Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011524\
Data File : VU057517.D
Acq On : 15 Jan 2024 09:41
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00515

Quant Time: Jan 16 00:25:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 13 01:34:13 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.245 | 114 | 313651 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.412 | 117 | 284924 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152 | 119397 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.599 | 65 | 133690 | 4.201 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 84.000% | | | |
| 7) Chloroethane-d5 | 1.914 | 69 | 111601 | 4.507 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 90.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.563 | 65 | 57610 | 4.281 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 85.600% | | | |
| 20) 2-Butanone-d5 | 4.644 | 46 | 265597 | 44.124 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 88.240% | | | |
| 24) Chloroform-d | 5.055 | 84 | 249390 | 4.536 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.698 | 65 | 121263 | 4.579 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.600% | | | |
| 32) Benzene-d6 | 5.721 | 84 | 478118 | 4.601 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.685 | 67 | 150272 | 4.638 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 92.800% | | | |
| 41) Toluene-d8 | 7.894 | 98 | 419225 | 4.779 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.600% | | | |
| 43) trans-1,3-Dichloroprop... | 8.177 | 79 | 52356 | 4.648 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 93.000% | | | |
| 46) 2-Hexanone-d5 | 8.630 | 63 | 155488 | 38.124 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 76.240% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84 | 86338 | 3.945 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 79.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 122572 | 5.112 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 102.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 109286 | 5.281 | ug/L | 99 |
| 3) Chloromethane | 1.518 | 50 | 118861 | 4.472 | ug/L | 98 |
| 5) Vinyl chloride | 1.605 | 62 | 121716 | 5.144 | ug/L | 99 |
| 6) Bromomethane | 1.859 | 94 | 61236 | 4.444 | ug/L | 95 |
| 8) Chloroethane | 1.936 | 64 | 76738 | 5.201 | ug/L | 100 |
| 9) Trichlorofluoromethane | 2.139 | 101 | 170521 | 5.271 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579 | 101 | 109716 | 5.300 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.579 | 96 | 95623 | 5.218 | ug/L | 84 |
| 13) Acetone | 2.663 | 43 | 158232 | 43.729 | ug/L | 98 |
| 14) Carbon disulfide | 2.792 | 76 | 265181 | 5.179 | ug/L | 100 |
| 15) Methyl Acetate | 2.962 | 43 | 37621 | 4.599 | ug/L | 98 |
| 16) Methylene chloride | 3.042 | 84 | 111119 | 4.484 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 3.357 | 73 | 220132 | 4.842 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.351 | 96 | 95277 | 5.239 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.865 | 63 | 213067 | 5.191 | ug/L | 99 |
| 21) 2-Butanone | 4.721 | 43 | 248754 | 48.597 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.663 | 96 | 111040 | 5.244 | ug/L | 96 |
| 23) Bromochloromethane | 4.971 | 128 | 45612 | 5.017 | ug/L | 98 |
| 25) Chloroform | 5.084 | 83 | 219680 | 5.162 | ug/L | 99 |

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Data File : VU057517.D
Acq On : 15 Jan 2024 09:41
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00515

Quant Time: Jan 16 00:25:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 13 01:34:13 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.791 | 62 | 127596 | 4.978 | ug/L | | 97 |
| 29) 1,1,1-Trichloroethane | 5.312 | 97 | 185793 | 5.286 | ug/L | | 99 |
| 30) Cyclohexane | 5.383 | 56 | 149556 | 5.231 | ug/L | | 100 |
| 31) Carbon tetrachloride | 5.518 | 117 | 155973 | 5.373 | ug/L | | 97 |
| 33) Benzene | 5.769 | 78 | 445818 | 5.325 | ug/L | | 100 |
| 34) Trichloroethene | 6.537 | 95 | 113490 | 5.161 | ug/L | | 99 |
| 35) Methylcyclohexane | 6.759 | 83 | 155649 | 5.324 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.785 | 63 | 125597 | 5.290 | ug/L | | 99 |
| 38) Bromodichloromethane | 7.100 | 83 | 151472 | 5.299 | ug/L | | 100 |
| 39) cis-1,3-Dichloropropene | 7.602 | 75 | 160854 | 5.125 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.788 | 43 | 612284 | 51.949 | ug/L | | 99 |
| 42) Toluene | 7.965 | 91 | 469018 | 5.684 | ug/L | | 98 |
| 44) trans-1,3-Dichloropropene | 8.206 | 75 | 135589 | 5.308 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 8.396 | 97 | 77929 | 5.089 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.550 | 164 | 71257 | 4.879 | ug/L | | 98 |
| 48) 2-Hexanone | 8.682 | 43 | 399996 | 46.471 | ug/L | | 98 |
| 49) Dibromochloromethane | 8.804 | 129 | 77564 | 4.721 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 8.920 | 107 | 63044 | 4.997 | ug/L | # | 91 |
| 51) Chlorobenzene | 9.444 | 112 | 258406 | 4.968 | ug/L | | 99 |
| 52) Ethylbenzene | 9.566 | 91 | 392419 | 4.624 | ug/L | | 99 |
| 53) m,p-Xylene | 9.692 | 106 | 147886 | 4.838 | ug/L | | 96 |
| 54) o-Xylene | 10.097 | 106 | 150564 | 5.133 | ug/L | | 96 |
| 55) Styrene | 10.110 | 104 | 247837 | 5.131 | ug/L | | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 80585 | 4.341 | ug/L | | 99 |
| 59) Bromoform | 10.283 | 173 | 43588 | 5.609 | ug/L | | 99 |
| 60) Isopropylbenzene | 10.479 | 105 | 389723 | 5.612 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 10.817 | 75 | 57427 | 5.140 | ug/L | | 97 |
| 62) 1,3,5-Trimethylbenzene | 11.084 | 105 | 291374 | 5.321 | ug/L | | 96 |
| 63) 1,2,4-Trimethylbenzene | 11.463 | 105 | 277407 | 5.061 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 11.740 | 146 | 170116 | 5.032 | ug/L | | 98 |
| 65) 1,4-Dichlorobenzene | 11.833 | 146 | 178787 | 5.328 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 12.209 | 146 | 189448 | 6.051 | ug/L | | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75 | 12368 | 5.772 | ug/L | | 91 |
| 69) 1,3,5-Trichlorobenzene | 13.216 | 180 | 143399 | 6.328 | ug/L | | 99 |
| 70) 1,2,4-trichlorobenzene | 13.836 | 180 | 98443 | 6.416 | ug/L | | 98 |
| 71) Naphthalene | 14.084 | 128 | 123568 | 5.759 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.322 | 180 | 79797 | 6.350 | ug/L | | 99 |

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

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Data File : VU057517.D
Acq On : 15 Jan 2024 09:41
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00515

Quant Time: Jan 16 00:25:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jan 13 01:34:13 2024
Response via : Initial Calibration