Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
Data File : VU060857.D
Acq On : 18 Sep 2024 08:10
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005198

Quant Time: Sep 18 08:25:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 18 02:40:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.245 | 114 | 146535 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.412 | 117 | 152392 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152 | 79148 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.596 | 65 | 53965 | 4.095 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 81.800% | | | |
| 7) Chloroethane-d5 | 1.911 | 69 | 44249 | 4.715 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 94.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.563 | 65 | 21159 | 4.529 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 90.600% | | | |
| 20) 2-Butanone-d5 | 4.637 | 46 | 103693 | 49.008 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 98.020% | | | |
| 24) Chloroform-d | 5.055 | 84 | 97537 | 4.841 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.695 | 65 | 46680 | 4.847 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.000% | | | |
| 32) Benzene-d6 | 5.721 | 84 | 192412 | 4.711 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.682 | 67 | 60628 | 4.797 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.000% | | | |
| 41) Toluene-d8 | 7.891 | 98 | 186168 | 4.999 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 100.000% | | | |
| 43) trans-1,3-Dichloroprop... | 8.174 | 79 | 21441 | 4.713 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 94.200% | | | |
| 46) 2-Hexanone-d5 | 8.627 | 63 | 92978 | 51.815 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 103.620% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84 | 50307 | 5.081 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 101.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 66008 | 4.963 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 99.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 55254 | 4.995 | ug/L | 100 |
| 3) Chloromethane | 1.518 | 50 | 51127 | 4.376 | ug/L | 97 |
| 5) Vinyl chloride | 1.602 | 62 | 59047 | 4.669 | ug/L | 99 |
| 6) Bromomethane | 1.856 | 94 | 28184 | 3.487 | ug/L | 96 |
| 8) Chloroethane | 1.933 | 64 | 37019 | 4.791 | ug/L | 97 |
| 9) Trichlorofluoromethane | 2.136 | 101 | 84074 | 4.840 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576 | 101 | 48861 | 4.841 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 2.576 | 96 | 44130 | 4.788 | ug/L | 92 |
| 13) Acetone | 2.660 | 43 | 63529 | 45.005 | ug/L | 93 |
| 14) Carbon disulfide | 2.788 | 76 | 123019 | 4.811 | ug/L | 100 |
| 15) Methyl Acetate | 2.962 | 43 | 16191 | 4.705 | ug/L # | 89 |
| 16) Methylene chloride | 3.042 | 84 | 55183 | 5.170 | ug/L | 90 |
| 17) Methyl tert-butyl Ether | 3.358 | 73 | 101273 | 4.861 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.351 | 96 | 46150 | 4.832 | ug/L | 93 |
| 19) 1,1-Dichloroethane | 3.862 | 63 | 90839 | 4.737 | ug/L | 99 |
| 21) 2-Butanone | 4.718 | 43 | 106292 | 46.257 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.660 | 96 | 51940 | 4.914 | ug/L | 94 |
| 23) Bromochloromethane | 4.968 | 128 | 25640 | 5.136 | ug/L | 92 |
| 25) Chloroform | 5.078 | 83 | 96339 | 4.818 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
Data File : VU060857.D
Acq On : 18 Sep 2024 08:10
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005198

Quant Time: Sep 18 08:25:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 18 02:40:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.788 | 62 | 53908 | 4.653 | ug/L | | 98 |
| 29) 1,1,1-Trichloroethane | 5.309 | 97 | 80519 | 4.894 | ug/L | | 99 |
| 30) Cyclohexane | 5.383 | 56 | 63488 | 4.695 | ug/L | | 96 |
| 31) Carbon tetrachloride | 5.518 | 117 | 72480 | 4.976 | ug/L | | 99 |
| 33) Benzene | 5.769 | 78 | 208116 | 4.967 | ug/L | | 100 |
| 34) Trichloroethene | 6.534 | 95 | 55419 | 5.045 | ug/L | | 97 |
| 35) Methylcyclohexane | 6.756 | 83 | 69621 | 4.620 | ug/L | | 97 |
| 37) 1,2-Dichloropropane | 6.785 | 63 | 57468 | 4.977 | ug/L | # | 97 |
| 38) Bromodichloromethane | 7.100 | 83 | 69525 | 4.909 | ug/L | | 100 |
| 39) cis-1,3-Dichloropropene | 7.602 | 75 | 72496 | 4.721 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.785 | 43 | 259206 | 48.074 | ug/L | | 97 |
| 42) Toluene | 7.962 | 91 | 231857 | 5.292 | ug/L | | 98 |
| 44) trans-1,3-Dichloropropene | 8.206 | 75 | 59861 | 4.740 | ug/L | | 98 |
| 45) 1,1,2-Trichloroethane | 8.393 | 97 | 42083 | 5.048 | ug/L | | 96 |
| 47) Tetrachloroethene | 8.547 | 164 | 43322 | 4.963 | ug/L | | 95 |
| 48) 2-Hexanone | 8.679 | 43 | 196960 | 50.116 | ug/L | | 97 |
| 49) Dibromochloromethane | 8.801 | 129 | 48281 | 5.088 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 8.917 | 107 | 37758 | 5.075 | ug/L | | 98 |
| 51) Chlorobenzene | 9.441 | 112 | 151577 | 5.152 | ug/L | | 96 |
| 52) Ethylbenzene | 9.563 | 91 | 230964 | 5.008 | ug/L | | 96 |
| 53) m,p-Xylene | 9.689 | 106 | 90639 | 5.183 | ug/L | | 97 |
| 54) o-Xylene | 10.094 | 106 | 87380 | 5.063 | ug/L | | 98 |
| 55) Styrene | 10.110 | 104 | 151018 | 5.192 | ug/L | | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 51258 | 4.930 | ug/L | | 94 |
| 59) Bromoform | 10.283 | 173 | 29200 | 4.895 | ug/L | | 100 |
| 60) Isopropylbenzene | 10.476 | 105 | 233391 | 4.976 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 10.817 | 75 | 35196 | 4.768 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.081 | 105 | 174641 | 4.791 | ug/L | | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.460 | 105 | 177545 | 4.929 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 11.740 | 146 | 119480 | 5.066 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 11.830 | 146 | 119030 | 4.883 | ug/L | | 100 |
| 67) 1,2-Dichlorobenzene | 12.206 | 146 | 110975 | 4.976 | ug/L | | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75 | 6700 | 4.648 | ug/L | # | 81 |
| 69) 1,3,5-Trichlorobenzene | 13.212 | 180 | 84773 | 4.805 | ug/L | | 99 |
| 70) 1,2,4-trichlorobenzene | 13.836 | 180 | 59732 | 4.807 | ug/L | | 99 |
| 71) Naphthalene | 14.084 | 128 | 73342 | 4.475 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.322 | 180 | 51816 | 4.826 | ug/L | | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091724\
Data File : VU060857.D
Acq On : 18 Sep 2024 08:10
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005198

Quant Time: Sep 18 08:25:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 18 02:40:24 2024
Response via : Initial Calibration