Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116309.D
Acq On : 16 Aug 2019 9:17
Operator : HP/JU
Sample : PB122249BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB122249BS

**Manual Integrations APPROVED**
mohammad
8/20/2019 8:36:43 AM

Quant Time: Aug 16 11:53:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 124478 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.10 | 136 | 515283 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 274070 | 20.00 | ng | | -0.04 |
| 64) Phenanthrene-d10 | 11.34 | 188 | 469657 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 13.98 | 240 | 329723 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 15.44 | 264 | 272322 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 893640 | 120.18 | ng | | -0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 1081954 | 115.33 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 714688 | 80.06 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 10.64 | 330 | 301320 | 113.40 | ng | | -0.03 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 1215060 | 83.04 | ng | | -0.03 |
| 79) Terphenyl-d14 | 12.92 | 244 | 1346036 | 86.02 | ng | | -0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 156197 | 41.581 | ng | | 97 |
| 3) Pyridine | 3.41 | 79 | 360398 | 34.345 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 164632 | 39.756 | ng | | 99 |
| 6) Aniline | 6.49 | 93 | 401304 | 29.869 | ng | # | 86 |
| 8) 2-Chlorophenol | 6.61 | 128 | 377869 | 45.956 | ng | | 98 |
| 9) Benzaldehyde | 6.38 | 77 | 127223 | 19.654 | ng | | 98 |
| 10) Phenol | 6.48 | 94 | 474828 | 42.980 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 360961 | 44.441 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 401445 | 42.246 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 411396 | 43.238 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 376323 | 42.955 | ng | | 98 |
| 15) Benzyl Alcohol | 6.97 | 79 | 297977 | 41.853 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 473548 | 42.744 | ng | | 83 |
| 17) 2-Methylphenol | 7.08 | 107 | 310757 | 44.634 | ng | | 97 |
| 18) Hexachloroethane | 7.32 | 117 | 148464 | 42.381 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.23 | 70 | 255191 | 43.897 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 388266 | 47.125 | ng | | 92 |
| 22) Acetophenone | 7.23 | 105 | 508283 | 44.977 | ng | | 96 |
| 24) Nitrobenzene | 7.40 | 77 | 420481 | 43.623 | ng | | 99 |
| 25) Isophorone | 7.64 | 82 | 755211 | 44.244 | ng | | 98 |
| 26) 2-Nitrophenol | 7.72 | 139 | 205168 | 45.156 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 330566 | 48.358 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93 | 464562 | 43.910 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.97 | 162 | 326272 | 45.205 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 348687 | 42.381 | ng | | 99 |
| 31) Naphthalene | 8.12 | 128 | 1075638 | 44.360 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 193804 | 40.213 | ng | | 96 |
| 33) 4-Chloroaniline | 8.17 | 127 | 300203 | 27.709 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 196574 | 41.480 | ng | | 99 |
| 35) Caprolactam | 8.55 | 113 | 98086m | 42.018 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 335694 | 44.708 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 716890 | 44.891 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.91 | 142 | 666498 | 44.116 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 330016 | 45.041 | ng | | 100 |

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|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 135192 | 43.980 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.10 | 196 | 207799 | 41.203 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.15 | 196 | 219906 | 42.182 ng | 99 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 874448 | 45.193 ng | 97 |
| 47) 2-Chloronaphthalene | 9.30 | 162 | 683848 | 42.464 ng | 99 |
| 48) 2-Nitroaniline | 9.40 | 65 | 216100 | 40.597 ng | 96 |
| 49) Acenaphthylene | 9.72 | 152 | 1008196 | 42.912 ng | 99 |
| 50) Dimethylphthalate | 9.57 | 163 | 788600 | 42.259 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.65 | 165 | 175498 | 43.275 ng | 97 |
| 52) Acenaphthene | 9.89 | 154 | 620764 | 43.068 ng | 99 |
| 53) 3-Nitroaniline | 9.82 | 138 | 150709 | 30.076 ng | 100 |
| 54) 2,4-Dinitrophenol | 9.94 | 184 | 124106 | 62.106 ng | 93 |
| 55) Dibenzofuran | 10.06 | 168 | 876526 | 41.817 ng | 98 |
| 56) 4-Nitrophenol | 10.00 | 139 | 214597 | 66.852 ng | 91 |
| 57) 2,4-Dinitrotoluene | 10.06 | 165 | 217501 | 40.282 ng | 93 |
| 58) Fluorene | 10.40 | 166 | 721356 | 44.730 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.19 | 232 | 187175 | 42.676 ng | 98 |
| 60) Diethylphthalate | 10.27 | 149 | 760070 | 43.626 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 364604 | 44.641 ng | 98 |
| 62) 4-Nitroaniline | 10.44 | 138 | 173759 | 33.554 ng | 96 |
| 63) Azobenzene | 10.55 | 77 | 791974 | 44.195 ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 108351 | 43.534 ng | 90 |
| 66) n-Nitrosodiphenylamine | 10.51 | 169 | 640827 | 45.332 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.87 | 248 | 220988 | 43.954 ng | 95 |
| 68) Hexachlorobenzene | 10.96 | 284 | 246584 | 42.414 ng | 95 |
| 69) Atrazine | 11.04 | 200 | 196457 | 42.244 ng | 98 |
| 70) Pentachlorophenol | 11.16 | 266 | 188090 | 66.639 ng | 97 |
| 71) Phenanthrene | 11.36 | 178 | 1045708 | 43.553 ng | 100 |
| 72) Anthracene | 11.42 | 178 | 1090785 | 44.890 ng | 99 |
| 73) Carbazole | 11.57 | 167 | 975270 | 44.239 ng | 99 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 1200214 | 46.670 ng | 98 |
| 75) Fluoranthene | 12.55 | 202 | 1112666 | 44.266 ng | 98 |
| 77) Benzidine | 12.67 | 184 | 289361 | 25.976 ng | 97 |
| 78) Pyrene | 12.78 | 202 | 1113085 | 44.783 ng | 99 |
| 80) Butylbenzylphthalate | 13.39 | 149 | 504127 | 47.949 ng | 99 |
| 81) Benzo(a)anthracene | 13.97 | 228 | 906987 | 43.037 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.93 | 252 | 292565 | 39.958 ng | 99 |
| 83) Chrysene | 14.01 | 228 | 902389 | 44.104 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 703016 | 51.456 ng | 100 |
| 85) Di-n-octyl phthalate | 14.55 | 149 | 1105403 | 50.938 ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 765737 | 44.560 ng | 99 |
| 88) Benzo(b)fluoranthene | 15.02 | 252 | 848901 | 53.912 ng | 99 |
| 89) Benzo(k)fluoranthene | 15.04 | 252 | 705384 | 45.993 ng | 98 |
| 90) Benzo(a)pyrene | 15.38 | 252 | 760936 | 54.060 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.90 | 278 | 661372 | 54.282 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.34 | 276 | 649362 | 54.268 ng | 97 |

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

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