Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111124\
Data File : BF140322.D
Acq On : 11 Nov 2024 17:32
Operator : RC/JU
Sample : PB164848BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 12 00:44:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 12 00:05:37 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB164848BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/13/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 143737 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 548092 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 305048 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 567727 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.062 | 240 | 350730 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 291643 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 1072035 | 128.855 | ng | | 0.02 |
| 7) Phenol-d6 | 6.504 | 99 | 1419234 | 128.378 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 939780 | 89.013 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 389575 | 131.454 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 1683154 | 87.113 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 1842365 | 90.074 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.763 | 88 | 150996 | 40.356 | ng | | 99 |
| 3) Pyridine | 3.516 | 79 | 392414 | 43.521 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.469 | 42 | 218885 | 46.275 | ng | | 100 |
| 6) Aniline | 6.539 | 93 | 373603 | 38.304 | ng | | 96 |
| 8) 2-Chlorophenol | 6.663 | 128 | 428375 | 48.498 | ng | | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 60122 | 9.101 | ng | | 99 |
| 10) Phenol | 6.522 | 94 | 541662 | 46.190 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 419896 | 46.723 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 439131 | 44.101 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 445889 | 44.416 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 429446 | 46.283 | ng | | 98 |
| 15) Benzyl Alcohol | 7.016 | 79 | 399698 | 48.894 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 596968 | 48.535 | ng | | 96 |
| 17) 2-Methylphenol | 7.128 | 107 | 345732 | 47.699 | ng | | 98 |
| 18) Hexachloroethane | 7.386 | 117 | 169365 | 45.017 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.286 | 70 | 311782 | 46.308 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 423763 | 46.667 | ng | # | 86 |
| 22) Acetophenone | 7.286 | 105 | 568756 | 44.677 | ng | # | 95 |
| 24) Nitrobenzene | 7.457 | 77 | 482556 | 43.666 | ng | | 99 |
| 25) Isophorone | 7.692 | 82 | 855875 | 46.539 | ng | | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 225438 | 47.689 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 349832 | 56.618 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 516097 | 45.858 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 356027 | 46.928 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 369100 | 43.146 | ng | | 99 |
| 31) Naphthalene | 8.180 | 128 | 1229241 | 44.745 | ng | | 99 |
| 32) Benzoic acid | 7.928 | 122 | 240616 | 45.162 | ng | | 100 |
| 33) 4-Chloroaniline | 8.228 | 127 | 238517 | 25.099 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 239686 | 43.483 | ng | | 99 |
| 35) Caprolactam | 8.598 | 113 | 114614m | 46.535 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 394411 | 47.156 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 806167 | 46.111 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 750920 | 43.989 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.033 | 216 | 372354 | 43.523 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 392614 | 184.347 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 265194 | 47.523 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 272470 | 45.074 | ng | 98 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 996570 | 44.552 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 747739 | 43.685 | ng | 99 |
| 48) 2-Nitroaniline | 9.457 | 65 | 268203 | 47.291 | ng | 98 |
| 49) Acenaphthylene | 9.780 | 152 | 1238788 | 48.160 | ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 912131 | 46.044 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 199707 | 44.802 | ng | 98 |
| 52) Acenaphthene | 9.951 | 154 | 869434 | 49.907 | ng | 100 |
| 53) 3-Nitroaniline | 9.869 | 138 | 123877 | 26.265 | ng | 96 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 212214 | 94.095 | ng | 96 |
| 55) Dibenzofuran | 10.122 | 168 | 1125367 | 46.265 | ng | 100 |
| 56) 4-Nitrophenol | 10.033 | 139 | 330633 | 98.227 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 274078 | 46.691 | ng | 98 |
| 58) Fluorene | 10.463 | 166 | 867392 | 45.393 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 232814 | 48.411 | ng | 99 |
| 60) Diethylphthalate | 10.339 | 149 | 919792 | 45.588 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 422614 | 44.433 | ng | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 205438 | 43.520 | ng | 99 |
| 63) Azobenzene | 10.616 | 77 | 927390 | 46.039 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198 | 142523 | 47.976 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.574 | 169 | 780825 | 47.166 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 255911 | 44.988 | ng | 98 |
| 68) Hexachlorobenzene | 11.016 | 284 | 291789 | 45.799 | ng | 99 |
| 69) Atrazine | 11.104 | 200 | 257549 | 62.451 | ng | 100 |
| 70) Pentachlorophenol | 11.210 | 266 | 320628 | 89.988 | ng | 98 |
| 71) Phenanthrene | 11.433 | 178 | 1249485 | 46.834 | ng | 100 |
| 72) Anthracene | 11.480 | 178 | 1277842 | 48.992 | ng | 100 |
| 73) Carbazole | 11.633 | 167 | 1182361 | 46.291 | ng | 100 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 1443728 | 47.230 | ng | 99 |
| 75) Fluoranthene | 12.621 | 202 | 1366137 | 46.769 | ng | 99 |
| 77) Benzidine | 12.739 | 184 | 302037 | 24.576 | ng | 100 |
| 78) Pyrene | 12.851 | 202 | 1383030 | 44.791 | ng | 100 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 582423 | 49.563 | ng | 98 |
| 81) Benzo(a)anthracene | 14.051 | 228 | 1117955 | 48.686 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.010 | 252 | 238211 | 32.394 | ng | 100 |
| 83) Chrysene | 14.092 | 228 | 959223 | 45.641 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149 | 785242 | 50.211 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.680 | 149 | 1204576 | 52.362 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.092 | 276 | 882132 | 49.056 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.139 | 252 | 875571 | 47.700 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.174 | 252 | 771209 | 49.968 | ng | 99 |
| 90) Benzo(a)pyrene | 15.515 | 252 | 758083 | 51.141 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.109 | 278 | 723812 | 48.983 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.545 | 276 | 674425 | 44.215 | ng | 99 |

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

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