Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW041724\
Data File : VW028474.D
Acq On : 17 Apr 2024 17:54
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025555

Quant Time: Apr 18 02:23:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 18 02:19:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.837 | 114 | 296482 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 274835 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 137567 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 88968 | 18.718 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 74.880% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 78634 | 21.828 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 87.320% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 39899 | 19.823 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 79.280% | | | |
| 21) 2-Butanone-d5 | 7.081 | 46 | 52364 | 58.874 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 117.740% | | | |
| 24) Chloroform-d | 7.648 | 84 | 197392 | 25.514 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 102.040% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 107990 | 26.860 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 107.440% | | | |
| 32) Benzene-d6 | 8.270 | 84 | 369400 | 24.604 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 98.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 112570 | 25.224 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 100.880% | | | |
| 41) Toluene-d8 | 10.325 | 98 | 331029 | 24.247 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 97.000% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 42973 | 24.216 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 96.880% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 36443 | 58.951 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 117.900% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 93186 | 29.595 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 118.360% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 109682 | 25.211 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 100.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 81697 | 20.488 | ug/L | 90 |
| 3) Chloromethane | 2.223 | 50 | 106777 | 22.807 | ug/L | 97 |
| 5) Vinyl chloride | 2.375 | 62 | 121335 | 21.762 | ug/L | 97 |
| 6) Bromomethane | 2.790 | 94 | 78369 | 22.497 | ug/L | 98 |
| 8) Chloroethane | 2.936 | 64 | 76017 | 22.617 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 86508 | 19.449 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 92710 | 22.155 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 86911 | 22.120 | ug/L | 96 |
| 13) Acetone | 4.137 | 43 | 37494 | 34.332 | ug/L | 94 |
| 14) Carbon disulfide | 4.393 | 76 | 274230 | 21.199 | ug/L | 100 |
| 15) Methyl Acetate | 4.667 | 43 | 46047 | 26.205 | ug/L | 100 |
| 16) Methylene chloride | 4.917 | 84 | 102004 | 22.737 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 98829 | 23.879 | ug/L | 95 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 149804 | 25.731 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.222 | 63 | 202496 | 25.112 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.173 | 96 | 107959 | 24.577 | ug/L | 95 |
| 22) 2-Butanone | 7.173 | 43 | 58515 | 44.151 | ug/L | 98 |
| 23) Bromochloromethane | 7.508 | 128 | 47750 | 25.237 | ug/L | 94 |
| 25) Chloroform | 7.673 | 83 | 202654 | 25.583 | ug/L | 96 |

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**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025555

Quant Time: Apr 18 02:23:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 18 02:19:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 143129 | 26.179 | ug/L | 99 |
| 29) Cyclohexane | 7.959 | 56 | 167270 | 23.041 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 155585 | 23.342 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 137628 | 23.285 | ug/L | 98 |
| 33) Benzene | 8.325 | 78 | 426170 | 24.801 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 110842 | 23.802 | ug/L | 96 |
| 35) Methylcyclohexane | 9.331 | 83 | 181543 | 22.846 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 114154 | 25.488 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 139987 | 25.217 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 165051 | 25.131 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 130983 | 58.422 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 451572 | 24.806 | ug/L | 95 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 137819 | 25.939 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 79946 | 26.385 | ug/L | 95 |
| 46) Tetrachloroethene | 10.861 | 164 | 77754 | 22.353 | ug/L | 81 |
| 48) 2-Hexanone | 10.965 | 43 | 90649 | 50.937 | ug/L | 99 |
| 49) Dibromochloromethane | 11.130 | 129 | 84382 | 26.055 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 72883 | 26.354 | ug/L | 92 |
| 51) Chlorobenzene | 11.654 | 112 | 280938 | 24.828 | ug/L | 96 |
| 52) Ethylbenzene | 11.727 | 91 | 515197 | 24.966 | ug/L | 98 |
| 53) m,p-Xylene | 11.837 | 106 | 189774 | 24.729 | ug/L | 96 |
| 54) o-Xylene | 12.160 | 106 | 181642 | 25.421 | ug/L | 99 |
| 55) Styrene | 12.178 | 104 | 317280 | 26.090 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83 | 92332 | 26.927 | ug/L | 96 |
| 59) Bromoform | 12.343 | 173 | 46497 | 25.606 | ug/L | 100 |
| 60) Isopropylbenzene | 12.459 | 105 | 496800 | 24.089 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 65341 | 25.980 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 327070 | 24.882 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 401003 | 25.349 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 211482 | 24.167 | ug/L | 96 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 215628 | 24.223 | ug/L | 95 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 190767 | 24.783 | ug/L | 91 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 14180 | 24.604 | ug/L | 94 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 137403 | 22.818 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 112954 | 24.020 | ug/L | 93 |
| 71) Naphthalene | 15.360 | 128 | 231575 | 27.826 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 103023 | 24.689 | ug/L | 97 |

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

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