  | 84    | 2411     | 0.247    | ug/L   | 100      |
| 17) Methyl tert-butyl Ether   | 3.358  | 73    | 4670     | 0.225    | ug/L # | 93       |
| 18) trans-1,2-Dichloroethene  | 3.354  | 96    | 2018     | 0.235    | ug/L   | 88       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 3720     | 0.223    | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 2280     | 0.236    | ug/L   | 89       |
| 23) Bromochloromethane        | 4.978  | 128   | 896      | 0.213    | ug/L   | 83       |
| 25) Chloroform                | 5.081  | 83    | 4237     | 0.243    | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.795  | 62    | 2445     | 0.218    | ug/L # | 75       |
| 29) 1,1,1-Trichloroethane     | 5.313  | 97    | 3859     | 0.297    | ug/L   | 88       |
| 30) Cyclohexane               | 5.374  | 56    | 3259     | 0.240    | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112524\  
 Data File : VU062020.D  
 Acq On : 25 Nov 2024 14:09  
 Operator : MD/SY  
 Sample : P4776-02  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT4-2024-08

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 03:56:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Nov 25 01:25:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 31) Carbon tetrachloride      | 5.518  | 117  | 3365     | 0.305 | ug/L   | 93       |
| 33) Benzene                   | 5.772  | 78   | 9031     | 0.265 | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.756  | 83   | 3316     | 0.238 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.792  | 63   | 2162     | 0.244 | ug/L # | 87       |
| 38) Bromodichloromethane      | 7.100  | 83   | 2831     | 0.264 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 3224     | 0.260 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 10527    | 2.204 | ug/L   | 99       |
| 42) Toluene                   | 7.965  | 91   | 9311     | 0.260 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 2726     | 0.277 | ug/L   | 89       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 1574     | 0.241 | ug/L   | 94       |
| 49) Dibromochloromethane      | 8.798  | 129  | 1645     | 0.239 | ug/L   | 80       |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 1480     | 0.229 | ug/L # | 61       |
| 51) Chlorobenzene             | 9.438  | 112  | 6025     | 0.246 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 9731     | 0.227 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.692  | 106  | 3602     | 0.239 | ug/L   | 81       |
| 54) o-Xylene                  | 10.097 | 106  | 3306     | 0.217 | ug/L   | 86       |
| 55) Styrene                   | 10.119 | 104  | 4858     | 0.194 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 2043     | 0.244 | ug/L   | 92       |
| 59) Bromoform                 | 10.290 | 173  | 957      | 0.245 | ug/L # | 94       |
| 60) Isopropylbenzene          | 10.480 | 105  | 9083     | 0.222 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 1239     | 0.204 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 7433     | 0.228 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 7267     | 0.223 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 4356     | 0.240 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 4606     | 0.262 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 4510     | 0.286 | ug/L   | 91       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 147m     | 0.142 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 13.222 | 180  | 2780     | 0.257 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.843 | 180  | 2599     | 0.314 | ug/L   | 97       |
| 71) Naphthalene               | 14.103 | 128  | 4196m    | 0.314 | ug/L   |          |
| 72) 1,2,3-Trichlorobenzene    | 14.332 | 180  | 2196     | 0.308 | ug/L   | 96       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112524\  
Data File : VU062020.D  
Acq On : 25 Nov 2024 14:09  
Operator : MD/SY  
Sample : P4776-02  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT4-2024-08

Quant Time: Nov 26 03:56:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR112024WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Mon Nov 25 01:25:39 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

