Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021323\
Data File : VW025326.D
Acq On : 13 Feb 2023 08:44
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025536

Quant Time: Feb 13 23:29:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 07 20:11:22 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.837 | 114 | 355658 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 311925 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 158074 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 73799 | 21.443 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 85.760% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 67712 | 22.158 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 88.640% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 63 | 217162 | 22.756 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 91.040% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 46526 | 52.075 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 104.140% | | | |
| 24) Chloroform-d | 7.648 | 84 | 226141 | 24.259 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 97.040% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.301 | 65 | 113635 | 25.025 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 100.120% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 425689 | 22.517 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 90.080% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 123853 | 22.390 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 89.560% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 387610 | 22.937 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 91.760% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 52094 | 25.204 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 100.800% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 35683 | 57.535 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 115.080% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 94982 | 25.250 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 101.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 127365 | 23.223 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 92.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 112933 | 23.466 | ug/L | 90 |
| 3) Chloromethane | 2.229 | 50 | 107749 | 23.325 | ug/L | 99 |
| 5) Vinyl chloride | 2.375 | 62 | 122891 | 26.121 | ug/L | 96 |
| 6) Bromomethane | 2.790 | 94 | 80575 | 25.013 | ug/L | 97 |
| 8) Chloroethane | 2.936 | 64 | 77255 | 26.304 | ug/L | 100 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 154455 | 22.824 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 135696 | 27.653 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 4.039 | 96 | 129020 | 26.487 | ug/L | 97 |
| 13) Acetone | 4.125 | 43 | 59268 | 60.162 | ug/L | 99 |
| 14) Carbon disulfide | 4.387 | 76 | 388727 | 24.420 | ug/L | 100 |
| 15) Methyl Acetate | 4.673 | 43 | 46316 | 27.476 | ug/L | 100 |
| 16) Methylene chloride | 4.911 | 84 | 130257 | 21.514 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 134052 | 25.625 | ug/L | 94 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 190239 | 25.297 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 249985 | 26.837 | ug/L | 100 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 144065 | 26.228 | ug/L | 92 |
| 22) 2-Butanone | 7.167 | 43 | 67999 | 56.761 | ug/L | 99 |
| 23) Bromochloromethane | 7.514 | 128 | 60713 | 26.835 | ug/L | 94 |
| 25) Chloroform | 7.673 | 83 | 255513 | 26.667 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021323\
Data File : VW025326.D
Acq On : 13 Feb 2023 08:44
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025536

Quant Time: Feb 13 23:29:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 07 20:11:22 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 163848 | 28.077 | ug/L | 100 |
| 29) Cyclohexane | 7.953 | 56 | 219549 | 24.441 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 232438 | 26.271 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 217565 | 26.586 | ug/L | 99 |
| 33) Benzene | 8.325 | 78 | 551908 | 25.568 | ug/L | 100 |
| 34) Trichloroethene | 9.087 | 95 | 151323 | 25.027 | ug/L | 97 |
| 35) Methylcyclohexane | 9.331 | 83 | 263638 | 24.428 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 134053 | 25.180 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 182063 | 25.719 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 219829 | 25.219 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.203 | 43 | 121559 | 51.713 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 592559 | 27.605 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 181736 | 29.248 | ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 97005 | 28.911 | ug/L | 96 |
| 46) Tetrachloroethene | 10.861 | 164 | 114304 | 29.581 | ug/L | 90 |
| 48) 2-Hexanone | 10.965 | 43 | 93514 | 63.016 | ug/L | 99 |
| 49) Dibromochloromethane | 11.123 | 129 | 111674 | 29.468 | ug/L | 100 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 88422 | 28.768 | ug/L | 97 |
| 51) Chlorobenzene | 11.654 | 112 | 371061 | 26.267 | ug/L | 95 |
| 52) Ethylbenzene | 11.727 | 91 | 690094 | 26.832 | ug/L | 97 |
| 53) m,p-Xylene | 11.831 | 106 | 262140 | 26.894 | ug/L | 90 |
| 54) o-Xylene | 12.160 | 106 | 247620 | 25.236 | ug/L | 96 |
| 55) Styrene | 12.178 | 104 | 425952 | 25.638 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 106774 | 26.708 | ug/L | 98 |
| 59) Bromoform | 12.349 | 173 | 60868 | 27.140 | ug/L | 98 |
| 60) Isopropylbenzene | 12.459 | 105 | 711841 | 26.591 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.769 | 75 | 77777 | 27.673 | ug/L | 97 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 598403 | 27.727 | ug/L | 97 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 586137 | 27.105 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 292037 | 26.330 | ug/L | 98 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 290795 | 26.569 | ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 250663 | 26.225 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75 | 17468 | 26.611 | ug/L | 98 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 198941 | 27.582 | ug/L | 97 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 155624 | 26.498 | ug/L | 99 |
| 71) Naphthalene | 15.360 | 128 | 299526 | 27.898 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 137536 | 27.274 | ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021323\
Data File : VW025326.D
Acq On : 13 Feb 2023 08:44
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025536

Quant Time: Feb 13 23:29:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 07 20:11:22 2023
Response via : Initial Calibration