Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081423\
Data File : VW026742.D
Acq On : 14 Aug 2023 17:43
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025578

Quant Time: Aug 14 23:28:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Aug 14 23:23:26 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 506568 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 499261 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 275114 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 129522 | 15.554 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 62.200% | | | |
| 7) Chloroethane-d5 | 2.893 | 69 | 113050 | 18.257 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 73.040% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 65 | 81054 | 19.790 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 79.160% | | | |
| 21) 2-Butanone-d5 | 7.081 | 46 | 113719 | 47.512 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 95.020% | | | |
| 24) Chloroform-d | 7.648 | 84 | 417895 | 24.579 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 98.320% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 234087 | 24.949 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.800% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 834089 | 24.241 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 96.960% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.276 | 67 | 267456 | 24.954 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 99.800% | | | |
| 41) Toluene-d8 | 10.325 | 98 | 717876 | 24.305 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 97.200% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 103451 | 23.377 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 93.520% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 60355 | 53.591 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 107.180% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 225472 | 26.638 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 106.560% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 239328 | 24.305 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 97.200% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 154642 | 22.453 | ug/L | 94 |
| 3) Chloromethane | 2.229 | 50 | 195763 | 20.786 | ug/L | 100 |
| 5) Vinyl chloride | 2.381 | 62 | 178344 | 19.809 | ug/L | 100 |
| 6) Bromomethane | 2.783 | 94 | 114139 | 21.760 | ug/L | 100 |
| 8) Chloroethane | 2.936 | 64 | 112463 | 20.848 | ug/L | 99 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 162001 | 21.926 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 190534 | 23.873 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 4.058 | 96 | 180688 | 24.132 | ug/L | 93 |
| 13) Acetone | 4.131 | 43 | 77940 | 32.751 | ug/L | 97 |
| 14) Carbon disulfide | 4.393 | 76 | 637048 | 23.650 | ug/L | 98 |
| 15) Methyl Acetate | 4.673 | 43 | 123429 | 25.892 | ug/L | 98 |
| 16) Methylene chloride | 4.929 | 84 | 234222 | 23.902 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 210190 | 25.157 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 334873 | 26.488 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 442866 | 25.754 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 232412 | 25.879 | ug/L | 98 |
| 22) 2-Butanone | 7.173 | 43 | 162316 | 46.282 | ug/L | 99 |
| 23) Bromochloromethane | 7.514 | 128 | 103535 | 26.688 | ug/L | 96 |
| 25) Chloroform | 7.679 | 83 | 424483 | 25.551 | ug/L | 96 |

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**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025578

Quant Time: Aug 14 23:28:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Aug 14 23:23:26 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 311242 | 26.855 | ug/L | 99 |
| 29) Cyclohexane | 7.959 | 56 | 367660 | 23.813 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 308410 | 23.669 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 285141 | 23.934 | ug/L | 97 |
| 33) Benzene | 8.325 | 78 | 953739 | 26.232 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 227615 | 24.581 | ug/L | 99 |
| 35) Methylcyclohexane | 9.337 | 83 | 392414 | 24.772 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 265978 | 26.708 | ug/L | 99 |
| 38) Bromodichloromethane | 9.642 | 83 | 309184 | 26.466 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 10.075 | 75 | 372216 | 25.981 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 364939 | 56.337 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 982316 | 26.709 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 320404 | 25.983 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 184772 | 27.129 | ug/L | 99 |
| 46) Tetrachloroethene | 10.861 | 164 | 159726 | 23.743 | ug/L | 95 |
| 48) 2-Hexanone | 10.965 | 43 | 245277 | 55.646 | ug/L | 100 |
| 49) Dibromochloromethane | 11.123 | 129 | 189423 | 26.592 | ug/L | 92 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 169318 | 26.495 | ug/L | 100 |
| 51) Chlorobenzene | 11.654 | 112 | 595971 | 25.653 | ug/L | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 1085490 | 26.319 | ug/L | 100 |
| 53) m,p-Xylene | 11.837 | 106 | 402751 | 26.359 | ug/L | 97 |
| 54) o-Xylene | 12.166 | 106 | 390244 | 27.366 | ug/L | 98 |
| 55) Styrene | 12.178 | 104 | 704630 | 28.418 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 230620 | 26.737 | ug/L | 99 |
| 59) Bromoform | 12.349 | 173 | 109243 | 25.348 | ug/L | 96 |
| 60) Isopropylbenzene | 12.465 | 105 | 1037009 | 25.353 | ug/L | 98 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 173317 | 25.971 | ug/L | 97 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 833956 | 25.795 | ug/L | 96 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 847082 | 26.738 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 447561 | 25.160 | ug/L | 94 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 454015 | 24.456 | ug/L | 96 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 403060 | 24.917 | ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75 | 38667 | 24.034 | ug/L | 96 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 289366 | 24.078 | ug/L | 100 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 248735 | 24.411 | ug/L | 98 |
| 71) Naphthalene | 15.360 | 128 | 500980 | 25.775 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 233449 | 25.401 | ug/L | 98 |

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

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