Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102220\
Data File : BF122083.D
Acq On : 22 Oct 2020 14:57
Operator : JU/CG
Sample : L4436-08MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
36AMSD

**Manual Integrations APPROVED**
mohammad
10/23/2020 1:32:00 PM

Quant Time: Oct 22 15:29:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 12:04:42 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.728 | 152 | 116887 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.016 | 136 | 465500 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.763 | 164 | 242117 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.251 | 188 | 452889 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.892 | 240 | 278549 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.321 | 264 | 264137 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 813281 | 102.69 | ng | | 0.01 |
| 7) Phenol-d6 | 6.387 | 99 | 1003326 | 98.42 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.304 | 82 | 718377 | 79.14 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.563 | 330 | 333948 | 111.50 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.086 | 172 | 1189285 | 72.27 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.833 | 244 | 1266624 | 86.66 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.440 | 88 | 116619 | 33.48 | ng | | 99 |
| 3) Pyridine | 3.169 | 79 | 345630 | 37.74 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.128 | 42 | 188252 | 42.53 | ng | | 96 |
| 6) Aniline | 6.398 | 93 | 392415 | 31.26 | ng | # | 20 |
| 8) 2-Chlorophenol | 6.522 | 128 | 352341 | 44.02 | ng | | 98 |
| 9) Benzaldehyde | 6.281 | 77 | 150143 | 23.08 | ng | | 99 |
| 10) Phenol | 6.398 | 94 | 442982 | 42.10 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.469 | 93 | 360841 | 44.36 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.669 | 146 | 373302 | 41.46 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.745 | 146 | 378108 | 41.83 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.898 | 146 | 351600 | 42.55 | ng | | 98 |
| 15) Benzyl Alcohol | 6.887 | 79 | 313486 | 47.54 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.010 | 45 | 523149 | 41.80 | ng | # | 44 |
| 17) 2-Methylphenol | 7.004 | 107 | 281780 | 41.17 | ng | # | 89 |
| 18) Hexachloroethane | 7.234 | 117 | 141689 | 43.39 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.157 | 70 | 258832 | 44.59 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.157 | 107 | 365705 | 44.31 | ng | # | 73 |
| 22) Acetophenone | 7.145 | 105 | 488378 | 40.78 | ng | # | 89 |
| 24) Nitrobenzene | 7.322 | 77 | 394464 | 40.66 | ng | | 99 |
| 25) Isophorone | 7.563 | 82 | 718581 | 41.87 | ng | | 99 |
| 26) 2-Nitrophenol | 7.639 | 139 | 191633 | 42.89 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.681 | 122 | 311236 | 40.86 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.769 | 93 | 442052 | 41.17 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.887 | 162 | 298122 | 41.80 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.957 | 180 | 306690 | 40.44 | ng | | 98 |
| 31) Naphthalene | 8.034 | 128 | 998453 | 40.04 | ng | | 99 |
| 32) Benzoic acid | 7.851 | 122 | 177138 | 41.86 | ng | | 96 |
| 33) 4-Chloroaniline | 8.092 | 127 | 247131 | 23.27 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.145 | 225 | 188216 | 41.85 | ng | | 99 |
| 35) Caprolactam | 8.486 | 113 | 99901m | 44.11 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.592 | 107 | 331189 | 43.23 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.728 | 142 | 649363 | 40.21 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.822 | 142 | 601985 | 40.25 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.892 | 216 | 314183 | 40.20 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 8.875 | 237 | 133643 | 62.25 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.016 | 196 | 204207 | 42.35 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.063 | 196 | 213598 | 41.02 | ng | | 100 |
| 46) 1,1'-Biphenyl | 9.186 | 154 | 786690 | 39.96 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.216 | 162 | 589411 | 38.50 | ng | | 100 |
| 48) 2-Nitroaniline | 9.322 | 65 | 220790 | 43.72 | ng | | 97 |
| 49) Acenaphthylene | 9.628 | 152 | 928228 | 39.48 | ng | | 100 |
| 50) Dimethylphthalate | 9.492 | 163 | 961609 | 54.31 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.569 | 165 | 167709 | 43.18 | ng | # | 83 |
| 52) Acenaphthene | 9.798 | 154 | 569687 | 40.73 | ng | | 99 |
| 53) 3-Nitroaniline | 9.739 | 138 | 129352 | 29.29 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.857 | 184 | 151516 | 76.84 | ng | # | 83 |
| 55) Dibenzofuran | 9.975 | 168 | 820236 | 40.10 | ng | | 99 |
| 56) 4-Nitrophenol | 9.928 | 139 | 172282 | 71.70 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 9.975 | 165 | 207376 | 43.38 | ng | # | 82 |
| 58) Fluorene | 10.316 | 166 | 679275 | 41.22 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.098 | 232 | 178676 | 44.35 | ng | | 99 |
| 60) Diethylphthalate | 10.192 | 149 | 764883 | 44.80 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.304 | 204 | 333715 | 42.23 | ng | | 97 |
| 62) 4-Nitroaniline | 10.357 | 138 | 164231 | 37.22 | ng | | 91 |
| 63) Azobenzene | 10.469 | 77 | 779207 | 43.16 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 10.392 | 198 | 123405 | 41.34 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.428 | 169 | 644660 | 41.32 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248 | 225198 | 43.04 | ng | | 97 |
| 68) Hexachlorobenzene | 10.863 | 284 | 251810 | 42.52 | ng | | 98 |
| 69) Atrazine | 10.957 | 200 | 184841 | 48.46 | ng | | 99 |
| 70) Pentachlorophenol | 11.069 | 266 | 183605 | 78.96 | ng | | 99 |
| 71) Phenanthrene | 11.275 | 178 | 1046052 | 42.12 | ng | | 99 |
| 72) Anthracene | 11.327 | 178 | 1052128 | 40.85 | ng | | 100 |
| 73) Carbazole | 11.486 | 167 | 919503 | 40.15 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.810 | 149 | 1215043 | 46.12 | ng | | 99 |
| 75) Fluoranthene | 12.463 | 202 | 1094654 | 41.11 | ng | | 99 |
| 77) Benzidine | 12.586 | 184 | 436332 | 50.81 | ng | | 99 |
| 78) Pyrene | 12.692 | 202 | 1060245 | 49.95 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.304 | 149 | 460817 | 54.74 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.880 | 228 | 806358 | 44.18 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.839 | 252 | 223159 | 32.96 | ng | | 98 |
| 83) Chrysene | 13.921 | 228 | 779488 | 43.50 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.857 | 149 | 641841 | 56.16 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.468 | 149 | 972049 | 52.58 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.751 | 276 | 904637 | 52.75 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.915 | 252 | 775648 | 43.44 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 14.945 | 252 | 720965 | 42.51 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.268 | 252 | 687684 | 44.59 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.745 | 278 | 736638 | 52.17 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.162 | 276 | 779775 | 55.18 | ng | | 98 |

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

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