Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019878.D
Acq On : 24 Aug 2021 16:29
Operator : SY/VA
Sample : M3526-03MSD
Misc : 5.67g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** EW7A9MSD

Quant Time: Aug 25 01:01:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Aug 25 00:57:31 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.841 | 114 | 331590 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.634 | 117 | 296603 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 130570 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.361 | 65 | 120121 | 23.381 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 93.520% | | | |
| 7) Chloroethane-d5 | 2.897 | 69 | 109060 | 24.185 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 96.720% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.031 | 63 | 199703 | 22.401 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 89.600% | | | |
| 21) 2-Butanone-d5 | 7.086 | 46 | 48259 | 46.244 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 92.480% | | | |
| 24) Chloroform-d | 7.653 | 84 | 218088 | 23.915 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 95.680% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.311 | 65 | 114070 | 23.212 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 92.840% | | | |
| 32) Benzene-d6 | 8.281 | 84 | 428420 | 25.333 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 101.320% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 132352 | 25.843 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 103.360% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 380689 | 24.564 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 98.240% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 51805 | 24.486 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 97.960% | | | |
| 47) 2-Hexanone-d5 | 10.926 | 63 | 37463 | 52.510 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 105.020% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84 | 100896 | 24.206 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 96.840% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 112371 | 25.089 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 100.360% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.013 | 85 | 75480 | 23.228 | ug/L | 94 |
| 3) Chloromethane | 2.221 | 50 | 95738 | 23.674 | ug/L | 98 |
| 5) Vinyl chloride | 2.373 | 62 | 155801 | 25.978 | ug/L | 99 |
| 6) Bromomethane | 2.788 | 94 | 110220 | 24.766 | ug/L | 97 |
| 8) Chloroethane | 2.934 | 64 | 102260 | 26.010 | ug/L | 97 |
| 9) Trichlorofluoromethane | 3.269 | 101 | 86593 | 22.448 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.080 | 101 | 111675 | 24.390 | ug/L # | 70 |
| 12) 1,1-Dichloroethene | 4.050 | 96 | 109798 | 24.453 | ug/L | 99 |
| 13) Acetone | 4.135 | 43 | 56548 | 63.476 | ug/L | 89 |
| 14) Carbon disulfide | 4.391 | 76 | 318214 | 22.157 | ug/L | 99 |
| 15) Methyl Acetate | 4.678 | 43 | 43400 | 23.404 | ug/L | 99 |
| 16) Methylene chloride | 4.921 | 84 | 136216 | 23.935 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 5.434 | 96 | 115428 | 24.471 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 5.434 | 73 | 139082 | 25.615 | ug/L # | 94 |
| 19) 1,1-Dichloroethane | 6.226 | 63 | 217389 | 26.000 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 121217 | 25.389 | ug/L | 97 |
| 22) 2-Butanone | 7.177 | 43 | 65939 | 57.119 | ug/L | 99 |
| 23) Bromochloromethane | 7.519 | 128 | 54747 | 25.622 | ug/L | 97 |
| 25) Chloroform | 7.677 | 83 | 221966 | 25.660 | ug/L | 99 |

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Misc : 5.67g/10mL/MSVOA_W/SOIL
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**Instrument :** MSVOA_W
**ClientSampleId :** EW7A9MSD

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Aug 25 00:57:31 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.403 | 62 | 143304 | 25.395 | ug/L | | 98 |
| 29) Cyclohexane | 7.964 | 56 | 187022 | 26.850 | ug/L | | 97 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 178174 | 26.879 | ug/L | | 99 |
| 31) Carbon tetrachloride | 8.073 | 117 | 160099 | 25.908 | ug/L | | 99 |
| 33) Benzene | 8.329 | 78 | 488234 | 26.820 | ug/L | | 100 |
| 34) Trichloroethene | 9.098 | 95 | 121599 | 25.695 | ug/L | | 94 |
| 35) Methylcyclohexane | 9.335 | 83 | 236010 | 29.075 | ug/L | | 91 |
| 37) 1,2-Dichloropropane | 9.372 | 63 | 122952 | 27.271 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.646 | 83 | 159672 | 27.339 | ug/L | | 94 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 181804 | 27.384 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 10.213 | 43 | 131487 | 54.847 | ug/L | | 97 |
| 42) Toluene | 10.390 | 91 | 518024 | 26.864 | ug/L | | 95 |
| 44) trans-1,3-Dichloropropene | 10.609 | 75 | 155316 | 26.578 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 126038 | 38.615 | ug/L | | 93 |
| 46) Tetrachloroethene | 10.865 | 164 | 87900 | 24.521 | ug/L | | 88 |
| 48) 2-Hexanone | 10.969 | 43 | 91772 | 54.992 | ug/L | # | 94 |
| 49) Dibromochloromethane | 11.128 | 129 | 96471 | 25.838 | ug/L | | 92 |
| 50) 1,2-Dibromoethane | 11.237 | 107 | 80764 | 26.345 | ug/L | | 95 |
| 51) Chlorobenzene | 11.658 | 112 | 305357 | 24.932 | ug/L | | 99 |
| 52) Ethylbenzene | 11.731 | 91 | 549759 | 26.481 | ug/L | | 95 |
| 53) m,p-Xylene | 11.841 | 106 | 207804 | 26.065 | ug/L | | 100 |
| 54) o-Xylene | 12.164 | 106 | 200337 | 26.565 | ug/L | | 92 |
| 55) Styrene | 12.182 | 104 | 337348 | 26.179 | ug/L | | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 103936 | 25.967 | ug/L | | 98 |
| 59) Bromoform | 12.347 | 173 | 50263 | 28.993 | ug/L | | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 525159 | 29.684 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 74300 | 29.023 | ug/L | | 98 |
| 62) 1,3,5-Trimethylbenzene | 12.944 | 105 | 416931 | 29.526 | ug/L | | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 419561 | 29.313 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 207574 | 26.316 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 13.578 | 146 | 201565 | 24.861 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 13.871 | 146 | 188074 | 26.257 | ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 15842 | 28.387 | ug/L | | 99 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 119686 | 22.022 | ug/L | | 95 |
| 70) 1,2,4-trichlorobenzene | 15.133 | 180 | 94208 | 22.558 | ug/L | # | 95 |
| 71) Naphthalene | 15.365 | 128 | 228271 | 27.406 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 83668 | 21.636 | ug/L | | 97 |

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

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