Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100323\
Data File : VW027205.D
Acq On : 03 Oct 2023 16:43
Operator : SY/MD
Sample : 04707-02MS
Misc : 2.44g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
EY1A2MS

Quant Time: Oct 04 01:40:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 04 01:37:43 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 597169 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 587256 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 341232 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.363 | 65 | 257251 | 27.418 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 109.680% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 212183 | 28.614 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 114.440% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 110486 | 28.343 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 113.360%# | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 134134 | 69.155 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 138.300%# | | | |
| 24) Chloroform-d | 7.654 | 84 | 535662 | 30.649 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 122.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 266805 | 31.854 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 127.400% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 1061730 | 29.500 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 118.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.276 | 67 | 337758 | 31.346 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 125.400%# | | | |
| 41) Toluene-d8 | 10.325 | 98 | 962840 | 30.317 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 121.280% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 139433 | 32.975 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 131.880% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 115240 | 69.915 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 139.840%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 277675 | 33.673 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 134.680%# | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 323403 | 28.267 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 113.080% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.021 | 85 | 188662 | 24.314 | ug/L | 91 |
| 3) Chloromethane | 2.222 | 50 | 235814 | 22.514 | ug/L | 97 |
| 5) Vinyl chloride | 2.369 | 62 | 269022 | 23.525 | ug/L | 95 |
| 6) Bromomethane | 2.789 | 94 | 179497 | 23.825 | ug/L | 100 |
| 8) Chloroethane | 2.930 | 64 | 167941 | 24.198 | ug/L | 99 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 245377 | 25.530 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082 | 101 | 228301 | 23.609 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 4.039 | 96 | 225600 | 24.420 | ug/L | 83 |
| 13) Acetone | 4.118 | 43 | 151628 | 63.263 | ug/L | 99 |
| 14) Carbon disulfide | 4.381 | 76 | 725785 | 23.406 | ug/L | 99 |
| 15) Methyl Acetate | 4.673 | 43 | 108018 | 26.889 | ug/L | 98 |
| 16) Methylene chloride | 4.917 | 84 | 347190 | 29.700 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 244931 | 24.640 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 364932 | 29.337 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 464195 | 25.041 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.173 | 96 | 272444 | 25.712 | ug/L | 93 |
| 22) 2-Butanone | 7.167 | 43 | 177299 | 59.812 | ug/L | 99 |
| 23) Bromochloromethane | 7.520 | 128 | 122850 | 25.409 | ug/L | 96 |
| 25) Chloroform | 7.679 | 83 | 469358 | 25.959 | ug/L | 92 |

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**ClientSampleId :**
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 04 01:37:43 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 296932 | 26.809 | ug/L | | 99 |
| 29) Cyclohexane | 7.959 | 56 | 380575 | 24.359 | ug/L | | 98 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 378566 | 25.932 | ug/L | | 100 |
| 31) Carbon tetrachloride | 8.069 | 117 | 340360 | 24.684 | ug/L | | 100 |
| 33) Benzene | 8.325 | 78 | 1041628 | 25.095 | ug/L | | 100 |
| 34) Trichloroethene | 9.093 | 95 | 262266 | 24.196 | ug/L | | 96 |
| 35) Methylcyclohexane | 9.337 | 83 | 430948 | 23.639 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 278027 | 25.996 | ug/L | | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 342248 | 26.644 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 10.075 | 75 | 433291 | 27.496 | ug/L | | 100 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 298095 | 57.453 | ug/L | | 99 |
| 42) Toluene | 10.386 | 91 | 1120384 | 26.284 | ug/L | | 96 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 361698 | 28.006 | ug/L | | 100 |
| 45) 1,1,2-Trichloroethane | 10.782 | 97 | 210304 | 27.172 | ug/L | | 97 |
| 46) Tetrachloroethene | 10.861 | 164 | 214474 | 25.172 | ug/L | | 87 |
| 48) 2-Hexanone | 10.965 | 43 | 231501 | 56.913 | ug/L | | 99 |
| 49) Dibromochloromethane | 11.129 | 129 | 228590 | 27.233 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 195818 | 27.265 | ug/L | | 94 |
| 51) Chlorobenzene | 11.654 | 112 | 705131 | 24.928 | ug/L | | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 1215180 | 25.376 | ug/L | | 99 |
| 53) m,p-Xylene | 11.836 | 106 | 474044 | 25.817 | ug/L | | 94 |
| 54) o-Xylene | 12.166 | 106 | 459028 | 26.761 | ug/L | | 97 |
| 55) Styrene | 12.178 | 104 | 809719 | 27.424 | ug/L | | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 254739 | 27.440 | ug/L | | 97 |
| 59) Bromoform | 12.349 | 173 | 136920 | 25.410 | ug/L | | 98 |
| 60) Isopropylbenzene | 12.458 | 105 | 1206457 | 24.010 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 178189 | 25.506 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 1003763 | 25.479 | ug/L | | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 974752 | 25.248 | ug/L | | 97 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 533598 | 23.009 | ug/L | | 92 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 564884 | 24.244 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 497431 | 24.471 | ug/L | | 95 |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75 | 37816 | 25.270 | ug/L | # | 74 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 339643 | 22.744 | ug/L | | 92 |
| 70) 1,2,4-trichlorobenzene | 15.129 | 180 | 283822 | 24.090 | ug/L | | 97 |
| 71) Naphthalene | 15.366 | 128 | 494262 | 23.777 | ug/L | | 98 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 252814 | 24.174 | ug/L | | 100 |

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

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