Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026926.D
Acq On : 26 Aug 2023 04:40
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025599

Quant Time: Aug 28 01:09:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Aug 26 05:14:45 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 424831 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 419817 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 229177 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 144776 | 20.730 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 82.920% | | | |
| 7) Chloroethane-d5 | 2.893 | 69 | 127167 | 24.488 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 97.960% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 74678 | 21.741 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 86.960% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 134607 | 67.060 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 134.120% | | | |
| 24) Chloroform-d | 7.648 | 84 | 399251 | 28.001 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 112.000% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 237475 | 30.180 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 120.720% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 769235 | 26.586 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 106.360% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 255902 | 28.394 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 113.560% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 660912 | 26.610 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 106.440% | | | |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79 | 95837 | 25.755 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 103.000% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 66323 | 70.034 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 140.060%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 221785 | 31.161 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 124.640%# | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 227471 | 27.731 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 110.920% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 102223 | 17.698 | ug/L # | 71 |
| 3) Chloromethane | 2.223 | 50 | 189808 | 24.032 | ug/L | 95 |
| 5) Vinyl chloride | 2.375 | 62 | 180765 | 23.941 | ug/L | 95 |
| 6) Bromomethane | 2.783 | 94 | 102940 | 23.400 | ug/L | 99 |
| 8) Chloroethane | 2.930 | 64 | 109691 | 24.246 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.259 | 101 | 130843 | 21.116 | ug/L | 96 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 163870 | 24.483 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 151570 | 24.138 | ug/L | 87 |
| 13) Acetone | 4.119 | 43 | 94410 | 47.304 | ug/L | 99 |
| 14) Carbon disulfide | 4.399 | 76 | 460039 | 20.364 | ug/L | 100 |
| 15) Methyl Acetate | 4.667 | 43 | 130109 | 32.545 | ug/L | 99 |
| 16) Methylene chloride | 4.917 | 84 | 230284 | 28.022 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 178125 | 25.421 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 350780 | 33.085 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 412070 | 28.573 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 210863 | 27.997 | ug/L | 99 |
| 22) 2-Butanone | 7.167 | 43 | 167769 | 57.040 | ug/L | 98 |
| 23) Bromochloromethane | 7.514 | 128 | 92433 | 28.411 | ug/L | 87 |
| 25) Chloroform | 7.673 | 83 | 396825 | 28.482 | ug/L | 97 |

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**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025599

Quant Time: Aug 28 01:09:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Aug 26 05:14:45 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 293045 | 30.150 | ug/L | 99 |
| 29) Cyclohexane | 7.953 | 56 | 324952 | 25.029 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.868 | 97 | 290933 | 26.553 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 256206 | 25.575 | ug/L | 95 |
| 33) Benzene | 8.325 | 78 | 841349 | 27.520 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 209677 | 26.929 | ug/L | 96 |
| 35) Methylcyclohexane | 9.337 | 83 | 323695 | 24.301 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 243034 | 29.023 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 285738 | 29.087 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 340948 | 28.302 | ug/L | 94 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 367474 | 67.463 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 880338 | 28.465 | ug/L | 97 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 292455 | 28.205 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 168460 | 29.415 | ug/L | 97 |
| 46) Tetrachloroethene | 10.861 | 164 | 137899 | 24.378 | ug/L | 88 |
| 48) 2-Hexanone | 10.965 | 43 | 253101 | 68.287 | ug/L | 98 |
| 49) Dibromochloromethane | 11.130 | 129 | 176866 | 29.527 | ug/L | 95 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 153669 | 28.597 | ug/L | 98 |
| 51) Chlorobenzene | 11.654 | 112 | 536573 | 27.467 | ug/L | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 983281 | 28.352 | ug/L | 99 |
| 53) m,p-Xylene | 11.837 | 106 | 363188 | 28.268 | ug/L | 99 |
| 54) o-Xylene | 12.166 | 106 | 352645 | 29.409 | ug/L | 98 |
| 55) Styrene | 12.178 | 104 | 628400 | 30.140 | ug/L | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83 | 218879 | 30.177 | ug/L | 100 |
| 59) Bromoform | 12.349 | 173 | 102495 | 28.550 | ug/L | 97 |
| 60) Isopropylbenzene | 12.459 | 105 | 951182 | 27.916 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 163236 | 29.364 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 794984 | 29.519 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 792340 | 30.023 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 419607 | 28.317 | ug/L | 93 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 407623 | 26.359 | ug/L | 94 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 375461 | 27.863 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 38399 | 28.652 | ug/L | 89 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 261488 | 26.119 | ug/L | 95 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 248745 | 29.305 | ug/L | 97 |
| 71) Naphthalene | 15.360 | 128 | 523983 | 32.362 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.556 | 180 | 205099 | 26.790 | ug/L | 92 |

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

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