Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
Data File : VU058500.D
Acq On : 09 Apr 2024 04:00
Operator : MD/SY
Sample : P2013-15MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0MC0MS

Quant Time: Apr 09 05:55:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 09 05:30:00 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.242 | 114 | 74223 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.409 | 117 | 72305 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152 | 36097 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.592 | 65 | 14091 | 2.868 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 57.400% | | | |
| 7) Chloroethane-d5 | 1.907 | 69 | 14497 | 3.395 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 67.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.560 | 65 | 6636 | 2.984 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 59.600%# | | | |
| 20) 2-Butanone-d5 | 4.624 | 46 | 57732 | 55.748 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 111.500% | | | |
| 24) Chloroform-d | 5.052 | 84 | 44023 | 4.488 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.692 | 65 | 20160 | 4.404 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 88.000% | | | |
| 32) Benzene-d6 | 5.718 | 84 | 71680 | 3.682 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 73.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.682 | 67 | 25435 | 4.166 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 83.400% | | | |
| 41) Toluene-d8 | 7.891 | 98 | 61165 | 3.543 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 70.800% | | | |
| 43) trans-1,3-Dichloroprop... | 8.174 | 79 | 7972 | 4.207 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.200% | | | |
| 46) 2-Hexanone-d5 | 8.627 | 63 | 41084 | 52.564 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.120% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84 | 20061 | 4.655 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 93.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 24307 | 3.998 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 80.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.377 | 85 | 30993 | 5.010 | ug/L | 98 |
| 3) Chloromethane | 1.515 | 50 | 38297 | 5.058 | ug/L | 98 |
| 5) Vinyl chloride | 1.599 | 62 | 61563 | 8.142 | ug/L | 99 |
| 6) Bromomethane | 1.853 | 94 | 14121 | 3.947 | ug/L | 99 |
| 8) Chloroethane | 1.927 | 64 | 25520 | 5.342 | ug/L | 96 |
| 9) Trichlorofluoromethane | 2.132 | 101 | 52731 | 5.281 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 30561 | 5.151 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.573 | 96 | 27383 | 5.206 | ug/L | 87 |
| 13) Acetone | 2.637 | 43 | 42914 | 48.552 | ug/L | 98 |
| 14) Carbon disulfide | 2.785 | 76 | 86074 | 5.151 | ug/L | 99 |
| 15) Methyl Acetate | 2.946 | 43 | 8444 | 4.049 | ug/L | 95 |
| 16) Methylene chloride | 3.036 | 84 | 32574 | 4.666 | ug/L | 96 |
| 17) Methyl tert-butyl Ether | 3.351 | 73 | 65671 | 5.285 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.345 | 96 | 30901 | 5.605 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.856 | 63 | 67131 | 5.579 | ug/L | 98 |
| 21) 2-Butanone | 4.701 | 43 | 67424 | 51.036 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.653 | 96 | 101761 | 16.437 | ug/L | 97 |
| 23) Bromochloromethane | 4.965 | 128 | 13535 | 5.549 | ug/L | 99 |
| 25) Chloroform | 5.078 | 83 | 64575 | 5.545 | ug/L | 99 |

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Operator : MD/SY
Sample : P2013-15MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0MC0MS

Quant Time: Apr 09 05:55:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 09 05:30:00 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.785 | 62 | 38402 | 5.415 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.306 | 97 | 51620 | 5.325 | ug/L | 99 |
| 30) Cyclohexane | 5.377 | 56 | 52484 | 5.126 | ug/L | 98 |
| 31) Carbon tetrachloride | 5.515 | 117 | 44129 | 5.375 | ug/L | 99 |
| 33) Benzene | 5.766 | 78 | 138811 | 5.296 | ug/L | 100 |
| 34) Trichloroethene | 6.534 | 95 | 34183 | 5.174 | ug/L | 96 |
| 35) Methylcyclohexane | 6.756 | 83 | 48325 | 4.855 | ug/L | 96 |
| 37) 1,2-Dichloropropane | 6.782 | 63 | 38101 | 5.525 | ug/L | 99 |
| 38) Bromodichloromethane | 7.097 | 83 | 42679 | 5.422 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.602 | 75 | 43828 | 4.998 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.782 | 43 | 174182 | 53.663 | ug/L | 99 |
| 42) Toluene | 7.962 | 91 | 144801 | 5.267 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.203 | 75 | 34669 | 5.013 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.393 | 97 | 21495 | 5.337 | ug/L | 96 |
| 47) Tetrachloroethene | 8.547 | 164 | 24046 | 4.965 | ug/L | 99 |
| 48) 2-Hexanone | 8.679 | 43 | 119249 | 51.751 | ug/L | 99 |
| 49) Dibromochloromethane | 8.801 | 129 | 25174 | 5.406 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.917 | 107 | 19456 | 5.282 | ug/L | 98 |
| 51) Chlorobenzene | 9.441 | 112 | 86705 | 5.212 | ug/L | 99 |
| 52) Ethylbenzene | 9.563 | 91 | 151637 | 5.206 | ug/L | 100 |
| 53) m,p-Xylene | 9.685 | 106 | 53536 | 5.133 | ug/L | 98 |
| 54) o-Xylene | 10.094 | 106 | 53354 | 5.218 | ug/L | 98 |
| 55) Styrene | 10.106 | 104 | 88407 | 5.374 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83 | 26730 | 5.381 | ug/L | 99 |
| 59) Bromoform | 10.283 | 173 | 12530 | 5.195 | ug/L | 99 |
| 60) Isopropylbenzene | 10.476 | 105 | 137252 | 5.194 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.814 | 75 | 19119 | 5.191 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.081 | 105 | 109196 | 5.067 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 11.460 | 105 | 111057 | 5.047 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.740 | 146 | 64267 | 5.007 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.830 | 146 | 60182 | 4.812 | ug/L | 100 |
| 67) 1,2-Dichlorobenzene | 12.206 | 146 | 58166 | 4.981 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75 | 3568 | 5.713 | ug/L | 89 |
| 69) 1,3,5-Trichlorobenzene | 13.212 | 180 | 44128 | 4.649 | ug/L | 98 |
| 70) 1,2,4-trichlorobenzene | 13.833 | 180 | 32059 | 4.380 | ug/L | 99 |
| 71) Naphthalene | 14.084 | 128 | 36381 | 3.627 | ug/L | 98 |
| 72) 1,2,3-Trichlorobenzene | 14.322 | 180 | 26501 | 4.384 | ug/L | 99 |

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

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