Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110222\
Data File : VU051681.D
Acq On : 02 Nov 2022 10:01
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005195

Quant Time: Nov 03 01:41:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 02 09:55:58 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.250 | 114 | 193395 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.417 | 117 | 200046 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 105692 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 79483 | 5.457 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 109.200% | | | |
| 7) Chloroethane-d5 | 1.909 | 69 | 68592 | 4.515 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 90.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.565 | 65 | 30695 | 5.807 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 116.200% | | | |
| 20) 2-Butanone-d5 | 4.626 | 46 | 183212 | 34.732 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 69.460% | | | |
| 24) Chloroform-d | 5.063 | 84 | 152958 | 4.488 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.700 | 65 | 73283 | 3.980 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 79.600% | | | |
| 32) Benzene-d6 | 5.726 | 84 | 299910 | 4.751 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.690 | 67 | 97268 | 4.406 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 88.200% | | | |
| 41) Toluene-d8 | 7.896 | 98 | 275343 | 5.546 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 111.000% | | | |
| 43) trans-1,3-Dichloroprop... | 8.179 | 79 | 33983 | 5.035 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 100.600% | | | |
| 46) 2-Hexanone-d5 | 8.632 | 63 | 156629 | 38.549 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 77.100% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84 | 84625 | 4.183 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 83.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 95826 | 4.940 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 98.800% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 123935 | 5.860 | ug/L | 98 |
| 3) Chloromethane | 1.523 | 50 | 130686 | 4.902 | ug/L | 99 |
| 5) Vinyl chloride | 1.601 | 62 | 138969 | 5.441 | ug/L | 86 |
| 6) Bromomethane | 1.855 | 94 | 71046 | 5.867 | ug/L | 96 |
| 8) Chloroethane | 1.932 | 64 | 83294 | 5.371 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.138 | 101 | 164698 | 5.875 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578 | 101 | 102037 | 6.191 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 2.578 | 96 | 93793 | 5.579 | ug/L | 94 |
| 13) Acetone | 2.636 | 43 | 151821 | 56.724 | ug/L | 98 |
| 14) Carbon disulfide | 2.790 | 76 | 290486 | 5.360 | ug/L | 99 |
| 15) Methyl Acetate | 2.954 | 43 | 37065 | 5.290 | ug/L | 97 |
| 16) Methylene chloride | 3.044 | 84 | 116058 | 4.214 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 3.363 | 73 | 209796 | 5.442 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.353 | 96 | 101345 | 5.617 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 3.867 | 63 | 185680 | 5.579 | ug/L | 100 |
| 21) 2-Butanone | 4.707 | 43 | 242958 | 57.966 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.665 | 96 | 107659 | 5.392 | ug/L | 98 |
| 23) Bromochloromethane | 4.973 | 128 | 50483 | 5.408 | ug/L | 97 |
| 25) Chloroform | 5.086 | 83 | 195458 | 5.661 | ug/L | 99 |

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Data File : VU051681.D
Acq On : 02 Nov 2022 10:01
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005195

Quant Time: Nov 03 01:41:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 02 09:55:58 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.793 | 62 | 114495 | 5.389 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.314 | 97 | 155335 | 5.719 | ug/L | 99 |
| 30) Cyclohexane | 5.388 | 56 | 141507 | 5.658 | ug/L | 100 |
| 31) Carbon tetrachloride | 5.523 | 117 | 132869 | 5.720 | ug/L | 99 |
| 33) Benzene | 5.774 | 78 | 434693 | 5.506 | ug/L | 100 |
| 34) Trichloroethene | 6.539 | 95 | 105523 | 5.539 | ug/L | 99 |
| 35) Methylcyclohexane | 6.761 | 83 | 156863 | 5.955 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.790 | 63 | 112079 | 5.520 | ug/L | 100 |
| 38) Bromodichloromethane | 7.105 | 83 | 137491 | 5.544 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.607 | 75 | 139341 | 5.349 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.790 | 43 | 578048 | 56.758 | ug/L | 100 |
| 42) Toluene | 7.967 | 91 | 460976 | 5.686 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.208 | 75 | 121188 | 5.567 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 8.401 | 97 | 82405 | 5.538 | ug/L | 100 |
| 47) Tetrachloroethene | 8.552 | 164 | 83527 | 5.725 | ug/L | 97 |
| 48) 2-Hexanone | 8.684 | 43 | 433697 | 57.531 | ug/L | 99 |
| 49) Dibromochloromethane | 8.809 | 129 | 93821 | 5.520 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.922 | 107 | 74489 | 5.549 | ug/L | 96 |
| 51) Chlorobenzene | 9.446 | 112 | 279469 | 5.477 | ug/L | 98 |
| 52) Ethylbenzene | 9.568 | 91 | 434680 | 5.557 | ug/L | 99 |
| 53) m,p-Xylene | 9.694 | 106 | 171937 | 5.659 | ug/L | 97 |
| 54) o-Xylene | 10.099 | 106 | 166562 | 5.609 | ug/L | 100 |
| 55) Styrene | 10.115 | 104 | 294064 | 5.923 | ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83 | 105083 | 5.696 | ug/L | 100 |
| 59) Bromoform | 10.288 | 173 | 53092 | 5.437 | ug/L | 98 |
| 60) Isopropylbenzene | 10.484 | 105 | 432821 | 5.610 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.822 | 75 | 72887 | 5.333 | ug/L | 100 |
| 62) 1,3,5-Trimethylbenzene | 11.089 | 105 | 109459 | 5.270 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.468 | 105 | 318763 | 5.322 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 11.745 | 146 | 212840 | 5.541 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.835 | 146 | 207920 | 5.399 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.211 | 146 | 199365 | 5.328 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75 | 15192 | 5.398 | ug/L | 92 |
| 69) 1,3,5-Trichlorobenzene | 13.217 | 180 | 148985 | 5.441 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 13.838 | 180 | 112469 | 5.351 | ug/L | 97 |
| 71) Naphthalene | 14.086 | 128 | 193243 | 4.925 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.327 | 180 | 113315 | 5.339 | ug/L | 99 |

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

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Data File : VU051681.D
Acq On : 02 Nov 2022 10:01
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005195

Quant Time: Nov 03 01:41:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
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