Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061824\
Data File : VW029198.D
Acq On : 18 Jun 2024 23:13
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 19 01:54:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jun 19 01:46:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 244029 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 229017 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 107178 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 75379 | 22.317 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 89.280% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 63326 | 22.202 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 88.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 35867 | 21.993 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 87.960% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 50368 | 49.843 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 99.680% | | | |
| 24) Chloroform-d | 7.648 | 84 | 172430 | 23.687 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 94.760% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 100516 | 24.050 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.200% | | | |
| 32) Benzene-d6 | 8.270 | 84 | 336862 | 24.216 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 96.880% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.276 | 67 | 107966 | 24.416 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 97.680% | | | |
| 41) Toluene-d8 | 10.325 | 98 | 308267 | 25.048 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 100.200% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 41834 | 23.477 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 93.920% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 36247 | 52.291 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 104.580% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 83442 | 23.710 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 94.840% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 96125 | 25.838 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 103.360% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 44281 | 18.599 | ug/L | 95 |
| 3) Chloromethane | 2.222 | 50 | 73873 | 21.761 | ug/L | 99 |
| 5) Vinyl chloride | 2.375 | 62 | 82409 | 21.139 | ug/L | 96 |
| 6) Bromomethane | 2.789 | 94 | 52115 | 22.242 | ug/L | 93 |
| 8) Chloroethane | 2.936 | 64 | 54889 | 23.019 | ug/L | 99 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 64942 | 21.487 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 66345 | 19.909 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 65795 | 23.269 | ug/L | 98 |
| 13) Acetone | 4.124 | 43 | 35388 | 41.207 | ug/L | 95 |
| 14) Carbon disulfide | 4.399 | 76 | 199106 | 21.571 | ug/L | 100 |
| 15) Methyl Acetate | 4.673 | 43 | 43507 | 25.519 | ug/L | 99 |
| 16) Methylene chloride | 4.923 | 84 | 89089 | 20.762 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 74344 | 23.675 | ug/L | 94 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 133469 | 26.567 | ug/L # | 88 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 162774 | 24.001 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.173 | 96 | 86733 | 25.047 | ug/L | 96 |
| 22) 2-Butanone | 7.167 | 43 | 53943 | 45.822 | ug/L | 95 |
| 23) Bromochloromethane | 7.514 | 128 | 37079 | 24.054 | ug/L | 97 |
| 25) Chloroform | 7.679 | 83 | 160207 | 24.191 | ug/L | 99 |

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Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 19 01:54:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jun 19 01:46:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 117654 | 24.088 | ug/L | | 99 |
| 29) Cyclohexane | 7.959 | 56 | 119341 | 22.794 | ug/L | | 100 |
| 30) 1,1,1-Trichloroethane | 7.868 | 97 | 119958 | 23.555 | ug/L | | 97 |
| 31) Carbon tetrachloride | 8.069 | 117 | 106065 | 22.799 | ug/L | | 94 |
| 33) Benzene | 8.325 | 78 | 341232 | 24.798 | ug/L | | 100 |
| 34) Trichloroethene | 9.093 | 95 | 86602 | 23.590 | ug/L | | 94 |
| 35) Methylcyclohexane | 9.337 | 83 | 127657 | 22.110 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 95637 | 24.734 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.648 | 83 | 116394 | 24.620 | ug/L | | 97 |
| 39) cis-1,3-Dichloropropene | 10.075 | 75 | 136320 | 24.941 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 127235 | 53.090 | ug/L | | 99 |
| 42) Toluene | 10.386 | 91 | 355751 | 25.148 | ug/L | | 97 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 115075 | 24.934 | ug/L | | 96 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 66416 | 24.663 | ug/L | | 99 |
| 46) Tetrachloroethene | 10.861 | 164 | 59124 | 23.038 | ug/L | | 88 |
| 48) 2-Hexanone | 10.965 | 43 | 87445 | 51.422 | ug/L | | 98 |
| 49) Dibromochloromethane | 11.123 | 129 | 68930 | 24.486 | ug/L | | 95 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 59537 | 24.629 | ug/L | | 99 |
| 51) Chlorobenzene | 11.654 | 112 | 228643 | 24.890 | ug/L | | 97 |
| 52) Ethylbenzene | 11.727 | 91 | 401608 | 25.010 | ug/L | | 99 |
| 53) m,p-Xylene | 11.836 | 106 | 147189 | 25.095 | ug/L | | 92 |
| 54) o-Xylene | 12.166 | 106 | 140542 | 25.638 | ug/L | | 92 |
| 55) Styrene | 12.178 | 104 | 252236 | 26.391 | ug/L | | 95 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 82848 | 24.871 | ug/L | | 96 |
| 59) Bromoform | 12.349 | 173 | 38625 | 26.294 | ug/L | | 98 |
| 60) Isopropylbenzene | 12.464 | 105 | 385735 | 27.010 | ug/L | | 100 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 60244 | 25.770 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 292749 | 28.305 | ug/L | | 97 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 312781 | 28.107 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 163741 | 26.495 | ug/L | | 99 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 172767 | 26.274 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 156678 | 27.423 | ug/L | | 91 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 13095 | 24.004 | ug/L | # | 83 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 108732 | 26.069 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 15.122 | 180 | 94720 | 28.014 | ug/L | | 95 |
| 71) Naphthalene | 15.354 | 128 | 195491 | 29.295 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 88282 | 28.656 | ug/L | | 97 |

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

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