Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090121\
Data File : BF125302.D
Acq On : 1 Sep 2021 12:39
Operator : JU/CG
Sample : PB138856BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB138856BS

**Manual Integrations APPROVED**
mohammad
9/3/2021 3:30:08 PM

Quant Time: Sep 01 13:26:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 24 12:39:21 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.910 | 152 | 215348 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.192 | 136 | 848715 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 9.951 | 164 | 451780 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.439 | 188 | 834533 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.086 | 240 | 527158 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 15.580 | 264 | 408949 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.540 | 112 | 1432582 | 100.691 | ng | 0.01 |
| 7) Phenol-d6 | 6.545 | 99 | 1812199 | 98.485 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.475 | 82 | 1207768 | 71.642 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.745 | 330 | 593141 | 131.524 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.269 | 172 | 2108349 | 65.042 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.027 | 244 | 2531359 | 76.499 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.787 | 88 | 221361 | 31.530 | ng | # 100 |
| 3) Pyridine | 3.546 | 79 | 533204 | 28.770 | ng | # 91 |
| 4) n-Nitrosodimethylamine | 3.504 | 42 | 332787 | 35.883 | ng | # 36 |
| 6) Aniline | 6.575 | 93 | 829811 | 38.392 | ng | # 94 |
| 8) 2-Chlorophenol | 6.698 | 128 | 566933 | 39.061 | ng | 84 |
| 9) Benzaldehyde | 6.463 | 77 | 417046 | 32.295 | ng | 94 |
| 10) Phenol | 6.557 | 94 | 743405 | 38.579 | ng | 90 |
| 11) bis(2-Chloroethyl)ether | 6.645 | 93 | 591062 | 38.947 | ng | 86 |
| 12) 1,3-Dichlorobenzene | 6.851 | 146 | 626334 | 37.240 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.928 | 146 | 622408 | 37.140 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.081 | 146 | 604281 | 38.327 | ng | 99 |
| 15) Benzyl Alcohol | 7.051 | 79 | 532678 | 37.599 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.181 | 45 | 1088838 | 35.775 | ng | 96 |
| 17) 2-Methylphenol | 7.163 | 107 | 483678 | 39.671 | ng | 96 |
| 18) Hexachloroethane | 7.422 | 117 | 225230 | 38.380 | ng | # 84 |
| 19) n-Nitroso-di-n-propyla... | 7.328 | 70 | 406723 | 36.748 | ng | # 77 |
| 20) 3+4-Methylphenols | 7.316 | 107 | 539360 | 35.242 | ng | # 79 |
| 22) Acetophenone | 7.322 | 105 | 784179 | 35.901 | ng | # 89 |
| 24) Nitrobenzene | 7.492 | 77 | 653565 | 35.579 | ng | # 87 |
| 25) Isophorone | 7.734 | 82 | 1170281 | 35.985 | ng | # 89 |
| 26) 2-Nitrophenol | 7.810 | 139 | 306868 | 41.836 | ng | # 84 |
| 27) 2,4-Dimethylphenol | 7.845 | 122 | 485676 | 37.822 | ng | 90 |
| 28) bis(2-Chloroethoxy)met... | 7.939 | 93 | 713603 | 39.629 | ng | # 97 |
| 29) 2,4-Dichlorophenol | 8.051 | 162 | 491217 | 37.510 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.134 | 180 | 521306 | 36.505 | ng | 94 |
| 31) Naphthalene | 8.216 | 128 | 1510405 | 34.749 | ng | 100 |
| 32) Benzoic acid | 7.975 | 122 | 288557 | 33.108 | ng | 84 |
| 33) 4-Chloroaniline | 8.263 | 127 | 506743 | 29.573 | ng | # 90 |
| 34) Hexachlorobutadiene | 8.328 | 225 | 336984 | 37.008 | ng | 99 |
| 35) Caprolactam | 8.639 | 113 | 163504m | 48.203 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.745 | 107 | 534965 | 40.015 | ng | 90 |
| 37) 2-Methylnaphthalene | 8.904 | 142 | 1056980 | 36.800 | ng | 99 |
| 38) 1-Methylnaphthalene | 9.004 | 142 | 972434 | 36.256 | ng | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.075 | 216 | 533758 | 36.161 | ng | 97 |
