Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020323\
Data File : VW025269.D
Acq On : 03 Feb 2023 10:41
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VICV424

Quant Time: Feb 03 13:22:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 03 11:28:47 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.841 | 114 | 391879 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.627 | 117 | 341759 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 165481 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.367 | 65 | 95629 | 25.218 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 100.880% | | | |
| 7) Chloroethane-d5 | 2.903 | 69 | 80938 | 24.038 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 96.160% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.025 | 63 | 251438 | 23.912 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 95.640% | | | |
| 21) 2-Butanone-d5 | 7.079 | 46 | 48120 | 48.881 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 97.760% | | | |
| 24) Chloroform-d | 7.653 | 84 | 244435 | 23.798 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 95.200% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 122047 | 24.394 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.560% | | | |
| 32) Benzene-d6 | 8.274 | 84 | 486574 | 23.491 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 93.960% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 136477 | 22.519 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 90.080% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 444168 | 23.989 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 95.960% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 59523 | 26.284 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 105.120% | | | |
| 47) 2-Hexanone-d5 | 10.920 | 63 | 40393 | 59.444 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 118.880% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 96492 | 23.412 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 93.640% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 140286 | 24.434 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 97.720% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.019 | 85 | 121883 | 22.985 | ug/L | 96 |
| 3) Chloromethane | 2.227 | 50 | 137004 | 26.917 | ug/L | 97 |
| 5) Vinyl chloride | 2.373 | 62 | 146234 | 28.209 | ug/L | 97 |
| 6) Bromomethane | 2.794 | 94 | 94728 | 26.689 | ug/L | 99 |
| 8) Chloroethane | 2.940 | 64 | 87445 | 27.021 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.275 | 101 | 190168 | 25.504 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074 | 101 | 146222 | 27.044 | ug/L # | 86 |
| 12) 1,1-Dichloroethene | 4.050 | 96 | 138014 | 25.714 | ug/L | 89 |
| 13) Acetone | 4.141 | 43 | 49609 | 45.703 | ug/L | 97 |
| 14) Carbon disulfide | 4.391 | 76 | 459867 | 26.219 | ug/L | 99 |
| 15) Methyl Acetate | 4.677 | 43 | 49205 | 26.492 | ug/L | 99 |
| 16) Methylene chloride | 4.921 | 84 | 147729 | 22.145 | ug/L | 94 |
| 17) trans-1,2-Dichloroethene | 5.433 | 96 | 147829 | 25.647 | ug/L | 95 |
| 18) Methyl tert-butyl Ether | 5.427 | 73 | 220377 | 26.596 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.220 | 63 | 264688 | 25.789 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 157932 | 26.095 | ug/L | 97 |
| 22) 2-Butanone | 7.177 | 43 | 62998 | 47.726 | ug/L | 99 |
| 23) Bromochloromethane | 7.512 | 128 | 66004 | 26.477 | ug/L | 93 |
| 25) Chloroform | 7.677 | 83 | 269961 | 25.571 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020323\
Data File : VW025269.D
Acq On : 03 Feb 2023 10:41
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VICV424

Quant Time: Feb 03 13:22:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 03 11:28:47 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.402 | 62 | 172873 | 26.886 | ug/L | 99 |
| 29) Cyclohexane | 7.957 | 56 | 250353 | 25.437 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 242691 | 25.035 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.073 | 117 | 224068 | 24.990 | ug/L | 99 |
| 33) Benzene | 8.323 | 78 | 595960 | 25.199 | ug/L | 100 |
| 34) Trichloroethene | 9.091 | 95 | 164195 | 24.786 | ug/L | 94 |
| 35) Methylcyclohexane | 9.335 | 83 | 289199 | 24.457 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 145615 | 24.964 | ug/L | 99 |
| 38) Bromodichloromethane | 9.646 | 83 | 192350 | 24.800 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 239626 | 25.090 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 135112 | 52.461 | ug/L | 99 |
| 42) Toluene | 10.384 | 91 | 644264 | 27.394 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 194998 | 28.643 | ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 103694 | 28.207 | ug/L | 95 |
| 46) Tetrachloroethene | 10.859 | 164 | 119547 | 28.237 | ug/L | 97 |
| 48) 2-Hexanone | 10.969 | 43 | 91371 | 56.197 | ug/L | 97 |
| 49) Dibromochloromethane | 11.128 | 129 | 119382 | 28.752 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 11.237 | 107 | 97390 | 28.920 | ug/L | 97 |
| 51) Chlorobenzene | 11.658 | 112 | 400334 | 25.865 | ug/L | 100 |
| 52) Ethylbenzene | 11.725 | 91 | 694745 | 24.655 | ug/L | 100 |
| 53) m,p-Xylene | 11.835 | 106 | 285787 | 26.760 | ug/L | 100 |
| 54) o-Xylene | 12.164 | 106 | 269251 | 25.045 | ug/L | 95 |
| 55) Styrene | 12.176 | 104 | 449924 | 24.717 | ug/L | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 112483 | 25.680 | ug/L | 97 |
| 59) Bromoform | 12.347 | 173 | 61994 | 26.405 | ug/L | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 748248 | 26.699 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 12.767 | 75 | 81424 | 27.674 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 637439 | 28.214 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 615761 | 27.200 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 308063 | 26.532 | ug/L | 95 |
| 65) 1,4-Dichlorobenzene | 13.578 | 146 | 304810 | 26.603 | ug/L | 100 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 269079 | 26.892 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 16651 | 24.231 | ug/L | 89 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 170235 | 22.545 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 149529 | 24.320 | ug/L | 99 |
| 71) Naphthalene | 15.358 | 128 | 275201 | 24.485 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.547 | 180 | 114713 | 21.730 | ug/L | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020323\
Data File : VW025269.D
Acq On : 03 Feb 2023 10:41
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VICV424

Quant Time: Feb 03 13:22:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 03 11:28:47 2023
Response via : Initial Calibration