Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
Data File : BF121360.D
Acq On : 21 Aug 2020 10:34
Operator : JU/CG
Sample : PB131046BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB131046BS

**Manual Integrations APPROVED**
Sohil
8/24/2020 1:49:56 PM

Quant Time: Aug 21 13:20:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 20 04:56:10 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 165107 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.98 | 136 | 633324 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.73 | 164 | 324303 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.22 | 188 | 600123 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.86 | 240 | 465178 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.27 | 264 | 481901 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 934626 | 92.82 | ng | | 0.02 |
| 7) Phenol-d6 | 6.35 | 99 | 1112293 | 86.53 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 778394 | 69.51 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.53 | 330 | 342340 | 90.59 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.06 | 172 | 1359456 | 79.66 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.80 | 244 | 1351099 | 56.76 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.45 | 88 | 245462 | 53.871 | ng | | 100 |
| 3) Pyridine | 3.15 | 79 | 360006 | 29.438 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.10 | 42 | 197582 | 39.695 | ng | | 99 |
| 6) Aniline | 6.36 | 93 | 482881 | 32.534 | ng | # | 57 |
| 8) 2-Chlorophenol | 6.49 | 128 | 439089 | 41.723 | ng | | 100 |
| 9) Benzaldehyde | 6.25 | 77 | 283136 | 39.154 | ng | | 95 |
| 10) Phenol | 6.36 | 94 | 477599 | 35.435 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 413482 | 39.833 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 431336 | 36.583 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 437805 | 36.782 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 418495 | 36.919 | ng | | 98 |
| 15) Benzyl Alcohol | 6.85 | 79 | 346376 | 44.786 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 555577 | 36.350 | ng | | 94 |
| 17) 2-Methylphenol | 6.97 | 107 | 339757 | 39.127 | ng | | 95 |
| 18) Hexachloroethane | 7.20 | 117 | 162685 | 36.707 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 261866 | 37.880 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 393788 | 45.963 | ng | | 95 |
| 22) Acetophenone | 7.12 | 105 | 549137 | 37.087 | ng | | 99 |
| 24) Nitrobenzene | 7.29 | 77 | 431602 | 37.816 | ng | | 98 |
| 25) Isophorone | 7.53 | 82 | 811509 | 39.821 | ng | | 100 |
| 26) 2-Nitrophenol | 7.60 | 139 | 238289 | 40.709 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 377324 | 45.176 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93 | 515869 | 37.186 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 353071 | 38.718 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 380293 | 36.469 | ng | | 99 |
| 31) Naphthalene | 8.00 | 128 | 1187958 | 37.689 | ng | | 100 |
| 32) Benzoic acid | 7.80 | 122 | 181561 | 30.776 | ng | | 99 |
| 33) 4-Chloroaniline | 8.06 | 127 | 455374 | 32.626 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 218211 | 35.359 | ng | | 99 |
| 35) Caprolactam | 8.44 | 113 | 129742m | 43.442 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 367716 | 39.870 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 796133 | 38.969 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.79 | 142 | 736020 | 37.890 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 366206 | 38.046 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.85 | 237 | 318758 | 83.339 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 8.98 | 196 | 252220 | 38.329 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.02 | 196 | 270957 | 40.023 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.16 | 154 | 957819 | 39.406 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.19 | 162 | 738851 | 36.896 | ng | | 97 |
| 48) 2-Nitroaniline | 9.29 | 65 | 241438 | 38.292 | ng | | 93 |
| 49) Acenaphthylene | 9.60 | 152 | 1168887 | 39.298 | ng | | 100 |
| 50) Dimethylphthalate | 9.46 | 163 | 892204 | 37.815 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.53 | 165 | 201890 | 40.067 | ng | | 93 |
| 52) Acenaphthene | 9.77 | 154 | 677264 | 37.474 | ng | | 99 |
| 53) 3-Nitroaniline | 9.70 | 138 | 180323 | 28.607 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.82 | 184 | 192642 | 79.302 | ng | | 93 |
| 55) Dibenzofuran | 9.94 | 168 | 981437 | 42.212 | ng | | 98 |
| 56) 4-Nitrophenol | 9.88 | 139 | 282322 | 72.624 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 9.94 | 165 | 234932 | 38.218 | ng | | 90 |
| 58) Fluorene | 10.29 | 166 | 756363 | 44.511 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.06 | 232 | 221513 | 38.276 | ng | | 98 |
| 60) Diethylphthalate | 10.16 | 149 | 857553 | 37.221 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.27 | 204 | 368794 | 42.872 | ng | | 99 |
| 62) 4-Nitroaniline | 10.32 | 138 | 231877 | 35.902 | ng | | 100 |
| 63) Azobenzene | 10.43 | 77 | 820903 | 38.361 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.35 | 198 | 141636 | 44.131 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.40 | 169 | 742451 | 40.108 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.76 | 248 | 258656 | 38.855 | ng | | 99 |
| 68) Hexachlorobenzene | 10.83 | 284 | 289089 | 37.674 | ng | | 95 |
| 69) Atrazine | 10.93 | 200 | 212771 | 37.105 | ng | | 97 |
| 70) Pentachlorophenol | 11.03 | 266 | 280933 | 82.286 | ng | | 99 |
| 71) Phenanthrene | 11.25 | 178 | 1148418 | 36.975 | ng | | 99 |
| 72) Anthracene | 11.30 | 178 | 1199328 | 40.098 | ng | | 100 |
| 73) Carbazole | 11.45 | 167 | 1140425 | 39.952 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.78 | 149 | 1324929 | 38.492 | ng | | 100 |
| 75) Fluoranthene | 12.43 | 202 | 1283740 | 38.079 | ng | | 97 |
| 77) Benzidine | 12.56 | 184 | 831695 | 64.895 | ng | | 99 |
| 78) Pyrene | 12.66 | 202 | 1322053 | 37.835 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.28 | 149 | 574192 | 38.242 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.84 | 228 | 1068601 | 36.985 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 13.81 | 252 | 365018 | 32.904 | ng | | 100 |
| 83) Chrysene | 13.89 | 228 | 1101174 | 37.265 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.84 | 149 | 685955 | 38.848 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.45 | 149 | 1341987 | 41.068 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.64 | 276 | 1159598 | 39.420 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 14.87 | 252 | 1132175 | 36.366 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 14.90 | 252 | 1083251 | 39.527 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.21 | 252 | 1015031 | 37.734 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 16.65 | 278 | 957099 | 39.683 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.05 | 276 | 980969 | 41.603 | ng | | 99 |

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

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