Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120341.D
Acq On : 18 May 2020 15:02
Operator : MA/SJ
Sample : PB128931BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB128931BS

**Manual Integrations APPROVED**
mohammad
5/19/2020 3:05:07 PM

Quant Time: May 18 15:33:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 18 15:23:07 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.60 | 152 | 335649 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.89 | 136 | 1345530 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.65 | 164 | 679649 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.13 | 188 | 1094839 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.76 | 240 | 773913 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.14 | 264 | 734390 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.23 | 112 | 2265878 | 131.35 | ng | | 0.02 |
| 7) Phenol-d6 | 6.27 | 99 | 2912874 | 133.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.17 | 82 | 1927580 | 98.08 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.44 | 330 | 709736 | 128.08 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.97 | 172 | 3621787 | 109.48 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.71 | 244 | 3180500 | 90.79 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 375574 | 54.730 | ng | | 99 |
| 3) Pyridine | 2.96 | 79 | 826285 | 38.305 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.92 | 42 | 430981 | 51.025 | ng | | 100 |
| 6) Aniline | 6.27 | 93 | 1022054 | 36.634 | ng | | 96 |
| 8) 2-Chlorophenol | 6.39 | 128 | 959564 | 47.707 | ng | | 99 |
| 9) Benzaldehyde | 6.15 | 77 | 583488 | 43.388 | ng | | 99 |
| 10) Phenol | 6.28 | 94 | 1143244 | 44.893 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 907548 | 44.614 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.54 | 146 | 964908 | 44.832 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.62 | 146 | 1004012 | 45.292 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.77 | 146 | 872843 | 43.725 | ng | | 98 |
| 15) Benzyl Alcohol | 6.76 | 79 | 715459 | 46.164 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.89 | 45 | 1463288 | 45.646 | ng | | 78 |
| 17) 2-Methylphenol | 6.88 | 107 | 738684 | 43.504 | ng | | 95 |
| 18) Hexachloroethane | 7.11 | 117 | 370727 | 43.900 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.03 | 70 | 634376 | 44.387 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.04 | 107 | 950189 | 43.041 | ng | | 96 |
| 22) Acetophenone | 7.02 | 105 | 1281570 | 46.493 | ng | | 96 |
| 24) Nitrobenzene | 7.19 | 77 | 980649 | 46.366 | ng | | 97 |
| 25) Isophorone | 7.44 | 82 | 1839997 | 44.998 | ng | | 99 |
| 26) 2-Nitrophenol | 7.51 | 139 | 536767 | 48.526 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 819717 | 50.943 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 1191802 | 46.371 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.76 | 162 | 772215 | 46.727 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.83 | 180 | 837367 | 45.724 | ng | | 98 |
| 31) Naphthalene | 7.91 | 128 | 2645819 | 46.592 | ng | | 100 |
| 32) Benzoic acid | 7.72 | 122 | 475763 | 45.108 | ng | | 95 |
| 33) 4-Chloroaniline | 7.97 | 127 | 763053 | 29.485 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.03 | 225 | 467860 | 44.200 | ng | | 95 |
| 35) Caprolactam | 8.36 | 113 | 272430m | 50.389 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.47 | 107 | 913171 | 51.079 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.60 | 142 | 1944586 | 50.039 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.70 | 142 | 1884562 | 50.001 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.77 | 216 | 871138 | 50.832 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.76 | 237 | 757329 | 104.881 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 8.89 | 196 | 566752 | 49.268 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 8.94 | 196 | 611293 | 46.272 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 2302727 | 51.710 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.09 | 162 | 1749650 | 48.981 | ng | 99 |
| 48) 2-Nitroaniline | 9.20 | 65 | 625560 | 47.997 | ng | 98 |
| 49) Acenaphthylene | 9.50 | 152 | 2731047 | 50.051 | ng | 100 |
| 50) Dimethylphthalate | 9.38 | 163 | 2049868 | 47.712 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.45 | 165 | 462709 | 48.254 | ng | 87 |
| 52) Acenaphthene | 9.67 | 154 | 1463196 | 44.737 | ng | 100 |
| 53) 3-Nitroaniline | 9.61 | 138 | 319043 | 27.900 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.73 | 184 | 399674 | 88.300 | ng | 94 |
| 55) Dibenzofuran | 9.85 | 168 | 2148049 | 45.606 | ng | 99 |
| 56) 4-Nitrophenol | 9.80 | 139 | 524687 | 85.394 | ng | 89 |
| 57) 2,4-Dinitrotoluene | 9.85 | 165 | 494210 | 43.936 | ng | 97 |
| 58) Fluorene | 10.19 | 166 | 1580394 | 44.059 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 420017 | 42.247 | ng | 95 |
| 60) Diethylphthalate | 10.08 | 149 | 1749465 | 42.178 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.19 | 204 | 765448 | 41.044 | ng | 96 |
| 62) 4-Nitroaniline | 10.23 | 138 | 438210 | 41.154 | ng | 98 |
| 63) Azobenzene | 10.35 | 77 | 1697593 | 43.304 | ng | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 10.26 | 198 | 278101 | 50.226 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 10.31 | 169 | 1491119 | 49.229 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 462564 | 43.539 | ng | 97 |
| 68) Hexachlorobenzene | 10.74 | 284 | 503981 | 45.344 | ng | 96 |
| 69) Atrazine | 10.85 | 200 | 394297 | 43.504 | ng | 99 |
| 70) Pentachlorophenol | 10.94 | 266 | 438390 | 92.739 | ng | 99 |
| 71) Phenanthrene | 11.15 | 178 | 2190655 | 47.618 | ng | 99 |
| 72) Anthracene | 11.20 | 178 | 2353519 | 47.787 | ng | 100 |
| 73) Carbazole | 11.36 | 167 | 2138636 | 46.475 | ng | 100 |
| 74) Di-n-butylphthalate | 11.69 | 149 | 2570082 | 46.342 | ng | 99 |
| 75) Fluoranthene | 12.33 | 202 | 2454460 | 49.776 | ng | 99 |
| 77) Benzidine | 12.46 | 184 | 1324692 | 58.616 | ng | 96 |
| 78) Pyrene | 12.56 | 202 | 2482853 | 45.002 | ng | 100 |
| 80) Butylbenzylphthalate | 13.19 | 149 | 1088769 | 41.908 | ng | 96 |
| 81) Benzo(a)anthracene | 13.75 | 228 | 1866629 | 45.730 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.72 | 252 | 533307 | 34.670 | ng | 98 |
| 83) Chrysene | 13.79 | 228 | 2005755 | 45.760 | ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 1366788 | 42.285 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.36 | 149 | 2547212 | 43.805 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.46 | 276 | 1710413 | 42.995 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.76 | 252 | 1886948 | 47.048 | ng | 98 |
| 89) Benzo(k)fluoranthene | 14.79 | 252 | 1718302 | 49.451 | ng | 100 |
| 90) Benzo(a)pyrene | 15.09 | 252 | 1643231 | 45.685 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.47 | 278 | 1417763 | 44.493 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 16.85 | 276 | 1453813 | 45.244 | ng | 98 |

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

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