Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081622\
Data File : VW024248.D
Acq On : 16 Aug 2022 11:29
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 17 00:21:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Aug 16 01:17:17 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.841 | 114 | 294539 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.627 | 117 | 273685 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 155666 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.342 | 65 | 106874 | 17.359 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 69.440% | | | |
| 7) Chloroethane-d5 | 2.873 | 69 | 74695 | 19.476 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 77.920% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.013 | 63 | 152043 | 21.670 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 86.680% | | | |
| 21) 2-Butanone-d5 | 7.073 | 46 | 56471 | 49.302 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 98.600% | | | |
| 24) Chloroform-d | 7.640 | 84 | 203347 | 22.817 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 91.280% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.299 | 65 | 105397 | 21.301 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 85.200% | | | |
| 32) Benzene-d6 | 8.268 | 84 | 351844 | 21.798 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 87.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.268 | 67 | 107477 | 22.552 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 90.200% | | | |
| 41) Toluene-d8 | 10.317 | 98 | 326041 | 21.611 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 86.440% | | | |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79 | 47359 | 22.688 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 90.760% | | | |
| 47) 2-Hexanone-d5 | 10.920 | 63 | 45419 | 51.598 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 103.200% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 111673 | 24.152 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 96.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.846 | 152 | 129410 | 22.718 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 90.880% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.001 | 85 | 40391 | 15.587 | ug/L | 96 |
| 3) Chloromethane | 2.202 | 50 | 104294 | 21.460 | ug/L | 95 |
| 5) Vinyl chloride | 2.349 | 62 | 166189 | 24.565 | ug/L | 99 |
| 6) Bromomethane | 2.763 | 94 | 96737 | 24.939 | ug/L | 95 |
| 8) Chloroethane | 2.903 | 64 | 73125 | 24.676 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.239 | 101 | 67202 | 20.955 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.049 | 101 | 112682 | 26.052 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 4.025 | 96 | 94908 | 26.803 | ug/L | 93 |
| 13) Acetone | 4.123 | 43 | 41857 | 49.635 | ug/L | 66 |
| 14) Carbon disulfide | 4.373 | 76 | 244061 | 21.539 | ug/L | 99 |
| 15) Methyl Acetate | 4.665 | 43 | 45713 | 24.067 | ug/L | 97 |
| 16) Methylene chloride | 4.909 | 84 | 117015 | 22.529 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.415 | 96 | 103303 | 25.262 | ug/L | 94 |
| 18) Methyl tert-butyl Ether | 5.421 | 73 | 175333 | 30.069 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.208 | 63 | 190798 | 26.488 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.159 | 96 | 117574 | 26.181 | ug/L # | 100 |
| 22) 2-Butanone | 7.171 | 43 | 64577 | 45.444 | ug/L | 97 |
| 23) Bromochloromethane | 7.506 | 128 | 54793 | 24.499 | ug/L | 94 |
| 25) Chloroform | 7.671 | 83 | 217655 | 27.421 | ug/L | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081622\
Data File : VW024248.D
Acq On : 16 Aug 2022 11:29
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 17 00:21:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Aug 16 01:17:17 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.396 | 62 | 142495 | 26.679 | ug/L | 97 |
| 29) Cyclohexane | 7.945 | 56 | 156111 | 27.822 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.866 | 97 | 175540 | 28.441 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.061 | 117 | 161639 | 27.760 | ug/L | 99 |
| 33) Benzene | 8.317 | 78 | 439871 | 27.212 | ug/L | 100 |
| 34) Trichloroethene | 9.085 | 95 | 113405 | 26.543 | ug/L | 98 |
| 35) Methylcyclohexane | 9.329 | 83 | 185390 | 27.671 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 109619 | 27.434 | ug/L | 99 |
| 38) Bromodichloromethane | 9.640 | 83 | 155552 | 27.756 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 10.067 | 75 | 170927 | 29.076 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 139322 | 52.537 | ug/L | 99 |
| 42) Toluene | 10.384 | 91 | 479635 | 27.923 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 154481 | 28.760 | ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 10.780 | 97 | 91653 | 27.214 | ug/L | 99 |
| 46) Tetrachloroethene | 10.859 | 164 | 97988 | 28.329 | ug/L | 95 |
| 48) 2-Hexanone | 10.963 | 43 | 98029 | 54.469 | ug/L | 99 |
| 49) Dibromochloromethane | 11.127 | 129 | 114999 | 28.363 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 11.231 | 107 | 87883 | 27.236 | ug/L | 93 |
| 51) Chlorobenzene | 11.652 | 112 | 325066 | 27.698 | ug/L | 94 |
| 52) Ethylbenzene | 11.725 | 91 | 542506 | 28.827 | ug/L | 99 |
| 53) m,p-Xylene | 11.835 | 106 | 212501 | 29.008 | ug/L | 98 |
| 54) o-Xylene | 12.164 | 106 | 199156 | 28.777 | ug/L | 99 |
| 55) Styrene | 12.176 | 104 | 347475 | 28.868 | ug/L | 93 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 108120 | 25.688 | ug/L | 94 |
| 59) Bromoform | 12.347 | 173 | 60000 | 25.269 | ug/L | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 536902 | 28.491 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.761 | 75 | 76731 | 24.768 | ug/L | 97 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 475813 | 30.554 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 464451 | 30.284 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 13.493 | 146 | 257152 | 27.867 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 13.572 | 146 | 260101 | 26.619 | ug/L | 93 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 238568 | 27.225 | ug/L | 94 |
| 68) 1,2-Dibromo-3-chloropr... | 14.480 | 75 | 17829 | 24.633 | ug/L | 85 |
| 69) 1,3,5-Trichlorobenzene | 14.621 | 180 | 183937 | 30.398 | ug/L | 96 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 149515 | 30.855 | ug/L | 99 |
| 71) Naphthalene | 15.358 | 128 | 294405 | 31.192 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.547 | 180 | 125658 | 28.483 | ug/L | 95 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081622\
Data File : VW024248.D
Acq On : 16 Aug 2022 11:29
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 17 00:21:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Aug 16 01:17:17 2022
Response via : Initial Calibration