Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139849.D
Acq On : 18 Oct 2024 12:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 18 14:19:35 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 14:11:20 2024
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.892 | 152 | 197235 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.175 | 136 | 739665 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.927 | 164 | 405194 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.416 | 188 | 694873 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 349496 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 390757 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 1162820 | 92.295 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 1517079 | 92.972 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.457 | 82 | 1310450 | 98.193 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 362330 | 95.600 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.251 | 172 | 2204460 | 89.915 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 2015874 | 93.988 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.687 | 88 | 281572 | 47.933 | ng | | 99 |
| 3) Pyridine | 3.446 | 79 | 683175 | 46.920 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.404 | 42 | 385387 | 49.264 | ng | | 97 |
| 6) Aniline | 6.557 | 93 | 725204 | 47.686 | ng | | 98 |
| 8) 2-Chlorophenol | 6.675 | 128 | 597810 | 46.414 | ng | | 98 |
| 9) Benzaldehyde | 6.439 | 77 | 430623 | 46.911 | ng | | 100 |
| 10) Phenol | 6.528 | 94 | 780406m | 45.569 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.628 | 93 | 617014 | 47.453 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.834 | 146 | 686600 | 46.439 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.910 | 146 | 686616 | 46.483 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.063 | 146 | 627851 | 45.543 | ng | | 99 |
| 15) Benzyl Alcohol | 7.028 | 79 | 569012 | 47.538 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169 | 45 | 1043921 | 47.084 | ng | | 100 |
| 17) 2-Methylphenol | 7.134 | 107 | 519035 | 47.259 | ng | | 99 |
| 18) Hexachloroethane | 7.404 | 117 | 250100 | 47.480 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.310 | 70 | 454173 | 45.892 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 645650 | 45.961 | ng | # | 88 |
| 22) Acetophenone | 7.304 | 105 | 835908 | 46.140 | ng | | 97 |
| 24) Nitrobenzene | 7.475 | 77 | 707970 | 48.385 | ng | | 100 |
| 25) Isophorone | 7.710 | 82 | 1205277 | 47.583 | ng | | 99 |
| 26) 2-Nitrophenol | 7.786 | 139 | 292634 | 53.013 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 439040 | 47.699 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.922 | 93 | 728968 | 47.500 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 502930 | 47.971 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.116 | 180 | 550757 | 47.476 | ng | | 99 |
| 31) Naphthalene | 8.198 | 128 | 1770616 | 46.415 | ng | | 100 |
| 32) Benzoic acid | 7.933 | 122 | 426532 | 53.131 | ng | | 100 |
| 33) 4-Chloroaniline | 8.245 | 127 | 613822 | 47.189 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.316 | 225 | 343002 | 47.058 | ng | | 100 |
| 35) Caprolactam | 8.616 | 113 | 162260 | 48.675 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 553487 | 47.678 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.886 | 142 | 1085491 | 46.462 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.986 | 142 | 1052879 | 45.933 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 518960 | 47.474 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.039 | 237 | 188234 | 49.488 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 367373 | 47.468 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 385963 | 48.336 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.351 | 154 | 1301562 | 46.143 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.375 | 162 | 1061417 | 46.720 | ng | | 99 |
| 48) 2-Nitroaniline | 9.469 | 65 | 358283 | 51.564 | ng | | 97 |
| 49) Acenaphthylene | 9.792 | 152 | 1526583 | 46.479 | ng | | 99 |
| 50) Dimethylphthalate | 9.651 | 163 | 1187472 | 47.050 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 277023 | 50.693 | ng | | 99 |
| 52) Acenaphthene | 9.963 | 154 | 989603 | 46.576 | ng | | 100 |
| 53) 3-Nitroaniline | 9.880 | 138 | 279467 | 49.591 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 102786 | 48.105 | ng | # | 18 |
| 55) Dibenzofuran | 10.133 | 168 | 1407211 | 46.162 | ng | | 99 |
| 56) 4-Nitrophenol | 10.022 | 139 | 221410 | 51.068 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 348628 | 51.878 | ng | | 97 |
| 58) Fluorene | 10.480 | 166 | 1042268 | 44.889 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 300306 | 47.975 | ng | | 99 |
| 60) Diethylphthalate | 10.351 | 149 | 1180411 | 47.634 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204 | 532654 | 45.427 | ng | | 98 |
| 62) 4-Nitroaniline | 10.492 | 138 | 266320 | 50.037 | ng | | 99 |
| 63) Azobenzene | 10.633 | 77 | 1231644 | 46.881 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 156461 | 55.202 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.586 | 169 | 987295 | 47.472 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248 | 341790 | 47.746 | ng | | 97 |
| 68) Hexachlorobenzene | 11.027 | 284 | 376968 | 46.823 | ng | | 98 |
| 69) Atrazine | 11.110 | 200 | 234998 | 41.713 | ng | | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 252064 | 51.587 | ng | | 98 |
| 71) Phenanthrene | 11.439 | 178 | 1500010 | 45.700 | ng | | 99 |
| 72) Anthracene | 11.492 | 178 | 1478655 | 46.172 | ng | | 99 |
| 73) Carbazole | 11.645 | 167 | 1348098 | 45.263 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.974 | 149 | 1602928 | 46.583 | ng | | 100 |
| 75) Fluoranthene | 12.627 | 202 | 1462936 | 44.089 | ng | | 99 |
| 77) Benzidine | 12.745 | 184 | 240940 | 42.388 | ng | | 99 |
| 78) Pyrene | 12.857 | 202 | 1471893 | 48.113 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.474 | 149 | 467242 | 50.944 | ng | | 100 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 1107235 | 48.667 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 326706 | 49.251 | ng | | 98 |
| 83) Chrysene | 14.080 | 228 | 990517 | 47.484 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149 | 541828 | 52.655 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.651 | 149 | 1033054 | 55.195 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.027 | 276 | 1268552 | 50.463 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 1079928 | 45.369 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 1006425 | 49.026 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.468 | 252 | 951346 | 48.573 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.045 | 278 | 1058119 | 50.456 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.480 | 276 | 1055618 | 50.394 | ng | | 99 |

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

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