Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111622\
Data File : VW025068.D
Acq On : 16 Nov 2022 19:15
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025500

Quant Time: Nov 17 00:42:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102622SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Nov 17 00:39:48 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 437525 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 404709 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 197472 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.355 | 65 | 104614 | 21.302 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 85.200% | | | |
| 7) Chloroethane-d5 | 2.885 | 69 | 78738 | 27.370 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 109.480% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.025 | 63 | 253292 | 20.706 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 82.840% | | | |
| 21) 2-Butanone-d5 | 7.080 | 46 | 96000 | 57.921 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 115.840% | | | |
| 24) Chloroform-d | 7.653 | 84 | 344423 | 25.939 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 103.760% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 175805 | 23.653 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 94.600% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 668604 | 25.775 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 103.080% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 211854 | 27.873 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 111.480% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 585187 | 24.231 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 96.920% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 80022 | 23.743 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 94.960% | | | |
| 47) 2-Hexanone-d5 | 10.927 | 63 | 77737 | 59.208 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 118.420% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 172789 | 28.471 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 113.880% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 195215 | 25.724 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 102.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.007 | 85 | 31720 | 21.736 | ug/L | 90 |
| 3) Chloromethane | 2.221 | 50 | 102755 | 29.275 | ug/L | 95 |
| 5) Vinyl chloride | 2.361 | 62 | 141208 | 29.116 | ug/L | 96 |
| 6) Bromomethane | 2.782 | 94 | 68261 | 28.204 | ug/L | 96 |
| 8) Chloroethane | 2.922 | 64 | 63168 | 31.224 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.257 | 101 | 82863 | 20.367 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068 | 101 | 151728 | 26.336 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 4.044 | 96 | 140573 | 25.901 | ug/L | 89 |
| 13) Acetone | 4.123 | 43 | 51331 | 43.595 | ug/L | 95 |
| 14) Carbon disulfide | 4.385 | 76 | 382550 | 24.129 | ug/L | 98 |
| 15) Methyl Acetate | 4.678 | 43 | 66960 | 28.564 | ug/L | 99 |
| 16) Methylene chloride | 4.922 | 84 | 182568 | 23.501 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 5.428 | 96 | 157484 | 27.099 | ug/L | 95 |
| 18) Methyl tert-butyl Ether | 5.428 | 73 | 259121 | 26.580 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 6.220 | 63 | 309144 | 28.732 | ug/L | 100 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 182703 | 28.844 | ug/L | 96 |
| 22) 2-Butanone | 7.171 | 43 | 87814 | 49.778 | ug/L | 99 |
| 23) Bromochloromethane | 7.513 | 128 | 78680 | 28.653 | ug/L | 98 |
| 25) Chloroform | 7.677 | 83 | 319445 | 28.132 | ug/L | 97 |

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

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025500

Quant Time: Nov 17 00:42:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102622SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Nov 17 00:39:48 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.403 | 62 | 197597 | 25.654 | ug/L | 98 |
| 29) Cyclohexane | 7.958 | 56 | 249905 | 26.151 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 244936 | 24.731 | ug/L | 100 |
| 31) Carbon tetrachloride | 8.067 | 117 | 212342 | 23.994 | ug/L | 100 |
| 33) Benzene | 8.323 | 78 | 689974 | 28.311 | ug/L | 100 |
| 34) Trichloroethene | 9.091 | 95 | 171256 | 26.545 | ug/L | 96 |
| 35) Methylcyclohexane | 9.335 | 83 | 278462 | 25.402 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 176456 | 29.831 | ug/L | 100 |
| 38) Bromodichloromethane | 9.646 | 83 | 232432 | 28.155 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 263414 | 28.169 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 199984 | 57.613 | ug/L | 98 |
| 42) Toluene | 10.384 | 91 | 722035 | 27.906 | ug/L | 93 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 226650 | 27.263 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 128408 | 28.751 | ug/L | 97 |
| 46) Tetrachloroethene | 10.866 | 164 | 121476 | 26.328 | ug/L | 88 |
| 48) 2-Hexanone | 10.969 | 43 | 135672 | 56.516 | ug/L | 99 |
| 49) Dibromochloromethane | 11.128 | 129 | 153533 | 28.202 | ug/L | 95 |
| 50) 1,2-Dibromoethane | 11.237 | 107 | 119276 | 28.238 | ug/L | 95 |
| 51) Chlorobenzene | 11.658 | 112 | 465218 | 27.739 | ug/L | 98 |
| 52) Ethylbenzene | 11.731 | 91 | 820201 | 27.462 | ug/L | 98 |
| 53) m,p-Xylene | 11.835 | 106 | 313286 | 27.099 | ug/L | 96 |
| 54) o-Xylene | 12.164 | 106 | 304743 | 27.941 | ug/L | 97 |
| 55) Styrene | 12.176 | 104 | 530893 | 28.025 | ug/L | 95 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 156821 | 29.270 | ug/L | 98 |
| 59) Bromoform | 12.347 | 173 | 78651 | 28.160 | ug/L | 97 |
| 60) Isopropylbenzene | 12.463 | 105 | 828199 | 27.896 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 112610 | 28.384 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 703953 | 27.315 | ug/L | 97 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 697478 | 27.599 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 347106 | 28.032 | ug/L | 95 |
| 65) 1,4-Dichlorobenzene | 13.578 | 146 | 341273 | 27.621 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.871 | 146 | 311073 | 27.940 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 22764 | 24.829 | ug/L | 94 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 216343 | 26.379 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.133 | 180 | 168507 | 26.434 | ug/L | 99 |
| 71) Naphthalene | 15.359 | 128 | 359778 | 26.755 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 144550 | 26.025 | ug/L | 97 |

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

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MSVOA_W
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VSTD025500

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