Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082321\
Data File : VU044495.D
Acq On : 23 Aug 2021 12:15
Operator : SY/MD
Sample : M3515-02MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H4555MS

**Manual Integrations APPROVED**
SAM
8/24/2021 11:21:28 AM

Quant Time: Aug 24 03:58:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Aug 24 03:56:17 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.256 | 114 | 125176 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.423 | 117 | 126474 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.819 | 152 | 63008 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.601 | 65 | 38155 | 3.769 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 75.400% | | | |
| 7) Chloroethane-d5 | 1.916 | 69 | 36805 | 4.183 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 83.600% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.572 | 65 | 18023 | 4.185 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 83.600% | | | |
| 20) 2-Butanone-d5 | 4.636 | 46 | 136015 | 48.579 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 97.160% | | | |
| 24) Chloroform-d | 5.070 | 84 | 83129 | 4.644 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.710 | 65 | 44915 | 4.601 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.000% | | | |
| 32) Benzene-d6 | 5.735 | 84 | 162399 | 4.560 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.697 | 67 | 51500 | 4.520 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.400% | | | |
| 41) Toluene-d8 | 7.903 | 98 | 144425 | 4.573 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.185 | 79 | 18326 | 4.479 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.600% | | | |
| 46) 2-Hexanone-d5 | 8.642 | 63 | 113755 | 51.411 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 102.820% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84 | 45465 | 4.738 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 94.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 49235 | 4.625 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 92.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 65207 | 5.065 | ug/L | 99 |
| 3) Chloromethane | 1.523 | 50 | 81160 | 4.812 | ug/L | 98 |
| 5) Vinyl chloride | 1.607 | 62 | 77439 | 4.967 | ug/L | 92 |
| 6) Bromomethane | 1.861 | 94 | 44216 | 5.218 | ug/L | 99 |
| 8) Chloroethane | 1.938 | 64 | 48948 | 5.136 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.144 | 101 | 90030 | 5.050 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584 | 101 | 51029 | 5.203 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 49157 | 5.110 | ug/L | 97 |
| 13) Acetone | 2.642 | 43 | 108872m | 46.828 | ug/L | |
| 14) Carbon disulfide | 2.800 | 76 | 157213 | 5.038 | ug/L | 98 |
| 15) Methyl Acetate | 2.961 | 43 | 21123 | 5.563 | ug/L | 96 |
| 16) Methylene chloride | 3.054 | 84 | 57688 | 4.036 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 3.372 | 73 | 138519 | 5.568 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.359 | 96 | 53089 | 5.296 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.877 | 63 | 103721 | 5.338 | ug/L | 98 |
| 21) 2-Butanone | 4.716 | 43 | 179617m | 54.213 | ug/L | |
| 22) cis-1,2-Dichloroethene | 4.678 | 96 | 57281 | 5.345 | ug/L | 98 |
| 23) Bromochloromethane | 4.983 | 128 | 24807 | 5.251 | ug/L | 97 |
| 25) Chloroform | 5.096 | 83 | 106262 | 5.330 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082321\
Data File : VU044495.D
Acq On : 23 Aug 2021 12:15
Operator : SY/MD
Sample : M3515-02MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H4555MS

**Manual Integrations APPROVED**
SAM
8/24/2021 11:21:28 AM

Quant Time: Aug 24 03:58:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Aug 24 03:56:17 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.803 | 62 | 69806 | 5.249 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 5.324 | 97 | 83720 | 5.289 | ug/L | 100 |
| 30) Cyclohexane | 5.398 | 56 | 89711 | 5.127 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.533 | 117 | 67544 | 5.193 | ug/L | 98 |
| 33) Benzene | 5.784 | 78 | 225580 | 5.257 | ug/L | 100 |
| 34) Trichloroethene | 6.549 | 95 | 54395 | 5.127 | ug/L | 97 |
| 35) Methylcyclohexane | 6.771 | 83 | 90256 | 5.101 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.796 | 63 | 60052 | 5.345 | ug/L | 100 |
| 38) Bromodichloromethane | 7.112 | 83 | 73565 | 5.332 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.613 | 75 | 82529 | 5.237 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.800 | 43 | 418788 | 54.894 | ug/L | 99 |
| 42) Toluene | 7.976 | 91 | 235334 | 5.265 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.218 | 75 | 72100 | 5.398 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.407 | 97 | 42943 | 5.360 | ug/L | 96 |
| 47) Tetrachloroethene | 8.558 | 164 | 37344 | 5.091 | ug/L | 98 |
| 48) 2-Hexanone | 8.694 | 43 | 306290 | 56.265 | ug/L | 100 |
| 49) Dibromochloromethane | 8.816 | 129 | 45361 | 5.350 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.931 | 107 | 40820 | 5.326 | ug/L | 97 |
| 51) Chlorobenzene | 9.452 | 112 | 140472 | 5.121 | ug/L | 99 |
| 52) Ethylbenzene | 9.575 | 91 | 249522 | 5.285 | ug/L | 99 |
| 53) m,p-Xylene | 9.700 | 106 | 97011 | 5.465 | ug/L | 100 |
| 54) o-Xylene | 10.105 | 106 | 93865 | 5.428 | ug/L | 98 |
| 55) Styrene | 10.121 | 104 | 156527 | 5.521 | ug/L | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83 | 57008 | 5.404 | ug/L | 99 |
| 59) Bromoform | 10.298 | 173 | 23826 | 5.352 | ug/L | 100 |
| 60) Isopropylbenzene | 10.491 | 105 | 242109 | 5.265 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.828 | 75 | 41347 | 5.251 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.095 | 105 | 198600 | 5.282 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.475 | 105 | 204656 | 5.308 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.751 | 146 | 106012 | 5.250 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.841 | 146 | 104739 | 5.134 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.217 | 146 | 101599 | 5.280 | ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75 | 8568 | 5.320 | ug/L | 97 |
| 69) 1,3,5-Trichlorobenzene | 13.224 | 180 | 71592 | 5.036 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 13.844 | 180 | 57692 | 5.178 | ug/L | 99 |
| 71) Naphthalene | 14.092 | 128 | 112103 | 5.277 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.336 | 180 | 54194 | 5.312 | ug/L | 99 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082321\
Data File : VU044495.D
Acq On : 23 Aug 2021 12:15
Operator : SY/MD
Sample : M3515-02MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 24 03:58:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR081821WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Aug 24 03:56:17 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
H4555MS

**Manual Integrations APPROVED**
SAM
8/24/2021 11:21:28 AM