Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081324\
Data File : BM047171.D
Acq On : 13 Aug 2024 12:21
Operator : RC/JU
Sample : P3390-09
Misc : MDL-MDL-WATER-4NG
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-WATER-03-QT3-2024

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 13:00:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.369 | 152 | 211102 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.127 | 136 | 881353 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.027 | 164 | 578630 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.786 | 188 | 1258334 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.027 | 240 | 1205514 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.715 | 264 | 1467419 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.022 | 112 | 1511117 | 127.906 | ng | | 0.00 |
| 7) Phenol-d6 | 6.581 | 99 | 2078448 | 127.676 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.516 | 82 | 1509718 | 86.253 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.533 | 330 | 881506 | 131.386 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.639 | 172 | 3113659 | 83.005 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.456 | 244 | 4757776 | 84.568 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.034 | 88 | 23639 | 4.829 | ng | | 97 |
| 3) Pyridine | 3.422 | 79 | 52562 | 3.662 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.334 | 42 | 26754 | 4.266 | ng | # | 89 |
| 6) Aniline | 6.722 | 93 | 77314 | 5.025 | ng | | 98 |
| 8) 2-Chlorophenol | 6.945 | 128 | 55684 | 4.321 | ng | | 97 |
| 9) Benzaldehyde | 6.534 | 77 | 53036 | 4.141 | ng | | 97 |
| 10) Phenol | 6.604 | 94 | 67776 | 4.172 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.822 | 93 | 57868 | 4.160 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.257 | 146 | 63045 | 4.117 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.404 | 146 | 64362 | 4.152 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.716 | 146 | 62791 | 4.293 | ng | | 96 |
| 15) Benzyl Alcohol | 7.622 | 79 | 41858 | 3.613 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.892 | 45 | 84098 | 4.711 | ng | | 98 |
| 17) 2-Methylphenol | 7.828 | 107 | 42294 | 3.903 | ng | | 98 |
| 18) Hexachloroethane | 8.422 | 117 | 23199 | 3.863 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 8.175 | 70 | 46563 | 4.246 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.157 | 107 | 58641 | 3.871 | ng | | 98 |
| 22) Acetophenone | 8.186 | 105 | 95036 | 4.467 | ng | | 96 |
| 24) Nitrobenzene | 8.557 | 77 | 74021m | 4.200 | ng | | |
| 25) Isophorone | 9.080 | 82 | 119736 | 3.929 | ng | | 99 |
| 26) 2-Nitrophenol | 9.263 | 139 | 24292 | 3.112 | ng | # | 90 |
| 27) 2,4-Dimethylphenol | 9.339 | 122 | 32486 | 3.553 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 9.569 | 93 | 78822 | 4.110 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 9.792 | 162 | 46713 | 3.443 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 9.992 | 180 | 60574 | 3.945 | ng | | 98 |
| 31) Naphthalene | 10.175 | 128 | 180225 | 4.105 | ng | | 98 |
| 32) Benzoic acid | 9.428 | 122 | 25760m | 2.425 | ng | | |
| 33) 4-Chloroaniline | 10.304 | 127 | 67478 | 3.997 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.463 | 225 | 32714 | 3.640 | ng | | 91 |
| 35) Caprolactam | 11.086 | 113 | 14602m | 3.099 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.445 | 107 | 48730 | 3.373 | ng | | 98 |
| 37) 2-Methylnaphthalene | 11.804 | 142 | 123890 | 3.963 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.027 | 142 | 120619 | 3.904 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.180 | 216 | 60617 | 3.841 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.157 | 237 | 20841 | 3.782 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.439 | 196 | 36593 | 3.262 | ng | | 96 |

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Misc : MDL-MDL-WATER-4NG
ALS Vial : 7 Sample Multiplier: 1

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**ClientSampleId :**
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Quant Time: Aug 13 13:00:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.521 | 196 | 38653 | 3.103 | ng | | 98 |
| 46) 1,1'-Biphenyl | 12.845 | 154 | 173900 | 4.222 | ng | | 98 |
| 47) 2-Chloronaphthalene | 12.880 | 162 | 132701 | 4.122 | ng | | 97 |
| 48) 2-Nitroaniline | 13.110 | 65 | 33399 | 3.311 | ng | | 89 |
| 49) Acenaphthylene | 13.745 | 152 | 203542 | 4.289 | ng | | 99 |
| 50) Dimethylphthalate | 13.504 | 163 | 163327 | 4.042 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.621 | 165 | 31146 | 3.297 | ng | | 100 |
| 52) Acenaphthene | 14.092 | 154 | 122032 | 4.054 | ng | | 98 |
| 53) 3-Nitroaniline | 13.957 | 138 | 31549 | 3.333 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.168 | 184 | 10799 | 1.907 | ng | | 96 |
| 55) Dibenzofuran | 14.433 | 168 | 204987 | 4.311 | ng | | 99 |
| 56) 4-Nitrophenol | 14.298 | 139 | 22309 | 2.733 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 14.421 | 165 | 39736 | 3.151 | ng | # | 82 |
| 58) Fluorene | 15.086 | 166 | 159117 | 4.055 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.668 | 232 | 36016 | 3.518 | ng | | 96 |
| 60) Diethylphthalate | 14.886 | 149 | 159071 | 3.855 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.092 | 204 | 75828 | 4.059 | ng | | 98 |
| 62) 4-Nitroaniline | 15.127 | 138 | 29508m | 3.164 | ng | | |
| 63) Azobenzene | 15.386 | 77 | 160475 | 4.101 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.192 | 198 | 17995 | 2.443 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.315 | 169 | 136031 | 3.969 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 15.992 | 248 | 42899 | 3.538 | ng | | 96 |
| 68) Hexachlorobenzene | 16.092 | 284 | 54791 | 3.773 | ng | | 95 |
| 69) Atrazine | 16.286 | 200 | 42690 | 4.139 | ng | | 97 |
| 70) Pentachlorophenol | 16.451 | 266 | 27191 | 2.671 | ng | | 98 |
| 71) Phenanthrene | 16.827 | 178 | 267919 | 4.243 | ng | | 99 |
| 72) Anthracene | 16.921 | 178 | 247918 | 4.035 | ng | | 100 |
| 73) Carbazole | 17.203 | 167 | 241073 | 3.842 | ng | | 98 |
| 74) Di-n-butylphthalate | 17.792 | 149 | 254346 | 3.484 | ng | | 99 |
| 75) Fluoranthene | 18.862 | 202 | 287216 | 3.739 | ng | | 99 |
| 77) Benzidine | 19.074 | 184 | 89750 | 4.390 | ng | | 98 |
| 78) Pyrene | 19.233 | 202 | 304939 | 3.543 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.174 | 149 | 108041 | 3.076 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.009 | 228 | 314926 | 3.935 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 20.950 | 252 | 95418 | 3.811 | ng | # | 98 |
| 83) Chrysene | 21.062 | 228 | 305786 | 4.027 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 20.974 | 149 | 158726 | 3.186 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.003 | 149 | 245976 | 2.905 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 26.697 | 276 | 374205 | 3.945 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 22.874 | 252 | 321547 | 3.690 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 22.927 | 252 | 315275 | 3.830 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.591 | 252 | 281806 | 3.733 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 26.750 | 278 | 312061 | 4.065 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 27.620 | 276 | 307588 | 3.859 | ng | | 97 |

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

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