Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW033123\
Data File : VW025543.D
Acq On : 31 Mar 2023 19:24
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025563

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 04/01/2023
Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Apr 01 00:41:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Apr 01 00:35:04 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 692139 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 615926 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 307638 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 187591 | 16.301 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 65.200% | | | |
| 7) Chloroethane-d5 | 2.893 | 69 | 163288 | 19.719 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 78.880% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.033 | 63 | 445574 | 20.046 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 80.200% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 147101 | 52.075 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 104.160% | | | |
| 24) Chloroform-d | 7.648 | 84 | 493035 | 24.709 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 98.840% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 266082 | 24.845 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.360% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 972874 | 23.116 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 92.480% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 314591 | 24.163 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 96.640% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 855002 | 23.042 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 92.160% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 115320 | 22.244 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 88.960% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 99686 | 53.246 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 106.500% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 237526 | 24.902 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 99.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 272559 | 23.825 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 95.280% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 160693 | 20.315 | ug/L | 95 |
| 3) Chloromethane | 2.223 | 50 | 229737 | 24.421 | ug/L | 97 |
| 5) Vinyl chloride | 2.375 | 62 | 248693 | 23.399 | ug/L | 98 |
| 6) Bromomethane | 2.790 | 94 | 139203 | 24.567 | ug/L | 96 |
| 8) Chloroethane | 2.936 | 64 | 150228 | 24.593 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 174559 | 18.976 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 220360 | 24.701 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 207169m | 24.002 | ug/L | |
| 13) Acetone | 4.119 | 43 | 100305 | 36.938 | ug/L | 98 |
| 14) Carbon disulfide | 4.393 | 76 | 623722 | 23.242 | ug/L | 100 |
| 15) Methyl Acetate | 4.667 | 43 | 120512 | 23.657 | ug/L | 96 |
| 16) Methylene chloride | 4.923 | 84 | 251831 | 26.130 | ug/L | 94 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 230667 | 25.494 | ug/L | 92 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 359577 | 26.398 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 502453 | 26.817 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.173 | 96 | 260962 | 26.343 | ug/L | 97 |
| 22) 2-Butanone | 7.167 | 43 | 154595 | 44.009 | ug/L | 98 |
| 23) Bromochloromethane | 7.514 | 128 | 108444 | 25.456 | ug/L | 91 |
| 25) Chloroform | 7.679 | 83 | 471698 | 26.780 | ug/L | 100 |

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

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025563

Quant Time: Apr 01 00:41:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Apr 01 00:35:04 2023
Response via : Initial Calibration

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 04/01/2023
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 320482 | 27.265 | ug/L | | 100 |
| 29) Cyclohexane | 7.953 | 56 | 436249 | 25.092 | ug/L | | 98 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 360728 | 24.637 | ug/L | | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 311954 | 23.769 | ug/L | | 100 |
| 33) Benzene | 8.325 | 78 | 1044535 | 26.525 | ug/L | | 100 |
| 34) Trichloroethene | 9.093 | 95 | 259869 | 25.143 | ug/L | | 95 |
| 35) Methylcyclohexane | 9.331 | 83 | 441496 | 24.797 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 290719 | 26.820 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.642 | 83 | 331250 | 26.203 | ug/L | | 96 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 404181 | 25.883 | ug/L | | 100 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 337782 | 51.848 | ug/L | | 99 |
| 42) Toluene | 10.386 | 91 | 1101344 | 27.088 | ug/L | | 96 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 331994 | 25.387 | ug/L | | 100 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 186958 | 25.683 | ug/L | | 97 |
| 46) Tetrachloroethene | 10.861 | 164 | 179196 | 24.367 | ug/L | | 98 |
| 48) 2-Hexanone | 10.965 | 43 | 234621 | 50.056 | ug/L | | 99 |
| 49) Dibromochloromethane | 11.130 | 129 | 194984 | 25.069 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 165878 | 24.618 | ug/L | # | 96 |
| 51) Chlorobenzene | 11.654 | 112 | 659616 | 25.562 | ug/L | | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 1228913 | 26.502 | ug/L | | 97 |
| 53) m,p-Xylene | 11.837 | 106 | 452688 | 26.468 | ug/L | | 100 |
| 54) o-Xylene | 12.166 | 106 | 430145 | 26.727 | ug/L | | 95 |
| 55) Styrene | 12.178 | 104 | 753501 | 27.416 | ug/L | | 96 |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83 | 227974 | 25.177 | ug/L | | 97 |
| 59) Bromoform | 12.349 | 173 | 107785 | 24.284 | ug/L | | 98 |
| 60) Isopropylbenzene | 12.459 | 105 | 1197488 | 26.112 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 164389 | 24.526 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 982258 | 27.044 | ug/L | | 97 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 964763 | 26.963 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 495789 | 25.513 | ug/L | | 99 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 496958 | 24.931 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 431591 | 24.763 | ug/L | | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 35012 | 22.564 | ug/L | | 93 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 331456 | 25.092 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 275770 | 25.179 | ug/L | | 100 |
| 71) Naphthalene | 15.360 | 128 | 553845 | 25.618 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 245978 | 25.004 | ug/L | | 99 |

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

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