Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051024\
Data File : BF137881.D
Acq On : 10 May 2024 15:17
Operator : CG\JU
Sample : PB160847BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB160847BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 05/13/2024
Supervised By :mohammad ahmed 05/13/2024

Quant Time: May 11 00:35:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:25:08 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.051 | 152 | 164207 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.333 | 136 | 662141 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 10.098 | 164 | 382223 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.592 | 188 | 708935 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.245 | 240 | 444978 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.809 | 264 | 360487 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.686 | 112 | 1206166 | 122.983 | ng | 0.01 |
| 7) Phenol-d6 | 6.669 | 99 | 1494682 | 120.152 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.616 | 82 | 919480 | 80.678 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.892 | 330 | 523351 | 134.103 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.410 | 172 | 1955341 | 82.995 | ng | -0.01 |
| 79) Terphenyl-d14 | 13.180 | 244 | 2440208 | 91.902 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.081 | 88 | 154232 | 34.922 | ng | 97 |
| 3) Pyridine | 3.810 | 79 | 386199 | 36.131 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.781 | 42 | 187336 | 38.921 | ng | 94 |
| 6) Aniline | 6.710 | 93 | 391212m | 31.729 | ng | |
| 8) 2-Chlorophenol | 6.833 | 128 | 473933 | 44.342 | ng | 99 |
| 9) Benzaldehyde | 6.604 | 77 | 198392 | 29.614 | ng | 98 |
| 10) Phenol | 6.681 | 94 | 531053 | 41.662 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.781 | 93 | 414830 | 41.562 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.992 | 146 | 503825 | 41.802 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.069 | 146 | 511469 | 42.292 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.222 | 146 | 487109 | 42.764 | ng | 98 |
| 15) Benzyl Alcohol | 7.186 | 79 | 375183 | 43.612 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.310 | 45 | 535243 | 38.152 | ng | 98 |
| 17) 2-Methylphenol | 7.292 | 107 | 380112 | 44.074 | ng | 100 |
| 18) Hexachloroethane | 7.563 | 117 | 176396 | 43.145 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.457 | 70 | 303688 | 40.850 | ng | 96 |
| 20) 3+4-Methylphenols | 7.439 | 107 | 482997 | 42.568 | ng | 95 |
| 22) Acetophenone | 7.457 | 105 | 633741 | 42.556 | ng | 99 |
| 24) Nitrobenzene | 7.633 | 77 | 463276 | 39.440 | ng | 95 |
| 25) Isophorone | 7.869 | 82 | 844915 | 41.118 | ng | 98 |
| 26) 2-Nitrophenol | 7.945 | 139 | 255303 | 47.996 | ng | 93 |
| 27) 2,4-Dimethylphenol | 7.975 | 122 | 345001 | 45.052 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 8.075 | 93 | 511983 | 41.151 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.186 | 162 | 405382 | 43.797 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.275 | 180 | 426261 | 42.244 | ng | 99 |
| 31) Naphthalene | 8.357 | 128 | 1391359 | 42.283 | ng | 100 |
| 32) Benzoic acid | 8.086 | 122 | 284636 | 43.085 | ng | 93 |
| 33) 4-Chloroaniline | 8.398 | 127 | 188031 | 15.410 | ng | 98 |
| 34) Hexachlorobutadiene | 8.469 | 225 | 259651 | 41.913 | ng | 99 |
| 35) Caprolactam | 8.769 | 113 | 134126m | 45.735 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.875 | 107 | 426796 | 44.216 | ng | 95 |
| 37) 2-Methylnaphthalene | 9.051 | 142 | 908479 | 42.652 | ng | 99 |
| 38) 1-Methylnaphthalene | 9.151 | 142 | 853456 | 40.727 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.216 | 216 | 432711 | 42.744 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.198 | 237 | 470204 | 114.353 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.322 | 196 | 295537 | 42.887 | ng | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.363 | 196 | 325274 | 42.748 | ng | 97 |
| 46) 1,1'-Biphenyl | 9.516 | 154 | 1122298 | 42.785 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.545 | 162 | 873080 | 41.226 | ng | 99 |
| 48) 2-Nitroaniline | 9.633 | 65 | 252368 | 43.939 | ng | 99 |
| 49) Acenaphthylene | 9.963 | 152 | 1400623 | 45.719 | ng | 100 |
| 50) Dimethylphthalate | 9.810 | 163 | 1041130 | 43.148 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.874 | 165 | 234692 | 42.560 | ng | 99 |
| 52) Acenaphthene | 10.133 | 154 | 937510 | 46.168 | ng | 99 |
| 53) 3-Nitroaniline | 10.045 | 138 | 161874 | 28.032 | ng | 96 |
| 54) 2,4-Dinitrophenol | 10.151 | 184 | 256901 | 94.815 | ng | 89 |
| 55) Dibenzofuran | 10.304 | 168 | 1265525 | 42.826 | ng | 98 |
| 56) 4-Nitrophenol | 10.204 | 139 | 397017 | 82.953 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 10.280 | 165 | 330241 | 45.841 | ng | 99 |
| 58) Fluorene | 10.651 | 166 | 1012457 | 43.050 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.416 | 232 | 274367 | 44.414 | ng | 99 |
| 60) Diethylphthalate | 10.516 | 149 | 1000297 | 43.649 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.639 | 204 | 490338 | 42.315 | ng | 99 |
| 62) 4-Nitroaniline | 10.669 | 138 | 241829 | 41.287 | ng | 95 |
| 63) Azobenzene | 10.798 | 77 | 929130 | 41.949 | ng | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.692 | 198 | 182663 | 44.891 | ng | 80 |
| 66) n-Nitrosodiphenylamine | 10.757 | 169 | 886256 | 41.763 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 11.133 | 248 | 322966 | 42.567 | ng | 95 |
| 68) Hexachlorobenzene | 11.198 | 284 | 354730 | 42.783 | ng | 96 |
| 69) Atrazine | 11.280 | 200 | 309458 | 47.826 | ng | 98 |
| 70) Pentachlorophenol | 11.392 | 266 | 445550 | 78.272 | ng | 99 |
| 71) Phenanthrene | 11.621 | 178 | 1495439 | 43.277 | ng | 99 |
| 72) Anthracene | 11.674 | 178 | 1527840 | 44.438 | ng | 100 |
| 73) Carbazole | 11.821 | 167 | 1402166 | 42.317 | ng | 100 |
| 74) Di-n-butylphthalate | 12.139 | 149 | 1609118 | 44.518 | ng | 99 |
| 75) Fluoranthene | 12.815 | 202 | 1565026 | 41.433 | ng | 98 |
| 77) Benzidine | 12.927 | 184 | 339917 | 33.029 | ng | 99 |
| 78) Pyrene | 13.045 | 202 | 1577530 | 44.713 | ng | 100 |
| 80) Butylbenzylphthalate | 13.651 | 149 | 582028 | 51.994 | ng | 96 |
| 81) Benzo(a)anthracene | 14.233 | 228 | 1259404 | 44.251 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.192 | 252 | 266341 | 31.260 | ng | 98 |
| 83) Chrysene | 14.274 | 228 | 1170176 | 43.912 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.204 | 149 | 740624 | 52.497 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.833 | 149 | 983815 | 51.817 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.450 | 276 | 1030999 | 50.305 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.339 | 252 | 971544 | 43.317 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.374 | 252 | 944942 | 43.590 | ng | 99 |
| 90) Benzo(a)pyrene | 15.745 | 252 | 871220 | 47.613 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.474 | 278 | 831740 | 49.858 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.956 | 276 | 801400 | 45.825 | ng | 99 |

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

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