Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081721\
Data File : BM031778.D
Acq On : 17 Aug 2021 12:59
Operator : CG/JU
Sample : PB138394BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB138394BS

**Manual Integrations APPROVED**
mohammad
8/19/2021 1:24:26 PM

Quant Time: Aug 17 14:48:24 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 16 16:42:38 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.551 | 152 | 45260 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.310 | 136 | 193955 | 20.000 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.186 | 164 | 122644 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 16.939 | 188 | 221999 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.139 | 240 | 180835 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.285 | 264 | 187293 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.187 | 112 | 268217 | 95.114 | ng | | 0.00 |
| 7) Phenol-d6 | 6.745 | 99 | 327509 | 80.151 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.704 | 82 | 386613 | 83.462 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.686 | 330 | 106501 | 70.506 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.798 | 172 | 811968 | 88.120 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.586 | 244 | 989896 | 92.230 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.193 | 88 | 40769 | 34.580 | ng | | 96 |
| 3) Pyridine | 3.569 | 79 | 97257 | 29.851 | ng | # | 81 |
| 4) n-Nitrosodimethylamine | 3.493 | 42 | 82833 | 43.565 | ng | | 86 |
| 6) Aniline | 6.898 | 93 | 187352 | 41.933 | ng | | 98 |
| 8) 2-Chlorophenol | 7.122 | 128 | 141300 | 42.792 | ng | | 95 |
| 9) Benzaldehyde | 6.710 | 77 | 93474 | 32.230 | ng | | 96 |
| 10) Phenol | 6.775 | 94 | 173722 | 42.796 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.998 | 93 | 120795 | 39.614 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.439 | 146 | 143876 | 40.735 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 7.587 | 146 | 147993 | 40.667 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.892 | 146 | 144842 | 40.519 | ng | | 96 |
| 15) Benzyl Alcohol | 7.798 | 79 | 136580 | 38.815 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.081 | 45 | 165721 | 38.035 | ng | | 98 |
| 17) 2-Methylphenol | 7.998 | 107 | 118259 | 41.199 | ng | # | 89 |
| 18) Hexachloroethane | 8.604 | 117 | 62514 | 41.441 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 8.363 | 70 | 114601 | 35.518 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.328 | 107 | 160763 | 39.843 | ng | | 95 |
| 22) Acetophenone | 8.369 | 105 | 224380 | 40.742 | ng | # | 91 |
| 24) Nitrobenzene | 8.745 | 77 | 183377 | 38.680 | ng | | 94 |
| 25) Isophorone | 9.269 | 82 | 291137 | 35.041 | ng | | 96 |
| 26) 2-Nitrophenol | 9.439 | 139 | 77025 | 41.274 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 9.510 | 122 | 130064 | 45.578 | ng | | 91 |
| 28) bis(2-Chloroethoxy)met... | 9.745 | 93 | 170040 | 42.534 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 9.969 | 162 | 136001 | 41.946 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.175 | 180 | 145225 | 41.946 | ng | | 96 |
| 31) Naphthalene | 10.363 | 128 | 448336 | 40.374 | ng | | 99 |
| 32) Benzoic acid | 9.681 | 122 | 77481 | 30.325 | ng | | 92 |
| 33) 4-Chloroaniline | 10.486 | 127 | 151031 | 32.721 | ng | | 94 |
| 34) Hexachlorobutadiene | 10.633 | 225 | 91880 | 41.563 | ng | | 95 |
| 35) Caprolactam | 11.292 | 113 | 35226m | 31.290 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.616 | 107 | 148396 | 36.911 | ng | | 89 |
| 37) 2-Methylnaphthalene | 11.980 | 142 | 324392 | 39.037 | ng | # | 96 |
