Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040924\
Data File : VW028372.D
Acq On : 09 Apr 2024 18:39
Operator : SY/MD
Sample : P2037-04MSD
Misc : 3.47g/10mL/MSVOA_W/SOIL/B
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
E1CY1MSD

Quant Time: Apr 10 01:20:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Apr 10 01:16:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 451192 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 397511 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 180993 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 170692 | 23.598 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 94.400% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 134010 | 24.444 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 97.760% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 70289 | 22.947 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 91.800% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 57773 | 42.683 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 85.360% | | | |
| 24) Chloroform-d | 7.648 | 84 | 289467 | 24.586 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 98.360% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.301 | 65 | 143037 | 23.378 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 93.520% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 565825 | 26.056 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 104.240% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 164799 | 25.531 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 102.120% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 507393 | 25.695 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 102.800% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 62045 | 24.174 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 96.680% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 39062 | 43.687 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 87.380% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 104704 | 22.991 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 91.960% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 149241 | 26.073 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 104.280% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 122440 | 20.177 | ug/L | 94 |
| 3) Chloromethane | 2.222 | 50 | 161866 | 22.719 | ug/L | 99 |
| 5) Vinyl chloride | 2.375 | 62 | 181605 | 21.403 | ug/L | 98 |
| 6) Bromomethane | 2.796 | 94 | 109309 | 20.619 | ug/L | 99 |
| 8) Chloroethane | 2.936 | 64 | 109179 | 21.345 | ug/L | 100 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 153509 | 22.679 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 133689 | 20.994 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 124366 | 20.799 | ug/L | 100 |
| 13) Acetone | 4.118 | 43 | 70984 | 42.711 | ug/L | 96 |
| 14) Carbon disulfide | 4.393 | 76 | 397626 | 20.199 | ug/L | 100 |
| 15) Methyl Acetate | 4.673 | 43 | 42206 | 15.783 | ug/L | 100 |
| 16) Methylene chloride | 4.917 | 84 | 137137 | 20.087 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 128182 | 20.351 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 175810 | 19.843 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.222 | 63 | 262570 | 21.396 | ug/L | 100 |
| 20) cis-1,2-Dichloroethene | 7.173 | 96 | 142550 | 21.324 | ug/L | 96 |
| 22) 2-Butanone | 7.167 | 43 | 76221 | 37.791 | ug/L | 99 |
| 23) Bromochloromethane | 7.508 | 128 | 56884 | 19.756 | ug/L | 94 |
| 25) Chloroform | 7.679 | 83 | 257898 | 21.394 | ug/L | 95 |

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MSVOA_W
**ClientSampleId :**
E1CY1MSD

Quant Time: Apr 10 01:20:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Apr 10 01:16:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 161886 | 19.457 | ug/L | 100 |
| 29) Cyclohexane | 7.959 | 56 | 244080 | 23.246 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 218649 | 22.680 | ug/L | 100 |
| 31) Carbon tetrachloride | 8.069 | 117 | 193628 | 22.649 | ug/L | 99 |
| 33) Benzene | 8.325 | 78 | 550945 | 22.168 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 147819 | 21.947 | ug/L | 97 |
| 35) Methylcyclohexane | 9.337 | 83 | 248054 | 21.582 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 141453 | 21.837 | ug/L | 99 |
| 38) Bromodichloromethane | 9.642 | 83 | 173617 | 21.623 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 207346 | 21.828 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 132071 | 40.728 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 588819 | 22.363 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 158460 | 20.620 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 88572 | 20.210 | ug/L | 96 |
| 46) Tetrachloroethene | 10.855 | 164 | 105379 | 20.946 | ug/L | 89 |
| 48) 2-Hexanone | 10.965 | 43 | 105830 | 41.115 | ug/L | 95 |
| 49) Dibromochloromethane | 11.123 | 129 | 96037 | 20.503 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 77908 | 19.477 | ug/L | 90 |
| 51) Chlorobenzene | 11.654 | 112 | 350549 | 21.419 | ug/L | 97 |
| 52) Ethylbenzene | 11.727 | 91 | 667156 | 22.353 | ug/L | 99 |
| 53) m,p-Xylene | 11.837 | 106 | 243880 | 21.972 | ug/L | 98 |
| 54) o-Xylene | 12.160 | 106 | 232140 | 22.462 | ug/L | 94 |
| 55) Styrene | 12.178 | 104 | 385420 | 21.912 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 96209 | 19.398 | ug/L | 99 |
| 59) Bromoform | 12.349 | 173 | 52278 | 21.882 | ug/L | 97 |
| 60) Isopropylbenzene | 12.458 | 105 | 656083 | 24.179 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 68028 | 20.558 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 422145 | 24.409 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 504870 | 24.257 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 247395 | 21.488 | ug/L | 94 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 248003 | 21.176 | ug/L | 90 |
| 67) 1,2-Dichlorobenzene | 13.861 | 146 | 220549 | 21.778 | ug/L | 93 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 14531 | 19.163 | ug/L | 93 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 154878 | 19.549 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 117610 | 19.010 | ug/L | 94 |
| 71) Naphthalene | 15.360 | 128 | 222081 | 20.282 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.543 | 180 | 99918 | 18.200 | ug/L | 98 |

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

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