Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030922\
Data File : VW022262.D
Acq On : 09 Mar 2022 18:45
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025578

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022

Quant Time: Mar 10 04:16:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Mar 10 04:11:04 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 138407 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 132429 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 78220 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.349 | 65 | 43938 | 24.339 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 97.360% | | | |
| 7) Chloroethane-d5 | 2.879 | 69 | 31586 | 22.238 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 88.960% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.019 | 63 | 60572 | 21.910 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 87.640% | | | |
| 21) 2-Butanone-d5 | 7.074 | 46 | 17328 | 57.089 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 114.180% | | | |
| 24) Chloroform-d | 7.647 | 84 | 77008 | 24.937 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 99.760% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 38394 | 23.919 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 95.680% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 141410 | 22.944 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 91.760% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 41365 | 24.168 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 96.680% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 140455 | 22.923 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 91.680% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 18624 | 24.541 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 98.160% | | | |
| 47) 2-Hexanone-d5 | 10.921 | 63 | 14815 | 52.627 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 105.260% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84 | 41086 | 27.352 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 109.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.847 | 152 | 59227 | 23.574 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 94.280% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.001 | 85 | 7758 | 20.056 | ug/L | 97 |
| 3) Chloromethane | 2.209 | 50 | 32815 | 24.757 | ug/L | 100 |
| 5) Vinyl chloride | 2.355 | 62 | 48486 | 24.346 | ug/L | 95 |
| 6) Bromomethane | 2.776 | 94 | 29267 | 21.041 | ug/L | 95 |
| 8) Chloroethane | 2.916 | 64 | 26603 | 23.778 | ug/L | 95 |
| 9) Trichlorofluoromethane | 3.257 | 101 | 30921 | 22.868 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062 | 101 | 40708 | 24.676 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 4.032 | 96 | 33553 | 23.468 | ug/L | 88 |
| 13) Acetone | 4.123 | 43 | 13230 | 53.367 | ug/L | 94 |
| 14) Carbon disulfide | 4.379 | 76 | 64969 | 17.527 | ug/L | 97 |
| 15) Methyl Acetate | 4.666 | 43 | 14552 | 26.074 | ug/L | 97 |
| 16) Methylene chloride | 4.909 | 84 | 40071 | 23.587 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 5.422 | 96 | 36160 | 23.026 | ug/L | 94 |
| 18) Methyl tert-butyl Ether | 5.428 | 73 | 59902 | 28.037 | ug/L # | 77 |
| 19) 1,1-Dichloroethane | 6.214 | 63 | 67290 | 26.468 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 43518 | 25.582 | ug/L | 97 |
| 22) 2-Butanone | 7.171 | 43 | 20323 | 57.069 | ug/L | 98 |
| 23) Bromochloromethane | 7.519 | 128 | 21664 | 26.070 | ug/L | 95 |
| 25) Chloroform | 7.677 | 83 | 79490 | 26.797 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030922\
Data File : VW022262.D
Acq On : 09 Mar 2022 18:45
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025578

Quant Time: Mar 10 04:16:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Mar 10 04:11:04 2022
Response via : Initial Calibration

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.397 | 62 | 48940 | 26.786 | ug/L | | 98 |
| 29) Cyclohexane | 7.958 | 56 | 49738 | 22.568 | ug/L | | 98 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 66747 | 25.052 | ug/L | | 99 |
| 31) Carbon tetrachloride | 8.067 | 117 | 62381 | 24.635 | ug/L | | 99 |
| 33) Benzene | 8.323 | 78 | 155135 | 24.230 | ug/L | | 100 |
| 34) Trichloroethene | 9.092 | 95 | 44216 | 24.119 | ug/L | | 94 |
| 35) Methylcyclohexane | 9.335 | 83 | 65203 | 22.995 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 38909 | 26.049 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.646 | 83 | 57430 | 26.811 | ug/L | | 94 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 59831 | 26.352 | ug/L | | 94 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 46389 | 57.509 | ug/L | | 99 |
| 42) Toluene | 10.384 | 91 | 181722 | 25.077 | ug/L | | 96 |
| 44) trans-1,3-Dichloropropene | 10.604 | 75 | 55179 | 27.044 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 35093 | 26.495 | ug/L | | 97 |
| 46) Tetrachloroethene | 10.866 | 164 | 38185 | 23.778 | ug/L | | 94 |
| 48) 2-Hexanone | 10.969 | 43 | 32714 | 58.433 | ug/L | | 96 |
| 49) Dibromochloromethane | 11.128 | 129 | 44303 | 27.537 | ug/L | | 99 |
| 50) 1,2-Dibromoethane | 11.231 | 107 | 34233 | 26.796 | ug/L | | 97 |
| 51) Chlorobenzene | 11.652 | 112 | 131904 | 26.155 | ug/L | | 99 |
| 52) Ethylbenzene | 11.731 | 91 | 209817 | 26.162 | ug/L | | 95 |
| 53) m,p-Xylene | 11.835 | 106 | 85846 | 26.014 | ug/L | | 93 |
| 54) o-Xylene | 12.164 | 106 | 82082 | 26.435 | ug/L | | 95 |
| 55) Styrene | 12.176 | 104 | 144113 | 27.685 | ug/L | | 93 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 43202 | 28.112 | ug/L | | 97 |
| 59) Bromoform | 12.347 | 173 | 25919 | 25.057 | ug/L | # | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 236203 | 25.155 | ug/L | | 98 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 30962 | 25.080 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 164893 | 26.409 | ug/L | | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 198837 | 26.058 | ug/L | | 96 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 115562 | 24.810 | ug/L | | 92 |
| 65) 1,4-Dichlorobenzene | 13.573 | 146 | 115180 | 24.676 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 106392 | 25.691 | ug/L | | 93 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 6938 | 26.584 | ug/L | | 86 |
| 69) 1,3,5-Trichlorobenzene | 14.621 | 180 | 81788m | 24.464 | ug/L | | |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 72502 | 28.661 | ug/L | | 94 |
| 71) Naphthalene | 15.359 | 128 | 133393 | 29.871 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.548 | 180 | 60200 | 27.514 | ug/L | | 100 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030922\
Data File : VW022262.D
Acq On : 09 Mar 2022 18:45
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 10 04:16:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Mar 10 04:11:04 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025578

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 03/10/2022
Supervised By :Mahesh Dadoda 03/14/2022