Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM083117\
Data File : BM011396.D
Acq On : 01 Sep 2017 05:46
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTDCCC040

Quant Time: Sep 01 08:20:55 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 18:39:59 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.99 | 152 | 478958 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.80 | 136 | 2266032 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.62 | 164 | 1331131 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.36 | 188 | 3011876 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.52 | 240 | 3590477 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 23.90 | 264 | 3431550 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 2188375 | 76.91 | ng | | 0.00 |
| 7) Phenol-d6 | 7.14 | 99 | 3177818 | 80.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.15 | 82 | 2805247 | 81.58 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.10 | 330 | 1200539 | 77.95 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.25 | 172 | 7302188 | 79.08 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.97 | 244 | 10929394 | 75.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 451220 | 38.048 | ng | # | 100 |
| 3) Pyridine | 3.84 | 79 | 1419583 | 39.088 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.75 | 42 | 749852 | 40.437 | ng | # | 68 |
| 6) Aniline | 7.31 | 93 | 2052199 | 38.298 | ng | | 95 |
| 8) 2-Chlorophenol | 7.55 | 128 | 1311807 | 39.106 | ng | | 91 |
| 9) Benzaldehyde | 7.13 | 77 | 877986 | 38.282 | ng | | 98 |
| 10) Phenol | 7.16 | 94 | 1706976 | 39.354 | ng | # | 75 |
| 11) bis(2-Chloroethyl)ether | 7.40 | 93 | 1340221 | 38.659 | ng | # | 83 |
| 12) 1,3-Dichlorobenzene | 7.87 | 146 | 1461615 | 38.264 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.02 | 146 | 1497734 | 38.556 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.35 | 146 | 1460416 | 38.842 | ng | | 97 |
| 15) Benzyl Alcohol | 8.22 | 79 | 1115253 | 39.096 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52 | 45 | 2291289 | 39.523 | ng | | 92 |
| 17) 2-Methylphenol | 8.42 | 107 | 1100321 | 39.618 | ng | | 98 |
| 18) Hexachloroethane | 9.07 | 117 | 515552 | 38.768 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.80 | 70 | 1142987 | 39.454 | ng | # | 85 |
| 20) 3+4-Methylphenols | 8.75 | 107 | 1527302 | 39.634 | ng | | 99 |
| 22) Acetophenone | 8.81 | 105 | 2110136 | 37.475 | ng | # | 90 |
| 24) Nitrobenzene | 9.19 | 77 | 1502550 | 39.655 | ng | | 93 |
| 25) Isophorone | 9.72 | 82 | 2839422 | 36.852 | ng | | 94 |
| 26) 2-Nitrophenol | 9.90 | 139 | 600366 | 37.964 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 9.96 | 122 | 1346107 | 37.469 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.20 | 93 | 1999302 | 38.025 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.44 | 162 | 1302673 | 38.756 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.66 | 180 | 1402365 | 37.689 | ng | | 99 |
| 31) Naphthalene | 10.85 | 128 | 4715526 | 38.543 | ng | | 100 |
| 32) Benzoic acid | 10.09 | 122 | 879922 | 37.708 | ng | | 100 |
| 33) 4-Chloroaniline | 10.95 | 127 | 2012911 | 37.609 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.13 | 225 | 787481 | 37.144 | ng | | 97 |
| 35) Caprolactam | 11.74 | 113 | 444999 | 36.761 | ng | # | 57 |
| 36) 4-Chloro-3-methylphenol | 12.06 | 107 | 1526721 | 38.672 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.45 | 142 | 3326014 | 39.058 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.82 | 216 | 1526684 | 38.112 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.80 | 237 | 686463 | 37.382 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.05 | 196 | 1015863 | 38.310 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.12 | 196 | 1042784 | 38.722 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 13.46 | 154 | 4543639 | 38.449 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.50 | 162 | 3341821 | 38.068 | ng | | 95 |
| 47) 2-Nitroaniline | 13.70 | 65 | 1080294 | 39.829 | ng | | 83 |
| 48) Acenaphthylene | 14.35 | 152 | 5246679 | 38.358 | ng | | 100 |
| 49) Dimethylphthalate | 14.07 | 163 | 3936701 | 37.219 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.19 | 165 | 792157 | 39.554 | ng | | 93 |
| 51) Acenaphthene | 14.69 | 154 | 3489779 | 39.291 | ng | | 100 |
| 52) 3-Nitroaniline | 14.52 | 138 | 1041963 | 40.055 | ng | | 85 |
| 53) 2,4-Dinitrophenol | 14.72 | 184 | 285137 | 42.911 | ng | | 91 |
| 54) Dibenzofuran | 15.02 | 168 | 4741101 | 38.711 | ng | | 96 |
| 55) 4-Nitrophenol | 14.81 | 139 | 798751 | 39.455 | ng | # | 48 |
| 56) 2,4-Dinitrotoluene | 14.97 | 165 | 1055139 | 38.447 | ng | # | 81 |
| 57) Fluorene | 15.66 | 166 | 4263729 | 39.932 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.24 | 232 | 862393 | 39.575 | ng | # | 100 |
| 59) Diethylphthalate | 15.43 | 149 | 4091236 | 37.542 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.66 | 204 | 1982102 | 39.798 | ng | | 96 |
| 61) 4-Nitroaniline | 15.68 | 138 | 1121732 | 41.481 | ng | | 84 |
| 62) Azobenzene | 15.95 | 77 | 3860237 | 39.304 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 15.73 | 198 | 463095 | 41.601 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 15.87 | 169 | 3655486 | 38.517 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.55 | 248 | 1195538 | 37.737 | ng | # | 90 |
| 67) Hexachlorobenzene | 16.66 | 284 | 1381482 | 37.158 | ng | # | 88 |
| 68) Atrazine | 16.81 | 200 | 1030787 | 37.059 | ng | | 97 |
| 69) Pentachlorophenol | 17.00 | 266 | 810950 | 39.732 | ng | | 98 |
| 70) Phenanthrene | 17.40 | 178 | 6630482 | 39.530 | ng | | 98 |
| 71) Anthracene | 17.49 | 178 | 6644904 | 39.397 | ng | | 98 |
| 72) Carbazole | 17.76 | 167 | 6386418 | 39.291 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.32 | 149 | 7531220 | 39.882 | ng | | 100 |
| 74) Fluoranthene | 19.41 | 202 | 7774329 | 40.621 | ng | | 96 |
| 76) Benzidine | 19.59 | 184 | 2690771 | 37.971 | ng | | 99 |
| 77) Pyrene | 19.77 | 202 | 8217587 | 37.350 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.66 | 149 | 3553386 | 36.558 | ng | | 94 |
| 80) Benzo(a)anthracene | 21.51 | 228 | 7715278 | 38.420 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.44 | 252 | 3113062 | 40.832 | ng | | 99 |
| 82) Chrysene | 21.56 | 228 | 7302530 | 38.581 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.43 | 149 | 5457128 | 38.296 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.34 | 149 | 9575338 | 39.862 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 26.36 | 276 | 7681970 | 43.510 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 23.18 | 252 | 7883578 | 37.420 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 23.23 | 252 | 7824104 | 38.734 | ng | | 97 |
| 89) Benzo(a)pyrene | 23.80 | 252 | 7373503 | 38.804 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 26.37 | 278 | 6781116 | 41.698 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 27.11 | 276 | 6322921 | 40.232 | ng | | 99 |

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

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