Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
Data File : BF118394.D
Acq On : 30 Dec 2019 21:24
Operator : JU
Sample : K6456-03MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-04MS

**Manual Integrations APPROVED**
mohammad
12/31/2019 12:04:35 PM

Quant Time: Dec 31 07:35:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 142180 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 560312 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 285880 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.40 | 188 | 469483 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 286975 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.55 | 264 | 274845 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 857366 | 102.93 | ng | | 0.02 |
| 7) Phenol-d6 | 6.50 | 99 | 1100697 | 106.53 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 660442 | 67.42 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 333391 | 94.43 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 1374509 | 73.39 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 1260091 | 72.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.65 | 88 | 121750 | 36.770 | ng | | 98 |
| 3) Pyridine | 3.42 | 79 | 289198 | 32.782 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.37 | 42 | 146578 | 40.187 | ng | | 98 |
| 6) Aniline | 6.52 | 93 | 295644 | 22.533 | ng | | 93 |
| 8) 2-Chlorophenol | 6.65 | 128 | 408084 | 43.259 | ng | | 98 |
| 9) Benzaldehyde | 6.40 | 77 | 219256 | 36.193 | ng | | 99 |
| 10) Phenol | 6.51 | 94 | 484932 | 41.756 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 352661 | 42.460 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 442793 | 40.756 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 451118 | 40.880 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.03 | 146 | 422120 | 40.516 | ng | | 97 |
| 15) Benzyl Alcohol | 7.00 | 79 | 325639 | 41.392 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 366280 | 41.328 | ng | | 64 |
| 17) 2-Methylphenol | 7.12 | 107 | 319769 | 42.263 | ng | | 97 |
| 18) Hexachloroethane | 7.36 | 117 | 151012 | 37.286 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 261664 | 41.108 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 417574 | 43.121 | ng | # | 81 |
| 22) Acetophenone | 7.27 | 105 | 552238 | 40.214 | ng | | 98 |
| 24) Nitrobenzene | 7.45 | 77 | 400272 | 40.788 | ng | | 96 |
| 25) Isophorone | 7.68 | 82 | 715152 | 41.887 | ng | | 99 |
| 26) 2-Nitrophenol | 7.76 | 139 | 218914 | 42.116 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 343148 | 48.386 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 459165 | 41.122 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 344818 | 42.243 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 376995 | 39.647 | ng | | 99 |
| 31) Naphthalene | 8.16 | 128 | 1175842 | 41.288 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 195862 | 34.514 | ng | | 95 |
| 33) 4-Chloroaniline | 8.22 | 127 | 114584 | 9.385 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 223364 | 39.462 | ng | | 98 |
| 35) Caprolactam | 8.60 | 113 | 107730m | 42.273 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 359585 | 41.030 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 816603 | 41.881 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.96 | 142 | 758684 | 41.300 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 354636 | 41.287 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.00 | 237 | 63180 | 24.534 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 242095 | 42.189 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 258392 | 43.772 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 957846 | 42.361 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 742992 | 40.827 | ng | | 99 |
| 48) 2-Nitroaniline | 9.45 | 65 | 203316 | 39.554 | ng | | 99 |
| 49) Acenaphthylene | 9.77 | 152 | 1137065 | 42.129 | ng | | 100 |
| 50) Dimethylphthalate | 9.62 | 163 | 1004848 | 46.826 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 194670 | 42.078 | ng | | 100 |
| 52) Acenaphthene | 9.94 | 154 | 668531 | 40.665 | ng | | 99 |
| 53) 3-Nitroaniline | 9.86 | 138 | 104717 | 19.285 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 37811 | 20.343 | ng | | 95 |
| 55) Dibenzofuran | 10.11 | 168 | 1011462 | 41.638 | ng | | 97 |
| 56) 4-Nitrophenol | 10.05 | 139 | 254378 | 75.884 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.10 | 165 | 244851 | 39.608 | ng | # | 86 |
| 58) Fluorene | 10.46 | 166 | 783845 | 39.973 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 192441 | 38.368 | ng | | 98 |
| 60) Diethylphthalate | 10.33 | 149 | 910254 | 42.876 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.45 | 204 | 403233 | 41.192 | ng | | 99 |
| 62) 4-Nitroaniline | 10.49 | 138 | 167211 | 29.642 | ng | | 93 |
| 63) Azobenzene | 10.61 | 77 | 740588 | 40.727 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 35933 | 14.188 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.57 | 169 | 711754 | 47.303 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.94 | 248 | 245340 | 44.653 | ng | | 95 |
| 68) Hexachlorobenzene | 11.01 | 284 | 267249 | 41.323 | ng | | 98 |
| 69) Atrazine | 11.10 | 200 | 237280 | 51.095 | ng | | 97 |
| 70) Pentachlorophenol | 11.21 | 266 | 210901 | 75.299 | ng | | 97 |
| 71) Phenanthrene | 11.43 | 178 | 1041257 | 40.684 | ng | | 99 |
| 72) Anthracene | 11.48 | 178 | 1071898 | 41.842 | ng | | 99 |
| 73) Carbazole | 11.63 | 167 | 898585 | 39.530 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.96 | 149 | 1348908 | 46.800 | ng | | 100 |
| 75) Fluoranthene | 12.62 | 202 | 931027 | 36.045 | ng | | 99 |
| 77) Benzidine | 12.74 | 184 | 770081 | 97.934 | ng | | 98 |
| 78) Pyrene | 12.85 | 202 | 914534 | 39.025 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.46 | 149 | 466016 | 44.165 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 836381 | 41.637 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 330741 | 48.562 | ng | | 100 |
| 83) Chrysene | 14.09 | 228 | 786518 | 40.892 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 704516 | 50.777 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 1143916 | 56.049 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.07 | 276 | 626164 | 38.207 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.11 | 252 | 792804 | 43.455 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.14 | 252 | 718511 | 41.016 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.49 | 252 | 640797 | 39.871 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.08 | 278 | 535863 | 38.422 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.53 | 276 | 485092 | 36.006 | ng | | 98 |

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

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