Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111521\
Data File : VU045797.D
Acq On : 15 Nov 2021 17:25
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005122

Quant Time: Nov 16 03:12:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 16 03:04:04 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 94214 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.420 | 117 | 96310 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.812 | 152 | 49390 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 33785 | 4.526 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 90.600% | | | |
| 7) Chloroethane-d5 | 1.919 | 69 | 27247 | 5.014 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 100.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.571 | 65 | 14747 | 4.710 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 94.200% | | | |
| 20) 2-Butanone-d5 | 4.655 | 46 | 118057 | 59.018 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 118.040% | | | |
| 24) Chloroform-d | 5.070 | 84 | 63793 | 5.130 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 102.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 38194 | 5.234 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 104.600% | | | |
| 32) Benzene-d6 | 5.732 | 84 | 129881 | 4.897 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.697 | 67 | 43391 | 5.191 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 103.800% | | | |
| 41) Toluene-d8 | 7.899 | 98 | 119972 | 5.000 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 100.000% | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 18063 | 5.323 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 106.400% | | | |
| 46) 2-Hexanone-d5 | 8.636 | 63 | 92833 | 60.782 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 121.560% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84 | 40652 | 5.757 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 115.200% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 44880 | 5.292 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 105.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 40813 | 5.320 | ug/L | 100 |
| 3) Chloromethane | 1.520 | 50 | 41969 | 5.163 | ug/L | 100 |
| 5) Vinyl chloride | 1.607 | 62 | 43348 | 5.313 | ug/L | 99 |
| 6) Bromomethane | 1.861 | 94 | 24573 | 5.078 | ug/L | 100 |
| 8) Chloroethane | 1.938 | 64 | 26250 | 5.643 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.144 | 101 | 56573 | 5.371 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588 | 101 | 33280 | 5.388 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.588 | 96 | 31365 | 5.378 | ug/L | 80 |
| 13) Acetone | 2.684 | 43 | 64881 | 55.106 | ug/L | 61 |
| 14) Carbon disulfide | 2.800 | 76 | 93566 | 5.073 | ug/L | 100 |
| 15) Methyl Acetate | 2.970 | 43 | 16886 | 5.845 | ug/L | 98 |
| 16) Methylene chloride | 3.051 | 84 | 49170 | 5.711 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.369 | 73 | 85971 | 5.662 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.359 | 96 | 32435 | 5.188 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.877 | 63 | 62869 | 5.368 | ug/L | 98 |
| 21) 2-Butanone | 4.735 | 43 | 120994 | 61.077 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.671 | 96 | 35760 | 5.276 | ug/L | 95 |
| 23) Bromochloromethane | 4.980 | 128 | 17016 | 5.760 | ug/L | 97 |
| 25) Chloroform | 5.092 | 83 | 66695 | 5.249 | ug/L | 99 |

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Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005122

Quant Time: Nov 16 03:12:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 16 03:04:04 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.796 | 62 | 44060 | 5.435 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 5.321 | 97 | 54958 | 5.252 | ug/L | 99 |
| 30) Cyclohexane | 5.395 | 56 | 53212 | 5.127 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.530 | 117 | 46322 | 5.264 | ug/L | 97 |
| 33) Benzene | 5.780 | 78 | 139032 | 5.173 | ug/L | 100 |
| 34) Trichloroethene | 6.546 | 95 | 35848 | 5.176 | ug/L | 97 |
| 35) Methylcyclohexane | 6.767 | 83 | 53555 | 5.035 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.793 | 63 | 37989 | 5.371 | ug/L | 99 |
| 38) Bromodichloromethane | 7.108 | 83 | 46711 | 5.353 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.610 | 75 | 54105 | 5.383 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.796 | 43 | 282004 | 60.789 | ug/L | 99 |
| 42) Toluene | 7.973 | 91 | 152307 | 5.490 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.211 | 75 | 47988 | 5.488 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.404 | 97 | 29839 | 5.683 | ug/L | 97 |
| 47) Tetrachloroethene | 8.555 | 164 | 25605 | 5.281 | ug/L | 98 |
| 48) 2-Hexanone | 8.687 | 43 | 216857 | 64.707 | ug/L | 98 |
| 49) Dibromochloromethane | 8.812 | 129 | 33252 | 5.560 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.928 | 107 | 28218 | 5.704 | ug/L | 97 |
| 51) Chlorobenzene | 9.449 | 112 | 94162 | 5.411 | ug/L | 98 |
| 52) Ethylbenzene | 9.571 | 91 | 158494 | 5.458 | ug/L | 99 |
| 53) m,p-Xylene | 9.697 | 106 | 62650 | 5.632 | ug/L | 97 |
| 54) o-Xylene | 10.102 | 106 | 59007 | 5.497 | ug/L | 91 |
| 55) Styrene | 10.115 | 104 | 102817 | 5.690 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83 | 39291 | 5.842 | ug/L | 95 |
| 59) Bromoform | 10.291 | 173 | 18882 | 5.772 | ug/L | 99 |
| 60) Isopropylbenzene | 10.488 | 105 | 158706 | 5.473 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.825 | 75 | 29696 | 5.792 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.089 | 105 | 130264 | 5.494 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.468 | 105 | 132265 | 5.568 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 11.748 | 146 | 73458 | 5.430 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.838 | 146 | 73155 | 5.323 | ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 12.214 | 146 | 70650 | 5.447 | ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75 | 5974 | 5.600 | ug/L | 95 |
| 69) 1,3,5-Trichlorobenzene | 13.221 | 180 | 52709 | 5.209 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 13.841 | 180 | 43668 | 5.100 | ug/L | 99 |
| 71) Naphthalene | 14.089 | 128 | 97198 | 5.525 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.330 | 180 | 44920 | 5.272 | ug/L | 99 |

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

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