Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
Data File : BF138020.D
Acq On : 23 May 2024 11:21
Operator : CG\JU
Sample : PB161055BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB161055BS

Quant Time: May 23 11:56:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.034 | 152 | 159557 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.322 | 136 | 634354 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.086 | 164 | 360690 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.580 | 188 | 631196 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.233 | 240 | 354682 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.798 | 264 | 306386 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.675 | 112 | 1085622 | 115.575 | ng | | 0.01 |
| 7) Phenol-d6 | 6.657 | 99 | 1347805 | 116.482 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.604 | 82 | 827658 | 76.784 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.880 | 330 | 472751 | 129.990 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.398 | 172 | 1776940 | 75.887 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.168 | 244 | 1955763 | 81.267 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.040 | 88 | 126984 | 31.206 | ng | | 97 |
| 3) Pyridine | 3.787 | 79 | 317553 | 34.780 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.751 | 42 | 164568 | 40.857 | ng | | 94 |
| 6) Aniline | 6.698 | 93 | 323013m | 31.211 | ng | | |
| 8) 2-Chlorophenol | 6.822 | 128 | 439953 | 43.280 | ng | | 99 |
| 9) Benzaldehyde | 6.592 | 77 | 363366 | 58.044 | ng | | 99 |
| 10) Phenol | 6.675 | 94 | 508361 | 43.527 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.769 | 93 | 381838 | 42.580 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.975 | 146 | 460924 | 39.190 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.051 | 146 | 467514 | 39.601 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.204 | 146 | 450340 | 40.531 | ng | | 99 |
| 15) Benzyl Alcohol | 7.175 | 79 | 356788 | 46.177 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.298 | 45 | 475066 | 43.097 | ng | | 98 |
| 17) 2-Methylphenol | 7.281 | 107 | 352365 | 43.466 | ng | | 97 |
| 18) Hexachloroethane | 7.551 | 117 | 159891 | 40.024 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.445 | 70 | 282860 | 43.512 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.428 | 107 | 444998 | 41.901 | ng | | 93 |
| 22) Acetophenone | 7.445 | 105 | 584360 | 41.121 | ng | # | 98 |
| 24) Nitrobenzene | 7.622 | 77 | 426883 | 39.038 | ng | | 99 |
| 25) Isophorone | 7.857 | 82 | 785882 | 42.008 | ng | | 98 |
| 26) 2-Nitrophenol | 7.933 | 139 | 242445 | 44.125 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.957 | 122 | 315593 | 44.613 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 8.057 | 93 | 476803 | 42.052 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.175 | 162 | 381970 | 42.939 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.257 | 180 | 394009 | 39.670 | ng | | 99 |
| 31) Naphthalene | 8.345 | 128 | 1264611 | 39.649 | ng | | 100 |
| 32) Benzoic acid | 8.086 | 122 | 285927 | 47.815 | ng | | 99 |
| 33) 4-Chloroaniline | 8.386 | 127 | 217606 | 20.812 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.451 | 225 | 239465 | 38.091 | ng | | 99 |
| 35) Caprolactam | 8.769 | 113 | 120129m | 46.612 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.863 | 107 | 393917 | 43.531 | ng | | 97 |
| 37) 2-Methylnaphthalene | 9.039 | 142 | 846609 | 41.293 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.139 | 142 | 788154 | 39.103 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.204 | 216 | 405322 | 41.335 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.186 | 237 | 405833 | 108.921 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.310 | 196 | 279477 | 43.469 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.357 | 196 | 298965 | 42.498 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.504 | 154 | 1037740 | 41.020 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.533 | 162 | 806371 | 39.930 | ng | | 100 |
| 48) 2-Nitroaniline | 9.627 | 65 | 227759 | 44.042 | ng | | 90 |
| 49) Acenaphthylene | 9.951 | 152 | 1293817 | 44.557 | ng | | 99 |
| 50) Dimethylphthalate | 9.804 | 163 | 980547 | 43.352 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.869 | 165 | 222315 | 42.826 | ng | | 88 |
| 52) Acenaphthene | 10.122 | 154 | 869950 | 45.329 | ng | | 99 |
| 53) 3-Nitroaniline | 10.039 | 138 | 164799 | 32.473 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 10.145 | 184 | 238454 | 84.588 | ng | # | 85 |
| 55) Dibenzofuran | 10.292 | 168 | 1162551 | 41.622 | ng | | 99 |
| 56) 4-Nitrophenol | 10.192 | 139 | 341312 | 93.639 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.275 | 165 | 299004 | 44.554 | ng | | 97 |
| 58) Fluorene | 10.639 | 166 | 924382 | 41.842 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.410 | 232 | 251192 | 45.453 | ng | | 99 |
| 60) Diethylphthalate | 10.504 | 149 | 913024 | 43.222 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.627 | 204 | 455912 | 41.846 | ng | | 94 |
| 62) 4-Nitroaniline | 10.657 | 138 | 202663 | 42.104 | ng | | 100 |
| 63) Azobenzene | 10.786 | 77 | 827285 | 43.056 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.680 | 198 | 170587 | 46.806 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 10.745 | 169 | 795314 | 41.087 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.121 | 248 | 289784 | 41.878 | ng | | 91 |
| 68) Hexachlorobenzene | 11.186 | 284 | 312178 | 40.813 | ng | | 95 |
| 69) Atrazine | 11.269 | 200 | 273898 | 51.819 | ng | | 99 |
| 70) Pentachlorophenol | 11.380 | 266 | 373973 | 83.467 | ng | | 99 |
| 71) Phenanthrene | 11.610 | 178 | 1292715 | 41.560 | ng | | 99 |
| 72) Anthracene | 11.663 | 178 | 1303690 | 42.243 | ng | | 99 |
| 73) Carbazole | 11.816 | 167 | 1171864 | 41.567 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.127 | 149 | 1378707 | 44.067 | ng | | 99 |
| 75) Fluoranthene | 12.804 | 202 | 1305974 | 41.365 | ng | | 99 |
| 77) Benzidine | 12.916 | 184 | 93390 | 20.148 | ng | | 98 |
| 78) Pyrene | 13.033 | 202 | 1300504 | 41.922 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.633 | 149 | 474625 | 50.724 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.221 | 228 | 985696 | 43.927 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.180 | 252 | 212780 | 34.217 | ng | | 99 |
| 83) Chrysene | 14.262 | 228 | 919960 | 42.868 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.186 | 149 | 578936 | 49.219 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.815 | 149 | 800457 | 50.374 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.433 | 276 | 904918 | 45.971 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.327 | 252 | 786048 | 44.310 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.362 | 252 | 809143 | 46.428 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.733 | 252 | 720487 | 47.563 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.456 | 278 | 735752 | 45.239 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.933 | 276 | 701985 | 41.088 | ng | | 99 |

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

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