Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082721\
Data File : VU044532.D
Acq On : 27 Aug 2021 15:43
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005097

**Manual Integrations APPROVED**
MMDadoda
8/30/2021 10:54:22 AM

Quant Time: Aug 28 01:21:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 28 01:19:29 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.256 | 114 | 124449 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.423 | 117 | 126482 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.819 | 152 | 64308 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.601 | 65 | 33703 | 3.349 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 67.000% | | | |
| 7) Chloroethane-d5 | 1.919 | 69 | 33754 | 3.859 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 77.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.572 | 65 | 16357 | 3.820 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 76.400% | | | |
| 20) 2-Butanone-d5 | 4.639 | 46 | 139570m | 50.140 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 100.280% | | | |
| 24) Chloroform-d | 5.073 | 84 | 81773 | 4.595 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.710 | 65 | 43442 | 4.476 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.600% | | | |
| 32) Benzene-d6 | 5.735 | 84 | 155864 | 4.376 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.700 | 67 | 50703 | 4.450 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 89.000% | | | |
| 41) Toluene-d8 | 7.906 | 98 | 139465 | 4.416 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 88.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.185 | 79 | 18828 | 4.601 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 92.000% | | | |
| 46) 2-Hexanone-d5 | 8.645 | 63 | 113086 | 51.105 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 102.200% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84 | 45814 | 4.774 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 95.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.201 | 152 | 49540 | 4.560 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 91.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 63994 | 5.000 | ug/L | 100 |
| 3) Chloromethane | 1.520 | 50 | 80297 | 4.789 | ug/L | 100 |
| 5) Vinyl chloride | 1.607 | 62 | 81262 | 5.243 | ug/L | 100 |
| 6) Bromomethane | 1.861 | 94 | 44655 | 5.300 | ug/L | 100 |
| 8) Chloroethane | 1.938 | 64 | 49188 | 5.191 | ug/L | 96 |
| 9) Trichlorofluoromethane | 2.144 | 101 | 94533 | 5.334 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588 | 101 | 51786 | 5.311 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 51362 | 5.370 | ug/L | 97 |
| 13) Acetone | 2.646 | 43 | 106283m | 45.981 | ug/L | |
| 14) Carbon disulfide | 2.800 | 76 | 161911 | 5.219 | ug/L | 99 |
| 15) Methyl Acetate | 2.961 | 43 | 17677 | 4.682 | ug/L # | 89 |
| 16) Methylene chloride | 3.054 | 84 | 86370 | 6.078 | ug/L | 94 |
| 17) Methyl tert-butyl Ether | 3.372 | 73 | 136282 | 5.510 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.359 | 96 | 54718 | 5.491 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.880 | 63 | 105827 | 5.478 | ug/L | 98 |
| 21) 2-Butanone | 4.719 | 43 | 185062m | 56.183 | ug/L | |
| 22) cis-1,2-Dichloroethene | 4.674 | 96 | 59598 | 5.594 | ug/L | 98 |
| 23) Bromochloromethane | 4.983 | 128 | 26285 | 5.596 | ug/L | 95 |
| 25) Chloroform | 5.096 | 83 | 106664 | 5.382 | ug/L | 99 |

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Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005097

**Manual Integrations APPROVED**
MMDadoda
8/30/2021 10:54:22 AM

Quant Time: Aug 28 01:21:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 28 01:19:29 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.803 | 62 | 71151 | 5.382 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.324 | 97 | 88881 | 5.615 | ug/L | 99 |
| 30) Cyclohexane | 5.398 | 56 | 92787 | 5.302 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.533 | 117 | 71864 | 5.525 | ug/L | 100 |
| 33) Benzene | 5.784 | 78 | 237232 | 5.528 | ug/L | 100 |
| 34) Trichloroethene | 6.549 | 95 | 58329 | 5.498 | ug/L | 98 |
| 35) Methylcyclohexane | 6.771 | 83 | 90797 | 5.131 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.800 | 63 | 61865 | 5.506 | ug/L | 99 |
| 38) Bromodichloromethane | 7.112 | 83 | 77014 | 5.582 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.613 | 75 | 86604 | 5.496 | ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.803 | 43 | 445064 | 58.334 | ug/L | 99 |
| 42) Toluene | 7.976 | 91 | 248793 | 5.566 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.218 | 75 | 75269 | 5.635 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.407 | 97 | 46467 | 5.799 | ug/L | 97 |
| 47) Tetrachloroethene | 8.562 | 164 | 39140 | 5.335 | ug/L | 98 |
| 48) 2-Hexanone | 8.697 | 43 | 321914 | 59.132 | ug/L | 99 |
| 49) Dibromochloromethane | 8.819 | 129 | 48608 | 5.732 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.931 | 107 | 42984 | 5.608 | ug/L | 98 |
| 51) Chlorobenzene | 9.452 | 112 | 146623 | 5.345 | ug/L | 98 |
| 52) Ethylbenzene | 9.578 | 91 | 259701 | 5.500 | ug/L | 99 |
| 53) m,p-Xylene | 9.700 | 106 | 99844 | 5.624 | ug/L | 99 |
| 54) o-Xylene | 10.108 | 106 | 97384 | 5.632 | ug/L | 99 |
| 55) Styrene | 10.121 | 104 | 169399 | 5.975 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83 | 59535 | 5.643 | ug/L | 98 |
| 59) Bromoform | 10.298 | 173 | 25294 | 5.567 | ug/L | 98 |
| 60) Isopropylbenzene | 10.491 | 105 | 254878 | 5.431 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.832 | 75 | 44115 | 5.490 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.095 | 105 | 208813 | 5.441 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.475 | 105 | 214631 | 5.454 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.751 | 146 | 110705 | 5.372 | ug/L | 100 |
| 65) 1,4-Dichlorobenzene | 11.844 | 146 | 110551 | 5.310 | ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 12.217 | 146 | 106991 | 5.447 | ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75 | 9165 | 5.576 | ug/L | 96 |
| 69) 1,3,5-Trichlorobenzene | 13.227 | 180 | 75782 | 5.223 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.848 | 180 | 59869 | 5.265 | ug/L | 99 |
| 71) Naphthalene | 14.092 | 128 | 118339 | 5.458 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.336 | 180 | 57482 | 5.521 | ug/L | 99 |

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

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