Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021514.D
Acq On : 21 Dec 2021 09:08
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 22 00:47:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025522

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 128579 | 25.000 | ug/L | # 0.00 |
| 28) Chlorobenzene-d5 | 11.634 | 117 | 121584 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 70090 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.355 | 65 | 42322 | 18.073 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 72.280% | | | |
| 7) Chloroethane-d5 | 2.885 | 69 | 31222 | 20.168 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 80.680% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.019 | 63 | 78176 | 25.040 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 100.160% | | | |
| 21) 2-Butanone-d5 | 7.074 | 46 | 16911 | 51.231 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 102.460% | | | |
| 24) Chloroform-d | 7.653 | 84 | 86840 | 24.235 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 96.960% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 45309 | 23.772 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.080% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 162320 | 24.356 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 97.440% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 44962 | 25.156 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 100.640% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 163395 | 23.996 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 96.000% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 19634 | 23.858 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 95.440% | | | |
| 47) 2-Hexanone-d5 | 10.920 | 63 | 13686 | 51.783 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 103.560% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84 | 34888 | 22.707 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 90.840% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 59894 | 22.049 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 88.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.014 | 85 | 8674 | 17.460 | ug/L | 94 |
| 3) Chloromethane | 2.215 | 50 | 31624 | 19.227 | ug/L | 97 |
| 5) Vinyl chloride | 2.361 | 62 | 51125 | 19.801 | ug/L | 98 |
| 6) Bromomethane | 2.782 | 94 | 31575 | 18.854 | ug/L | 90 |
| 8) Chloroethane | 2.922 | 64 | 25933 | 21.801 | ug/L | 94 |
| 9) Trichlorofluoromethane | 3.263 | 101 | 38158 | 28.009 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068 | 101 | 43839 | 24.691 | ug/L | 90 |
| 12) 1,1-Dichloroethene | 4.044 | 96 | 38672 | 24.264 | ug/L | 84 |
| 13) Acetone | 4.123 | 43 | 15979 | 53.998 | ug/L | 97 |
| 14) Carbon disulfide | 4.385 | 76 | 91606 | 22.257 | ug/L | 97 |
| 15) Methyl Acetate | 4.678 | 43 | 12717 | 24.906 | ug/L # | 89 |
| 16) Methylene chloride | 4.915 | 84 | 40394 | 19.013 | ug/L | 83 |
| 17) trans-1,2-Dichloroethene | 5.428 | 96 | 40928 | 23.717 | ug/L | 84 |
| 18) Methyl tert-butyl Ether | 5.428 | 73 | 61715 | 25.894 | ug/L | 94 |
| 19) 1,1-Dichloroethane | 6.214 | 63 | 68873 | 25.434 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 44556 | 24.479 | ug/L | 77 |
| 22) 2-Butanone | 7.171 | 43 | 19803 | 51.243 | ug/L | 85 |
| 23) Bromochloromethane | 7.513 | 128 | 21011 | 24.688 | ug/L # | 65 |
| 25) Chloroform | 7.677 | 83 | 79987 | 25.445 | ug/L | 98 |

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Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 22 00:47:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025522

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 12/22/2021
Supervised By :Amit Patel 12/24/2021

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.403 | 62 | 49588 | 24.910 | ug/L | | 98 |
| 29) Cyclohexane | 7.958 | 56 | 61581 | 25.447 | ug/L | # | 81 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 72373 | 26.530 | ug/L | | 95 |
| 31) Carbon tetrachloride | 8.073 | 117 | 67005 | 26.626 | ug/L | | 99 |
| 33) Benzene | 8.323 | 78 | 160165 | 24.182 | ug/L | | 100 |
| 34) Trichloroethene | 9.091 | 95 | 46045 | 24.765 | ug/L | | 88 |
| 35) Methylcyclohexane | 9.335 | 83 | 74433 | 24.269 | ug/L | | 86 |
| 37) 1,2-Dichloropropane | 9.372 | 63 | 37015 | 25.055 | ug/L | # | 96 |
| 38) Bromodichloromethane | 9.646 | 83 | 54767 | 26.962 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 61788 | 26.532 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 10.213 | 43 | 40652 | 50.500 | ug/L | # | 91 |
| 42) Toluene | 10.390 | 91 | 184891 | 23.868 | ug/L | | 96 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 53445 | 26.201 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 30353 | 25.102 | ug/L | | 93 |
| 46) Tetrachloroethene | 10.866 | 164 | 42740 | 24.198 | ug/L | | 96 |
| 48) 2-Hexanone | 10.969 | 43 | 29870 | 51.168 | ug/L | # | 93 |
| 49) Dibromochloromethane | 11.128 | 129 | 38107 | 25.563 | ug/L | | 92 |
| 50) 1,2-Dibromoethane | 11.237 | 107 | 30182 | 25.081 | ug/L | | 97 |
| 51) Chlorobenzene | 11.658 | 112 | 127391 | 24.564 | ug/L | | 93 |
| 52) Ethylbenzene | 11.731 | 91 | 215093 | 24.299 | ug/L | | 99 |
| 53) m,p-Xylene | 11.841 | 106 | 85776 | 24.020 | ug/L | | 89 |
| 54) o-Xylene | 12.164 | 106 | 82816 | 24.436 | ug/L | | 91 |
| 55) Styrene | 12.176 | 104 | 135098 | 23.423 | ug/L | | 96 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 32671 | 23.570 | ug/L | # | 94 |
| 59) Bromoform | 12.353 | 173 | 19955 | 23.928 | ug/L | | 97 |
| 60) Isopropylbenzene | 12.463 | 105 | 234595 | 24.632 | ug/L | | 97 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 23975 | 23.503 | ug/L | # | 93 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 189785 | 23.418 | ug/L | | 92 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 189146 | 23.659 | ug/L | | 96 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 101471 | 22.588 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 13.579 | 146 | 107250 | 24.030 | ug/L | | 93 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 93379 | 23.611 | ug/L | | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 4581 | 21.772 | ug/L | # | 79 |
| 69) 1,3,5-Trichlorobenzene | 14.621 | 180 | 77723 | 23.149 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 62484 | 23.137 | ug/L | | 94 |
| 71) Naphthalene | 15.365 | 128 | 100332 | 22.868 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.560 | 180 | 46967m | 21.044 | ug/L | | |

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

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