Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010220\
Data File : BF118431.D
Acq On : 2 Jan 2020 12:58
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
1/3/2020 11:04:01 AM

Quant Time: Jan 02 14:27:17 2020
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 | 87872 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 361660 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.90 | 164 | 176921 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.39 | 188 | 323005 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.05 | 240 | 256340 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.54 | 264 | 223531 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 335744 | 65.22 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 497235 | 77.86 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 492434 | 77.88 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 177125 | 81.07 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.22 | 172 | 1024465 | 88.39 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.98 | 244 | 1212768 | 78.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 67210 | 32.843 | ng | | 96 |
| 3) Pyridine | 3.35 | 79 | 169629m | 31.112 | ng | | |
| 4) n-Nitrosodimethylamine | 3.32 | 42 | 88946 | 39.458 | ng | # | 70 |
| 6) Aniline | 6.52 | 93 | 310033 | 38.233 | ng | | 94 |
| 8) 2-Chlorophenol | 6.64 | 128 | 231586 | 39.722 | ng | | 98 |
| 9) Benzaldehyde | 6.40 | 77 | 129066 | 34.473 | ng | | 97 |
| 10) Phenol | 6.50 | 94 | 280370 | 39.062 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 198158 | 38.604 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 267770 | 39.879 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 275972 | 40.464 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 258802 | 40.193 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 204564 | 42.072 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 217857 | 39.773 | ng | | 68 |
| 17) 2-Methylphenol | 7.11 | 107 | 185004 | 39.563 | ng | | 94 |
| 18) Hexachloroethane | 7.36 | 117 | 102938 | 41.124 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 160831 | 40.882 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 245745 | 41.061 | ng | | 99 |
| 22) Acetophenone | 7.26 | 105 | 346384 | 39.078 | ng | # | 92 |
| 24) Nitrobenzene | 7.44 | 77 | 241709 | 38.159 | ng | | 98 |
| 25) Isophorone | 7.68 | 82 | 418975 | 38.019 | ng | | 99 |
| 26) 2-Nitrophenol | 7.76 | 139 | 131373 | 39.157 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 173572 | 37.918 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 278076 | 38.583 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 204228 | 38.762 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 240754 | 39.226 | ng | | 97 |
| 31) Naphthalene | 8.16 | 128 | 754305 | 41.035 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 121620 | 33.419 | ng | | 98 |
| 33) 4-Chloroaniline | 8.21 | 127 | 305094 | 38.716 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 141810 | 38.815 | ng | | 98 |
| 35) Caprolactam | 8.59 | 113 | 59542m | 36.198 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 215658 | 38.124 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 476080 | 37.828 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.95 | 142 | 448766 | 37.848 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 219474 | 41.288 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.00 | 237 | 65982 | 35.186 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.14 | 196 | 145362 | 40.932 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 146017 | 39.969 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.32 | 154 | 623869 | 44.583 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.35 | 162 | 500940 | 44.479 | ng | | 99 |
| 48) 2-Nitroaniline | 9.45 | 65 | 142158 | 44.688 | ng | | 98 |
| 49) Acenaphthylene | 9.76 | 152 | 706378 | 42.290 | ng | | 99 |
| 50) Dimethylphthalate | 9.62 | 163 | 560253 | 42.187 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 120481 | 42.080 | ng | | 92 |
| 52) Acenaphthene | 9.93 | 154 | 410067 | 40.305 | ng | | 99 |
| 53) 3-Nitroaniline | 9.86 | 138 | 132513 | 39.433 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 9.98 | 184 | 60599 | 44.441 | ng | | 98 |
| 55) Dibenzofuran | 10.11 | 168 | 618932 | 41.171 | ng | | 98 |
| 56) 4-Nitrophenol | 10.04 | 139 | 101820 | 49.080 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.10 | 165 | 155166 | 40.558 | ng | # | 77 |
| 58) Fluorene | 10.45 | 166 | 493791 | 40.689 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 124798 | 40.205 | ng | | 98 |
| 60) Diethylphthalate | 10.32 | 149 | 536836 | 40.860 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204 | 243193 | 40.143 | ng | | 100 |
| 62) 4-Nitroaniline | 10.48 | 138 | 135989 | 38.954 | ng | | 89 |
| 63) Azobenzene | 10.60 | 77 | 476917 | 42.379 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 69630 | 39.960 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.56 | 169 | 431367 | 41.669 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.93 | 248 | 148039 | 39.163 | ng | | 98 |
| 68) Hexachlorobenzene | 11.00 | 284 | 171860 | 38.625 | ng | | 94 |
| 69) Atrazine | 11.09 | 200 | 123141 | 38.541 | ng | | 98 |
| 70) Pentachlorophenol | 11.20 | 266 | 79252 | 41.127 | ng | | 99 |
| 71) Phenanthrene | 11.42 | 178 | 742470 | 42.165 | ng | | 99 |
| 72) Anthracene | 11.47 | 178 | 759034 | 43.065 | ng | | 99 |
| 73) Carbazole | 11.63 | 167 | 641841 | 41.040 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.95 | 149 | 888179 | 44.789 | ng | | 99 |
| 75) Fluoranthene | 12.62 | 202 | 772893 | 43.492 | ng | | 99 |
| 77) Benzidine | 12.73 | 184 | 249929 | 35.583 | ng | | 100 |
| 78) Pyrene | 12.85 | 202 | 789860 | 37.733 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.45 | 149 | 358532 | 38.040 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.04 | 228 | 711565 | 39.657 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 220857 | 36.303 | ng | | 98 |
| 83) Chrysene | 14.07 | 228 | 680091 | 39.584 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 480735 | 38.789 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 717133 | 39.337 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.06 | 276 | 490607 | 33.513 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.10 | 252 | 587727 | 39.610 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.13 | 252 | 543917 | 38.177 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.47 | 252 | 508387 | 38.894 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.06 | 278 | 410702 | 36.208 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.50 | 276 | 369589 | 33.731 | ng | | 98 |

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

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