| 38) 1-Methylnaphthalene | 12.198 | 142 | 302505 | 38.115 | ng | # | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.351 | 216 | 159664 | 45.832 | ng | # | 95 |
| 41) Hexachlorocyclopentadiene | 12.327 | 237 | 224847 | 129.012 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.604 | 196 | 106160 | 41.340 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.674 | 196 | 114369 | 40.753 | ng | # | 88 |
| 46) 1,1'-Biphenyl | 13.010 | 154 | 400594 | 41.506 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.051 | 162 | 321006 | 42.366 | ng | # | 92 |
| 48) 2-Nitroaniline | 13.274 | 65 | 108685 | 38.651 | ng | | 89 |
| 49) Acenaphthylene | 13.904 | 152 | 506672 | 40.845 | ng | | 99 |
| 50) Dimethylphthalate | 13.663 | 163 | 379284 | 37.114 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.780 | 165 | 82801 | 36.485 | ng | # | 70 |
| 52) Acenaphthene | 14.251 | 154 | 296032 | 39.174 | ng | | 98 |
| 53) 3-Nitroaniline | 14.110 | 138 | 67083 | 28.788 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.327 | 184 | 66184 | 49.469 | ng | # | 75 |
| 55) Dibenzofuran | 14.592 | 168 | 479438 | 37.967 | ng | | 92 |
| 56) 4-Nitrophenol | 14.433 | 139 | 136910 | 68.877 | ng | # | 73 |
| 57) 2,4-Dinitrotoluene | 14.574 | 165 | 112341 | 34.371 | ng | # | 61 |
| 58) Fluorene | 15.245 | 166 | 394474 | 37.630 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.821 | 232 | 90491 | 35.559 | ng | # | 83 |
| 60) Diethylphthalate | 15.033 | 149 | 399081 | 35.528 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.245 | 204 | 195051 | 38.546 | ng | # | 85 |
| 62) 4-Nitroaniline | 15.286 | 138 | 76096 | 31.783 | ng | # | 79 |
| 63) Azobenzene | 15.539 | 77 | 452099 | 36.359 | ng | | 92 |
| 65) 4,6-Dinitro-2-methylph... | 15.345 | 198 | 50787 | 33.464 | ng | | 78 |
| 66) n-Nitrosodiphenylamine | 15.462 | 169 | 323065 | 44.264 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.139 | 248 | 107537 | 45.508 | ng | # | 91 |
| 68) Hexachlorobenzene | 16.245 | 284 | 114050 | 44.122 | ng | # | 89 |
| 69) Atrazine | 16.427 | 200 | 108476 | 41.763 | ng | | 99 |
| 70) Pentachlorophenol | 16.592 | 266 | 144601 | 83.284 | ng | | 96 |
| 71) Phenanthrene | 16.980 | 178 | 553114 | 40.852 | ng | | 99 |
| 72) Anthracene | 17.074 | 178 | 567623 | 42.764 | ng | | 99 |
| 73) Carbazole | 17.351 | 167 | 485432 | 36.506 | ng | # | 97 |
| 74) Di-n-butylphthalate | 17.921 | 149 | 617026 | 37.255 | ng | # | 98 |
| 75) Fluoranthene | 19.003 | 202 | 569208 | 35.099 | ng | | 98 |
| 77) Benzidine | 19.209 | 184 | 406019 | 75.554 | ng | | 100 |
| 78) Pyrene | 19.368 | 202 | 575982 | 43.967 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.292 | 149 | 252140 | 40.158 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.127 | 228 | 531594 | 40.133 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.068 | 252 | 165900 | 40.530 | ng | | 99 |
| 83) Chrysene | 21.174 | 228 | 521861 | 40.419 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.068 | 149 | 376636 | 38.818 | ng | # | 94 |
| 85) Di-n-octyl phthalate | 21.933 | 149 | 626105 | 39.054 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 25.421 | 276 | 641995 | 48.641 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.650 | 252 | 567170 | 40.333 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.697 | 252 | 530997 | 39.122 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.197 | 252 | 543102 | 43.621 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 25.427 | 278 | 548949 | 47.291 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.068 | 276 | 536517 | 50.756 | ng | | 98 |

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

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