Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051820\
Data File : BG045415.D
Acq On : 18 May 2020 16:28
Operator : CG/JU
Sample : PB128957BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB128957BS

**Manual Integrations APPROVED**
mohammad
5/19/2020 3:05:57 PM

Quant Time: May 18 17:04:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 18 15:47:17 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.96 | 152 | 76624 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.78 | 136 | 324708 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.61 | 164 | 233661 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.36 | 188 | 559693 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.62 | 240 | 514145 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.78 | 264 | 549152 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 582892 | 148.67 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 840386 | 150.59 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.13 | 82 | 525763 | 88.30 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.11 | 330 | 392391 | 131.31 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.23 | 172 | 1205962 | 87.54 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.98 | 244 | 2037064 | 92.41 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.41 | 88 | 74580 | 38.359 | ng | | 97 |
| 3) Pyridine | 3.82 | 79 | 175376 | 32.387 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 76774 | 43.328 | ng | | 92 |
| 6) Aniline | 7.30 | 93 | 284116 | 39.001 | ng | | 98 |
| 8) 2-Chlorophenol | 7.56 | 128 | 216062 | 50.251 | ng | | 99 |
| 9) Benzaldehyde | 7.10 | 77 | 152328 | 41.896 | ng | | 97 |
| 10) Phenol | 7.24 | 94 | 290977 | 50.592 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.39 | 93 | 196057 | 43.703 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.86 | 146 | 226837 | 43.901 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.00 | 146 | 233663 | 45.825 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.32 | 146 | 217256 | 44.299 | ng | | 98 |
| 15) Benzyl Alcohol | 8.23 | 79 | 223019 | 48.377 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49 | 45 | 193668 | 45.480 | ng | | 92 |
| 17) 2-Methylphenol | 8.47 | 107 | 202895 | 47.131 | ng | | 95 |
| 18) Hexachloroethane | 9.05 | 117 | 85021 | 43.535 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.77 | 70 | 184286 | 47.755 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 268616 | 45.822 | ng | # | 60 |
| 22) Acetophenone | 8.79 | 105 | 329362 | 42.797 | ng | # | 94 |
| 24) Nitrobenzene | 9.17 | 77 | 270138 | 42.344 | ng | | 95 |
| 25) Isophorone | 9.70 | 82 | 508631 | 43.374 | ng | | 100 |
| 26) 2-Nitrophenol | 9.88 | 139 | 125235 | 45.889 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 9.98 | 122 | 216258 | 53.428 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.18 | 93 | 277082 | 45.055 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 10.46 | 162 | 225434 | 47.164 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.64 | 180 | 242677 | 42.967 | ng | | 98 |
| 31) Naphthalene | 10.82 | 128 | 672811 | 44.465 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 156325 | 54.951 | ng | | 95 |
| 33) 4-Chloroaniline | 10.95 | 127 | 159112 | 25.157 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.12 | 225 | 162253 | 40.640 | ng | | 98 |
| 35) Caprolactam | 11.72 | 113 | 82439m | 46.989 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 265276 | 49.252 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.43 | 142 | 513390 | 45.522 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.66 | 142 | 490236 | 46.017 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.80 | 216 | 281686 | 43.160 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.79 | 237 | 392085 | 104.084 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.06 | 196 | 206464 | 45.540 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.16 | 196 | 220192 | 42.501 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.44 | 154 | 665676 | 46.365 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.49 | 162 | 504073 | 43.236 | ng | | 98 |
| 48) 2-Nitroaniline | 13.70 | 65 | 168721 | 43.994 | ng | | 94 |
| 49) Acenaphthylene | 14.33 | 152 | 852293 | 45.512 | ng | | 99 |
| 50) Dimethylphthalate | 14.07 | 163 | 706702 | 44.089 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.18 | 165 | 158940 | 43.943 | ng | | 97 |
| 52) Acenaphthene | 14.68 | 154 | 497446 | 39.683 | ng | | 97 |
| 53) 3-Nitroaniline | 14.53 | 138 | 103193 | 28.066 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.73 | 184 | 177961 | 75.444 | ng | | 97 |
| 55) Dibenzofuran | 15.01 | 168 | 813968 | 43.726 | ng | | 98 |
| 56) 4-Nitrophenol | 14.91 | 139 | 251129 | 90.215 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 14.98 | 165 | 227641 | 43.457 | ng | | 96 |
| 58) Fluorene | 15.66 | 166 | 677789 | 44.319 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.26 | 232 | 197652 | 43.364 | ng | | 99 |
| 60) Diethylphthalate | 15.43 | 149 | 726869 | 43.568 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.65 | 204 | 370968 | 42.389 | ng | | 99 |
| 62) 4-Nitroaniline | 15.70 | 138 | 163027 | 42.472 | ng | | 94 |
| 63) Azobenzene | 15.95 | 77 | 690847 | 44.409 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 139297 | 42.734 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.87 | 169 | 614181 | 45.704 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.55 | 248 | 257842 | 42.544 | ng | | 99 |
| 68) Hexachlorobenzene | 16.67 | 284 | 279083 | 44.027 | ng | | 96 |
| 69) Atrazine | 16.82 | 200 | 238850 | 43.152 | ng | | 97 |
| 70) Pentachlorophenol | 17.03 | 266 | 260210 | 79.058 | ng | | 95 |
| 71) Phenanthrene | 17.40 | 178 | 1102997 | 45.142 | ng | | 100 |
| 72) Anthracene | 17.49 | 178 | 1143797 | 46.615 | ng | | 97 |
| 73) Carbazole | 17.77 | 167 | 1051617 | 43.968 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.33 | 149 | 1259486 | 43.873 | ng | | 99 |
| 75) Fluoranthene | 19.41 | 202 | 1379076 | 44.374 | ng | | 98 |
| 77) Benzidine | 19.60 | 184 | 712335 | 49.331 | ng | | 98 |
| 78) Pyrene | 19.77 | 202 | 1363525 | 46.523 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.66 | 149 | 561774 | 44.407 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.60 | 228 | 1284949 | 44.863 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.52 | 252 | 328553 | 29.244 | ng | | 98 |
| 83) Chrysene | 21.67 | 228 | 1241549 | 45.082 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 771490 | 44.365 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.71 | 149 | 1297993 | 43.459 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.37 | 276 | 1556938 | 43.233 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.78 | 252 | 1322936 | 44.919 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.85 | 252 | 1325840 | 47.917 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.64 | 252 | 1233794 | 44.981 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 28.43 | 278 | 1284525 | 46.602 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 29.49 | 276 | 1294468 | 46.957 | ng | | 98 |

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

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