Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110322\
Data File : VW025014.D
Acq On : 03 Nov 2022 08:19
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025485

Quant Time: Nov 04 04:13:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102622SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 27 23:51:01 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 283007 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 260653 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 140009 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.355 | 65 | 65203 | 20.526 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 82.120% | | | |
| 7) Chloroethane-d5 | 2.885 | 69 | 38305 | 20.585 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 82.360% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.019 | 63 | 183616 | 23.205 | ug/L | -0.01 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 92.840% | | | |
| 21) 2-Butanone-d5 | 7.080 | 46 | 44037 | 41.076 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 82.160% | | | |
| 24) Chloroform-d | 7.647 | 84 | 216717 | 25.233 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 100.920% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 114845 | 23.888 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.560% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 404758 | 24.227 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 96.920% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 113717 | 23.230 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 92.920% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 378490 | 24.334 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 97.320% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 50074 | 23.069 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 92.280% | | | |
| 47) 2-Hexanone-d5 | 10.921 | 63 | 34673 | 41.004 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 82.000% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84 | 85372 | 21.842 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 87.360% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 117068 | 21.758 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 87.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.008 | 85 | 23019 | 24.386 | ug/L | 99 |
| 3) Chloromethane | 2.221 | 50 | 46847 | 20.634 | ug/L | 96 |
| 5) Vinyl chloride | 2.361 | 62 | 71135 | 22.676 | ug/L | 99 |
| 6) Bromomethane | 2.782 | 94 | 35109 | 22.427 | ug/L | 94 |
| 8) Chloroethane | 2.922 | 64 | 27019 | 20.647 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.257 | 101 | 62299 | 23.673 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068 | 101 | 94261 | 25.294 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 4.038 | 96 | 88014 | 25.071 | ug/L | 99 |
| 13) Acetone | 4.123 | 43 | 39034 | 51.252 | ug/L | 98 |
| 14) Carbon disulfide | 4.385 | 76 | 245724 | 23.961 | ug/L | 98 |
| 15) Methyl Acetate | 4.666 | 43 | 30195 | 19.913 | ug/L | 97 |
| 16) Methylene chloride | 4.922 | 84 | 97523 | 19.408 | ug/L | 99 |
| 17) trans-1,2-Dichloroethene | 5.428 | 96 | 93314 | 24.823 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 5.422 | 73 | 141350 | 22.416 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.214 | 63 | 171134 | 24.590 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 102707 | 25.068 | ug/L | 95 |
| 22) 2-Butanone | 7.165 | 43 | 46702 | 40.928 | ug/L | 98 |
| 23) Bromochloromethane | 7.519 | 128 | 41482 | 23.354 | ug/L | 91 |
| 25) Chloroform | 7.677 | 83 | 186388 | 25.376 | ug/L | 97 |

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ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025485

Quant Time: Nov 04 04:13:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM102622SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 27 23:51:01 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.397 | 62 | 120032 | 24.092 | ug/L | 99 |
| 29) Cyclohexane | 7.952 | 56 | 150163 | 24.398 | ug/L | 97 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 168644 | 26.439 | ug/L | 98 |
| 31) Carbon tetrachloride | 8.067 | 117 | 154442 | 27.096 | ug/L | 98 |
| 33) Benzene | 8.323 | 78 | 389384 | 24.807 | ug/L | 100 |
| 34) Trichloroethene | 9.092 | 95 | 105917 | 25.490 | ug/L | 100 |
| 35) Methylcyclohexane | 9.335 | 83 | 177059 | 25.078 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 90092 | 23.648 | ug/L | 98 |
| 38) Bromodichloromethane | 9.640 | 83 | 135637 | 25.510 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 149756 | 24.866 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 91137 | 40.766 | ug/L | 98 |
| 42) Toluene | 10.384 | 91 | 421719 | 25.307 | ug/L | 94 |
| 44) trans-1,3-Dichloropropene | 10.604 | 75 | 130388 | 24.352 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 67961 | 23.627 | ug/L | 95 |
| 46) Tetrachloroethene | 10.860 | 164 | 77357 | 26.032 | ug/L | 90 |
| 48) 2-Hexanone | 10.969 | 43 | 68321 | 44.189 | ug/L | 99 |
| 49) Dibromochloromethane | 11.128 | 129 | 86998 | 24.812 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 11.231 | 107 | 61742 | 22.696 | ug/L | 98 |
| 51) Chlorobenzene | 11.658 | 112 | 270549 | 25.047 | ug/L | 96 |
| 52) Ethylbenzene | 11.725 | 91 | 488722 | 25.407 | ug/L | 98 |
| 53) m,p-Xylene | 11.835 | 106 | 186670 | 25.070 | ug/L | 93 |
| 54) o-Xylene | 12.164 | 106 | 177687 | 25.295 | ug/L | 97 |
| 55) Styrene | 12.176 | 104 | 307040 | 25.166 | ug/L | 90 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 76431 | 22.150 | ug/L | 96 |
| 59) Bromoform | 12.347 | 173 | 45375 | 22.914 | ug/L | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 511511 | 24.300 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 56951 | 20.247 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 446393 | 24.430 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 434580 | 24.254 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 13.493 | 146 | 211607 | 24.103 | ug/L | 97 |
| 65) 1,4-Dichlorobenzene | 13.579 | 146 | 213511 | 24.373 | ug/L | 96 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 184502 | 23.373 | ug/L | 89 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 13764 | 21.174 | ug/L | 91 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 141068 | 24.260 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 115399 | 25.533 | ug/L | 98 |
| 71) Naphthalene | 15.359 | 128 | 206437 | 21.652 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.548 | 180 | 91747 | 23.298 | ug/L | 98 |

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

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