Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122981.D
Acq On : 18 Jan 2021 10:50
Operator : JU/CG
Sample : SP5424
Misc : 8270 SPIKE
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SP5424

**Manual Integrations APPROVED**
mohammad
1/20/2021 2:15:08 PM

Quant Time: Jan 18 13:28:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 18 13:14:08 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.898 | 152 | 237360 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.180 | 136 | 967610 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 9.939 | 164 | 504608 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.427 | 188 | 844990 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 14.074 | 240 | 529602 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 15.551 | 264 | 482772 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0 | 0.00 | ng | | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.00 | ng | | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.00 | ng | | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.00 | ng | | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.00 | ng | | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0 | 0.00 | ng | | |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.828 | 88 | 443728 | 58.18 | ng | # | 85 |
| 3) Pyridine | 3.557 | 79 | 789805 | 38.26 | ng | # | 68 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 501514 | 54.43 | ng | # | 68 |
| 6) Aniline | 6.557 | 93 | 869549 | 34.16 | ng | | 96 |
| 8) 2-Chlorophenol | 6.681 | 128 | 768604 | 46.35 | ng | | 89 |
| 9) Benzaldehyde | 6.445 | 77 | 551739 | 54.17 | ng | | 92 |
| 10) Phenol | 6.528 | 94 | 997160 | 47.05 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.628 | 93 | 793525 | 46.24 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 6.839 | 146 | 828482 | 43.17 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.916 | 146 | 860509 | 44.53 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.069 | 146 | 845746 | 46.91 | ng | | 100 |
| 15) Benzyl Alcohol | 7.039 | 79 | 753599 | 50.66 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169 | 45 | 1582006 | 52.89 | ng | | 89 |
| 17) 2-Methylphenol | 7.145 | 107 | 685028 | 48.70 | ng | | 97 |
| 18) Hexachloroethane | 7.410 | 117 | 323872 | 46.37 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 7.310 | 70 | 611507 | 48.91 | ng | # | 83 |
| 20) 3+4-Methylphenols | 7.298 | 107 | 814290 | 46.28 | ng | | 94 |
| 22) Acetophenone | 7.304 | 105 | 1083321 | 44.52 | ng | # | 91 |
| 24) Nitrobenzene | 7.475 | 77 | 886597 | 46.01 | ng | | 93 |
| 25) Isophorone | 7.722 | 82 | 1528291 | 45.55 | ng | | 99 |
| 26) 2-Nitrophenol | 7.792 | 139 | 437572 | 50.26 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.828 | 122 | 743868 | 53.66 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.928 | 93 | 1047842 | 46.20 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.033 | 162 | 671680 | 46.41 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.122 | 180 | 676695 | 43.89 | ng | | 92 |
| 31) Naphthalene | 8.204 | 128 | 2332112 | 46.88 | ng | | 99 |
| 32) Benzoic acid | 7.957 | 122 | 567221m | 48.70 | ng | | |
| 33) 4-Chloroaniline | 8.245 | 127 | 612920 | 28.24 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.322 | 225 | 355984 | 42.24 | ng | | 100 |
| 35) Caprolactam | 8.622 | 113 | 232397m | 47.24 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.727 | 107 | 788094 | 51.19 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.898 | 142 | 1667668 | 48.60 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.998 | 142 | 1470087 | 45.36 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 9.063 | 216 | 515833 | 37.24 | ng | # | 95 |
| 41) Hexachlorocyclopentadiene | 9.051 | 237 | 681756 | 101.31 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.169 | 196 | 437736 | 42.39 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 451274 | 43.07 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 9.363 | 154 | 1779972 | 43.37 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.386 | 162 | 1392849 | 40.68 | ng | | 98 |
| 48) 2-Nitroaniline | 9.474 | 65 | 524010 | 44.90 | ng | # | 78 |
| 49) Acenaphthylene | 9.804 | 152 | 2044101 | 40.92 | ng | | 100 |
| 50) Dimethylphthalate | 9.663 | 163 | 1604456 | 40.96 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.722 | 165 | 360283 | 42.06 | ng | # | 82 |
| 52) Acenaphthene | 9.974 | 154 | 1509147 | 46.74 | ng | | 98 |
| 53) 3-Nitroaniline | 9.886 | 138 | 286652 | 27.07 | ng | | 85 |
| 54) 2,4-Dinitrophenol | 9.992 | 184 | 336036 | 70.47 | ng | # | 76 |
| 55) Dibenzofuran | 10.151 | 168 | 1853371 | 41.18 | ng | | 99 |
| 56) 4-Nitrophenol | 10.045 | 139 | 695856 | 89.15 | ng | # | 75 |
| 57) 2,4-Dinitrotoluene | 10.127 | 165 | 477110 | 43.30 | ng | | 92 |
| 58) Fluorene | 10.492 | 166 | 1360161 | 38.64 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.263 | 232 | 364039 | 43.53 | ng | # | 80 |
| 60) Diethylphthalate | 10.363 | 149 | 1516574 | 39.84 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204 | 613740 | 38.77 | ng | | 89 |
| 62) 4-Nitroaniline | 10.504 | 138 | 385715 | 36.93 | ng | | 98 |
| 63) Azobenzene | 10.639 | 77 | 1710823 | 44.92 | ng | | 90 |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198 | 205942 | 43.27 | ng | # | 77 |
| 66) n-Nitrosodiphenylamine | 10.598 | 169 | 1314100 | 41.66 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.974 | 248 | 374536 | 36.25 | ng | | 97 |
| 68) Hexachlorobenzene | 11.039 | 284 | 419396 | 35.50 | ng | # | 94 |
| 69) Atrazine | 11.127 | 200 | 276260 | 32.89 | ng | | 97 |
| 70) Pentachlorophenol | 11.233 | 266 | 454197 | 73.10 | ng | | 97 |
| 71) Phenanthrene | 11.457 | 178 | 2114431 | 41.76 | ng | | 99 |
| 72) Anthracene | 11.510 | 178 | 1975037 | 39.46 | ng | | 100 |
| 73) Carbazole | 11.657 | 167 | 1885505 | 38.87 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.992 | 149 | 2170217 | 37.80 | ng | | 99 |
| 75) Fluoranthene | 12.645 | 202 | 1877091 | 36.64 | ng | | 95 |
| 77) Benzidine | 12.762 | 184 | 921866 | 65.74 | ng | | 100 |
| 78) Pyrene | 12.874 | 202 | 1954054 | 46.08 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.492 | 149 | 967772 | 50.92 | ng | | 89 |
| 81) Benzo(a)anthracene | 14.062 | 228 | 1575760 | 44.46 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.027 | 252 | 477369 | 41.14 | ng | | 99 |
| 83) Chrysene | 14.104 | 228 | 1480150 | 41.41 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.057 | 149 | 1206012 | 47.60 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.668 | 149 | 1964501 | 47.93 | ng | # | 86 |
| 87) Indeno(1,2,3-cd)pyrene | 17.050 | 276 | 1759949 | 57.87 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 15.121 | 252 | 1722082m | 52.85 | ng | | |
| 89) Benzo(k)fluoranthene | 15.156 | 252 | 1504222 | 45.03 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.498 | 252 | 1273989 | 43.28 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.074 | 278 | 1438050 | 57.71 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.509 | 276 | 1265501 | 52.46 | ng | # | 95 |

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

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