Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118686.D
Acq On : 24 Jan 2020 15:28
Operator : CG/JU
Sample : L1241-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EP-12MSD

**Manual Integrations APPROVED**
mohammad
1/28/2020 8:12:13 AM

Quant Time: Jan 27 01:29:46 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 266135 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.15 | 136 | 994783 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 549465 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 11.38 | 188 | 1007864 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 14.02 | 240 | 600016 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 15.47 | 264 | 627840 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1863837 | 130.07 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 2253997 | 121.02 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1448738 | 81.46 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 775012 | 121.95 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 2830612 | 84.67 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.97 | 244 | 3344931 | 121.59 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.68 | 88 | 311186 | 44.836 | ng | | 96 |
| 3) Pyridine | 3.47 | 79 | 803087 | 41.054 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.37 | 42 | 362697 | 43.247 | ng | # | 78 |
| 6) Aniline | 6.53 | 93 | 726659 | 29.630 | ng | | 95 |
| 8) 2-Chlorophenol | 6.65 | 128 | 842771 | 52.399 | ng | | 96 |
| 9) Benzaldehyde | 6.41 | 77 | 418073 | 36.910 | ng | | 92 |
| 10) Phenol | 6.51 | 94 | 1033285 | 48.682 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 776171 | 49.288 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 909281 | 48.301 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 916808 | 48.515 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 864487 | 48.664 | ng | | 98 |
| 15) Benzyl Alcohol | 7.00 | 79 | 712155 | 48.217 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 921567 | 42.014 | ng | | 99 |
| 17) 2-Methylphenol | 7.12 | 107 | 674542 | 50.349 | ng | | 97 |
| 18) Hexachloroethane | 7.38 | 117 | 318801 | 46.524 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 548337 | 43.602 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 794158 | 48.551 | ng | | 94 |
| 22) Acetophenone | 7.27 | 105 | 1034463 | 43.897 | ng | # | 93 |
| 24) Nitrobenzene | 7.45 | 77 | 842669 | 46.274 | ng | | 93 |
| 25) Isophorone | 7.69 | 82 | 1517842 | 46.791 | ng | | 98 |
| 26) 2-Nitrophenol | 7.76 | 139 | 452648 | 58.288 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 718611 | 53.588 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 947389 | 45.326 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 720006 | 48.570 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 812080 | 47.246 | ng | | 99 |
| 31) Naphthalene | 8.17 | 128 | 2268206 | 50.474 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 512516 | 50.925 | ng | | 95 |
| 33) 4-Chloroaniline | 8.21 | 127 | 305814 | 14.724 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 472952 | 45.184 | ng | | 100 |
| 35) Caprolactam | 8.58 | 113 | 242979m | 50.086 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 720204 | 49.198 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1591871 | 50.186 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 1495268 | 49.619 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 770446 | 44.813 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.02 | 237 | 814410 | 93.890 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.13 | 196 | 559297 | 49.024 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.17 | 196 | 586662 | 50.351 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 1913549 | 50.531 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 1545586 | 48.423 | ng | | 98 |
| 48) 2-Nitroaniline | 9.44 | 65 | 433349 | 44.166 | ng | | 86 |
| 49) Acenaphthylene | 9.76 | 152 | 2371121 | 52.805 | ng | | 97 |
| 50) Dimethylphthalate | 9.62 | 163 | 2125683 | 59.379 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.68 | 165 | 422095 | 52.655 | ng | # | 81 |
| 52) Acenaphthene | 9.93 | 154 | 1584589 | 52.774 | ng | | 99 |
| 53) 3-Nitroaniline | 9.85 | 138 | 236456 | 25.832 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.95 | 184 | 382675 | 119.575 | ng | # | 37 |
| 55) Dibenzofuran | 10.11 | 168 | 2138447 | 51.392 | ng | | 95 |
| 56) 4-Nitrophenol | 10.01 | 139 | 711822 | 103.013 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 10.09 | 165 | 555490 | 54.968 | ng | | 87 |
| 58) Fluorene | 10.45 | 166 | 1591198 | 48.711 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 515210 | 50.273 | ng | | 97 |
| 60) Diethylphthalate | 10.32 | 149 | 1709805 | 49.261 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204 | 846207 | 47.630 | ng | | 97 |
| 62) 4-Nitroaniline | 10.46 | 138 | 380049 | 40.477 | ng | | 93 |
| 63) Azobenzene | 10.60 | 77 | 1569355 | 46.687 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 278406 | 62.820 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 1502689 | 49.439 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 580487 | 46.619 | ng | # | 94 |
| 68) Hexachlorobenzene | 11.00 | 284 | 643788 | 45.603 | ng | | 97 |
| 69) Atrazine | 11.08 | 200 | 495926 | 47.074 | ng | | 99 |
| 70) Pentachlorophenol | 11.19 | 266 | 711403 | 90.638 | ng | | 98 |
| 71) Phenanthrene | 11.41 | 178 | 2412145 | 49.608 | ng | | 95 |
| 72) Anthracene | 11.46 | 178 | 2480638 | 51.559 | ng | | 96 |
| 73) Carbazole | 11.61 | 167 | 2152555 | 48.777 | ng | | 97 |
| 74) Di-n-butylphthalate | 11.94 | 149 | 2496042 | 50.908 | ng | | 98 |
| 75) Fluoranthene | 12.59 | 202 | 2617212 | 51.034 | ng | | 98 |
| 77) Benzidine | 12.71 | 184 | 1167901 | 72.848 | ng | | 99 |
| 78) Pyrene | 12.82 | 202 | 2600035 | 63.827 | ng | | 95 |
| 80) Butylbenzylphthalate | 13.44 | 149 | 1063208 | 63.774 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.01 | 228 | 1845962 | 51.143 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 13.97 | 252 | 442588 | 34.412 | ng | | 97 |
| 83) Chrysene | 14.04 | 228 | 1796961 | 51.946 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1260715 | 61.897 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.61 | 149 | 1850595 | 61.383 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 16.95 | 276 | 2252716 | 74.947 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.05 | 252 | 1829989 | 46.371 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.09 | 252 | 1610862 | 44.058 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.42 | 252 | 1622342 | 47.655 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 1845296 | 61.279 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.39 | 276 | 1957191 | 66.939 | ng | | 97 |

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

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