Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122821\
Data File : BF126378.D
Acq On : 28 Dec 2021 13:07
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Dec 28 14:59:05 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.810 | 152 | 147822 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.092 | 136 | 528888 | 20.000 | ng | | #-0.01 |
| 39) Acenaphthene-d10 | 9.851 | 164 | 213848 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.333 | 188 | 355594 | 20.000 | ng | | # 0.00 |
| 76) Chrysene-d12 | 13.974 | 240 | 173430 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.421 | 264 | 220185 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.416 | 112 | 645443 | 64.301 | ng | | -0.01 |
| 7) Phenol-d6 | 6.440 | 99 | 981498 | 77.007 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.375 | 82 | 828357 | 84.825 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.639 | 330 | 169452 | 98.600 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.175 | 172 | 1085277 | 89.009 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.922 | 244 | 873185 | 87.511 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.528 | 88 | 210815 | 43.025 | ng | # | 100 |
| 3) Pyridine | 3.257 | 79 | 547704 | 42.092 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.205 | 42 | 195143 | 39.021 | ng | # | 1 |
| 6) Aniline | 6.475 | 93 | 630056 | 38.917 | ng | | 96 |
| 8) 2-Chlorophenol | 6.598 | 128 | 424180 | 41.671 | ng | | 92 |
| 9) Benzaldehyde | 6.357 | 77 | 259542 | 33.746 | ng | | 94 |
| 10) Phenol | 6.457 | 94 | 541230 | 37.830 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.545 | 93 | 453825 | 40.866 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.751 | 146 | 424534 | 41.345 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.828 | 146 | 425897 | 41.073 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.987 | 146 | 341486 | 35.618 | ng | | 97 |
| 15) Benzyl Alcohol | 6.951 | 79 | 314952 | 33.849 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093 | 45 | 650639 | 35.802 | ng | | 93 |
| 17) 2-Methylphenol | 7.063 | 107 | 320043 | 35.890 | ng | | 97 |
| 18) Hexachloroethane | 7.328 | 117 | 151884 | 37.238 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.228 | 70 | 263768 | 33.711 | ng | # | 73 |
| 20) 3+4-Methylphenols | 7.216 | 107 | 376342 | 35.699 | ng | # | 85 |
| 22) Acetophenone | 7.222 | 105 | 493552 | 40.548 | ng | | 93 |
| 24) Nitrobenzene | 7.393 | 77 | 415816 | 42.654 | ng | | 89 |
| 25) Isophorone | 7.634 | 82 | 721998 | 39.152 | ng | # | 87 |
| 26) 2-Nitrophenol | 7.710 | 139 | 196960 | 44.818 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 7.751 | 122 | 299820 | 40.173 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.845 | 93 | 486282 | 40.108 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 7.951 | 162 | 285236 | 42.996 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.040 | 180 | 287850 | 41.949 | ng | | 99 |
| 31) Naphthalene | 8.116 | 128 | 1046484 | 42.310 | ng | | 98 |
| 32) Benzoic acid | 7.881 | 122 | 216591 | 33.687 | ng | | 91 |
| 33) 4-Chloroaniline | 8.163 | 127 | 434663 | 42.089 | ng | # | 95 |
| 34) Hexachlorobutadiene | 8.240 | 225 | 148051 | 43.930 | ng | | 98 |
| 35) Caprolactam | 8.528 | 113 | 67828 | 41.140 | ng | | 86 |
| 36) 4-Chloro-3-methylphenol | 8.645 | 107 | 326967 | 41.782 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.810 | 142 | 628923 | 41.290 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.910 | 142 | 609288 | 41.218 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 8.975 | 216 | 225283 | 48.811 | ng | # | 96 |
| 41) Hexachlorocyclopentadiene | 8.963 | 237 | 135996 | 51.455 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 9.087 | 196 | 170298 | 46.905 | ng | | 92 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.128 | 196 | 182928 | 48.653 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.275 | 154 | 746721 | 47.225 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.298 | 162 | 560450 | 47.109 | ng | | 97 |
| 48) 2-Nitroaniline | 9.392 | 65 | 206284 | 47.505 | ng | | 91 |
| 49) Acenaphthylene | 9.710 | 152 | 798385 | 43.919 | ng | | 98 |
| 50) Dimethylphthalate | 9.575 | 163 | 612944 | 45.248 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.634 | 165 | 129839 | 44.283 | ng | | 89 |
| 52) Acenaphthene | 9.886 | 154 | 534016 | 45.298 | ng | | 98 |
| 53) 3-Nitroaniline | 9.804 | 138 | 153315 | 41.140 | ng | # | 79 |
| 54) 2,4-Dinitrophenol | 9.910 | 184 | 66719 | 55.265 | ng | # | 77 |
| 55) Dibenzofuran | 10.057 | 168 | 716160 | 44.619 | ng | | 99 |
| 56) 4-Nitrophenol | 9.963 | 139 | 129500 | 48.108 | ng | # | 82 |
| 57) 2,4-Dinitrotoluene | 10.039 | 165 | 168508 | 45.054 | ng | # | 95 |
| 58) Fluorene | 10.398 | 166 | 515346 | 44.351 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232 | 128495 | 46.092 | ng | # | 98 |
| 60) Diethylphthalate | 10.275 | 149 | 574053 | 42.169 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.392 | 204 | 235185 | 44.953 | ng | | 94 |
| 62) 4-Nitroaniline | 10.416 | 138 | 157181 | 50.279 | ng | # | 75 |
| 63) Azobenzene | 10.551 | 77 | 646654 | 39.218 | ng | | 85 |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198 | 95387 | 49.124 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.510 | 169 | 476876 | 41.786 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.881 | 248 | 134251 | 40.227 | ng | | 93 |
| 68) Hexachlorobenzene | 10.951 | 284 | 152706 | 39.785 | ng | # | 82 |
| 69) Atrazine | 11.033 | 200 | 82169 | 39.289 | ng | | 96 |
| 70) Pentachlorophenol | 11.139 | 266 | 82472 | 38.730 | ng | | 93 |
| 71) Phenanthrene | 11.363 | 178 | 770380 | 41.975 | ng | | 98 |
| 72) Anthracene | 11.410 | 178 | 781770 | 42.438 | ng | | 99 |
| 73) Carbazole | 11.563 | 167 | 725981 | 41.847 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.898 | 149 | 899354 | 40.894 | ng | | 100 |
| 75) Fluoranthene | 12.545 | 202 | 717037 | 43.362 | ng | | 91 |
| 77) Benzidine | 12.669 | 184 | 152252 | 55.684 | ng | | 98 |
| 78) Pyrene | 12.775 | 202 | 713469 | 44.778 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.398 | 149 | 256237 | 34.174 | ng | # | 83 |
| 81) Benzo(a)anthracene | 13.963 | 228 | 414766 | 40.374 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.927 | 252 | 198573 | 42.310 | ng | | 99 |
| 83) Chrysene | 14.004 | 228 | 425061 | 39.823 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149 | 288265 | 34.405 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 556931 | 37.287 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 16.857 | 276 | 671198 | 45.701 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 15.004 | 252 | 476325 | 36.004 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.033 | 252 | 492976 | 38.952 | ng | # | 95 |
| 90) Benzo(a)pyrene | 15.363 | 252 | 459355 | 41.776 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 16.874 | 278 | 548730 | 45.962 | ng | | 95 |
| 92) Benzo(g,h,i)perylene | 17.292 | 276 | 578401 | 46.825 | ng | | 93 |

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

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