Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
Data File : VW020258.D
Acq On : 30 Sep 2021 03:06
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD025561

Quant Time: Sep 30 05:06:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 30 02:06:51 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.848 | 114 | 271983 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 253784 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 128928 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.361 | 65 | 95668 | 17.193 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 68.760% | | | |
| 7) Chloroethane-d5 | 2.892 | 69 | 88351 | 21.078 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 84.320% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.032 | 63 | 138187 | 15.862 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 63.440% | | | |
| 21) 2-Butanone-d5 | 7.074 | 46 | 47625 | 55.467 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 110.940% | | | |
| 24) Chloroform-d | 7.653 | 84 | 198968 | 23.261 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 93.040% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 92021 | 19.989 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 79.960% | | | |
| 32) Benzene-d6 | 8.281 | 84 | 342866 | 21.176 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 84.720% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.275 | 67 | 106458 | 22.719 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 90.880% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 497615 | 33.778 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 135.120%# | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 71305 | 35.603 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 142.400%# | | | |
| 47) 2-Hexanone-d5 | 10.927 | 63 | 58323 | 89.942 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 179.880%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84 | 90062 | 24.917 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 99.680% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 115749 | 23.943 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 95.760% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.014 | 85 | 56845 | 23.862 | ug/L | 97 |
| 3) Chloromethane | 2.215 | 50 | 74750 | 22.692 | ug/L | 99 |
| 5) Vinyl chloride | 2.367 | 62 | 129563 | 25.048 | ug/L | 96 |
| 6) Bromomethane | 2.788 | 94 | 90942 | 27.196 | ug/L | 100 |
| 8) Chloroethane | 2.934 | 64 | 84660 | 27.066 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.263 | 101 | 59815 | 16.436 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074 | 101 | 84101 | 21.139 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 4.050 | 96 | 81014 | 22.461 | ug/L | 75 |
| 13) Acetone | 4.129 | 43 | 23543 | 32.015 | ug/L | 91 |
| 14) Carbon disulfide | 4.391 | 76 | 220009 | 19.396 | ug/L | 99 |
| 15) Methyl Acetate | 4.678 | 43 | 32129 | 22.847 | ug/L | 93 |
| 16) Methylene chloride | 4.922 | 84 | 95283 | 19.854 | ug/L | 95 |
| 17) trans-1,2-Dichloroethene | 5.428 | 96 | 89147 | 23.461 | ug/L | 87 |
| 18) Methyl tert-butyl Ether | 5.434 | 73 | 109176 | 24.203 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 6.220 | 63 | 166583 | 23.769 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.165 | 96 | 107824 | 27.902 | ug/L | 99 |
| 22) 2-Butanone | 7.171 | 43 | 47669 | 49.965 | ug/L | 94 |
| 23) Bromochloromethane | 7.519 | 128 | 48256 | 27.547 | ug/L | 88 |
| 25) Chloroform | 7.683 | 83 | 174275 | 23.779 | ug/L | 99 |

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

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD025561

Quant Time: Sep 30 05:06:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 30 02:06:51 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.403 | 62 | 102231 | 21.196 | ug/L | | 97 |
| 29) Cyclohexane | 7.952 | 56 | 135441 | 23.984 | ug/L | | 95 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 148593 | 23.629 | ug/L | | 97 |
| 31) Carbon tetrachloride | 8.067 | 117 | 131382 | 22.962 | ug/L | | 100 |
| 33) Benzene | 8.323 | 78 | 348715 | 22.768 | ug/L | | 100 |
| 34) Trichloroethene | 9.098 | 95 | 105990 | 25.851 | ug/L | | 91 |
| 35) Methylcyclohexane | 9.336 | 83 | 185384 | 27.750 | ug/L | | 96 |
| 37) 1,2-Dichloropropane | 9.372 | 63 | 87825 | 23.151 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.646 | 83 | 124402 | 24.216 | ug/L | | 96 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 136166 | 24.336 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 109963 | 57.554 | ug/L | | 98 |
| 42) Toluene | 10.390 | 91 | 596372 | 36.650 | ug/L | | 97 |
| 44) trans-1,3-Dichloropropene | 10.604 | 75 | 187136 | 37.234 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 102765 | 36.944 | ug/L | | 97 |
| 46) Tetrachloroethene | 10.866 | 164 | 109762 | 34.635 | ug/L | | 94 |
| 48) 2-Hexanone | 10.969 | 43 | 110722 | 83.192 | ug/L | | 97 |
| 49) Dibromochloromethane | 11.128 | 129 | 94642 | 29.117 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 11.238 | 107 | 75046 | 28.667 | ug/L | | 98 |
| 51) Chlorobenzene | 11.658 | 112 | 279344 | 26.395 | ug/L | | 99 |
| 52) Ethylbenzene | 11.731 | 91 | 456195 | 25.454 | ug/L | | 97 |
| 53) m,p-Xylene | 11.841 | 106 | 179924 | 26.332 | ug/L | | 99 |
| 54) o-Xylene | 12.164 | 106 | 167876 | 26.560 | ug/L | | 99 |
| 55) Styrene | 12.183 | 104 | 286774 | 26.111 | ug/L | | 96 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 83252 | 25.057 | ug/L | | 96 |
| 59) Bromoform | 12.353 | 173 | 49309 | 28.051 | ug/L | # | 98 |
| 60) Isopropylbenzene | 12.463 | 105 | 474887 | 27.471 | ug/L | | 98 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 59016 | 24.242 | ug/L | | 96 |
| 62) 1,3,5-Trimethylbenzene | 12.939 | 105 | 394752 | 27.825 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 368666 | 26.453 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 207297 | 26.148 | ug/L | | 98 |
| 65) 1,4-Dichlorobenzene | 13.579 | 146 | 200203 | 24.436 | ug/L | | 94 |
| 67) 1,2-Dichlorobenzene | 13.871 | 146 | 181519 | 25.140 | ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 13927 | 25.484 | ug/L | | 93 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 145287 | 26.496 | ug/L | | 99 |
| 70) 1,2,4-trichlorobenzene | 15.133 | 180 | 126642 | 29.926 | ug/L | | 95 |
| 71) Naphthalene | 15.365 | 128 | 256090 | 34.312 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 113710 | 29.841 | ug/L | | 98 |

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

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ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025561

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