Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100824\
Data File : VW030438.D
Acq On : 08 Oct 2024 10:54
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025508

Quant Time: Oct 09 01:09:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Oct 08 01:21:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 144486 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 134904 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 70772 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 21411 | 18.964 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 75.840% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 16172 | 19.686 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 78.760% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.015 | 65 | 16250 | 19.717 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 78.880% | | | |
| 21) 2-Butanone-d5 | 7.081 | 46 | 17510 | 38.564 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 77.120% | | | |
| 24) Chloroform-d | 7.648 | 84 | 90595 | 23.339 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 93.360% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 45593 | 22.503 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 90.000% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 170765 | 22.585 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 90.360% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 47831 | 21.033 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 84.120% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 159954 | 23.071 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 92.280% | | | |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79 | 20505 | 21.678 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 86.720% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 15910 | 42.368 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 84.740% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 40192 | 23.652 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 94.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 58546 | 24.916 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 99.680% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 33814 | 21.411 | ug/L | 98 |
| 3) Chloromethane | 2.223 | 50 | 21524 | 17.397 | ug/L | 98 |
| 5) Vinyl chloride | 2.381 | 62 | 27224 | 20.699 | ug/L | 99 |
| 6) Bromomethane | 2.790 | 94 | 19652 | 22.450 | ug/L | 96 |
| 8) Chloroethane | 2.936 | 64 | 15953 | 22.232 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 42980 | 25.368 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 45963 | 27.230 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 40170 | 23.930 | ug/L | 89 |
| 13) Acetone | 4.137 | 43 | 18669 | 38.761 | ug/L | 93 |
| 14) Carbon disulfide | 4.393 | 76 | 118165 | 21.168 | ug/L | 96 |
| 15) Methyl Acetate | 4.679 | 43 | 14693 | 18.703 | ug/L | 92 |
| 16) Methylene chloride | 4.917 | 84 | 44614 | 20.062 | ug/L | 89 |
| 17) trans-1,2-Dichloroethene | 5.423 | 96 | 47817 | 24.539 | ug/L | 88 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 68747 | 22.181 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.222 | 63 | 82888 | 22.336 | ug/L | 95 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 51929 | 24.120 | ug/L | 91 |
| 22) 2-Butanone | 7.167 | 43 | 22553 | 36.629 | ug/L | 91 |
| 23) Bromochloromethane | 7.514 | 128 | 24375 | 25.934 | ug/L # | 79 |
| 25) Chloroform | 7.679 | 83 | 92446 | 24.021 | ug/L | 99 |

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Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025508

Quant Time: Oct 09 01:09:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092724SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Oct 08 01:21:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 57457 | 22.511 | ug/L | | 98 |
| 29) Cyclohexane | 7.953 | 56 | 64692 | 21.754 | ug/L | | 93 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 79788 | 25.532 | ug/L | | 97 |
| 31) Carbon tetrachloride | 8.069 | 117 | 74678 | 26.738 | ug/L | | 97 |
| 33) Benzene | 8.325 | 78 | 197420 | 24.026 | ug/L | | 100 |
| 34) Trichloroethene | 9.093 | 95 | 54160 | 24.780 | ug/L | | 96 |
| 35) Methylcyclohexane | 9.337 | 83 | 85049 | 25.356 | ug/L | | 93 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 48280 | 22.270 | ug/L | | 98 |
| 38) Bromodichloromethane | 9.642 | 83 | 65563 | 24.087 | ug/L | # | 98 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 78453 | 23.600 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 42814 | 38.395 | ug/L | # | 93 |
| 42) Toluene | 10.386 | 91 | 220068 | 25.018 | ug/L | | 93 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 64504 | 23.418 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 38444 | 25.163 | ug/L | | 93 |
| 46) Tetrachloroethene | 10.861 | 164 | 46050 | 28.169 | ug/L | | 96 |
| 48) 2-Hexanone | 10.965 | 43 | 33129 | 40.347 | ug/L | # | 97 |
| 49) Dibromochloromethane | 11.130 | 129 | 43690 | 25.412 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 35421 | 24.502 | ug/L | | 91 |
| 51) Chlorobenzene | 11.654 | 112 | 143581 | 25.258 | ug/L | | 98 |
| 52) Ethylbenzene | 11.727 | 91 | 251658 | 25.253 | ug/L | | 99 |
| 53) m,p-Xylene | 11.837 | 106 | 99354 | 26.708 | ug/L | | 95 |
| 54) o-Xylene | 12.160 | 106 | 94051 | 26.563 | ug/L | | 96 |
| 55) Styrene | 12.178 | 104 | 163385 | 27.050 | ug/L | | 94 |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83 | 41917 | 23.427 | ug/L | # | 99 |
| 59) Bromoform | 12.349 | 173 | 27211 | 26.540 | ug/L | # | 98 |
| 60) Isopropylbenzene | 12.465 | 105 | 261999 | 26.082 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 29495 | 21.923 | ug/L | | 94 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 217850 | 26.812 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 216435 | 26.961 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 115807 | 25.797 | ug/L | | 90 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 120529 | 26.282 | ug/L | | 89 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 107726 | 26.917 | ug/L | | 91 |
| 68) 1,2-Dibromo-3-chloropr... | 14.477 | 75 | 6677 | 21.660 | ug/L | # | 84 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 88733 | 28.638 | ug/L | | 97 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 72446 | 28.241 | ug/L | | 94 |
| 71) Naphthalene | 15.360 | 128 | 124351 | 26.501 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 64368 | 28.666 | ug/L | | 98 |

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

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