Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062023\
Data File : VW026261.D
Acq On : 20 Jun 2023 11:44
Operator : SY/MD
Sample : 03307-09MSD
Misc : 4.80g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
YBW10MSD

Quant Time: Jun 21 01:11:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jun 21 01:09:17 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 808601 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 707409 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 355915 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 201569 | 17.720 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 70.880% | | | |
| 7) Chloroethane-d5 | 2.893 | 69 | 186200 | 21.866 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 87.480% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 106450 | 18.978 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 75.920% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 190129 | 57.410 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 114.820% | | | |
| 24) Chloroform-d | 7.648 | 84 | 512803 | 21.657 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 86.640% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 280131 | 21.635 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 86.560% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 966464 | 20.304 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 81.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.276 | 67 | 331306 | 21.969 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 87.880% | | | |
| 41) Toluene-d8 | 10.325 | 98 | 825554 | 19.556 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 78.240% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 117946 | 19.737 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 78.960% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 128264 | 53.941 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 107.880% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 278573 | 25.385 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 101.560% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.849 | 152 | 261820 | 19.219 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 76.880% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.021 | 85 | 196485 | 19.822 | ug/L | 90 |
| 3) Chloromethane | 2.223 | 50 | 284217 | 22.362 | ug/L | 97 |
| 5) Vinyl chloride | 2.375 | 62 | 317405 | 23.363 | ug/L | 98 |
| 6) Bromomethane | 2.783 | 94 | 165800 | 22.386 | ug/L | 99 |
| 8) Chloroethane | 2.930 | 64 | 187535 | 25.544 | ug/L | 99 |
| 9) Trichlorofluoromethane | 3.265 | 101 | 232265 | 26.574 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070 | 101 | 242627 | 21.999 | ug/L # | 76 |
| 12) 1,1-Dichloroethene | 4.039 | 96 | 456242 | 44.316 | ug/L # | 72 |
| 13) Acetone | 4.119 | 43 | 174460 | 68.081 | ug/L | 98 |
| 14) Carbon disulfide | 4.387 | 76 | 692899 | 19.065 | ug/L | 99 |
| 15) Methyl Acetate | 4.667 | 43 | 138803 | 24.134 | ug/L | 100 |
| 16) Methylene chloride | 4.917 | 84 | 263420 | 20.411 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 245098 | 21.219 | ug/L | 96 |
| 18) Methyl tert-butyl Ether | 5.423 | 73 | 423264 | 23.250 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 546155 | 23.225 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 289914 | 23.695 | ug/L | 98 |
| 22) 2-Butanone | 7.167 | 43 | 213105 | 58.298 | ug/L | 99 |
| 23) Bromochloromethane | 7.514 | 128 | 115680 | 22.169 | ug/L | 89 |
| 25) Chloroform | 7.679 | 83 | 502773 | 22.955 | ug/L | 98 |

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**Instrument :**
MSVOA_W
**ClientSampleId :**
YBW10MSD

Quant Time: Jun 21 01:11:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jun 21 01:09:17 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 371093 | 24.566 | ug/L | 97 |
| 29) Cyclohexane | 7.959 | 56 | 477448 | 21.861 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 442187 | 25.758 | ug/L | 100 |
| 31) Carbon tetrachloride | 8.069 | 117 | 347248 | 22.166 | ug/L | 100 |
| 33) Benzene | 8.325 | 78 | 1105400 | 22.811 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 269736 | 21.738 | ug/L | 96 |
| 35) Methylcyclohexane | 9.337 | 83 | 471542 | 21.476 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 9.368 | 63 | 308972 | 23.540 | ug/L | 99 |
| 38) Bromodichloromethane | 9.642 | 83 | 348685 | 22.866 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.075 | 75 | 445199 | 23.081 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 402487 | 52.012 | ug/L | 100 |
| 42) Toluene | 10.386 | 91 | 1121599 | 22.629 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 367219 | 22.852 | ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 203683 | 23.546 | ug/L | 98 |
| 46) Tetrachloroethene | 10.861 | 164 | 189003 | 21.534 | ug/L | 91 |
| 48) 2-Hexanone | 10.965 | 43 | 295215 | 54.105 | ug/L | 98 |
| 49) Dibromochloromethane | 11.130 | 129 | 213413 | 23.530 | ug/L | 92 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 180560 | 22.543 | ug/L | 97 |
| 51) Chlorobenzene | 11.660 | 112 | 675406 | 21.745 | ug/L | 96 |
| 52) Ethylbenzene | 11.727 | 91 | 1262306 | 22.576 | ug/L | 99 |
| 53) m,p-Xylene | 11.837 | 106 | 465317 | 22.371 | ug/L | 97 |
| 54) o-Xylene | 12.166 | 106 | 440512 | 22.438 | ug/L | 98 |
| 55) Styrene | 12.178 | 104 | 761725 | 22.616 | ug/L | 96 |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83 | 250805 | 23.957 | ug/L | 97 |
| 59) Bromoform | 12.349 | 173 | 114305 | 21.382 | ug/L | 100 |
| 60) Isopropylbenzene | 12.465 | 105 | 1244525 | 22.259 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 185311 | 23.244 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 978822 | 22.022 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 905153 | 22.235 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 482037 | 20.505 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 492360 | 20.803 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 447202 | 21.184 | ug/L | 95 |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75 | 40197 | 21.762 | ug/L | 93 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 314942 | 19.503 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 245497 | 18.423 | ug/L | 95 |
| 71) Naphthalene | 15.360 | 128 | 504093 | 21.226 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 216704 | 18.608 | ug/L | 99 |

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

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