Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072121\
Data File : BF124669.D
Acq On : 21 Jul 2021 19:11
Operator : JU/CG
Sample : M3076-04MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
20210587-AMENDED-COM-1-SPLP

**Manual Integrations APPROVED**
mohammad
7/22/2021 1:29:02 PM

Quant Time: Jul 22 01:29:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 21 16:08:04 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.886 | 152 | 5934 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.175 | 136 | 23911 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.933 | 164 | 13600 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.421 | 188 | 24361 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.062 | 240 | 15286 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 15.539 | 264 | 14871 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 33787 | 98.649 | ng | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 28064 | 67.357 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.457 | 82 | 40540 | 107.029 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.727 | 330 | 18157 | 171.562 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.251 | 172 | 97718 | 104.777 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.010 | 244 | 98633 | 108.351 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.704 | 88 | 3678 | 31.979 | ng | # 100 |
| 3) Pyridine | 3.463 | 79 | 6284 | 21.871 | ng | # 88 |
| 4) n-Nitrosodimethylamine | 3.404 | 42 | 7328m | 31.379 | ng | |
| 6) Aniline | 6.551 | 93 | 19425 | 44.248 | ng | 97 |
| 8) 2-Chlorophenol | 6.675 | 128 | 18838 | 49.061 | ng | 97 |
| 9) Benzaldehyde | 6.439 | 77 | 13464 | 55.082 | ng | 91 |
| 10) Phenol | 6.522 | 94 | 10568 | 25.980 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 18979 | 60.181 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.833 | 146 | 20870 | 49.660 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 6.910 | 146 | 20418 | 47.567 | ng | 96 |
| 14) 1,2-Dichlorobenzene | 7.063 | 146 | 20508 | 50.273 | ng | 98 |
| 15) Benzyl Alcohol | 7.028 | 79 | 13022 | 45.169 | ng | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45 | 32162 | 59.169 | ng | 98 |
| 17) 2-Methylphenol | 7.139 | 107 | 13088 | 46.567 | ng | 97 |
| 18) Hexachloroethane | 7.404 | 117 | 8012 | 49.566 | ng | 93 |
| 19) n-Nitroso-di-n-propyla... | 7.304 | 70 | 13908 | 59.373 | ng | 96 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 15755 | 42.577 | ng | 88 |
| 22) Acetophenone | 7.298 | 105 | 30568 | 56.331 | ng | # 95 |
| 24) Nitrobenzene | 7.475 | 77 | 19041 | 50.697 | ng | 96 |
| 25) Isophorone | 7.716 | 82 | 37603 | 54.079 | ng | 96 |
| 26) 2-Nitrophenol | 7.786 | 139 | 11862 | 58.548 | ng | 92 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 19717 | 58.730 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.922 | 93 | 25484 | 62.830 | ng | 97 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 18258 | 52.725 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.116 | 180 | 19139 | 49.943 | ng | 98 |
| 31) Naphthalene | 8.198 | 128 | 62887 | 50.850 | ng | 97 |
| 32) Benzoic acid | 7.916 | 122 | 7370 | 31.004 | ng | 99 |
| 33) 4-Chloroaniline | 8.239 | 127 | 19116 | 40.904 | ng | 98 |
| 34) Hexachlorobutadiene | 8.310 | 225 | 10897 | 50.378 | ng | 98 |
| 35) Caprolactam | 8.627 | 113 | 1282m | 14.637 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 18217 | 53.200 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.886 | 142 | 44199 | 52.963 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.986 | 142 | 41816 | 53.354 | ng | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.057 | 216 | 19977 | 55.074 | ng | 94 |
