Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN072618\
Data File : BN002175.D
Acq On : 26 Jul 2018 16:43
Operator : JU/SJ
Sample : PB111396BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PB111396BS

Quant Time: Jul 27 01:21:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN072518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 26 18:27:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 244562 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.46 | 136 | 890584 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.32 | 164 | 436380 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.07 | 188 | 775952 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.27 | 240 | 613832 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.49 | 264 | 587248 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.31 | 112 | 2147892 | 141.39 | ng | | 0.00 |
| 7) Phenol-d6 | 6.88 | 99 | 2752029 | 129.10 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.85 | 82 | 1707021 | 98.30 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.82 | 330 | 706444 | 124.67 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.94 | 172 | 3344409 | 99.82 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.70 | 244 | 3218839 | 109.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 215362 | 37.763 | ng | # | 77 |
| 3) Pyridine | 3.66 | 79 | 634732 | 38.424 | ng | # | 71 |
| 4) n-Nitrosodimethylamine | 3.59 | 42 | 330948 | 46.704 | ng | # | 72 |
| 6) Aniline | 7.03 | 93 | 590269 | 22.667 | ng | | 98 |
| 8) 2-Chlorophenol | 7.26 | 128 | 751889 | 42.679 | ng | | 94 |
| 9) Benzaldehyde | 6.85 | 77 | 458907 | 34.954 | ng | | 95 |
| 10) Phenol | 6.90 | 94 | 925430 | 42.351 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.13 | 93 | 714187 | 40.155 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.58 | 146 | 830247 | 41.352 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.73 | 146 | 841669 | 40.978 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.04 | 146 | 802196 | 40.485 | ng | | 98 |
| 15) Benzyl Alcohol | 7.93 | 79 | 620303 | 38.561 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22 | 45 | 1172151 | 40.813 | ng | | 93 |
| 17) 2-Methylphenol | 8.14 | 107 | 606815 | 40.677 | ng | | 95 |
| 18) Hexachloroethane | 8.76 | 117 | 312469 | 41.567 | ng | | 89 |
| 19) n-Nitroso-di-n-propylamine | 8.49 | 70 | 560083 | 36.222 | ng | # | 98 |
| 20) 3+4-Methylphenols | 8.46 | 107 | 820274 | 39.410 | ng | | 95 |
| 22) Acetophenone | 8.51 | 105 | 1099672 | 47.624 | ng | | 97 |
| 24) Nitrobenzene | 8.89 | 77 | 841324 | 46.746 | ng | | 94 |
| 25) Isophorone | 9.40 | 82 | 1444161 | 48.432 | ng | | 95 |
| 26) 2-Nitrophenol | 9.59 | 139 | 388127 | 44.643 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.65 | 122 | 637837 | 52.752 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 9.89 | 93 | 893759 | 46.402 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.12 | 162 | 644921 | 45.741 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.33 | 180 | 731286 | 45.798 | ng | | 98 |
| 31) Naphthalene | 10.52 | 128 | 2188582 | 48.693 | ng | | 98 |
| 32) Benzoic acid | 9.81 | 122 | 372030 | 36.265 | ng | | 91 |
| 33) 4-Chloroaniline | 10.63 | 127 | 128814 | 6.441 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.80 | 225 | 442294 | 45.232 | ng | | 97 |
| 35) Caprolactam | 11.40 | 113 | 172476 | 35.845 | ng | # | 58 |
| 36) 4-Chloro-3-methylphenol | 11.76 | 107 | 654727 | 40.838 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.13 | 142 | 1520216 | 47.957 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 738058 | 50.300 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 12.48 | 237 | 1050554 | 126.770 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.75 | 196 | 464344 | 47.166 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 12.82 | 196 | 483583 | 46.371 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.15 | 154 | 1835517 | 47.800 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.19 | 162 | 1409689 | 47.560 | ng | | 99 |
| 47) 2-Nitroaniline | 13.40 | 65 | 413380 | 43.343 | ng | | 96 |
| 48) Acenaphthylene | 14.05 | 152 | 2226736 | 49.507 | ng | | 97 |
| 49) Dimethylphthalate | 13.79 | 163 | 1593142 | 43.950 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 13.90 | 165 | 345807 | 42.940 | ng | | 93 |
| 51) Acenaphthene | 14.39 | 154 | 1274093 | 47.026 | ng | | 99 |
| 52) 3-Nitroaniline | 14.23 | 138 | 103399 | 11.850 | ng | # | 88 |
| 53) 2,4-Dinitrophenol | 14.45 | 184 | 356917 | 83.702 | ng | | 98 |
| 54) Dibenzofuran | 14.72 | 168 | 1958334 | 44.582 | ng | | 96 |
| 55) 4-Nitrophenol | 14.56 | 139 | 536515 | 80.090 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 14.70 | 165 | 455046 | 41.634 | ng | | 87 |
| 57) Fluorene | 15.37 | 166 | 1529474 | 46.196 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.95 | 232 | 393985 | 43.929 | ng | | 95 |
| 59) Diethylphthalate | 15.16 | 149 | 1527050 | 41.389 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204 | 771421 | 42.107 | ng | | 96 |
| 61) 4-Nitroaniline | 15.40 | 138 | 315129 | 35.429 | ng | | 94 |
| 62) Azobenzene | 15.66 | 77 | 1553268 | 43.875 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 233338 | 44.541 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 15.59 | 169 | 1288529 | 50.043 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.27 | 248 | 447582 | 49.273 | ng | | 92 |
| 67) Hexachlorobenzene | 16.38 | 284 | 475616 | 47.337 | ng | | 95 |
| 68) Atrazine | 16.55 | 200 | 401467 | 46.311 | ng | | 96 |
| 69) Pentachlorophenol | 16.73 | 266 | 493992 | 76.380 | ng | | 100 |
| 70) Phenanthrene | 17.11 | 178 | 2135962 | 50.430 | ng | | 98 |
| 71) Anthracene | 17.20 | 178 | 2154662 | 51.397 | ng | | 98 |
| 72) Carbazole | 17.47 | 167 | 1847750 | 43.927 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.05 | 149 | 2258153 | 46.022 | ng | | 99 |
| 74) Fluoranthene | 19.13 | 202 | 2156759 | 46.901 | ng | | 98 |
| 76) Benzidine | 19.32 | 184 | 727407 | 36.334 | ng | | 97 |
| 77) Pyrene | 19.50 | 202 | 2139334 | 50.538 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.41 | 149 | 884788 | 48.016 | ng | | 93 |
| 80) Benzo(a)anthracene | 21.25 | 228 | 1884799 | 50.378 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.19 | 252 | 350902 | 24.075 | ng | # | 98 |
| 82) Chrysene | 21.30 | 228 | 1738500 | 48.804 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 1239857 | 48.251 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.07 | 149 | 2039263 | 50.052 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 2203157 | 63.437 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 22.83 | 252 | 1767583 | 51.001 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 22.87 | 252 | 1721966 | 50.449 | ng | | 98 |
| 89) Benzo(a)pyrene | 23.40 | 252 | 1700349 | 52.533 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 25.74 | 278 | 1836514 | 60.434 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 26.40 | 276 | 1890589 | 64.376 | ng | # | 94 |

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

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