Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092821\
Data File : BF125688.D
Acq On : 28 Sep 2021 14:30
Operator : JU/CG
Sample : PB139432BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB139432BSD

**Manual Integrations APPROVED**
mohammad
9/29/2021 12:55:01 PM

Quant Time: Sep 28 15:16:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 24 15:38:32 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.892 | 152 | 339868 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.175 | 136 | 1452185 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 9.927 | 164 | 775508 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 1184530 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 620586 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.521 | 264 | 696569 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 2432537 | 117.921 | ng | 0.02 |
| 7) Phenol-d6 | 6.522 | 99 | 3064251 | 110.490 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.457 | 82 | 1868650 | 89.754 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.721 | 330 | 825210 | 114.128 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.251 | 172 | 3255271 | 73.635 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 2579489 | 71.981 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.763 | 88 | 306486 | 34.911 | ng | # 100 |
| 3) Pyridine | 3.510 | 79 | 719402 | 30.981 | ng | # 71 |
| 4) n-Nitrosodimethylamine | 3.469 | 42 | 373092 | 43.302 | ng | # 1 |
| 6) Aniline | 6.551 | 93 | 1333877 | 41.655 | ng | 94 |
| 8) 2-Chlorophenol | 6.675 | 128 | 1061831 | 45.378 | ng | 98 |
| 9) Benzaldehyde | 6.439 | 77 | 575918 | 47.092 | ng | 94 |
| 10) Phenol | 6.534 | 94 | 1186325m | 42.317 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.628 | 93 | 963321 | 44.217 | ng | 95 |
| 12) 1,3-Dichlorobenzene | 6.833 | 146 | 1042722 | 40.356 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 6.910 | 146 | 1063376 | 40.452 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.063 | 146 | 1039099 | 41.896 | ng | 99 |
| 15) Benzyl Alcohol | 7.033 | 79 | 804755 | 41.834 | ng | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45 | 1194329 | 43.068 | ng | 87 |
| 17) 2-Methylphenol | 7.139 | 107 | 862848 | 44.967 | ng | 96 |
| 18) Hexachloroethane | 7.404 | 117 | 380520 | 44.596 | ng | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.310 | 70 | 643367 | 40.744 | ng | # 67 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 999642 | 41.438 | ng | 94 |
| 22) Acetophenone | 7.304 | 105 | 1338115 | 40.608 | ng | # 89 |
| 24) Nitrobenzene | 7.475 | 77 | 988299 | 46.666 | ng | 98 |
| 25) Isophorone | 7.716 | 82 | 1847075 | 39.614 | ng | 94 |
| 26) 2-Nitrophenol | 7.786 | 139 | 550100 | 49.330 | ng | # 92 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 975373 | 47.037 | ng | 95 |
| 28) bis(2-Chloroethoxy)met... | 7.922 | 93 | 1185919 | 45.093 | ng | 98 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 882148 | 42.826 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.116 | 180 | 892863 | 39.818 | ng | 96 |
| 31) Naphthalene | 8.198 | 128 | 2795321 | 37.489 | ng | 99 |
| 32) Benzoic acid | 7.957 | 122 | 667483 | 44.656 | ng | 97 |
| 33) 4-Chloroaniline | 8.239 | 127 | 934416 | 29.876 | ng | 98 |
| 34) Hexachlorobutadiene | 8.316 | 225 | 485433 | 39.262 | ng | 99 |
| 35) Caprolactam | 8.616 | 113 | 278419m | 41.419 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.722 | 107 | 885036 | 41.003 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.886 | 142 | 1930939 | 38.183 | ng | 96 |