| 41) Hexachlorocyclopentadiene | 9.045 | 237 | 26538 | 117.121 | ng | 94 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 14839 | 56.666 | ng | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.198 | 196 | 14923 | 55.254 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 9.357 | 154 | 54293 | 52.563 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 9.380 | 162 | 42505 | 52.486 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.474 | 65 | 11548 | 59.298 | ng | | 96 |
| 49) | Acenaphthylene | 9.798 | 152 | 68828 | 54.462 | ng | | 99 |
| 50) | Dimethylphthalate | 9.657 | 163 | 54703 | 57.813 | ng | | 97 |
| 51) | 2,6-Dinitrotoluene | 9.716 | 165 | 11324 | 60.708 | ng | # | 87 |
| 52) | Acenaphthene | 9.969 | 154 | 49473 | 61.223 | ng | | 97 |
| 53) | 3-Nitroaniline | 9.886 | 138 | 8223 | 39.505 | ng | | 93 |
| 54) | 2,4-Dinitrophenol | 9.992 | 184 | 12836 | 131.876 | ng | | 93 |
| 55) | Dibenzofuran | 10.139 | 168 | 63007 | 53.031 | ng | | 99 |
| 56) | 4-Nitrophenol | 10.039 | 139 | 10258 | 59.212 | ng | | 97 |
| 57) | 2,4-Dinitrotoluene | 10.121 | 165 | 15788 | 61.824 | ng | # | 89 |
| 58) | Fluorene | 10.486 | 166 | 48445 | 52.714 | ng | | 97 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.257 | 232 | 12173 | 58.360 | ng | # | 95 |
| 60) | Diethylphthalate | 10.357 | 149 | 58638 | 59.270 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.474 | 204 | 23941 | 57.393 | ng | | 97 |
| 62) | 4-Nitroaniline | 10.504 | 138 | 11399 | 54.337 | ng | | 91 |
| 63) | Azobenzene | 10.633 | 77 | 47446 | 54.864 | ng | | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.527 | 198 | 8283 | 59.521 | ng | | 96 |
| 66) | n-Nitrosodiphenylamine | 10.598 | 169 | 42693 | 53.821 | ng | | 95 |
| 67) | 4-Bromophenyl-phenylether | 10.969 | 248 | 14641 | 58.122 | ng | | 97 |
| 68) | Hexachlorobenzene | 11.027 | 284 | 15118 | 58.577 | ng | | 98 |
| 69) | Atrazine | 11.121 | 200 | 12580 | 51.783 | ng | | 96 |
| 70) | Pentachlorophenol | 11.221 | 266 | 18178 | 111.352 | ng | | 96 |
| 71) | Phenanthrene | 11.451 | 178 | 71021 | 53.437 | ng | | 99 |
| 72) | Anthracene | 11.498 | 178 | 72874 | 54.655 | ng | | 99 |
| 73) | Carbazole | 11.651 | 167 | 61162 | 49.643 | ng | | 100 |
| 74) | Di-n-butylphthalate | 11.980 | 149 | 96908 | 58.391 | ng | | 100 |
| 75) | Fluoranthene | 12.633 | 202 | 67013 | 49.975 | ng | | 99 |
| 77) | Benzidine | 12.757 | 184 | 28245 | 49.427 | ng | | 97 |
| 78) | Pyrene | 12.863 | 202 | 65133 | 51.286 | ng | | 97 |
| 80) | Butylbenzylphthalate | 13.480 | 149 | 34324 | 55.897 | ng | | 99 |
| 81) | Benzo(a)anthracene | 14.051 | 228 | 52303 | 51.592 | ng | | 97 |
| 82) | 3,3'-Dichlorobenzidine | 14.009 | 252 | 14302 | 53.859 | ng | | 95 |
| 83) | Chrysene | 14.086 | 228 | 51103 | 52.621 | ng | | 98 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.039 | 149 | 53565 | 64.972 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 14.651 | 149 | 89116 | 74.702 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.045 | 276 | 58010 | 67.261 | ng | | 96 |
| 88) | Benzo(b)fluoranthene | 15.109 | 252 | 55055m | 51.579 | ng | | |
| 89) | Benzo(k)fluoranthene | 15.139 | 252 | 47765 | 48.772 | ng | | 98 |
| 90) | Benzo(a)pyrene | 15.480 | 252 | 50280 | 57.066 | ng | | 98 |
| 91) | Dibenzo(a,h)anthracene | 17.062 | 278 | 49742 | 67.759 | ng | | 98 |
| 92) | Benzo(g,h,i)perylene | 17.497 | 276 | 47544 | 66.335 | ng | | 90 |

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

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