Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111800.D
Acq On : 28 Dec 2018 20:29
Operator : JU/SJ
Sample : PB116072BSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB116072BSD

**Manual Integrations APPROVED**
Sohil
1/2/2019 2:51:45 PM

Quant Time: Dec 29 02:52:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 139747 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.19 | 136 | 504027 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.95 | 164 | 235941 | 20.00 | ng | | 0.01 |
| 64) Phenanthrene-d10 | 11.43 | 188 | 363024 | 20.00 | ng | | 0.01 |
| 76) Chrysene-d12 | 14.07 | 240 | 305802 | 20.00 | ng | | 0.02 |
| 87) Perylene-d12 | 15.56 | 264 | 242349 | 20.00 | ng | | 0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 998320 | 121.77 | ng | | 0.04 |
| 7) Phenol-d6 | 6.55 | 99 | 1274493 | 122.15 | ng | | 0.03 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 814188 | 94.03 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 323198 | 115.93 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.26 | 172 | 1532004 | 94.64 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.01 | 244 | 1277432 | 79.22 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.78 | 88 | 127694 | 33.104 | ng | | 95 |
| 3) Pyridine | 3.53 | 79 | 372130 | 37.030 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.48 | 42 | 213665 | 43.444 | ng | # | 79 |
| 6) Aniline | 6.57 | 93 | 274318 | 20.625 | ng | # | 6 |
| 8) 2-Chlorophenol | 6.70 | 128 | 383288 | 42.203 | ng | | 99 |
| 9) Benzaldehyde | 6.45 | 77 | 201376 | 28.062 | ng | | 97 |
| 10) Phenol | 6.56 | 94 | 452901 | 38.471 | ng | | 77 |
| 11) bis(2-Chloroethyl)ether | 6.64 | 93 | 358467 | 40.634 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.85 | 146 | 443143 | 42.104 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 442469 | 41.452 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.08 | 146 | 415143 | 41.686 | ng | | 96 |
| 15) Benzyl Alcohol | 7.05 | 79 | 346741 | 41.844 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45 | 587511 | 36.160 | ng | | 69 |
| 17) 2-Methylphenol | 7.17 | 107 | 306556 | 42.155 | ng | # | 88 |
| 18) Hexachloroethane | 7.42 | 117 | 143420 | 39.873 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 273096 | 39.412 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.32 | 107 | 395129 | 43.001 | ng | # | 82 |
| 22) Acetophenone | 7.31 | 105 | 523870 | 41.027 | ng | # | 91 |
| 24) Nitrobenzene | 7.49 | 77 | 408287 | 44.988 | ng | | 98 |
| 25) Isophorone | 7.72 | 82 | 719057 | 46.776 | ng | | 97 |
| 26) 2-Nitrophenol | 7.80 | 139 | 190143 | 51.659 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.85 | 122 | 335776 | 46.277 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.93 | 93 | 448568 | 43.850 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.05 | 162 | 336995 | 43.181 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.13 | 180 | 360738 | 41.480 | ng | | 97 |
| 31) Naphthalene | 8.21 | 128 | 1100833 | 45.456 | ng | | 96 |
| 32) Benzoic acid | 7.95 | 122 | 170814 | 35.606 | ng | | 96 |
| 33) 4-Chloroaniline | 8.25 | 127 | 112175 | 10.717 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 221512 | 41.792 | ng | | 98 |
