Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
Data File : BF136962.D
Acq On : 05 Jan 2024 02:31
Operator : CG\JU
Sample : P1004-01MSD 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SU-04-01022024MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 05 03:55:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.781 | 152 | 46666 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.057 | 136 | 171726 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.816 | 164 | 82066 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.310 | 188 | 146476 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.969 | 240 | 112186 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.457 | 264 | 85036 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 165419 | 55.308 | ng | | 0.00 |
| 7) Phenol-d6 | 6.434 | 99 | 199176 | 51.394 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.345 | 82 | 117850 | 35.117 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.610 | 330 | 48860 | 50.553 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.134 | 172 | 249987 | 40.971 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.904 | 244 | 251486 | 31.327 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.499 | 88 | 23952 | 19.220 | ng | | 96 |
| 3) Pyridine | 3.275 | 79 | 53628 | 17.638 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.222 | 42 | 30425 | 18.738 | ng | # | 93 |
| 6) Aniline | 6.451 | 93 | 69909 | 18.043 | ng | # | 63 |
| 8) 2-Chlorophenol | 6.575 | 128 | 69976 | 21.380 | ng | | 94 |
| 9) Benzaldehyde | 6.340 | 77 | 14535 | 6.594 | ng | | 96 |
| 10) Phenol | 6.445 | 94 | 87794 | 21.221 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.522 | 93 | 63882 | 20.305 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.722 | 146 | 71396 | 19.996 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.798 | 146 | 76118 | 20.864 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.951 | 146 | 68737 | 20.248 | ng | | 97 |
| 15) Benzyl Alcohol | 6.928 | 79 | 53119 | 20.317 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057 | 45 | 100544 | 19.547 | ng | | 76 |
| 17) 2-Methylphenol | 7.051 | 107 | 53178 | 19.612 | ng | # | 90 |
| 18) Hexachloroethane | 7.287 | 117 | 22606 | 17.062 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 7.192 | 70 | 47087 | 20.043 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.204 | 107 | 71481 | 21.102 | ng | # | 52 |
| 22) Acetophenone | 7.192 | 105 | 99623 | 23.145 | ng | # | 85 |
| 24) Nitrobenzene | 7.363 | 77 | 69158 | 20.572 | ng | | 99 |
| 25) Isophorone | 7.598 | 82 | 125106 | 20.488 | ng | | 99 |
| 26) 2-Nitrophenol | 7.681 | 139 | 31325 | 19.476 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.722 | 122 | 52764 | 26.946 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.810 | 93 | 80286 | 21.630 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.934 | 162 | 52869 | 20.972 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.004 | 180 | 59796 | 21.289 | ng | | 99 |
| 31) Naphthalene | 8.081 | 128 | 199885 | 21.187 | ng | | 100 |
| 32) Benzoic acid | 7.828 | 122 | 31683 | 16.722 | ng | | 94 |
| 33) 4-Chloroaniline | 8.139 | 127 | 63840 | 18.328 | ng | | 94 |
| 34) Hexachlorobutadiene | 8.192 | 225 | 34908 | 20.456 | ng | | 98 |
| 35) Caprolactam | 8.487 | 113 | 17334 | 20.843 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.628 | 107 | 58021 | 20.444 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.775 | 142 | 124147 | 20.447 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.875 | 142 | 120821 | 20.283 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 8.939 | 216 | 61114 | 24.046 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.922 | 237 | 467 | 5.439 | ng | | 78 |
| 43) 2,4,6-Trichlorophenol | 9.063 | 196 | 36026 | 22.103 | ng | | 97 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.110 | 196 | 39567 | 21.784 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.239 | 154 | 163619 | 23.759 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.263 | 162 | 115426 | 22.048 | ng | | 98 |
| 48) 2-Nitroaniline | 9.369 | 65 | 36278 | 22.129 | ng | | 87 |
| 49) Acenaphthylene | 9.681 | 152 | 186290 | 23.280 | ng | | 99 |
| 50) Dimethylphthalate | 9.539 | 163 | 132691 | 22.136 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.610 | 165 | 27013 | 19.856 | ng | | 92 |
| 52) Acenaphthene | 9.851 | 154 | 108411 | 21.856 | ng | | 98 |
| 53) 3-Nitroaniline | 9.781 | 138 | 31059 | 21.552 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.904 | 184 | 1713 | 5.901 | ng | # | 89 |
| 55) Dibenzofuran | 10.022 | 168 | 166535 | 22.148 | ng | | 99 |
| 56) 4-Nitrophenol | 9.969 | 139 | 31489 | 32.368 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.016 | 165 | 32742 | 18.539 | ng | # | 98 |
| 58) Fluorene | 10.369 | 166 | 132456 | 22.201 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232 | 27773 | 19.864 | ng | | 99 |
| 60) Diethylphthalate | 10.239 | 149 | 135556 | 21.795 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.357 | 204 | 62200 | 21.449 | ng | | 98 |
| 62) 4-Nitroaniline | 10.392 | 138 | 29706m | 21.383 | ng | | |
| 63) Azobenzene | 10.522 | 77 | 116629 | 20.077 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198 | 2450 | 2.919 | ng | | 74 |
| 66) n-Nitrosodiphenylamine | 10.481 | 169 | 114466 | 24.057 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248 | 36253 | 22.286 | ng | | 98 |
| 68) Hexachlorobenzene | 10.916 | 284 | 38816 | 21.412 | ng | | 94 |
| 69) Atrazine | 11.010 | 200 | 35720 | 29.351 | ng | | 99 |
| 70) Pentachlorophenol | 11.122 | 266 | 28902 | 34.204 | ng | | 98 |
| 71) Phenanthrene | 11.333 | 178 | 185989 | 24.746 | ng | | 99 |
| 72) Anthracene | 11.386 | 178 | 182025 | 23.915 | ng | | 98 |
| 73) Carbazole | 11.551 | 167 | 166944 | 23.263 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.875 | 149 | 212134 | 24.225 | ng | | 98 |
| 75) Fluoranthene | 12.533 | 202 | 230854 | 28.716 | ng | | 99 |
| 77) Benzidine | 12.663 | 184 | 70753 | 21.389 | ng | | 99 |
| 78) Pyrene | 12.763 | 202 | 230475 | 20.928 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.386 | 149 | 85789 | 21.408 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.963 | 228 | 198982 | 25.543 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 57577 | 26.026 | ng | | 94 |
| 83) Chrysene | 13.998 | 228 | 185615 | 24.366 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149 | 130036 | 25.791 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.563 | 149 | 217304 | 27.863 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.980 | 276 | 118401 | 19.284 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 150726 | 26.538 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 136169 | 25.373 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.398 | 252 | 115206 | 24.030 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.986 | 278 | 98514 | 19.558 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.433 | 276 | 94597 | 18.336 | ng | | 100 |

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

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