| 41) Hexachlorocyclopentadiene | 9.057 | 237 | 650365 | 83.865 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.186 | 196 | 380335 | 36.595 | ng | 99 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.228 | 196 | 404033 | 36.951 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.369 | 154 | 1221069 | 33.525 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.398 | 162 | 1028123 | 34.736 | ng | | 97 |
| 48) 2-Nitroaniline | 9.492 | 65 | 385122 | 41.975 | ng | # | 79 |
| 49) Acenaphthylene | 9.816 | 152 | 1567414 | 36.341 | ng | | 99 |
| 50) Dimethylphthalate | 9.675 | 163 | 1214745 | 38.800 | ng | # | 98 |
| 51) 2,6-Dinitrotoluene | 9.733 | 165 | 270597 | 39.860 | ng | # | 80 |
| 52) Acenaphthene | 9.986 | 154 | 925816 | 34.626 | ng | | 98 |
| 53) 3-Nitroaniline | 9.904 | 138 | 236130 | 32.254 | ng | # | 76 |
| 54) 2,4-Dinitrophenol | 10.016 | 184 | 274431 | 102.341 | ng | # | 80 |
| 55) Dibenzofuran | 10.157 | 168 | 1327652 | 34.502 | ng | | 98 |
| 56) 4-Nitrophenol | 10.075 | 139 | 432623 | 74.623 | ng | # | 77 |
| 57) 2,4-Dinitrotoluene | 10.139 | 165 | 359763 | 43.787 | ng | # | 95 |
| 58) Fluorene | 10.504 | 166 | 1075422 | 37.802 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.275 | 232 | 323380 | 39.853 | ng | # | 82 |
| 60) Diethylphthalate | 10.369 | 149 | 1174112 | 38.468 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.492 | 204 | 548000 | 38.098 | ng | # | 85 |
| 62) 4-Nitroaniline | 10.528 | 138 | 292529 | 44.435 | ng | # | 83 |
| 63) Azobenzene | 10.651 | 77 | 1226874 | 35.837 | ng | | 91 |
| 65) 4,6-Dinitro-2-methylph... | 10.551 | 198 | 186651 | 42.259 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.610 | 169 | 1037098 | 34.707 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 10.980 | 248 | 387734 | 38.691 | ng | | 92 |
| 68) Hexachlorobenzene | 11.051 | 284 | 410582 | 39.827 | ng | # | 79 |
| 69) Atrazine | 11.139 | 200 | 363512 | 42.394 | ng | | 92 |
| 70) Pentachlorophenol | 11.245 | 266 | 434323 | 72.152 | ng | | 92 |
| 71) Phenanthrene | 11.469 | 178 | 1613722 | 35.094 | ng | | 96 |
| 72) Anthracene | 11.516 | 178 | 1689109 | 37.268 | ng | | 97 |
| 73) Carbazole | 11.675 | 167 | 1485785 | 35.873 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.992 | 149 | 1855982 | 37.762 | ng | | 98 |
| 75) Fluoranthene | 12.657 | 202 | 1735582 | 38.039 | ng | | 96 |
| 77) Benzidine | 12.774 | 184 | 1211152 | 65.785 | ng | | 96 |
| 78) Pyrene | 12.886 | 202 | 1744584 | 38.580 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.498 | 149 | 740531 | 41.677 | ng | | 92 |
| 81) Benzo(a)anthracene | 14.074 | 228 | 1389658 | 36.587 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.033 | 252 | 315061 | 26.760 | ng | # | 98 |
| 83) Chrysene | 14.110 | 228 | 1344302 | 35.788 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 14.051 | 149 | 1008153 | 41.282 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.668 | 149 | 1523195 | 37.501 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.098 | 276 | 1115123 | 37.850 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 15.139 | 252 | 1136544 | 38.041 | ng | # | 94 |
| 89) Benzo(k)fluoranthene | 15.168 | 252 | 1110034 | 39.815 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.515 | 252 | 1049261 | 39.758 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 17.115 | 278 | 940208 | 36.919 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 17.556 | 276 | 942846 | 38.397 | ng | # | 88 |

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

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