Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020525\
Data File : VU063165.D
Acq On : 05 Feb 2025 17:31
Operator : MD/SY
Sample : Q1226-18MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DCZN8MS

Quant Time: Feb 06 07:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR020425WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 06 07:25:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.238 | 114 | 83244 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.405 | 117 | 79805 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.801 | 152 | 38618 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.592 | 65 | 20004 | 4.201 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 84.000% | | | |
| 7) Chloroethane-d5 | 1.901 | 69 | 20878 | 4.724 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 94.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.554 | 65 | 9858 | 4.638 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 92.800% | | | |
| 20) 2-Butanone-d5 | 4.605 | 46 | 83228 | 53.095 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 106.200% | | | |
| 24) Chloroform-d | 5.049 | 84 | 53077 | 5.042 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 100.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.689 | 65 | 27758 | 5.127 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.600% | | | |
| 32) Benzene-d6 | 5.714 | 84 | 99380 | 4.774 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.676 | 67 | 33413 | 4.869 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 97.400% | | | |
| 41) Toluene-d8 | 7.888 | 98 | 89612 | 4.873 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.171 | 79 | 12349 | 4.802 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 96.000% | | | |
| 46) 2-Hexanone-d5 | 8.618 | 63 | 67465 | 52.128 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 104.260% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84 | 30537 | 5.041 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 100.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.184 | 152 | 31451 | 4.877 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 97.600% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.377 | 85 | 37450 | 5.193 | ug/L | 99 |
| 3) Chloromethane | 1.515 | 50 | 39315 | 4.976 | ug/L | 99 |
| 5) Vinyl chloride | 1.599 | 62 | 41582 | 5.199 | ug/L | 99 |
| 6) Bromomethane | 1.843 | 94 | 13439 | 3.342 | ug/L | 96 |
| 8) Chloroethane | 1.920 | 64 | 26213 | 5.441 | ug/L | 100 |
| 9) Trichlorofluoromethane | 2.126 | 101 | 49065 | 5.462 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567 | 101 | 29502 | 5.343 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.567 | 96 | 28609 | 5.287 | ug/L | 97 |
| 13) Acetone | 2.612 | 43 | 54454 | 55.165 | ug/L | 100 |
| 14) Carbon disulfide | 2.779 | 76 | 98936 | 5.208 | ug/L | 99 |
| 15) Methyl Acetate | 2.939 | 43 | 13433 | 4.983 | ug/L | 97 |
| 16) Methylene chloride | 3.030 | 84 | 33730 | 5.211 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.348 | 73 | 76569 | 5.135 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.338 | 96 | 31943 | 5.521 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.853 | 63 | 61715 | 5.306 | ug/L | 98 |
| 21) 2-Butanone | 4.685 | 43 | 89366 | 54.527 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.650 | 96 | 81068 | 12.560 | ug/L | 99 |
| 23) Bromochloromethane | 4.962 | 128 | 15678 | 5.415 | ug/L | 94 |
| 25) Chloroform | 5.071 | 83 | 62213 | 5.434 | ug/L | 99 |

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**ClientSampleId :**
DCZN8MS

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 06 07:25:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.779 | 62 | 39861 | 5.285 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 5.300 | 97 | 50410 | 5.337 | ug/L | 99 |
| 30) Cyclohexane | 5.373 | 56 | 51574 | 5.158 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.512 | 117 | 42670 | 5.353 | ug/L | 99 |
| 33) Benzene | 5.759 | 78 | 141769 | 5.398 | ug/L | 100 |
| 34) Trichloroethene | 6.528 | 95 | 106652 | 15.990 | ug/L | 98 |
| 35) Methylcyclohexane | 6.750 | 83 | 50957 | 5.098 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.779 | 63 | 38066 | 5.435 | ug/L | 100 |
| 38) Bromodichloromethane | 7.094 | 83 | 43874 | 5.216 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.595 | 75 | 51379 | 5.144 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.775 | 43 | 219270 | 53.037 | ug/L | 99 |
| 42) Toluene | 7.959 | 91 | 146556 | 5.339 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.200 | 75 | 43297 | 5.178 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 8.386 | 97 | 26727 | 5.167 | ug/L | 99 |
| 47) Tetrachloroethene | 8.544 | 164 | 375735 | 80.209 | ug/L | 100 |
| 48) 2-Hexanone | 8.669 | 43 | 159937 | 54.835 | ug/L | 99 |
| 49) Dibromochloromethane | 8.798 | 129 | 29025 | 5.331 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.914 | 107 | 24960 | 5.261 | ug/L | 99 |
| 51) Chlorobenzene | 9.434 | 112 | 92409 | 5.577 | ug/L | 98 |
| 52) Ethylbenzene | 9.560 | 91 | 151752 | 5.285 | ug/L | 98 |
| 53) m,p-Xylene | 9.682 | 106 | 56886 | 5.493 | ug/L | 99 |
| 54) o-Xylene | 10.090 | 106 | 60076 | 5.850 | ug/L | 97 |
| 55) Styrene | 10.103 | 104 | 90605 | 5.360 | ug/L | 96 |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83 | 34502 | 5.196 | ug/L | 99 |
| 59) Bromoform | 10.280 | 173 | 17220 | 5.172 | ug/L | 99 |
| 60) Isopropylbenzene | 10.473 | 105 | 155224 | 5.660 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.811 | 75 | 23839 | 5.115 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.077 | 105 | 112293 | 5.191 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.457 | 105 | 134536 | 6.468 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.737 | 146 | 64847 | 5.219 | ug/L | 98 |
| 65) 1,4-Dichlorobenzene | 11.827 | 146 | 65749 | 5.263 | ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 12.203 | 146 | 67850 | 5.844 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.984 | 75 | 5125 | 5.497 | ug/L | 98 |
| 69) 1,3,5-Trichlorobenzene | 13.209 | 180 | 43120 | 5.079 | ug/L | 100 |
| 70) 1,2,4-trichlorobenzene | 13.830 | 180 | 33370 | 4.996 | ug/L | 99 |
| 71) Naphthalene | 14.081 | 128 | 55255 | 5.041 | ug/L | 98 |
| 72) 1,2,3-Trichlorobenzene | 14.318 | 180 | 30889 | 5.176 | ug/L | 98 |

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

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