| 35) Caprolactam | 8.62 | 113 | 99510m | 37.629 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 326263 | 42.529 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.90 | 142 | 736953 | 46.772 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.00 | 142 | 690985 | 45.662 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 353494 | 45.595 | ng | # | 97 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.06 | 237 | 193590 | 51.456 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.18 | 196 | 230175 | 44.467 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.23 | 196 | 235204 | 44.292 | ng | | 91 |
| 46) 1,1'-Biphenyl | 9.36 | 154 | 893221 | 44.847 | ng | | 95 |
| 47) 2-Chloronaphthalene | 9.39 | 162 | 678620 | 43.005 | ng | | 93 |
| 48) 2-Nitroaniline | 9.48 | 65 | 207948 | 50.655 | ng | | 99 |
| 49) Acenaphthylene | 9.80 | 152 | 1037890 | 45.048 | ng | | 97 |
| 50) Dimethylphthalate | 9.66 | 163 | 819720 | 47.510 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.72 | 165 | 171527 | 49.857 | ng | | 98 |
| 52) Acenaphthene | 9.98 | 154 | 624989 | 43.982 | ng | | 97 |
| 53) 3-Nitroaniline | 9.89 | 138 | 98690 | 26.897 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 56032 | 53.421 | ng | | 97 |
| 55) Dibenzofuran | 10.15 | 168 | 913633 | 42.557 | ng | | 94 |
| 56) 4-Nitrophenol | 10.07 | 139 | 234087 | 83.599 | ng | | 88 |
| 57) 2,4-Dinitrotoluene | 10.12 | 165 | 208342 | 50.387 | ng | | 95 |
| 58) Fluorene | 10.49 | 166 | 677002 | 43.762 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 178342 | 39.907 | ng | | 90 |
| 60) Diethylphthalate | 10.36 | 149 | 773597 | 45.708 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.48 | 204 | 357517 | 41.830 | ng | | 95 |
| 62) 4-Nitroaniline | 10.50 | 138 | 137185 | 38.469 | ng | | 89 |
| 63) Azobenzene | 10.64 | 77 | 668516 | 39.345 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 41912 | 30.733 | ng | | 81 |
| 66) n-Nitrosodiphenylamine | 10.60 | 169 | 598871 | 49.144 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.97 | 248 | 214965 | 47.742 | ng | | 97 |
| 68) Hexachlorobenzene | 11.05 | 284 | 224355 | 44.689 | ng | | 95 |
| 69) Atrazine | 11.12 | 200 | 193873 | 45.795 | ng | | 96 |
| 70) Pentachlorophenol | 11.24 | 266 | 199059 | 64.137 | ng | | 99 |
| 71) Phenanthrene | 11.46 | 178 | 892913 | 46.379 | ng | | 94 |
| 72) Anthracene | 11.50 | 178 | 918009 | 47.505 | ng | | 95 |
| 73) Carbazole | 11.66 | 167 | 773090 | 41.206 | ng | | 95 |
| 74) Di-n-butylphthalate | 11.99 | 149 | 1013518 | 48.181 | ng | | 96 |
| 75) Fluoranthene | 12.65 | 202 | 865518 | 44.395 | ng | | 94 |
| 77) Benzidine | 12.76 | 184 | 527638 | 45.853 | ng | | 97 |
| 78) Pyrene | 12.87 | 202 | 874670 | 40.503 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.48 | 149 | 387080 | 43.973 | ng | | 92 |
| 81) Benzo(a)anthracene | 14.06 | 228 | 835643 | 47.882 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 14.02 | 252 | 294056 | 42.645 | ng | # | 98 |
| 83) Chrysene | 14.10 | 228 | 774729 | 45.167 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 14.05 | 149 | 532959 | 48.066 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.66 | 149 | 908118 | 52.862 | ng | | 95 |
| 86) Indeno(1,2,3-cd)pyrene | 17.07 | 276 | 574981 | 39.432 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 15.12 | 252 | 732097 | 51.688 | ng | # | 95 |
| 89) Benzo(k)fluoranthene | 15.15 | 252 | 640588 | 47.506 | ng | # | 97 |
| 90) Benzo(a)pyrene | 15.50 | 252 | 621903 | 48.330 | ng | # | 94 |
| 91) Dibenzo(a,h)anthracene | 17.08 | 278 | 489295 | 43.423 | ng | # | 90 |
| 92) Benzo(g,h,i)perylene | 17.52 | 276 | 461275 | 41.923 | ng | # | 85 |

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

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