Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070717\
Data File : BF096555.D
Acq On : 7 Jul 2017 13:26
Operator : SJ/MA
Sample : I4064-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PET-BF001-01MSD

**Manual Integrations APPROVED**
mohammad
7/10/2017 2:22:13 PM

Quant Time: Jul 07 14:57:46 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 105999 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.98 | 136 | 453761 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 229828 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.21 | 188 | 400190 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.84 | 240 | 221018 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.24 | 264 | 206360 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 905013 | 126.02 | ng | | 0.01 |
| 7) Phenol-d6 | 6.35 | 99 | 1002259 | 113.52 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 670470 | 88.79 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 214502 | 119.48 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 1137030 | 84.59 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.80 | 244 | 870760 | 84.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.40 | 88 | 128458 | 37.722 | ng | # | 76 |
| 3) Pyridine | 3.10 | 79 | 315000 | 33.713 | ng | # | 67 |
| 4) n-Nitrosodimethylamine | 3.04 | 42 | 210288 | 45.598 | ng | | 81 |
| 6) Aniline | 6.36 | 93 | 398790 | 34.948 | ng | # | 68 |
| 8) 2-Chlorophenol | 6.49 | 128 | 317655 | 41.478 | ng | | 95 |
| 9) Benzaldehyde | 6.24 | 77 | 218523 | 39.548 | ng | | 98 |
| 10) Phenol | 6.36 | 94 | 404611 | 40.227 | ng | | 76 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 301443 | 38.780 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 333626 | 41.547 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 340018 | 42.364 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 316456 | 42.942 | ng | | 97 |
| 15) Benzyl Alcohol | 6.85 | 79 | 264202 | 44.767 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 654720 | 41.432 | ng | | 91 |
| 17) 2-Methylphenol | 6.96 | 107 | 262943 | 43.082 | ng | | 97 |
| 18) Hexachloroethane | 7.21 | 117 | 133256 | 45.796 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 230869 | 43.894 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 336735 | 49.465 | ng | # | 87 |
| 22) Acetophenone | 7.11 | 105 | 454708 | 45.862 | ng | # | 94 |
| 24) Nitrobenzene | 7.28 | 77 | 361186 | 45.594 | ng | | 93 |
| 25) Isophorone | 7.53 | 82 | 676748 | 46.222 | ng | | 95 |
| 26) 2-Nitrophenol | 7.60 | 139 | 199969 | 47.692 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 335816 | 47.037 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 409783 | 42.399 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 275125 | 44.665 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 251930 | 43.357 | ng | | 99 |
| 31) Naphthalene | 8.00 | 128 | 930951 | 43.458 | ng | | 100 |
| 32) Benzoic acid | 7.76 | 122 | 116283 | 19.393 | ng | | 90 |
| 33) 4-Chloroaniline | 8.05 | 127 | 336887 | 37.862 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 131420 | 44.097 | ng | | 98 |
| 35) Caprolactam | 8.42 | 113 | 108612m | 51.133 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 326695 | 47.932 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 692805 | 50.807 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 228808 | 38.342 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.85 | 237 | 224622 | 77.413 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.97 | 196 | 191172 | 40.496 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.02 | 196 | 198619 | 42.552 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.16 | 154 | 769924 | 39.098 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.18 | 162 | 602182 | 41.034 | ng | # | 93 |
| 47) 2-Nitroaniline | 9.27 | 65 | 226630 | 42.441 | ng | | 96 |
| 48) Acenaphthylene | 9.60 | 152 | 908581 | 39.072 | ng | | 97 |
| 49) Dimethylphthalate | 9.46 | 163 | 821349 | 47.873 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.52 | 165 | 165759 | 43.690 | ng | # | 87 |
| 51) Acenaphthene | 9.77 | 154 | 556736 | 38.841 | ng | | 98 |
| 52) 3-Nitroaniline | 9.69 | 138 | 170172 | 35.961 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.79 | 184 | 93949 | 46.622 | ng | # | 72 |
| 54) Dibenzofuran | 9.94 | 168 | 787142 | 41.594 | ng | | 98 |
| 55) 4-Nitrophenol | 9.86 | 139 | 281720 | 71.827 | ng | # | 63 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 203729 | 42.403 | ng | # | 90 |
| 57) Fluorene | 10.28 | 166 | 560850 | 41.962 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.06 | 232 | 154471 | 47.833 | ng | # | 99 |
| 59) Diethylphthalate | 10.16 | 149 | 691647 | 42.650 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204 | 236380 | 40.649 | ng | | 93 |
| 61) 4-Nitroaniline | 10.30 | 138 | 176748 | 41.077 | ng | | 91 |
| 62) Azobenzene | 10.43 | 77 | 626553 | 39.957 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.33 | 198 | 83282 | 30.175 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 10.39 | 169 | 542221 | 38.616 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.76 | 248 | 159232 | 40.874 | ng | | 96 |
| 67) Hexachlorobenzene | 10.83 | 284 | 166097 | 38.948 | ng | # | 94 |
| 68) Atrazine | 10.92 | 200 | 169342 | 42.214 | ng | | 94 |
| 69) Pentachlorophenol | 11.02 | 266 | 166125 | 65.728 | ng | | 98 |
| 70) Phenanthrene | 11.24 | 178 | 905506 | 41.857 | ng | | 100 |
| 71) Anthracene | 11.29 | 178 | 928270 | 42.108 | ng | | 99 |
| 72) Carbazole | 11.44 | 167 | 907440 | 40.930 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.78 | 149 | 1120500 | 41.727 | ng | | 99 |
| 74) Fluoranthene | 12.42 | 202 | 895846 | 42.237 | ng | | 98 |
| 76) Benzidine | 12.54 | 184 | 438093 | 41.310 | ng | # | 92 |
| 77) Pyrene | 12.65 | 202 | 903832 | 50.947 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.27 | 149 | 449690 | 50.074 | ng | # | 85 |
| 80) Benzo(a)anthracene | 13.83 | 228 | 579513 | 45.279 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.79 | 252 | 175413 | 33.369 | ng | # | 95 |
| 82) Chrysene | 13.87 | 228 | 595222 | 44.410 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.84 | 149 | 524158 | 52.288 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 14.44 | 149 | 930676 | 47.145 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.60 | 276 | 568521 | 53.737 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 14.84 | 252 | 536422 | 41.485 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 14.87 | 252 | 441198 | 38.145 | ng | | 97 |
| 89) Benzo(a)pyrene | 15.19 | 252 | 463292 | 40.132 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.61 | 278 | 460766 | 50.735 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.00 | 276 | 503930 | 53.548 | ng | | 97 |

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

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