Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121224\
Data File : VU062294.D
Acq On : 12 Dec 2024 17:44
Operator : MD/SY
Sample : P5253-11MS
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
F7J35MS

Quant Time: Dec 13 00:19:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 13 00:13:55 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.242 | 114 | 82597 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.409 | 117 | 76280 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152 | 39962 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.596 | 65 | 21831 | 3.918 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 78.400% | | | |
| 7) Chloroethane-d5 | 1.907 | 69 | 18034 | 4.551 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 91.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.557 | 65 | 11511 | 4.343 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 86.800% | | | |
| 20) 2-Butanone-d5 | 4.624 | 46 | 63452 | 59.428 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 118.860% | | | |
| 24) Chloroform-d | 5.052 | 84 | 64127 | 5.318 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 106.400% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.692 | 65 | 32936 | 5.555 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 111.000% | | | |
| 32) Benzene-d6 | 5.718 | 84 | 108901 | 4.957 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.682 | 67 | 32779 | 5.215 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 104.200% | | | |
| 41) Toluene-d8 | 7.888 | 98 | 100872 | 4.860 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.200% | | | |
| 43) trans-1,3-Dichloroprop... | 8.171 | 79 | 13850 | 5.006 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 100.200% | | | |
| 46) 2-Hexanone-d5 | 8.624 | 63 | 49252 | 59.002 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 118.000% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84 | 28774 | 5.883 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 117.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.184 | 152 | 38834 | 5.273 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 105.400% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 41445 | 5.357 | ug/L | 98 |
| 3) Chloromethane | 1.515 | 50 | 35029 | 5.776 | ug/L | 100 |
| 5) Vinyl chloride | 1.599 | 62 | 34419 | 5.451 | ug/L | 96 |
| 6) Bromomethane | 1.853 | 94 | 20756 | 4.932 | ug/L | 96 |
| 8) Chloroethane | 1.930 | 64 | 20198 | 5.711 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.132 | 101 | 61100 | 5.575 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 31330 | 5.252 | ug/L | 90 |
| 12) 1,1-Dichloroethene | 2.573 | 96 | 31870 | 5.715 | ug/L | 94 |
| 13) Acetone | 2.641 | 43 | 46884 | 64.491 | ug/L | 95 |
| 14) Carbon disulfide | 2.785 | 76 | 88012 | 4.991 | ug/L | 99 |
| 15) Methyl Acetate | 2.949 | 43 | 10582 | 5.808 | ug/L | 90 |
| 16) Methylene chloride | 3.036 | 84 | 36247 | 6.192 | ug/L | 89 |
| 17) Methyl tert-butyl Ether | 3.354 | 73 | 86402 | 6.219 | ug/L | 97 |
| 18) trans-1,2-Dichloroethene | 3.345 | 96 | 32337 | 5.644 | ug/L | 93 |
| 19) 1,1-Dichloroethane | 3.859 | 63 | 61229 | 5.830 | ug/L | 99 |
| 21) 2-Butanone | 4.705 | 43 | 70572 | 66.845 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.657 | 96 | 38218 | 5.951 | ug/L | 93 |
| 23) Bromochloromethane | 4.965 | 128 | 17381 | 6.174 | ug/L # | 87 |
| 25) Chloroform | 5.078 | 83 | 71382 | 6.034 | ug/L | 99 |

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MSVOA_U
**ClientSampleId :**
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 13 00:13:55 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.785 | 62 | 46434 | 6.176 | ug/L | | 97 |
| 29) 1,1,1-Trichloroethane | 5.306 | 97 | 62409 | 5.816 | ug/L | | 95 |
| 30) Cyclohexane | 5.377 | 56 | 42716 | 4.909 | ug/L | | 91 |
| 31) Carbon tetrachloride | 5.515 | 117 | 55653 | 5.656 | ug/L | | 100 |
| 33) Benzene | 5.763 | 78 | 136899 | 5.791 | ug/L | | 100 |
| 34) Trichloroethene | 6.534 | 95 | 44764 | 6.685 | ug/L | | 96 |
| 35) Methylcyclohexane | 6.753 | 83 | 49714 | 5.007 | ug/L | | 94 |
| 37) 1,2-Dichloropropane | 6.779 | 63 | 34539 | 6.000 | ug/L | | 99 |
| 38) Bromodichloromethane | 7.094 | 83 | 49630 | 6.111 | ug/L | # | 98 |
| 39) cis-1,3-Dichloropropene | 7.599 | 75 | 53471 | 5.795 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.782 | 43 | 176073 | 65.261 | ug/L | # | 93 |
| 42) Toluene | 7.959 | 91 | 145265 | 5.699 | ug/L | | 94 |
| 44) trans-1,3-Dichloropropene | 8.203 | 75 | 45850 | 6.085 | ug/L | | 100 |
| 45) 1,1,2-Trichloroethane | 8.389 | 97 | 28362 | 6.526 | ug/L | | 99 |
| 47) Tetrachloroethene | 8.544 | 164 | 28461 | 5.505 | ug/L | | 97 |
| 48) 2-Hexanone | 8.676 | 43 | 129795 | 65.096 | ug/L | # | 92 |
| 49) Dibromochloromethane | 8.798 | 129 | 34146 | 6.503 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 8.914 | 107 | 26681 | 6.389 | ug/L | # | 98 |
| 51) Chlorobenzene | 9.438 | 112 | 94211 | 5.768 | ug/L | | 98 |
| 52) Ethylbenzene | 9.560 | 91 | 154986 | 5.423 | ug/L | | 99 |
| 53) m,p-Xylene | 9.685 | 106 | 58794 | 5.572 | ug/L | | 90 |
| 54) o-Xylene | 10.090 | 106 | 58234 | 5.675 | ug/L | | 100 |
| 55) Styrene | 10.106 | 104 | 96044 | 5.678 | ug/L | | 96 |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83 | 32912 | 6.507 | ug/L | # | 95 |
| 59) Bromoform | 10.280 | 173 | 20979 | 6.680 | ug/L | | 95 |
| 60) Isopropylbenzene | 10.476 | 105 | 155318 | 5.380 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 10.814 | 75 | 23354 | 6.320 | ug/L | | 97 |
| 62) 1,3,5-Trimethylbenzene | 11.077 | 105 | 132495 | 5.423 | ug/L | | 98 |
| 63) 1,2,4-Trimethylbenzene | 11.460 | 105 | 127180 | 5.313 | ug/L | | 100 |
| 64) 1,3-Dichlorobenzene | 11.737 | 146 | 73181 | 5.519 | ug/L | | 100 |
| 65) 1,4-Dichlorobenzene | 11.827 | 146 | 71638 | 5.365 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 12.203 | 146 | 69693 | 5.687 | ug/L | | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75 | 5455 | 6.768 | ug/L | # | 76 |
| 69) 1,3,5-Trichlorobenzene | 13.209 | 180 | 52756 | 5.352 | ug/L | | 99 |
| 70) 1,2,4-trichlorobenzene | 13.833 | 180 | 40761 | 5.237 | ug/L | | 99 |
| 71) Naphthalene | 14.081 | 128 | 59713 | 5.110 | ug/L | | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.322 | 180 | 35467 | 5.168 | ug/L | | 98 |

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

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