Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
Data File : VU051827.D
Acq On : 11 Nov 2022 20:14
Operator : JC/MD
Sample : N5593-14MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0AE2MSD

Quant Time: Nov 12 01:25:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 01:22:06 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.247 | 114 | 218256 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.417 | 117 | 215276 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 106170 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 65842 | 4.005 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 80.200% | | | |
| 7) Chloroethane-d5 | 1.909 | 69 | 63352 | 3.695 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 74.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.565 | 65 | 28321 | 4.747 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 95.000% | | | |
| 20) 2-Butanone-d5 | 4.620 | 46 | 224829 | 37.766 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 75.540% | | | |
| 24) Chloroform-d | 5.060 | 84 | 154647 | 4.020 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 80.400% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.700 | 65 | 79114 | 3.807 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 76.200% | | | |
| 32) Benzene-d6 | 5.726 | 84 | 302114 | 4.447 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.690 | 67 | 100896 | 4.247 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 85.000% | | | |
| 41) Toluene-d8 | 7.896 | 98 | 276494 | 5.176 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.600% | | | |
| 43) trans-1,3-Dichloroprop... | 8.179 | 79 | 34888 | 4.803 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 96.000% | | | |
| 46) 2-Hexanone-d5 | 8.629 | 63 | 207012 | 47.344 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 94.680% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84 | 98860 | 4.541 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 90.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 98795 | 5.070 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 101.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 92073 | 3.857 | ug/L | 98 |
| 3) Chloromethane | 1.526 | 50 | 103797 | 3.450 | ug/L | 100 |
| 5) Vinyl chloride | 1.604 | 62 | 111354 | 3.863 | ug/L | 86 |
| 6) Bromomethane | 1.848 | 94 | 47431 | 3.471 | ug/L | 96 |
| 8) Chloroethane | 1.928 | 64 | 71406 | 4.080 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.134 | 101 | 141161 | 4.462 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578 | 101 | 87685 | 4.714 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 2.575 | 96 | 140832 | 7.422 | ug/L | 96 |
| 13) Acetone | 2.623 | 43 | 167530 | 55.464 | ug/L | 98 |
| 14) Carbon disulfide | 2.790 | 76 | 183701 | 3.003 | ug/L | 99 |
| 15) Methyl Acetate | 2.948 | 43 | 38173 | 4.827 | ug/L | 95 |
| 16) Methylene chloride | 3.044 | 84 | 102488 | 3.298 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.362 | 73 | 215279 | 4.948 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.350 | 96 | 82720 | 4.062 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.867 | 63 | 180884 | 4.816 | ug/L | 98 |
| 21) 2-Butanone | 4.697 | 43 | 271734 | 57.446 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.665 | 96 | 128559 | 5.706 | ug/L | 96 |
| 23) Bromochloromethane | 4.973 | 128 | 49254 | 4.675 | ug/L | 96 |
| 25) Chloroform | 5.086 | 83 | 197593 | 5.071 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
Data File : VU051827.D
Acq On : 11 Nov 2022 20:14
Operator : JC/MD
Sample : N5593-14MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0AE2MSD

Quant Time: Nov 12 01:25:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 01:22:06 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.793 | 62 | 114724 | 4.784 | ug/L | | 99 |
| 29) 1,1,1-Trichloroethane | 5.314 | 97 | 140468 | 4.806 | ug/L | | 99 |
| 30) Cyclohexane | 5.388 | 56 | 106585 | 3.960 | ug/L | | 99 |
| 31) Carbon tetrachloride | 5.523 | 117 | 117633 | 4.706 | ug/L | | 98 |
| 33) Benzene | 5.771 | 78 | 389178 | 4.581 | ug/L | | 100 |
| 34) Trichloroethene | 6.539 | 95 | 457889 | 22.334 | ug/L | | 99 |
| 35) Methylcyclohexane | 6.761 | 83 | 117027 | 4.128 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.790 | 63 | 109820 | 5.026 | ug/L | | 99 |
| 38) Bromodichloromethane | 7.105 | 83 | 134233 | 5.029 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.607 | 75 | 133035 | 4.746 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.790 | 43 | 667826 | 60.934 | ug/L | | 100 |
| 42) Toluene | 7.967 | 91 | 411272 | 4.714 | ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 8.208 | 75 | 120829 | 5.158 | ug/L | | 98 |
| 45) 1,1,2-Trichloroethane | 8.398 | 97 | 86848 | 5.424 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.552 | 164 | 852159 | 54.272 | ug/L | | 94 |
| 48) 2-Hexanone | 8.681 | 43 | 497276 | 61.298 | ug/L | | 99 |
| 49) Dibromochloromethane | 8.809 | 129 | 96732 | 5.288 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 8.922 | 107 | 75761 | 5.244 | ug/L | # | 98 |
| 51) Chlorobenzene | 9.446 | 112 | 268438 | 4.889 | ug/L | | 98 |
| 52) Ethylbenzene | 9.568 | 91 | 389152 | 4.623 | ug/L | | 100 |
| 53) m,p-Xylene | 9.693 | 106 | 154318 | 4.719 | ug/L | | 98 |
| 54) o-Xylene | 10.098 | 106 | 155016 | 4.851 | ug/L | | 99 |
| 55) Styrene | 10.111 | 104 | 208394 | 3.901 | ug/L | | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83 | 115767 | 5.831 | ug/L | | 99 |
| 59) Bromoform | 10.288 | 173 | 55277 | 5.635 | ug/L | | 99 |
| 60) Isopropylbenzene | 10.481 | 105 | 380052 | 4.903 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 10.822 | 75 | 78776 | 5.738 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.086 | 105 | 94866 | 4.546 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.468 | 105 | 277251 | 4.608 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 11.742 | 146 | 193406 | 5.012 | ug/L | | 99 |
| 65) 1,4-Dichlorobenzene | 11.835 | 146 | 194699 | 5.033 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 12.211 | 146 | 197001 | 5.241 | ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75 | 16512 | 5.841 | ug/L | | 94 |
| 69) 1,3,5-Trichlorobenzene | 13.217 | 180 | 126280 | 4.591 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 13.838 | 180 | 100237 | 4.747 | ug/L | | 98 |
| 71) Naphthalene | 14.085 | 128 | 201670 | 5.117 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.327 | 180 | 106328 | 4.987 | ug/L | | 99 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111122\
Data File : VU051827.D
Acq On : 11 Nov 2022 20:14
Operator : JC/MD
Sample : N5593-14MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0AE2MSD

Quant Time: Nov 12 01:25:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 12 01:22:06 2022
Response via : Initial Calibration