Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042224\
Data File : VW028510.D
Acq On : 22 Apr 2024 15:41
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025561

Quant Time: Apr 23 02:45:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Apr 23 02:42:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 300202 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 280768 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 139238 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 80015 | 16.626 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 66.520% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 72286 | 19.817 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 79.280% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 37343 | 18.323 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 73.280% | | | |
| 21) 2-Butanone-d5 | 7.081 | 46 | 61996 | 68.840 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 137.680%# | | | |
| 24) Chloroform-d | 7.648 | 84 | 188491 | 24.062 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 96.240% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 107899 | 26.505 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 106.000% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 349730 | 22.801 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 91.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 110680 | 24.276 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 97.120% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 316032 | 22.659 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 90.640% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 44897 | 24.766 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 99.080% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 43775 | 69.315 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 138.640%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 97723 | 30.380 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 121.520%# | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 108626 | 24.669 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 98.680% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 75119 | 18.605 | ug/L | 97 |
| 3) Chloromethane | 2.223 | 50 | 105380 | 22.230 | ug/L | 99 |
| 5) Vinyl chloride | 2.375 | 62 | 118912 | 21.063 | ug/L | 99 |
| 6) Bromomethane | 2.790 | 94 | 74963 | 21.253 | ug/L | 96 |
| 8) Chloroethane | 2.936 | 64 | 75730 | 22.252 | ug/L | 100 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 90854 | 20.173 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 92549 | 21.843 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 88904 | 22.347 | ug/L | 95 |
| 13) Acetone | 4.125 | 43 | 47907 | 43.324 | ug/L | 99 |
| 14) Carbon disulfide | 4.393 | 76 | 271003 | 20.690 | ug/L | 99 |
| 15) Methyl Acetate | 4.667 | 43 | 53975 | 30.336 | ug/L | 100 |
| 16) Methylene chloride | 4.917 | 84 | 104566 | 23.019 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 98752 | 23.565 | ug/L | 92 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 163630 | 27.758 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 200617 | 24.570 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 109105 | 24.530 | ug/L | 98 |
| 22) 2-Butanone | 7.173 | 43 | 70361 | 52.431 | ug/L | 100 |
| 23) Bromochloromethane | 7.514 | 128 | 47184 | 24.629 | ug/L | 85 |
| 25) Chloroform | 7.673 | 83 | 201957 | 25.180 | ug/L | 98 |

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

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025561

Quant Time: Apr 23 02:45:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Apr 23 02:42:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 147423 | 26.630 | ug/L | 98 |
| 29) Cyclohexane | 7.959 | 56 | 168409 | 22.708 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 159463 | 23.418 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 141233 | 23.389 | ug/L | 96 |
| 33) Benzene | 8.325 | 78 | 423788 | 24.141 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 110187 | 23.162 | ug/L | 96 |
| 35) Methylcyclohexane | 9.337 | 83 | 180402 | 22.222 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 114138 | 24.946 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 144022 | 25.396 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 170459 | 25.406 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 153538 | 67.035 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 449550 | 24.173 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 143246 | 26.391 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 82720 | 26.723 | ug/L | 95 |
| 46) Tetrachloroethene | 10.861 | 164 | 80991 | 22.792 | ug/L | 95 |
| 48) 2-Hexanone | 10.965 | 43 | 107059 | 58.887 | ug/L | 97 |
| 49) Dibromochloromethane | 11.123 | 129 | 87236 | 26.367 | ug/L | 94 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 78346 | 27.731 | ug/L | 95 |
| 51) Chlorobenzene | 11.654 | 112 | 285404 | 24.690 | ug/L | 95 |
| 52) Ethylbenzene | 11.727 | 91 | 509903 | 24.187 | ug/L | 98 |
| 53) m,p-Xylene | 11.837 | 106 | 190345 | 24.280 | ug/L | 94 |
| 54) o-Xylene | 12.160 | 106 | 179318 | 24.565 | ug/L | 91 |
| 55) Styrene | 12.178 | 104 | 316273 | 25.457 | ug/L | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 101623 | 29.010 | ug/L | 99 |
| 59) Bromoform | 12.349 | 173 | 47973 | 26.102 | ug/L | 97 |
| 60) Isopropylbenzene | 12.459 | 105 | 493282 | 23.631 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 75781 | 29.769 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 330585 | 24.847 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 389479 | 24.325 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 214777 | 24.249 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 208773 | 23.172 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 193309 | 24.812 | ug/L | 87 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 16825 | 28.843 | ug/L | 92 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 144647 | 23.733 | ug/L | 97 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 117150 | 24.613 | ug/L | 93 |
| 71) Naphthalene | 15.360 | 128 | 252362 | 29.959 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.543 | 180 | 106909 | 25.313 | ug/L | 99 |

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

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ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025561

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