Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126304.D
Acq On : 21 Dec 2021 19:12
Operator : JU/CG
Sample : M5018-69MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP9MSD

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

Quant Time: Dec 22 05:21:50 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.816 | 152 | 186128 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.104 | 136 | 838308 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.857 | 164 | 399678 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.339 | 188 | 624703 | 20.000 | ng | | # 0.00 |
| 76) Chrysene-d12 | 13.980 | 240 | 349013 | 20.000 | ng | | # 0.01 |
| 86) Perylene-d12 | 15.421 | 264 | 291077 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.439 | 112 | 1188735 | 94.053 | ng | | 0.02 |
| 7) Phenol-d6 | 6.451 | 99 | 1561582 | 97.305 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.380 | 82 | 1030831 | 66.597 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.651 | 330 | 316826 | 98.638 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.180 | 172 | 1422926 | 62.441 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.927 | 244 | 1237303 | 61.619 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.657 | 88 | 277114 | 44.916 | ng | # | 100 |
| 3) Pyridine | 3.387 | 79 | 622845 | 38.015 | ng | # | 77 |
| 4) n-Nitrosodimethylamine | 3.340 | 42 | 315849 | 50.160 | ng | # | 4 |
| 6) Aniline | 6.481 | 93 | 808717 | 39.672 | ng | | 96 |
| 8) 2-Chlorophenol | 6.604 | 128 | 664559 | 51.850 | ng | | 88 |
| 9) Benzaldehyde | 6.363 | 77 | 481830 | 49.754 | ng | | 94 |
| 10) Phenol | 6.463 | 94 | 885965 | 49.181 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.557 | 93 | 699450 | 50.021 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.757 | 146 | 611120 | 47.267 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.833 | 146 | 613701 | 47.005 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 6.986 | 146 | 597744 | 49.516 | ng | | 96 |
| 15) Benzyl Alcohol | 6.963 | 79 | 578298 | 49.361 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098 | 45 | 1136569 | 49.669 | ng | | 93 |
| 17) 2-Methylphenol | 7.075 | 107 | 547697 | 48.779 | ng | | 98 |
| 18) Hexachloroethane | 7.333 | 117 | 253243 | 49.311 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.239 | 70 | 464810 | 47.179 | ng | # | 72 |
| 20) 3+4-Methylphenols | 7.228 | 107 | 603408 | 45.458 | ng | # | 80 |
| 22) Acetophenone | 7.233 | 105 | 854196 | 44.274 | ng | | 97 |
| 24) Nitrobenzene | 7.404 | 77 | 724524 | 46.889 | ng | | 95 |
| 25) Isophorone | 7.645 | 82 | 1369882 | 46.866 | ng | # | 90 |
| 26) 2-Nitrophenol | 7.716 | 139 | 357755 | 51.359 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 7.757 | 122 | 601675 | 50.863 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.851 | 93 | 881025 | 45.844 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 7.963 | 162 | 502053 | 47.746 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.045 | 180 | 490660 | 45.112 | ng | | 97 |
| 31) Naphthalene | 8.127 | 128 | 1788224 | 45.614 | ng | | 98 |
| 32) Benzoic acid | 7.898 | 122 | 476377 | 46.745 | ng | | 91 |
| 33) 4-Chloroaniline | 8.169 | 127 | 394588 | 24.105 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.245 | 225 | 242099 | 45.322 | ng | | 98 |
| 35) Caprolactam | 8.557 | 113 | 196762m | 75.294 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.657 | 107 | 603090 | 48.622 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.816 | 142 | 1172364 | 48.559 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.916 | 142 | 1075620 | 45.908 | ng | | 96 |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 376250 | 43.617 | ng | # | 95 |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 443817 | 89.846 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 9.092 | 196 | 297022 | 43.772 | ng | | 93 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.133 | 196 | 321308 | 45.724 | ng | # | 92 |
| 46) 1,1'-Biphenyl | 9.280 | 154 | 1327194 | 44.910 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.304 | 162 | 979601 | 44.057 | ng | | 96 |
| 48) 2-Nitroaniline | 9.398 | 65 | 391144 | 48.196 | ng | | 88 |
| 49) Acenaphthylene | 9.722 | 152 | 1537820 | 45.263 | ng | | 97 |
| 50) Dimethylphthalate | 9.586 | 163 | 1154063 | 45.583 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 9.645 | 165 | 261751 | 47.766 | ng | # | 83 |
| 52) Acenaphthene | 9.892 | 154 | 1095720m | 49.730 | ng | | |
| 53) 3-Nitroaniline | 9.810 | 138 | 221002 | 31.730 | ng | # | 75 |
| 54) 2,4-Dinitrophenol | 9.921 | 184 | 281964 | 124.965 | ng | # | 86 |
| 55) Dibenzofuran | 10.069 | 168 | 1301063 | 43.371 | ng | | 98 |
| 56) 4-Nitrophenol | 9.980 | 139 | 480496 | 95.506 | ng | # | 78 |
| 57) 2,4-Dinitrotoluene | 10.051 | 165 | 341407 | 48.840 | ng | # | 97 |
| 58) Fluorene | 10.410 | 166 | 913903 | 42.082 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232 | 238048 | 45.688 | ng | # | 99 |
| 60) Diethylphthalate | 10.286 | 149 | 1113290 | 43.756 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204 | 408293 | 41.756 | ng | | 98 |
| 62) 4-Nitroaniline | 10.427 | 138 | 306263 | 52.418 | ng | # | 72 |
| 63) Azobenzene | 10.563 | 77 | 1339335 | 43.461 | ng | | 85 |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198 | 173599 | 50.890 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.521 | 169 | 865947 | 43.192 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248 | 265745 | 45.326 | ng | | 97 |
| 68) Hexachlorobenzene | 10.957 | 284 | 310013 | 45.975 | ng | # | 86 |
| 69) Atrazine | 11.051 | 200 | 265762 | 72.334 | ng | | 96 |
| 70) Pentachlorophenol | 11.151 | 266 | 310461 | 82.991 | ng | | 90 |
| 71) Phenanthrene | 11.368 | 178 | 1408175 | 43.674 | ng | | 97 |
| 72) Anthracene | 11.421 | 178 | 1422692 | 43.961 | ng | | 98 |
| 73) Carbazole | 11.574 | 167 | 1317881 | 43.242 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.910 | 149 | 1687577 | 43.679 | ng | | 100 |
| 75) Fluoranthene | 12.557 | 202 | 1324752 | 45.602 | ng | | 93 |
| 77) Benzidine | 12.674 | 184 | 517992 | 94.140 | ng | | 98 |
| 78) Pyrene | 12.786 | 202 | 1356269 | 42.298 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.404 | 149 | 669133 | 44.346 | ng | # | 79 |
| 81) Benzo(a)anthracene | 13.968 | 228 | 841618 | 40.710 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.933 | 252 | 293491 | 31.074 | ng | # | 98 |
| 83) Chrysene | 14.009 | 228 | 927682 | 43.188 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 13.962 | 149 | 740878 | 43.940 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.574 | 149 | 1378008 | 45.845 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.856 | 276 | 877553 | 45.199 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 15.009 | 252 | 898666 | 51.383 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.039 | 252 | 836948 | 50.024 | ng | # | 95 |
| 90) Benzo(a)pyrene | 15.368 | 252 | 827489 | 56.927 | ng | # | 95 |
| 91) Dibenzo(a,h)anthracene | 16.880 | 278 | 739258 | 46.840 | ng | # | 94 |
| 92) Benzo(g,h,i)perylene | 17.292 | 276 | 740472 | 45.346 | ng | | 92 |

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

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