Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
Data File : BF097118.D
Acq On : 27 Jul 2017 13:17
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 27 15:52:35 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.49 | 152 | 112994 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.77 | 136 | 478336 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.52 | 164 | 210077 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 10.99 | 188 | 370199 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.62 | 240 | 227072 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 14.96 | 264 | 206145 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.08 | 112 | 583844 | 77.89 | ng | | -0.02 |
| 7) Phenol-d6 | 6.15 | 99 | 674091 | 78.78 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.06 | 82 | 606153 | 74.34 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.30 | 330 | 138644 | 83.53 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 8.85 | 172 | 959941 | 77.55 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.57 | 244 | 875856 | 78.64 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.01 | 88 | 126910 | 40.573 | ng | # | 77 |
| 3) Pyridine | 2.63 | 79 | 417835 | 43.624 | ng | # | 66 |
| 4) n-Nitrosodimethylamine | 2.59 | 42 | 229659 | 43.281 | ng | | 80 |
| 6) Aniline | 6.15 | 93 | 415102 | 38.549 | ng | # | 79 |
| 8) 2-Chlorophenol | 6.27 | 128 | 324512 | 40.489 | ng | | 92 |
| 9) Benzaldehyde | 6.03 | 77 | 190528 | 37.617 | ng | | 99 |
| 10) Phenol | 6.17 | 94 | 403078 | 39.712 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.23 | 93 | 303612 | 37.821 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.43 | 146 | 331419 | 38.371 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.50 | 146 | 337179 | 39.391 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.66 | 146 | 302675 | 40.498 | ng | | 99 |
| 15) Benzyl Alcohol | 6.65 | 79 | 213580 | 39.423 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.78 | 45 | 596050 | 37.019 | ng | | 93 |
| 17) 2-Methylphenol | 6.77 | 107 | 237842 | 38.450 | ng | # | 90 |
| 18) Hexachloroethane | 7.00 | 117 | 123899 | 39.565 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 6.92 | 70 | 208241 | 36.971 | ng | # | 83 |
| 20) 3+4-Methylphenols | 6.93 | 107 | 316135 | 39.130 | ng | # | 63 |
| 22) Acetophenone | 6.91 | 105 | 426418 | 37.122 | ng | | 97 |
| 24) Nitrobenzene | 7.08 | 77 | 321030 | 37.804 | ng | | 91 |
| 25) Isophorone | 7.32 | 82 | 590879 | 37.003 | ng | | 97 |
| 26) 2-Nitrophenol | 7.39 | 139 | 175403 | 38.178 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.45 | 122 | 286511 | 37.804 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.54 | 93 | 369882 | 35.495 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.65 | 162 | 252795 | 38.719 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.72 | 180 | 246016 | 39.532 | ng | | 97 |
| 31) Naphthalene | 7.79 | 128 | 867101 | 38.455 | ng | | 99 |
| 32) Benzoic acid | 7.62 | 122 | 226408 | 40.007 | ng | | 94 |
| 33) 4-Chloroaniline | 7.85 | 127 | 357860 | 39.005 | ng | | 99 |
| 34) Hexachlorobutadiene | 7.92 | 225 | 127052 | 38.510 | ng | | 98 |
| 35) Caprolactam | 8.24 | 113 | 91459 | 43.686 | ng | # | 53 |
| 36) 4-Chloro-3-methylphenol | 8.35 | 107 | 276123 | 38.765 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.49 | 142 | 547606 | 38.357 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.66 | 216 | 227076 | 40.510 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.64 | 237 | 53960 | 31.852 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.77 | 196 | 157416 | 38.753 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.82 | 196 | 157839 | 38.821 | ng | | 98 |
| 45) 1,1'-Biphenyl | 8.95 | 154 | 693170 | 38.631 | ng | | 99 |
| 46) 2-Chloronaphthalene | 8.97 | 162 | 504381 | 38.198 | ng | # | 92 |
| 47) 2-Nitroaniline | 9.07 | 65 | 179876 | 37.536 | ng | | 95 |
| 48) Acenaphthylene | 9.38 | 152 | 762316 | 37.612 | ng | | 99 |
| 49) Dimethylphthalate | 9.26 | 163 | 632858 | 39.670 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.32 | 165 | 131880 | 38.977 | ng | # | 87 |
| 51) Acenaphthene | 9.55 | 154 | 451633 | 37.830 | ng | | 98 |
| 52) 3-Nitroaniline | 9.49 | 138 | 167136 | 39.797 | ng | # | 88 |
| 53) 2,4-Dinitrophenol | 9.60 | 184 | 65178 | 42.367 | ng | # | 75 |
| 54) Dibenzofuran | 9.72 | 168 | 613121 | 38.557 | ng | | 96 |
| 55) 4-Nitrophenol | 9.67 | 139 | 100262 | 40.144 | ng | # | 64 |
| 56) 2,4-Dinitrotoluene | 9.72 | 165 | 154156 | 39.633 | ng | # | 47 |
| 57) Fluorene | 10.06 | 166 | 489349 | 40.944 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.85 | 232 | 111832 | 39.836 | ng | | 98 |
| 59) Diethylphthalate | 9.96 | 149 | 568432 | 38.839 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.06 | 204 | 202551 | 41.041 | ng | | 99 |
| 61) 4-Nitroaniline | 10.10 | 138 | 166738 | 41.783 | ng | | 93 |
| 62) Azobenzene | 10.22 | 77 | 524634 | 38.640 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.13 | 198 | 93302 | 40.559 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 10.18 | 169 | 468144 | 36.345 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 10.55 | 248 | 132078 | 35.750 | ng | | 96 |
| 67) Hexachlorobenzene | 10.62 | 284 | 150992 | 36.445 | ng | | 96 |
| 68) Atrazine | 10.72 | 200 | 139740 | 37.833 | ng | | 94 |
| 69) Pentachlorophenol | 10.81 | 266 | 73126 | 42.659 | ng | | 98 |
| 70) Phenanthrene | 11.02 | 178 | 744680 | 37.543 | ng | | 99 |
| 71) Anthracene | 11.07 | 178 | 762441 | 37.530 | ng | | 100 |
| 72) Carbazole | 11.23 | 167 | 743268 | 37.200 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.57 | 149 | 899179 | 36.407 | ng | | 99 |
| 74) Fluoranthene | 12.20 | 202 | 715001 | 36.795 | ng | | 97 |
| 76) Benzidine | 12.32 | 184 | 355217 | 42.160 | ng | # | 94 |
| 77) Pyrene | 12.42 | 202 | 728953 | 39.213 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.05 | 149 | 363016 | 38.390 | ng | # | 77 |
| 80) Benzo(a)anthracene | 13.60 | 228 | 567503 | 38.625 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.57 | 252 | 226373 | 40.857 | ng | # | 96 |
| 82) Chrysene | 13.64 | 228 | 554734 | 38.666 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.62 | 149 | 449223 | 36.385 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.23 | 149 | 774135 | 34.167 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 16.19 | 276 | 429552 | 34.917 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.60 | 252 | 508978 | 41.074 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.63 | 252 | 453322 | 38.390 | ng | | 97 |
| 89) Benzo(a)pyrene | 14.91 | 252 | 429167 | 37.841 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.19 | 278 | 345564 | 37.156 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.54 | 276 | 378577 | 38.816 | ng | | 99 |

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

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