Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
Data File : BF140178.D
Acq On : 31 Oct 2024 10:15
Operator : RC/JU
Sample : PB164540BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 12:10:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB164540BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 149764 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 588319 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.934 | 164 | 343514 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.428 | 188 | 638189 | 20.000 | ng | | 0.01 |
| 76) Chrysene-d12 | 14.092 | 240 | 408760 | 20.000 | ng | | 0.04 |
| 86) Perylene-d12 | 15.615 | 264 | 343987 | 20.000 | ng | | 0.09 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 909411 | 95.061 | ng | | 0.02 |
| 7) Phenol-d6 | 6.516 | 99 | 1172309 | 94.615 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 798703 | 75.243 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.728 | 330 | 387013 | 120.448 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1477734 | 71.096 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.022 | 244 | 1759884 | 70.156 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.769 | 88 | 113749 | 25.502 | ng | | 98 |
| 3) Pyridine | 3.516 | 79 | 286326 | 25.898 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.475 | 42 | 195354 | 32.887 | ng | | 92 |
| 6) Aniline | 6.551 | 93 | 385036 | 33.344 | ng | | 99 |
| 8) 2-Chlorophenol | 6.675 | 128 | 355629 | 36.363 | ng | | 98 |
| 9) Benzaldehyde | 6.440 | 77 | 62537 | 8.972 | ng | | 98 |
| 10) Phenol | 6.534 | 94 | 440337m | 34.472 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 342938 | 34.734 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 378473 | 33.712 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 381982 | 34.057 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 367763 | 35.132 | ng | | 99 |
| 15) Benzyl Alcohol | 7.028 | 79 | 341566 | 37.581 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 565941 | 33.617 | ng | | 96 |
| 17) 2-Methylphenol | 7.134 | 107 | 298820 | 35.832 | ng | | 97 |
| 18) Hexachloroethane | 7.398 | 117 | 141896 | 35.477 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 265745 | 35.363 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 369008 | 34.594 | ng | # | 85 |
| 22) Acetophenone | 7.298 | 105 | 498653 | 34.605 | ng | | 99 |
| 24) Nitrobenzene | 7.469 | 77 | 407175 | 34.986 | ng | | 99 |
| 25) Isophorone | 7.710 | 82 | 732113 | 36.338 | ng | | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 190854 | 43.469 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 301422 | 41.172 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 426467 | 34.938 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 308490 | 36.994 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 314619 | 34.098 | ng | | 99 |
| 31) Naphthalene | 8.192 | 128 | 1061127 | 34.972 | ng | | 100 |
| 32) Benzoic acid | 7.940 | 122 | 229900 | 36.004 | ng | | 99 |
| 33) 4-Chloroaniline | 8.234 | 127 | 209860 | 20.284 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 208389 | 35.945 | ng | | 99 |
| 35) Caprolactam | 8.616 | 113 | 96843m | 36.524 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 350066 | 37.913 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 675332 | 36.342 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 641523 | 35.187 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 327707 | 35.361 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.034 | 237 | 419426 | 130.069 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 250539 | 38.185 | ng | | 99 |

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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 | 9.210 | 196 | 240421 | 35.516 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.351 | 154 | 835336 | 34.931 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.375 | 162 | 665137 | 34.534 | ng | | 99 |
| 48) 2-Nitroaniline | 9.469 | 65 | 243003 | 41.252 | ng | | 100 |
| 49) Acenaphthylene | 9.792 | 152 | 1043569 | 37.478 | ng | | 99 |
| 50) Dimethylphthalate | 9.657 | 163 | 806826 | 37.708 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.716 | 165 | 179607 | 38.768 | ng | | 99 |
| 52) Acenaphthene | 9.969 | 154 | 755838 | 41.962 | ng | | 98 |
| 53) 3-Nitroaniline | 9.886 | 138 | 134444 | 28.141 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.998 | 184 | 219749 | 111.377 | ng | # | 1 |
| 55) Dibenzofuran | 10.139 | 168 | 926029 | 35.832 | ng | | 98 |
| 56) 4-Nitrophenol | 10.051 | 139 | 297191 | 80.854 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 10.128 | 165 | 244383 | 42.896 | ng | | 95 |
| 58) Fluorene | 10.486 | 166 | 727555 | 36.962 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.257 | 232 | 205849 | 38.790 | ng | | 99 |
| 60) Diethylphthalate | 10.363 | 149 | 795973 | 37.888 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.475 | 204 | 364593 | 36.677 | ng | | 98 |
| 62) 4-Nitroaniline | 10.510 | 138 | 193417 | 42.865 | ng | | 95 |
| 63) Azobenzene | 10.639 | 77 | 809448 | 36.343 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.539 | 198 | 146695 | 56.353 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.598 | 169 | 678341 | 35.514 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.969 | 248 | 236140 | 35.917 | ng | | 98 |
| 68) Hexachlorobenzene | 11.033 | 284 | 265113 | 35.854 | ng | | 99 |
| 69) Atrazine | 11.128 | 200 | 233794 | 45.185 | ng | | 98 |
| 70) Pentachlorophenol | 11.233 | 266 | 331054 | 73.771 | ng | | 99 |
| 71) Phenanthrene | 11.457 | 178 | 1087142 | 36.063 | ng | | 100 |
| 72) Anthracene | 11.504 | 178 | 1108125 | 37.675 | ng | | 100 |
| 73) Carbazole | 11.657 | 167 | 993450 | 36.318 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.986 | 149 | 1253855 | 39.675 | ng | | 100 |
| 75) Fluoranthene | 12.645 | 202 | 1159597 | 38.051 | ng | | 99 |
| 77) Benzidine | 12.769 | 184 | 439202 | 65.344 | ng | | 99 |
| 78) Pyrene | 12.874 | 202 | 1177466 | 32.908 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.498 | 149 | 491798 | 45.847 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.080 | 228 | 955949 | 35.926 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.039 | 252 | 209783 | 27.040 | ng | | 100 |
| 83) Chrysene | 14.121 | 228 | 917850 | 37.621 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149 | 652028 | 54.177 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.710 | 149 | 1017141 | 46.465 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.157 | 276 | 730882 | 33.027 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.174 | 252 | 752340 | 35.904 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.204 | 252 | 718371 | 39.752 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.551 | 252 | 667766 | 38.729 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.180 | 278 | 599184 | 32.457 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.627 | 276 | 549722 | 29.811 | ng | | 97 |

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

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