Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030223\
Data File : BM038831.D
Acq On : 02 Mar 2023 10:29
Operator : CG/JU
Sample : 01378-02
Misc : SFAM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 02 11:00:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022823.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 01 02:09:21 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-WATER-QT1-2023-02

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.010 | 152 | 287902 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.828 | 136 | 1278585 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.645 | 164 | 795948 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.386 | 188 | 1736221 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.568 | 240 | 1753753 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.021 | 264 | 2006897 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.381 | 96 | 38280 | 4.965 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.805 | 84 | 319966 | 15.094 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.157 | 99 | 488493 | 18.098 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.334 | 67 | 320897 | 18.607 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.534 | 132 | 383643 | 19.075 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.710 | 113 | 371461 | 17.469 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.175 | 128 | 175454 | 19.547 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.904 | 143 | 168799 | 20.069 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.439 | 165 | 358786 | 18.358 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.957 | 131 | 558721 | 17.151 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.057 | 166 | 1152419 | 18.693 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.339 | 160 | 1334512 | 18.521 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.821 | 143 | 197582 | 16.010 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.633 | 176 | 1022473 | 18.806 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 200 | 128864 | 14.276 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.486 | 188 | 1525231 | 17.815 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.774 | 212 | 1875153 | 19.440 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.862 | 264 | 1927943 | 19.063 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.422 | 88 | 10717 | 1.293 | ng/uL | 93 |
| 5) Pyridine | 3.828 | 79 | 86829 | 3.805 | ng/ul# | 80 |
| 6) Benzaldehyde | 7.140 | 77 | 65588m | 5.017 | ng/ul | |
| 8) Phenol | 7.187 | 94 | 128171 | 4.437 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.428 | 93 | 102490 | 4.456 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.569 | 128 | 95592 | 4.615 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.451 | 108 | 90135 | 4.174 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.551 | 45 | 129460 | 4.484 | ng/ul | 99 |
| 16) Acetophenone | 8.839 | 105 | 171778 | 4.648 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.822 | 70 | 78174 | 4.606 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.775 | 108 | 105113 | 4.384 | ng/ul | 99 |
| 19) Hexachloroethane | 9.104 | 117 | 36665 | 4.418 | ng/ul | 98 |
| 22) Nitrobenzene | 9.216 | 77 | 118040 | 4.807 | ng/ul | 97 |
| 23) Isophorone | 9.745 | 82 | 218138 | 4.367 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.934 | 139 | 47766 | 4.789 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.986 | 107 | 99297 | 4.052 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.234 | 93 | 144392 | 4.711 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.463 | 162 | 94672 | 4.778 | ng/ul | 99 |
| 30) Naphthalene | 10.875 | 128 | 350521 | 4.804 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.981 | 127 | 148968 | 4.516 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.169 | 225 | 57747 | 4.684 | ng/ul | 96 |
| 34) Caprolactam | 11.751 | 113 | 29416m | 4.330 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.092 | 107 | 96706 | 4.318 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.480 | 142 | 226508 | 4.756 | ng/ul | 99 |

