Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
Data File : BF119170.D
Acq On : 2 Mar 2020 15:47
Operator : CG/JU
Sample : PB127188BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB127188BS

**Manual Integrations APPROVED**
mohammad
3/3/2020 12:25:50 PM

Quant Time: Mar 03 07:48:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 146116 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.02 | 136 | 563240 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.77 | 164 | 324619 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.25 | 188 | 595634 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.89 | 240 | 422647 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.32 | 264 | 275280 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 865344 | 98.97 | ng | | 0.00 |
| 7) Phenol-d6 | 6.39 | 99 | 1066732 | 100.32 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 632941 | 59.33 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.56 | 330 | 393566 | 92.68 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.09 | 172 | 1315122 | 59.68 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.83 | 244 | 1551632 | 63.21 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 118488 | 30.438 | ng | | 98 |
| 3) Pyridine | 3.25 | 79 | 273167 | 25.694 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.18 | 42 | 111258 | 34.546 | ng | | 96 |
| 6) Aniline | 6.40 | 93 | 301323 | 22.965 | ng | # | 83 |
| 8) 2-Chlorophenol | 6.53 | 128 | 353924 | 37.509 | ng | | 99 |
| 9) Benzaldehyde | 6.29 | 77 | 87333 | 12.293 | ng | | 99 |
| 10) Phenol | 6.40 | 94 | 420476 | 36.574 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.47 | 93 | 313667 | 35.658 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.67 | 146 | 383346 | 33.897 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.75 | 146 | 392867 | 34.715 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 366432 | 35.503 | ng | | 99 |
| 15) Benzyl Alcohol | 6.89 | 79 | 295555 | 38.458 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 256186 | 33.620 | ng | # | 57 |
| 17) 2-Methylphenol | 7.00 | 107 | 289128 | 37.794 | ng | | 99 |
| 18) Hexachloroethane | 7.25 | 117 | 140085 | 34.599 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 237920 | 38.398 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 367441 | 39.205 | ng | | 96 |
| 22) Acetophenone | 7.15 | 105 | 479850 | 36.821 | ng | # | 96 |
| 24) Nitrobenzene | 7.32 | 77 | 370307 | 35.103 | ng | | 99 |
| 25) Isophorone | 7.56 | 82 | 663284 | 35.803 | ng | | 100 |
| 26) 2-Nitrophenol | 7.64 | 139 | 199765 | 35.740 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 303800 | 40.049 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 406604 | 33.719 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 315076 | 35.282 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 347996 | 32.867 | ng | | 98 |
| 31) Naphthalene | 8.04 | 128 | 1032567 | 35.349 | ng | | 99 |
| 32) Benzoic acid | 7.83 | 122 | 164529 | 32.268 | ng | | 99 |
| 33) 4-Chloroaniline | 8.09 | 127 | 257876 | 20.526 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 209933 | 31.831 | ng | | 98 |
| 35) Caprolactam | 8.47 | 113 | 99449m | 36.166 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.59 | 107 | 332469 | 36.786 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 716871 | 36.467 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.83 | 142 | 668270 | 36.148 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 356363 | 32.560 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.89 | 237 | 123171 | 36.681 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.02 | 196 | 221694 | 32.076 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.07 | 196 | 240255 | 33.126 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.19 | 154 | 868023 | 33.085 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.22 | 162 | 688603 | 32.570 | ng | | 96 |
| 48) 2-Nitroaniline | 9.32 | 65 | 197526 | 33.496 | ng | | 97 |
| 49) Acenaphthylene | 9.63 | 152 | 1047397 | 34.301 | ng | | 99 |
| 50) Dimethylphthalate | 9.50 | 163 | 845658 | 34.068 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.56 | 165 | 189460 | 34.354 | ng | | 94 |
| 52) Acenaphthene | 9.80 | 154 | 625585 | 33.976 | ng | | 99 |
| 53) 3-Nitroaniline | 9.73 | 138 | 130153 | 21.288 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.85 | 184 | 149416 | 58.011 | ng | # | 89 |
| 55) Dibenzofuran | 9.98 | 168 | 948629 | 34.518 | ng | | 96 |
| 56) 4-Nitrophenol | 9.92 | 139 | 196451 | 53.479 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 9.97 | 165 | 242438 | 33.915 | ng | | 98 |
| 58) Fluorene | 10.32 | 166 | 754273 | 35.320 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.10 | 232 | 201221 | 32.880 | ng | | 98 |
| 60) Diethylphthalate | 10.20 | 149 | 819090 | 35.015 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.31 | 204 | 396780 | 35.102 | ng | | 96 |
| 62) 4-Nitroaniline | 10.35 | 138 | 178830 | 28.589 | ng | | 99 |
| 63) Azobenzene | 10.47 | 77 | 722315 | 35.524 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 10.39 | 198 | 128092 | 35.539 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.43 | 169 | 681879 | 34.962 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.80 | 248 | 258895 | 33.253 | ng | | 95 |
| 68) Hexachlorobenzene | 10.87 | 284 | 291243 | 32.445 | ng | | 97 |
| 69) Atrazine | 10.96 | 200 | 234049 | 34.347 | ng | | 98 |
| 70) Pentachlorophenol | 11.07 | 266 | 219936 | 60.824 | ng | | 98 |
| 71) Phenanthrene | 11.28 | 178 | 1112974 | 34.263 | ng | | 98 |
| 72) Anthracene | 11.33 | 178 | 1135854 | 34.997 | ng | | 97 |
| 73) Carbazole | 11.49 | 167 | 985737 | 34.092 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.82 | 149 | 1248229 | 35.648 | ng | | 98 |
| 75) Fluoranthene | 12.46 | 202 | 1175383 | 34.089 | ng | | 98 |
| 77) Benzidine | 12.59 | 184 | 193350 | 11.249 | ng | | 98 |
| 78) Pyrene | 12.69 | 202 | 1175624 | 34.640 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.30 | 149 | 508224 | 35.581 | ng | | 96 |
| 81) Benzo(a)anthracene | 13.88 | 228 | 980333 | 34.042 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.84 | 252 | 300510 | 26.874 | ng | | 98 |
| 83) Chrysene | 13.92 | 228 | 966416 | 33.679 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 706180 | 39.134 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.47 | 149 | 1102455 | 38.344 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.72 | 276 | 744694 | 26.803 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.91 | 252 | 843603 | 46.492 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.94 | 252 | 809942 | 48.167 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.26 | 252 | 693798 | 42.366 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.72 | 278 | 640312 | 44.438 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.13 | 276 | 612886 | 43.049 | ng | | 99 |

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

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