| 38) 1-Methylnaphthalene | 8.986 | 142 | 1798983 | 37.641 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 788488 | 39.094 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.045 | 237 | 844300 | 98.938 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 608685 | 43.036 | ng | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 652364 | 42.721 | ng | | 93 |
| 46) 1,1'-Biphenyl | 9.351 | 154 | 2145144 | 37.513 | ng | | 94 |
| 47) 2-Chloronaphthalene | 9.374 | 162 | 1829484 | 38.642 | ng | | 99 |
| 48) 2-Nitroaniline | 9.469 | 65 | 506531 | 45.588 | ng | | 89 |
| 49) Acenaphthylene | 9.792 | 152 | 2645465 | 37.118 | ng | | 94 |
| 50) Dimethylphthalate | 9.651 | 163 | 2048864 | 39.217 | ng | | 97 |
| 51) 2,6-Dinitrotoluene | 9.710 | 165 | 480263 | 45.367 | ng | | 93 |
| 52) Acenaphthene | 9.963 | 154 | 1819203 | 40.711 | ng | | 96 |
| 53) 3-Nitroaniline | 9.880 | 138 | 427989 | 36.070 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 9.986 | 184 | 400565 | 80.423 | ng | # | 72 |
| 55) Dibenzofuran | 10.133 | 168 | 2427597 | 36.210 | ng | | 98 |
| 56) 4-Nitrophenol | 10.039 | 139 | 763217 | 79.306 | ng | # | 86 |
| 57) 2,4-Dinitrotoluene | 10.116 | 165 | 615080 | 46.502 | ng | # | 80 |
| 58) Fluorene | 10.480 | 166 | 1804057 | 34.572 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232 | 487686 | 41.496 | ng | # | 89 |
| 60) Diethylphthalate | 10.351 | 149 | 1935310 | 38.424 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204 | 838783 | 36.162 | ng | | 88 |
| 62) 4-Nitroaniline | 10.498 | 138 | 477767 | 40.449 | ng | # | 73 |
| 63) Azobenzene | 10.627 | 77 | 1807068 | 37.158 | ng | | 86 |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198 | 264662 | 46.298 | ng | # | 75 |
| 66) n-Nitrosodiphenylamine | 10.586 | 169 | 1692652 | 41.626 | ng | | 94 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 527747 | 42.453 | ng | | 97 |
| 68) Hexachlorobenzene | 11.027 | 284 | 617984 | 42.357 | ng | # | 82 |
| 69) Atrazine | 11.110 | 200 | 487767 | 45.239 | ng | | 95 |
| 70) Pentachlorophenol | 11.216 | 266 | 638984 | 82.866 | ng | | 96 |
| 71) Phenanthrene | 11.439 | 178 | 2498905 | 37.620 | ng | | 94 |
| 72) Anthracene | 11.492 | 178 | 2526633 | 38.494 | ng | | 95 |
| 73) Carbazole | 11.639 | 167 | 2280746 | 35.308 | ng | | 98 |
| 74) Di-n-butylphthalate | 11.968 | 149 | 2466641 | 37.877 | ng | | 99 |
| 75) Fluoranthene | 12.621 | 202 | 2226253 | 31.360 | ng | | 94 |
| 77) Benzidine | 12.739 | 184 | 1031811 | 63.290 | ng | | 98 |
| 78) Pyrene | 12.851 | 202 | 2208125 | 39.372 | ng | | 95 |
| 80) Butylbenzylphthalate | 13.468 | 149 | 792920 | 42.693 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.039 | 228 | 1658128 | 39.334 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.998 | 252 | 599574 | 49.292 | ng | | 99 |
| 83) Chrysene | 14.074 | 228 | 1672730 | 39.540 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149 | 968078 | 45.533 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.639 | 149 | 1846454 | 59.213 | ng | # | 89 |
| 87) Indeno(1,2,3-cd)pyrene | 17.015 | 276 | 2184248 | 46.195 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.092 | 252 | 1997655 | 40.933 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 1735725 | 37.121 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.462 | 252 | 1888499 | 43.472 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 1839860 | 46.554 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.474 | 276 | 1868001 | 46.281 | ng | | 91 |

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

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