Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072122\
Data File : VW023988.D
Acq On : 21 Jul 2022 19:18
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 22 01:33:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 22 01:28:21 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 272966 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.634 | 117 | 263286 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 158256 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.343 | 65 | 133420 | 19.137 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 76.560% | | | |
| 7) Chloroethane-d5 | 2.873 | 69 | 91120 | 19.591 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 78.360% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.007 | 63 | 122564 | 21.589 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 86.360% | | | |
| 21) 2-Butanone-d5 | 7.080 | 46 | 64542 | 59.684 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 119.360% | | | |
| 24) Chloroform-d | 7.647 | 84 | 199958 | 25.160 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 100.640% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 110497 | 22.733 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 90.920% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 358741 | 26.211 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 104.840% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 110169 | 26.723 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 106.880% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 338972 | 24.417 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 97.680% | | | |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79 | 48681 | 25.192 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 100.760% | | | |
| 47) 2-Hexanone-d5 | 10.920 | 63 | 56855 | 65.584 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 131.160% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 130823 | 28.714 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 114.840% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.847 | 152 | 138451 | 24.507 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 98.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.001 | 85 | 71334 | 38.456 | ug/L | 97 |
| 3) Chloromethane | 2.209 | 50 | 113029 | 24.882 | ug/L | 99 |
| 5) Vinyl chloride | 2.349 | 62 | 162951 | 20.890 | ug/L | 100 |
| 6) Bromomethane | 2.763 | 94 | 78923 | 15.642 | ug/L | 96 |
| 8) Chloroethane | 2.910 | 64 | 76493 | 20.961 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.245 | 101 | 66589 | 18.780 | ug/L | 97 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.044 | 101 | 83891 | 24.175 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 4.031 | 96 | 66362 | 22.935 | ug/L | 89 |
| 13) Acetone | 4.129 | 43 | 34012 | 44.486 | ug/L | 98 |
| 14) Carbon disulfide | 4.373 | 76 | 166376 | 19.547 | ug/L | 98 |
| 15) Methyl Acetate | 4.672 | 43 | 43039 | 25.152 | ug/L | 99 |
| 16) Methylene chloride | 4.915 | 84 | 112605 | 26.381 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 5.415 | 96 | 89107 | 25.381 | ug/L | 97 |
| 18) Methyl tert-butyl Ether | 5.434 | 73 | 148721 | 27.382 | ug/L # | 89 |
| 19) 1,1-Dichloroethane | 6.214 | 63 | 169694 | 26.204 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.165 | 96 | 104405 | 26.844 | ug/L # | 89 |
| 22) 2-Butanone | 7.171 | 43 | 67610 | 53.810 | ug/L | 98 |
| 23) Bromochloromethane | 7.513 | 128 | 51489 | 27.558 | ug/L | 96 |
| 25) Chloroform | 7.671 | 83 | 198323 | 26.583 | ug/L | 93 |

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**ClientSampleId :**
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Quant Time: Jul 22 01:33:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 22 01:28:21 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.397 | 62 | 132661 | 24.160 | ug/L | | 99 |
| 29) Cyclohexane | 7.951 | 56 | 128594 | 26.705 | ug/L | | 98 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 157889 | 27.696 | ug/L | | 99 |
| 31) Carbon tetrachloride | 8.067 | 117 | 144621 | 28.142 | ug/L | | 99 |
| 33) Benzene | 8.323 | 78 | 411295 | 27.490 | ug/L | | 100 |
| 34) Trichloroethene | 9.092 | 95 | 104047 | 26.335 | ug/L | | 97 |
| 35) Methylcyclohexane | 9.335 | 83 | 161967 | 26.922 | ug/L | | 96 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 104342 | 27.817 | ug/L | | 100 |
| 38) Bromodichloromethane | 9.646 | 83 | 147986 | 28.268 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 159001 | 28.124 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 160176 | 61.365 | ug/L | | 95 |
| 42) Toluene | 10.384 | 91 | 458679 | 26.881 | ug/L | | 96 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 150673 | 28.039 | ug/L | | 98 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 93515 | 28.512 | ug/L | | 100 |
| 46) Tetrachloroethene | 10.866 | 164 | 81239 | 26.592 | ug/L | | 95 |
| 48) 2-Hexanone | 10.969 | 43 | 119618 | 62.943 | ug/L | | 97 |
| 49) Dibromochloromethane | 11.128 | 129 | 109475 | 28.782 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 11.231 | 107 | 90237 | 28.637 | ug/L | | 94 |
| 51) Chlorobenzene | 11.658 | 112 | 311678 | 27.084 | ug/L | | 94 |
| 52) Ethylbenzene | 11.725 | 91 | 532604 | 27.468 | ug/L | | 99 |
| 53) m,p-Xylene | 11.835 | 106 | 205331 | 27.141 | ug/L | | 96 |
| 54) o-Xylene | 12.164 | 106 | 200990 | 27.664 | ug/L | | 95 |
| 55) Styrene | 12.176 | 104 | 363366 | 28.310 | ug/L | | 92 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 130025 | 29.064 | ug/L | | 98 |
| 59) Bromoform | 12.347 | 173 | 65236 | 27.956 | ug/L | # | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 551603 | 25.947 | ug/L | | 98 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 91007 | 26.226 | ug/L | | 96 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 467316 | 26.850 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 472334 | 27.144 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 262680 | 27.215 | ug/L | | 93 |
| 65) 1,4-Dichlorobenzene | 13.579 | 146 | 265161 | 25.822 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 253417 | 27.839 | ug/L | | 96 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 21205 | 26.494 | ug/L | # | 75 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 179220 | 28.053 | ug/L | | 96 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 142514 | 28.889 | ug/L | | 98 |
| 71) Naphthalene | 15.359 | 128 | 332228 | 31.395 | ug/L | | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.548 | 180 | 134351 | 29.219 | ug/L | | 97 |

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

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