Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052424\
Data File : VW028819.D
Acq On : 26 May 2024 04:04
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025596

Quant Time: May 27 02:28:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
Quant Title : SFAM01.0
QLast Update : Mon May 27 02:22:53 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 277610 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 267759 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 133714 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 109869 | 20.842 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 83.360% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 92354 | 22.880 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 91.520% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 47485 | 21.560 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 86.240% | | | |
| 21) 2-Butanone-d5 | 7.081 | 46 | 52547 | 38.207 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 76.420% | | | |
| 24) Chloroform-d | 7.648 | 84 | 235244 | 27.119 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 108.480% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 124547 | 25.079 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.320% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 457807 | 25.627 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 102.520% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 140142 | 26.070 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 104.280% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 415282 | 26.249 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 105.000% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 50473 | 23.340 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 93.360% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 36148 | 38.988 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 77.980% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 97794 | 21.695 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 86.760% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 126793 | 24.879 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 99.520% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 62278 | 15.437 | ug/L # | 84 |
| 3) Chloromethane | 2.222 | 50 | 104971 | 21.003 | ug/L | 98 |
| 5) Vinyl chloride | 2.375 | 62 | 108935 | 19.360 | ug/L | 99 |
| 6) Bromomethane | 2.789 | 94 | 72345 | 22.226 | ug/L | 97 |
| 8) Chloroethane | 2.936 | 64 | 70902 | 22.095 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 89673 | 19.412 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 89972 | 21.125 | ug/L | 91 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 87440 | 22.886 | ug/L | 98 |
| 13) Acetone | 4.118 | 43 | 33847 | 27.052 | ug/L | 95 |
| 14) Carbon disulfide | 4.393 | 76 | 258770 | 20.040 | ug/L | 99 |
| 15) Methyl Acetate | 4.667 | 43 | 43552 | 20.008 | ug/L | 99 |
| 16) Methylene chloride | 4.923 | 84 | 108052 | 25.167 | ug/L | 92 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 99260 | 24.954 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 147964 | 25.207 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 208081 | 26.380 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 114200 | 27.433 | ug/L | 90 |
| 22) 2-Butanone | 7.167 | 43 | 55335 | 34.457 | ug/L | 98 |
| 23) Bromochloromethane | 7.514 | 128 | 48884 | 26.920 | ug/L | 90 |
| 25) Chloroform | 7.679 | 83 | 210783 | 27.629 | ug/L | 100 |

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**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025596

Quant Time: May 27 02:28:56 2024
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Quant Title : SFAM01.0
QLast Update : Mon May 27 02:22:53 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 140064 | 25.256 | ug/L | 99 |
| 29) Cyclohexane | 7.959 | 56 | 147809 | 19.361 | ug/L | 100 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 154019 | 22.954 | ug/L | 98 |
| 31) Carbon tetrachloride | 8.069 | 117 | 136873 | 22.373 | ug/L | 99 |
| 33) Benzene | 8.325 | 78 | 446287 | 25.703 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 115199 | 24.746 | ug/L | 95 |
| 35) Methylcyclohexane | 9.337 | 83 | 165362 | 20.326 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 119372 | 26.384 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 148397 | 26.907 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 164533 | 25.372 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 125132 | 40.637 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 461599 | 25.740 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 132630 | 24.257 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 80752 | 24.638 | ug/L | 95 |
| 46) Tetrachloroethene | 10.861 | 164 | 78809 | 23.497 | ug/L | 99 |
| 48) 2-Hexanone | 10.965 | 43 | 84436 | 38.840 | ug/L | 97 |
| 49) Dibromochloromethane | 11.123 | 129 | 89410 | 27.198 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 73081 | 23.804 | ug/L | 98 |
| 51) Chlorobenzene | 11.654 | 112 | 301014 | 27.135 | ug/L | 95 |
| 52) Ethylbenzene | 11.727 | 91 | 531034 | 26.166 | ug/L | 97 |
| 53) m,p-Xylene | 11.837 | 106 | 196171 | 26.370 | ug/L | 98 |
| 54) o-Xylene | 12.160 | 106 | 187622 | 27.262 | ug/L | 98 |
| 55) Styrene | 12.178 | 104 | 332041 | 28.473 | ug/L | 94 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 92504 | 22.496 | ug/L | 98 |
| 59) Bromoform | 12.349 | 173 | 46691 | 23.935 | ug/L | 99 |
| 60) Isopropylbenzene | 12.458 | 105 | 519132 | 25.590 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 68576 | 21.221 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 377778 | 26.320 | ug/L | 95 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 406595 | 26.291 | ug/L | 94 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 229134 | 27.151 | ug/L | 98 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 228808 | 26.520 | ug/L | 94 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 200976 | 26.608 | ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 13496 | 17.862 | ug/L | 93 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 138862 | 24.521 | ug/L | 96 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 115535 | 25.250 | ug/L | 99 |
| 71) Naphthalene | 15.360 | 128 | 218084 | 22.370 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 107052 | 25.928 | ug/L | 98 |

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

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