Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072721\
Data File : BF124791.D
Acq On : 27 Jul 2021 13:01
Operator : JU/CG
Sample : PB137987BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB137987BS

**Manual Integrations APPROVED**
mohammad
7/28/2021 11:32:27 AM

Quant Time: Jul 27 14:43:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 8008 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 32844 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 18570 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 33381 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 23253 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.515 | 264 | 17230 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 61572 | 130.184 | ng | | 0.03 |
| 7) Phenol-d6 | 6.510 | 99 | 76312 | 128.703 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 41970 | 76.055 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 19738 | 123.795 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 89816 | 71.038 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 92073 | 67.874 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 8310 | 50.265 | ng | # | 100 |
| 3) Pyridine | 3.546 | 79 | 17681 | 45.178 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.510 | 42 | 15107 | 48.811 | ng | # | 89 |
| 6) Aniline | 6.539 | 93 | 24088 | 39.530 | ng | # | 94 |
| 8) 2-Chlorophenol | 6.663 | 128 | 25808 | 48.379 | ng | | 94 |
| 9) Benzaldehyde | 6.428 | 77 | 12417 | 38.896 | ng | | 93 |
| 10) Phenol | 6.522 | 94 | 30088 | 52.990 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 24022 | 53.358 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 27737 | 47.840 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 28316 | 48.818 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 26853 | 47.915 | ng | | 96 |
| 15) Benzyl Alcohol | 7.016 | 79 | 20260 | 51.961 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 38084 | 50.260 | ng | | 96 |
| 17) 2-Methylphenol | 7.128 | 107 | 19795 | 50.936 | ng | | 97 |
| 18) Hexachloroethane | 7.386 | 117 | 11721 | 53.314 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 16785 | 53.014 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 24933 | 48.559 | ng | | 88 |
| 22) Acetophenone | 7.286 | 105 | 37072 | 48.708 | ng | # | 93 |
| 24) Nitrobenzene | 7.457 | 77 | 26013 | 48.081 | ng | | 90 |
| 25) Isophorone | 7.698 | 82 | 45828 | 46.966 | ng | | 94 |
| 26) 2-Nitrophenol | 7.775 | 139 | 14678 | 48.983 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 24133 | 52.339 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 30002 | 52.910 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 22725 | 46.536 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 24678 | 46.109 | ng | | 97 |
| 31) Naphthalene | 8.181 | 128 | 77354 | 45.130 | ng | | 97 |
| 32) Benzoic acid | 7.951 | 122 | 15149m | 42.447 | ng | | |
| 33) 4-Chloroaniline | 8.228 | 127 | 14499 | 22.495 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.292 | 225 | 14370 | 44.916 | ng | | 96 |
| 35) Caprolactam | 8.616 | 113 | 6866m | 54.096 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 24036 | 51.604 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 51943 | 45.355 | ng | | 97 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 48855 | 45.030 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 24098 | 46.510 | ng | # | 96 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 33511 | 109.319 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 16899 | 45.944 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 17001 | 45.016 | ng | | 91 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 63180 | 45.579 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 48679 | 44.362 | ng | | 96 |
| 48) 2-Nitroaniline | 9.457 | 65 | 14688 | 51.119 | ng | | 91 |
| 49) Acenaphthylene | 9.780 | 152 | 77099 | 45.561 | ng | | 100 |
| 50) Dimethylphthalate | 9.645 | 163 | 60055 | 46.967 | ng | # | 99 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 13135 | 46.498 | ng | | 97 |
| 52) Acenaphthene | 9.951 | 154 | 45699 | 40.738 | ng | | 97 |
| 53) 3-Nitroaniline | 9.869 | 138 | 8785 | 29.560 | ng | | 86 |
| 54) 2,4-Dinitrophenol | 9.980 | 184 | 13850 | 84.788 | ng | | 94 |
| 55) Dibenzofuran | 10.122 | 168 | 68928 | 43.000 | ng | | 98 |
| 56) 4-Nitrophenol | 10.039 | 139 | 20484 | 87.282 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 18082 | 47.169 | ng | # | 94 |
| 58) Fluorene | 10.469 | 166 | 54770 | 44.539 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 13628 | 45.691 | ng | # | 93 |
| 60) Diethylphthalate | 10.339 | 149 | 62791 | 47.224 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 26376 | 44.370 | ng | | 97 |
| 62) 4-Nitroaniline | 10.492 | 138 | 12941 | 44.007 | ng | | 98 |
| 63) Azobenzene | 10.616 | 77 | 55105 | 46.845 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198 | 8499 | 39.315 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 48047 | 44.416 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 16306 | 46.059 | ng | # | 81 |
| 68) Hexachlorobenzene | 11.016 | 284 | 17552 | 47.738 | ng | # | 90 |
| 69) Atrazine | 11.104 | 200 | 15866 | 48.241 | ng | | 98 |
| 70) Pentachlorophenol | 11.210 | 266 | 19154 | 83.777 | ng | | 93 |
| 71) Phenanthrene | 11.433 | 178 | 79693 | 44.388 | ng | | 99 |
| 72) Anthracene | 11.486 | 178 | 83550 | 46.549 | ng | | 99 |
| 73) Carbazole | 11.633 | 167 | 70346 | 41.812 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 105405 | 47.036 | ng | | 98 |
| 75) Fluoranthene | 12.621 | 202 | 80344 | 43.853 | ng | | 98 |
| 77) Benzidine | 12.739 | 184 | 37105 | 56.587 | ng | | 98 |
| 78) Pyrene | 12.851 | 202 | 80755 | 43.868 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 40189 | 45.581 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 64749 | 42.599 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.998 | 252 | 13540 | 32.098 | ng | # | 94 |
| 83) Chrysene | 14.074 | 228 | 62785 | 42.875 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149 | 61334 | 47.226 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 97067 | 46.058 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.003 | 276 | 42173 | 42.396 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 15.086 | 252 | 50279 | 41.446 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.121 | 252 | 52684 | 47.530 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.457 | 252 | 47623 | 46.994 | ng | # | 93 |
| 91) Dibenzo(a,h)anthracene | 17.021 | 278 | 36172 | 41.538 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.451 | 276 | 34011 | 41.187 | ng | # | 88 |

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

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