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**Instrument :**
BNA_M
**ClientSampleId :**
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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) | 1-Methylnaphthalene | 12.698 | 142 | 180865 | 3.769 | ng/ul | 99 |
| 39) | 1,2,4,5-Tetrachloroben... | 12.845 | 216 | 119623 | 5.024 | ng/ul | 97 |
| 40) | Hexachlorocyclopentadiene | 12.827 | 237 | 67020 | 5.217 | ng/ul | 93 |
| 41) | 2,4,6-Trichlorophenol | 13.080 | 196 | 66497 | 4.428 | ng/ul | 96 |
| 42) | 2,4,5-Trichlorophenol | 13.145 | 196 | 74638 | 4.516 | ng/ul | 97 |
| 43) | 1,1'-Biphenyl | 13.486 | 154 | 310092 | 4.939 | ng/ul | 99 |
| 44) | 2-Chloronaphthalene | 13.527 | 162 | 245397 | 4.956 | ng/ul | 98 |
| 45) | 2-Nitroaniline | 13.722 | 65 | 43110 | 3.858 | ng/ul | 98 |
| 47) | Dimethylphthalate | 14.104 | 163 | 302053 | 4.835 | ng/ul | 99 |
| 48) | 2,6-Dinitrotoluene | 14.216 | 165 | 37831 | 3.827 | ng/ul | 90 |
| 50) | Acenaphthylene | 14.369 | 152 | 394230 | 4.933 | ng/ul | 99 |
| 51) | 3-Nitroaniline | 14.539 | 138 | 44463 | 3.583 | ng/ul# | 95 |
| 52) | Acenaphthene | 14.710 | 153 | 271117 | 4.929 | ng/ul | 100 |
| 53) | 2,4-Dinitrophenol | 14.745 | 184 | 29481 | 5.245 | ng/ul | 95 |
| 55) | 4-Nitrophenol | 14.833 | 109 | 43678 | 4.431 | ng/ul | 93 |
| 56) | Dibenzofuran | 15.045 | 168 | 380933 | 4.988 | ng/ul | 98 |
| 57) | 2,4-Dinitrotoluene | 14.998 | 165 | 60596 | 3.965 | ng/ul | 98 |
| 58) | 2,3,4,6-Tetrachlorophenol | 15.263 | 232 | 63259 | 4.396 | ng/ul | 99 |
| 59) | Diethylphthalate | 15.463 | 149 | 283621 | 4.588 | ng/ul | 98 |
| 61) | Fluorene | 15.692 | 166 | 316035 | 4.936 | ng/ul | 100 |
| 62) | 4-Chlorophenyl-phenyle... | 15.686 | 204 | 152134 | 4.922 | ng/ul | 98 |
| 63) | 4-Nitroaniline | 15.698 | 138 | 51194m | 3.989 | ng/ul | |
| 66) | 4,6-Dinitro-2-methylph... | 15.757 | 198 | 39409 | 4.219 | ng/ul# | 88 |
| 67) | N-Nitrosodiphenylamine | 15.898 | 169 | 246760 | 4.699 | ng/ul | 98 |
| 68) | 4-Bromophenyl-phenylether | 16.580 | 248 | 83707 | 4.684 | ng/ul | 97 |
| 69) | Hexachlorobenzene | 16.692 | 284 | 105862 | 4.891 | ng/ul | 100 |
| 70) | Atrazine | 16.845 | 200 | 69618 | 3.919 | ng/ul | 99 |
| 71) | Pentachlorophenol | 17.033 | 266 | 51729 | 3.931 | ng/ul | 90 |
| 72) | Phenanthrene | 17.427 | 178 | 495604 | 4.940 | ng/ul | 99 |
| 74) | Anthracene | 17.521 | 178 | 473573 | 4.636 | ng/ul | 100 |
| 75) | 1,2,3,4-Tetrachloroben... | 13.445 | 216 | 94853 | 3.877 | ng/uL | 99 |
| 76) | Pentachlorobenzene | 14.963 | 250 | 91700 | 3.647 | ng/uL | 98 |
| 77) | Carbazole | 17.786 | 167 | 430367 | 4.537 | ng/ul | 99 |
| 78) | Di-n-butylphthalate | 18.362 | 149 | 415886 | 4.310 | ng/ul | 99 |
| 80) | Fluoranthene | 19.439 | 202 | 540276 | 4.870 | ng/ul | 98 |
| 82) | Pyrene | 19.804 | 202 | 622285 | 5.115 | ng/ul | 98 |
| 83) | Butylbenzylphthalate | 20.703 | 149 | 134792 | 4.170 | ng/ul | 99 |
| 84) | 3,3'-Dichlorobenzidine | 21.480 | 252 | 129190 | 3.759 | ng/ul | 99 |
| 85) | Benzo(a)anthracene | 21.550 | 228 | 577049 | 4.762 | ng/ul | 100 |
| 86) | Bis(2-ethylhexyl)phtha... | 21.486 | 149 | 232452 | 4.326 | ng/ul | 97 |
| 87) | Chrysene | 21.603 | 228 | 584263 | 4.931 | ng/ul | 100 |
| 89) | Di-n-octyl phthalate | 22.439 | 149 | 337243 | 3.342 | ng/ul | 100 |
| 90) | Benzo(b)fluoranthene | 23.268 | 252 | 580890 | 4.662 | ng/ul | 100 |
| 91) | Benzo(k)fluoranthene | 23.321 | 252 | 626800 | 4.897 | ng/ul | 99 |
| 93) | Benzo(a)pyrene | 23.909 | 252 | 534470 | 4.630 | ng/ul | 100 |
| 94) | Indeno(1,2,3-cd)pyrene | 26.580 | 276 | 688153 | 4.510 | ng/ul | 99 |
| 95) | Dibenzo(a,h)anthracene | 26.603 | 278 | 581315 | 4.516 | ng/ul | 100 |
| 96) | Benzo(g,h,i)perylene | 27.362 | 276 | 575855 | 4.609 | ng/ul | 98 |

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

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