Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
Data File : BF134704.D
Acq On : 10 Aug 2023 11:38
Operator : CG\JU
Sample : PB154698BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 03:52:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB154698BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.804 | 152 | 204441 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.081 | 136 | 810970 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.839 | 164 | 414747 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.327 | 188 | 751163 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 438824 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.451 | 264 | 421198 | 20.000 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.451 | 112 | 1414758 | 105.193 | ng | | 0.02 |
| 7) Phenol-d6 | 6.451 | 99 | 1791932 | 104.229 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.369 | 82 | 1154256 | 88.946 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.633 | 330 | 554786 | 131.219 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.163 | 172 | 1969078 | 78.939 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.921 | 244 | 2396834 | 96.287 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.634 | 88 | 191862 | 31.006 | ng | # | 93 |
| 3) Pyridine | 3.416 | 79 | 516489 | 30.803 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.357 | 42 | 289281 | 36.107 | ng | # | 57 |
| 6) Aniline | 6.469 | 93 | 730514 | 32.395 | ng | | 91 |
| 8) 2-Chlorophenol | 6.592 | 128 | 623038 | 45.923 | ng | | 94 |
| 9) Benzaldehyde | 6.357 | 77 | 317239 | 37.479 | ng | | 98 |
| 10) Phenol | 6.463 | 94 | 691364 | 40.807 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.545 | 93 | 589327 | 43.788 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.745 | 146 | 622047m | 44.315 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.822 | 146 | 626166 | 44.510 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.969 | 146 | 607357 | 46.336 | ng | | 97 |
| 15) Benzyl Alcohol | 6.951 | 79 | 511051 | 43.089 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081 | 45 | 893885 | 42.394 | ng | | 91 |
| 17) 2-Methylphenol | 7.063 | 107 | 480010 | 40.038 | ng | | 94 |
| 18) Hexachloroethane | 7.310 | 117 | 231389 | 46.864 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.222 | 70 | 398325 | 38.697 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 528275 | 36.538 | ng | # | 85 |
| 22) Acetophenone | 7.216 | 105 | 742890 | 39.680 | ng | # | 93 |
| 24) Nitrobenzene | 7.386 | 77 | 615222 | 43.883 | ng | | 94 |
| 25) Isophorone | 7.628 | 82 | 1158954 | 40.946 | ng | | 100 |
| 26) 2-Nitrophenol | 7.698 | 139 | 326791 | 54.101 | ng | # | 90 |
| 27) 2,4-Dimethylphenol | 7.739 | 122 | 493894 | 39.107 | ng | | 86 |
| 28) bis(2-Chloroethoxy)met... | 7.834 | 93 | 713888 | 42.163 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.945 | 162 | 494675 | 43.157 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.022 | 180 | 546947 | 44.747 | ng | | 97 |
| 31) Naphthalene | 8.104 | 128 | 1674368 | 41.081 | ng | | 99 |
| 32) Benzoic acid | 7.881 | 122 | 425340 | 51.035 | ng | | 92 |
| 33) 4-Chloroaniline | 8.157 | 127 | 542442 | 29.869 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.216 | 225 | 319628 | 45.334 | ng | | 96 |
| 35) Caprolactam | 8.545 | 113 | 169238m | 45.764 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.639 | 107 | 534695 | 44.048 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.798 | 142 | 1082177 | 40.057 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.892 | 142 | 1032908 | 41.116 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 8.963 | 216 | 529118 | 43.872 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 8.945 | 237 | 534647 | 91.161 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 9.075 | 196 | 364666 | 46.201 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.116 | 196 | 393053 | 43.570 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.263 | 154 | 1359414 | 42.150 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.286 | 162 | 1043155 | 43.166 | ng | | 98 |
| 48) 2-Nitroaniline | 9.386 | 65 | 344285 | 45.848 | ng | | 89 |
| 49) Acenaphthylene | 9.704 | 152 | 1608073 | 42.332 | ng | | 99 |
| 50) Dimethylphthalate | 9.569 | 163 | 1243848 | 44.002 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.628 | 165 | 288770 | 49.761 | ng | | 87 |
| 52) Acenaphthene | 9.875 | 154 | 1164493m | 47.304 | ng | | |
| 53) 3-Nitroaniline | 9.798 | 138 | 261825 | 41.555 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 307190 | 113.512 | ng | | 86 |
| 55) Dibenzofuran | 10.045 | 168 | 1435251 | 40.956 | ng | | 96 |
| 56) 4-Nitrophenol | 9.969 | 139 | 472299 | 91.653 | ng | # | 77 |
| 57) 2,4-Dinitrotoluene | 10.033 | 165 | 362454 | 51.585 | ng | | 91 |
| 58) Fluorene | 10.392 | 166 | 1058623 | 41.473 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232 | 338813 | 47.473 | ng | | 96 |
| 60) Diethylphthalate | 10.269 | 149 | 1176611 | 43.913 | ng | | 96 |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204 | 538764 | 42.941 | ng | | 95 |
| 62) 4-Nitroaniline | 10.422 | 138 | 301948 | 48.894 | ng | | 86 |
| 63) Azobenzene | 10.545 | 77 | 1174937 | 40.814 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 203785 | 63.656 | ng | | 87 |
| 66) n-Nitrosodiphenylamine | 10.504 | 169 | 1028576 | 43.021 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.874 | 248 | 378023 | 45.972 | ng | | 96 |
| 68) Hexachlorobenzene | 10.939 | 284 | 431898 | 49.740 | ng | # | 92 |
| 69) Atrazine | 11.039 | 200 | 363218 | 56.363 | ng | | 97 |
| 70) Pentachlorophenol | 11.133 | 266 | 423307 | 78.735 | ng | | 95 |
| 71) Phenanthrene | 11.357 | 178 | 1690148 | 42.361 | ng | | 100 |
| 72) Anthracene | 11.410 | 178 | 1717465 | 42.142 | ng | | 98 |
| 73) Carbazole | 11.563 | 167 | 1543986 | 42.430 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.898 | 149 | 1843468 | 47.685 | ng | | 98 |
| 75) Fluoranthene | 12.545 | 202 | 1766512 | 41.915 | ng | | 95 |
| 77) Benzidine | 12.674 | 184 | 726680 | 76.284 | ng | | 99 |
| 78) Pyrene | 12.774 | 202 | 1769895 | 46.610 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.404 | 149 | 671815 | 52.322 | ng | # | 96 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 1281962 | 40.855 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.933 | 252 | 413786 | 45.494 | ng | # | 99 |
| 83) Chrysene | 14.010 | 228 | 1276123 | 41.744 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149 | 706875 | 46.781 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.580 | 149 | 1262206 | 54.931 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.951 | 276 | 1445206 | 58.341 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 15.021 | 252 | 1159917 | 45.153 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 15.051 | 252 | 1105963 | 43.219 | ng | # | 98 |
| 90) Benzo(a)pyrene | 15.386 | 252 | 1026672 | 42.865 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 16.974 | 278 | 1195914 | 59.738 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 17.409 | 276 | 1175551 | 57.566 | ng | # | 93 |

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

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