Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092723\
Data File : VU055568.D
Acq On : 27 Sep 2023 22:03
Operator : MD/SY
Sample : 04610-04MSD 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DCJH9MSD

Quant Time: Sep 27 23:39:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 23:33:30 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.248 | 114 | 207082 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.415 | 117 | 217361 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152 | 128230 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.596 | 65 | 86434 | 4.130 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 82.600% | | | |
| 7) Chloroethane-d5 | 1.911 | 69 | 74827 | 4.057 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 81.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.567 | 65 | 33923 | 3.938 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 78.800% | | | |
| 20) 2-Butanone-d5 | 4.631 | 46 | 168707 | 44.627 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 89.260% | | | |
| 24) Chloroform-d | 5.059 | 84 | 166071 | 4.387 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.698 | 65 | 78770 | 4.326 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.600% | | | |
| 32) Benzene-d6 | 5.724 | 84 | 324276 | 4.265 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 85.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.689 | 67 | 98342 | 4.329 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 86.600% | | | |
| 41) Toluene-d8 | 7.894 | 98 | 294925 | 4.256 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 85.200% | | | |
| 43) trans-1,3-Dichloroprop... | 8.177 | 79 | 35314 | 4.430 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.600% | | | |
| 46) 2-Hexanone-d5 | 8.631 | 63 | 103116 | 42.526 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 85.060% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84 | 78087 | 4.587 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.190 | 152 | 107234 | 4.143 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 82.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.383 | 85 | 89663 | 4.447 | ug/L | 99 |
| 3) Chloromethane | 1.519 | 50 | 91723 | 5.172 | ug/L | 98 |
| 5) Vinyl chloride | 1.602 | 62 | 102405 | 5.352 | ug/L | 98 |
| 6) Bromomethane | 1.856 | 94 | 59417 | 4.889 | ug/L | 95 |
| 8) Chloroethane | 1.933 | 64 | 59888 | 4.796 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.139 | 101 | 137345 | 5.176 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.580 | 101 | 77136 | 4.777 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.580 | 96 | 71012 | 4.905 | ug/L | 89 |
| 13) Acetone | 2.637 | 43 | 104548 | 48.516 | ug/L | 95 |
| 14) Carbon disulfide | 2.792 | 76 | 223378 | 5.132 | ug/L | 100 |
| 15) Methyl Acetate | 2.953 | 43 | 25575 | 5.205 | ug/L | 96 |
| 16) Methylene chloride | 3.043 | 84 | 92449 | 5.330 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.358 | 73 | 161876 | 5.154 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.351 | 96 | 76966 | 5.274 | ug/L | 94 |
| 19) 1,1-Dichloroethane | 3.866 | 63 | 142439 | 5.278 | ug/L | 99 |
| 21) 2-Butanone | 4.708 | 43 | 161933 | 51.235 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.663 | 96 | 85518 | 5.054 | ug/L | 96 |
| 23) Bromochloromethane | 4.975 | 128 | 38117 | 5.330 | ug/L | 95 |
| 25) Chloroform | 5.084 | 83 | 156503 | 5.477 | ug/L | 99 |

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**Instrument :**
MSVOA_U
**ClientSampleId :**
DCJH9MSD

Quant Time: Sep 27 23:39:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 27 23:33:30 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.792 | 62 | 88973 | 5.077 | ug/L | | 97 |
| 29) 1,1,1-Trichloroethane | 5.313 | 97 | 128535 | 5.187 | ug/L | | 100 |
| 30) Cyclohexane | 5.387 | 56 | 108206 | 4.770 | ug/L | | 99 |
| 31) Carbon tetrachloride | 5.522 | 117 | 112351 | 5.290 | ug/L | | 100 |
| 33) Benzene | 5.769 | 78 | 322008 | 5.147 | ug/L | | 100 |
| 34) Trichloroethene | 6.538 | 95 | 274603 | 15.518 | ug/L | | 98 |
| 35) Methylcyclohexane | 6.759 | 83 | 119710 | 4.696 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.785 | 63 | 83210 | 5.086 | ug/L | | 99 |
| 38) Bromodichloromethane | 7.100 | 83 | 105076 | 5.480 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.605 | 75 | 116970 | 5.356 | ug/L | | 97 |
| 40) 4-Methyl-2-pentanone | 7.788 | 43 | 394016 | 53.089 | ug/L | | 99 |
| 42) Toluene | 7.965 | 91 | 352675 | 5.285 | ug/L | | 97 |
| 44) trans-1,3-Dichloropropene | 8.206 | 75 | 93972 | 5.379 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 8.396 | 97 | 60318 | 5.258 | ug/L | | 99 |
| 47) Tetrachloroethene | 8.550 | 164 | 65425 | 5.154 | ug/L | | 97 |
| 48) 2-Hexanone | 8.682 | 43 | 301021 | 52.333 | ug/L | | 99 |
| 49) Dibromochloromethane | 8.804 | 129 | 66826 | 5.557 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 8.920 | 107 | 57282 | 5.381 | ug/L | # | 99 |
| 51) Chlorobenzene | 9.444 | 112 | 221869 | 5.191 | ug/L | | 99 |
| 52) Ethylbenzene | 9.566 | 91 | 365343 | 5.107 | ug/L | | 99 |
| 53) m,p-Xylene | 9.692 | 106 | 141716 | 5.286 | ug/L | | 99 |
| 54) o-Xylene | 10.097 | 106 | 135838 | 5.211 | ug/L | | 96 |
| 55) Styrene | 10.113 | 104 | 232686 | 5.521 | ug/L | | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.779 | 83 | 71784 | 5.543 | ug/L | # | 96 |
| 59) Bromoform | 10.287 | 173 | 37397 | 5.441 | ug/L | | 100 |
| 60) Isopropylbenzene | 10.480 | 105 | 363947 | 4.925 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 10.817 | 75 | 49481 | 4.943 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.084 | 105 | 286273 | 4.844 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.467 | 105 | 281874 | 4.873 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 11.743 | 146 | 184305 | 5.209 | ug/L | | 100 |
| 65) 1,4-Dichlorobenzene | 11.833 | 146 | 179852 | 5.086 | ug/L | | 96 |
| 67) 1,2-Dichlorobenzene | 12.209 | 146 | 168766 | 5.202 | ug/L | | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75 | 8974 | 5.172 | ug/L | | 95 |
| 69) 1,3,5-Trichlorobenzene | 13.216 | 180 | 125126 | 5.135 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 13.836 | 180 | 97045 | 5.224 | ug/L | | 99 |
| 71) Naphthalene | 14.084 | 128 | 141975 | 5.279 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.325 | 180 | 85522 | 5.291 | ug/L | | 98 |

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

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