Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042220\
Data File : BF120132.D
Acq On : 22 Apr 2020 15:43
Operator : MA/SJ
Sample : PB128411BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB128411BS

**Manual Integrations APPROVED**
mohammad
4/24/2020 4:17:56 AM

Quant Time: Apr 22 16:14:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 11:49:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.67 | 152 | 133490 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.96 | 136 | 502759 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.72 | 164 | 254669 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.20 | 188 | 496515 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.84 | 240 | 376908 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.25 | 264 | 341280 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 1027532 | 133.03 | ng | | 0.01 |
| 7) Phenol-d6 | 6.33 | 99 | 1320089 | 132.63 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.25 | 82 | 808329 | 83.18 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.52 | 330 | 342514 | 109.85 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.05 | 172 | 1537101 | 85.69 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.79 | 244 | 1726407 | 77.07 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.37 | 88 | 139511 | 40.55 | ng | | 98 |
| 3) Pyridine | 3.05 | 79 | 359452 | 38.08 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.00 | 42 | 215181 | 44.62 | ng | | 97 |
| 6) Aniline | 6.34 | 93 | 426472 | 32.65 | ng | # | 38 |
| 8) 2-Chlorophenol | 6.46 | 128 | 410050 | 47.51 | ng | | 98 |
| 9) Benzaldehyde | 6.22 | 77 | 168745 | 27.48 | ng | | 98 |
| 10) Phenol | 6.33 | 94 | 515772 | 45.68 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.42 | 93 | 390106 | 44.74 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.62 | 146 | 424382 | 44.91 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 6.69 | 146 | 425448 | 44.20 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.85 | 146 | 400888 | 45.19 | ng | | 99 |
| 15) Benzyl Alcohol | 6.83 | 79 | 340459 | 44.04 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.96 | 45 | 671354 | 39.57 | ng | | 94 |
| 17) 2-Methylphenol | 6.95 | 107 | 329756 | 42.81 | ng | | 98 |
| 18) Hexachloroethane | 7.19 | 117 | 161126 | 44.79 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.10 | 70 | 276850 | 43.26 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 419188 | 44.50 | ng | | 90 |
| 22) Acetophenone | 7.09 | 105 | 552650 | 46.94 | ng | # | 92 |
| 24) Nitrobenzene | 7.26 | 77 | 433933 | 44.39 | ng | | 99 |
| 25) Isophorone | 7.51 | 82 | 768137 | 41.00 | ng | | 99 |
| 26) 2-Nitrophenol | 7.58 | 139 | 219328 | 44.91 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.63 | 122 | 339327 | 46.07 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.72 | 93 | 484302 | 43.93 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.83 | 162 | 328051 | 43.45 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.91 | 180 | 365094 | 42.67 | ng | | 98 |
| 31) Naphthalene | 7.99 | 128 | 1169439 | 44.21 | ng | | 99 |
| 32) Benzoic acid | 7.76 | 122 | 251720 | 38.91 | ng | | 98 |
| 33) 4-Chloroaniline | 8.04 | 127 | 223514 | 19.41 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.10 | 225 | 212444 | 41.48 | ng | | 96 |
| 35) Caprolactam | 8.41 | 113 | 101908m | 44.12 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.53 | 107 | 355575 | 43.50 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.68 | 142 | 771907 | 43.04 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.78 | 142 | 732979 | 43.36 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.85 | 216 | 345410 | 42.94 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.83 | 237 | 341495 | 74.66 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 8.96 | 196 | 233621 | 42.06 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.00 | 196 | 251740 | 40.24 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.15 | 154 | 927808 | 43.16 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.17 | 162 | 723186 | 43.67 | ng | | 99 |
| 48) 2-Nitroaniline | 9.27 | 65 | 255535 | 42.58 | ng | | 93 |
| 49) Acenaphthylene | 9.58 | 152 | 1148976 | 45.62 | ng | | 98 |
| 50) Dimethylphthalate | 9.45 | 163 | 833711 | 42.32 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.51 | 165 | 189313 | 43.89 | ng | | 89 |
| 52) Acenaphthene | 9.76 | 154 | 680046 | 40.48 | ng | | 98 |
| 53) 3-Nitroaniline | 9.68 | 138 | 127584 | 25.90 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 9.79 | 184 | 200249 | 77.54 | ng | | 95 |
| 55) Dibenzofuran | 9.93 | 168 | 1023780 | 44.41 | ng | | 100 |
| 56) 4-Nitrophenol | 9.86 | 139 | 298826 | 81.52 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 9.92 | 165 | 242647 | 42.70 | ng | | 95 |
| 58) Fluorene | 10.27 | 166 | 809129 | 43.89 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.05 | 232 | 211117 | 44.12 | ng | | 99 |
| 60) Diethylphthalate | 10.15 | 149 | 846736 | 41.47 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204 | 377448 | 39.95 | ng | | 98 |
| 62) 4-Nitroaniline | 10.30 | 138 | 206310 | 43.94 | ng | | 97 |
| 63) Azobenzene | 10.42 | 77 | 814797 | 44.53 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.33 | 198 | 139254 | 42.57 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 10.39 | 169 | 724714 | 43.89 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.75 | 248 | 237024 | 38.39 | ng | | 97 |
| 68) Hexachlorobenzene | 10.82 | 284 | 255053 | 40.72 | ng | | 98 |
| 69) Atrazine | 10.92 | 200 | 218178 | 47.49 | ng | | 97 |
| 70) Pentachlorophenol | 11.02 | 266 | 249918 | 69.23 | ng | | 97 |
| 71) Phenanthrene | 11.23 | 178 | 1163861 | 44.04 | ng | | 98 |
| 72) Anthracene | 11.28 | 178 | 1212345 | 44.91 | ng | | 98 |
| 73) Carbazole | 11.44 | 167 | 1111956 | 43.56 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.77 | 149 | 1347488 | 40.15 | ng | | 99 |
| 75) Fluoranthene | 12.42 | 202 | 1303642 | 45.72 | ng | | 99 |
| 77) Benzidine | 12.54 | 184 | 558546 | 43.84 | ng | | 97 |
| 78) Pyrene | 12.65 | 202 | 1307107 | 41.14 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.27 | 149 | 573836 | 37.22 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.83 | 228 | 1074685 | 43.34 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.80 | 252 | 244935 | 26.47 | ng | # | 98 |
| 83) Chrysene | 13.87 | 228 | 1107034 | 43.94 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.83 | 149 | 738208 | 35.36 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.44 | 149 | 1316378 | 37.03 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.62 | 276 | 922532 | 41.54 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.86 | 252 | 998740 | 40.68 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.89 | 252 | 990871 | 46.78 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.20 | 252 | 890152 | 43.12 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.63 | 278 | 759106 | 41.52 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.03 | 276 | 743067 | 41.17 | ng | | 96 |

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

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