Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052623\
Data File : VW026075.D
Acq On : 26 May 2023 17:56
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025501

Quant Time: May 26 23:20:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 26 23:14:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 681193 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 617077 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 296529 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 159838 | 16.558 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 66.240% | | | |
| 7) Chloroethane-d5 | 2.893 | 69 | 151737 | 21.203 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 84.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 84087 | 17.396 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 69.600% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 183213 | 57.413 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 114.820% | | | |
| 24) Chloroform-d | 7.648 | 84 | 466764 | 23.763 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 95.040% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 260665 | 23.468 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 93.880% | | | |
| 32) Benzene-d6 | 8.270 | 84 | 844484 | 20.944 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 83.760% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 290891 | 22.548 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 90.200% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 735943 | 20.468 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 81.880% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 108404 | 20.730 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 82.920% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 128059 | 58.212 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 116.420% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 257693 | 26.207 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 104.840% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 251109 | 23.230 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 92.920% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 128105 | 16.833 | ug/L | 93 |
| 3) Chloromethane | 2.223 | 50 | 235579 | 20.994 | ug/L | 99 |
| 5) Vinyl chloride | 2.375 | 62 | 249476 | 21.480 | ug/L | 100 |
| 6) Bromomethane | 2.783 | 94 | 145826 | 23.084 | ug/L | 94 |
| 8) Chloroethane | 2.930 | 64 | 159619 | 24.169 | ug/L | 100 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 164305 | 18.745 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.064 | 101 | 204350 | 21.437 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 197113 | 21.636 | ug/L | 92 |
| 13) Acetone | 4.112 | 43 | 101855 | 35.996 | ug/L | 99 |
| 14) Carbon disulfide | 4.387 | 76 | 562565 | 18.260 | ug/L | 99 |
| 15) Methyl Acetate | 4.661 | 43 | 131256 | 23.539 | ug/L | 100 |
| 16) Methylene chloride | 4.917 | 84 | 245383 | 17.467 | ug/L | 91 |
| 17) trans-1,2-Dichloroethene | 5.423 | 96 | 221261 | 22.263 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 411495 | 27.280 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 491723 | 24.081 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 257529 | 24.153 | ug/L | 95 |
| 22) 2-Butanone | 7.167 | 43 | 168490 | 43.124 | ug/L | 99 |
| 23) Bromochloromethane | 7.514 | 128 | 104681 | 23.174 | ug/L | 98 |
| 25) Chloroform | 7.673 | 83 | 463437 | 24.694 | ug/L | 100 |

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

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025501

Quant Time: May 26 23:20:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 26 23:14:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 327906 | 24.602 | ug/L | 99 |
| 29) Cyclohexane | 7.959 | 56 | 402301 | 21.038 | ug/L | 100 |
| 30) 1,1,1-Trichloroethane | 7.868 | 97 | 358141 | 23.732 | ug/L | 99 |
| 31) Carbon tetrachloride | 8.069 | 117 | 315739 | 23.248 | ug/L | 99 |
| 33) Benzene | 8.325 | 78 | 999126 | 23.403 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 248010 | 22.639 | ug/L | 99 |
| 35) Methylcyclohexane | 9.337 | 83 | 409906 | 21.037 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 278662 | 23.824 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 331728 | 24.720 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 396255 | 23.101 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 384253 | 50.470 | ug/L | 100 |
| 42) Toluene | 10.386 | 91 | 1024494 | 23.485 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 335014 | 23.571 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 188829 | 24.134 | ug/L | 98 |
| 46) Tetrachloroethene | 10.861 | 164 | 168445 | 21.856 | ug/L | 91 |
| 48) 2-Hexanone | 10.965 | 43 | 263196 | 48.256 | ug/L | 98 |
| 49) Dibromochloromethane | 11.123 | 129 | 195937 | 24.189 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 174222 | 24.154 | ug/L | 93 |
| 51) Chlorobenzene | 11.654 | 112 | 644873 | 23.863 | ug/L | 95 |
| 52) Ethylbenzene | 11.727 | 91 | 1161541 | 23.671 | ug/L | 100 |
| 53) m,p-Xylene | 11.837 | 106 | 429320 | 23.772 | ug/L | 96 |
| 54) o-Xylene | 12.160 | 106 | 412293 | 24.220 | ug/L | 98 |
| 55) Styrene | 12.178 | 104 | 718694 | 24.667 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83 | 236207 | 24.194 | ug/L | 99 |
| 59) Bromoform | 12.349 | 173 | 107379 | 24.447 | ug/L | 97 |
| 60) Isopropylbenzene | 12.458 | 105 | 1133578 | 25.149 | ug/L | 98 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 175374 | 25.025 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 912719 | 25.566 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 843507 | 25.604 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 457374 | 23.572 | ug/L | 95 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 475636 | 24.263 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 419419 | 24.238 | ug/L | 96 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 39361 | 24.221 | ug/L | 88 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 289651 | 22.489 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 256209 | 23.744 | ug/L | 100 |
| 71) Naphthalene | 15.360 | 128 | 495432 | 24.326 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 215408 | 22.499 | ug/L | 94 |

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

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