Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000104.D
Acq On : 08 Sep 2019 21:25
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** SSTDCCC040

Quant Time: Sep 09 01:24:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 17:47:17 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 332391 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.18 | 136 | 1278408 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 688667 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.43 | 188 | 1253161 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.10 | 240 | 1070361 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.62 | 264 | 1175879 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1632816 | 78.33 | ng | | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 2030525 | 77.16 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 1628855 | 78.18 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.73 | 330 | 480035 | 82.70 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 3425753 | 83.07 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.03 | 244 | 3957864 | 80.60 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 375492 | 39.163 | ng | | 96 |
| 3) Pyridine | 3.44 | 79 | 1010889 | 39.133 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.38 | 42 | 275985 | 33.087 | ng | | 87 |
| 6) Aniline | 6.55 | 93 | 1414940 | 37.154 | ng | | 98 |
| 8) 2-Chlorophenol | 6.68 | 128 | 855764 | 39.705 | ng | | 98 |
| 9) Benzaldehyde | 6.44 | 77 | 529048 | 32.603 | ng | | 97 |
| 10) Phenol | 6.52 | 94 | 1101679 | 37.682 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 878693 | 38.046 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 1032540 | 41.071 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.91 | 146 | 1033850 | 41.298 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 963020 | 41.868 | ng | | 98 |
| 15) Benzyl Alcohol | 7.02 | 79 | 699798 | 36.272 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45 | 875684 | 35.258 | ng | | 95 |
| 17) 2-Methylphenol | 7.13 | 107 | 716894 | 38.728 | ng | | 97 |
| 18) Hexachloroethane | 7.41 | 117 | 368661 | 39.705 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 537832 | 35.913 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 932261 | 40.381 | ng | # | 83 |
| 22) Acetophenone | 7.29 | 105 | 1229418 | 40.150 | ng | | 98 |
| 24) Nitrobenzene | 7.47 | 77 | 866450 | 38.388 | ng | | 90 |
| 25) Isophorone | 7.70 | 82 | 1614449 | 36.674 | ng | | 99 |
| 26) 2-Nitrophenol | 7.79 | 139 | 343504 | 39.080 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 693491 | 39.098 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 1113715 | 38.906 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 725404 | 39.773 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 859296 | 41.328 | ng | | 99 |
| 31) Naphthalene | 8.20 | 128 | 2478568 | 42.257 | ng | | 99 |
| 32) Benzoic acid | 7.90 | 122 | 371146 | 34.062 | ng | | 97 |
| 33) 4-Chloroaniline | 8.24 | 127 | 1112519 | 40.216 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 485793 | 41.465 | ng | | 98 |
| 35) Caprolactam | 8.59 | 113 | 237955 | 36.687 | ng | | 85 |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 752095 | 37.794 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 1734908 | 42.325 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.99 | 142 | 1633173 | 42.286 | ng | | 95 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 824794 | 42.313 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.05 | 237 | 402125 | 37.467 ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.16 | 196 | 522467 | 38.867 ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.20 | 196 | 549341 | 39.058 ng | | 98 |
| 46) 1,1'-Biphenyl | 9.36 | 154 | 2093122 | 43.053 ng | | 97 |
| 47) 2-Chloronaphthalene | 9.38 | 162 | 1667600 | 41.321 ng | | 96 |
| 48) 2-Nitroaniline | 9.46 | 65 | 405139 | 37.166 ng | | 90 |
| 49) Acenaphthylene | 9.80 | 152 | 2561876 | 42.781 ng | | 98 |
| 50) Dimethylphthalate | 9.65 | 163 | 1927924 | 41.082 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.71 | 165 | 410290 | 41.190 ng | | 93 |
| 52) Acenaphthene | 9.97 | 154 | 1571311 | 41.817 ng | | 98 |
| 53) 3-Nitroaniline | 9.87 | 138 | 483698 | 40.648 ng | | 95 |
| 54) 2,4-Dinitrophenol | 9.97 | 184 | 122210 | 37.838 ng | # | 1 |
| 55) Dibenzofuran | 10.14 | 168 | 2333616 | 43.735 ng | | 99 |
| 56) 4-Nitrophenol | 10.02 | 139 | 339008 | 39.857 ng | | 92 |
| 57) 2,4-Dinitrotoluene | 10.11 | 165 | 533113 | 41.922 ng | | 90 |
| 58) Fluorene | 10.49 | 166 | 1767073 | 44.004 ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.26 | 232 | 442084 | 41.514 ng | | 96 |
| 60) Diethylphthalate | 10.36 | 149 | 1913386 | 40.733 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.48 | 204 | 912144 | 43.701 ng | | 97 |
| 62) 4-Nitroaniline | 10.49 | 138 | 478914 | 42.193 ng | | 95 |
| 63) Azobenzene | 10.64 | 77 | 1750597 | 38.917 ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 170711 | 37.426 ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.59 | 169 | 1550237 | 41.638 ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.97 | 248 | 547514 | 42.991 ng | | 94 |
| 68) Hexachlorobenzene | 11.05 | 284 | 613011 | 44.176 ng | | 94 |
| 69) Atrazine | 11.12 | 200 | 379653 | 37.826 ng | | 96 |
| 70) Pentachlorophenol | 11.23 | 266 | 299859 | 39.880 ng | | 97 |
| 71) Phenanthrene | 11.46 | 178 | 2720529 | 43.556 ng | | 98 |
| 72) Anthracene | 11.51 | 178 | 2662180 | 43.147 ng | | 99 |
| 73) Carbazole | 11.66 | 167 | 2484367 | 42.658 ng | | 99 |
| 74) Di-n-butylphthalate | 12.00 | 149 | 2957390 | 41.878 ng | | 99 |
| 75) Fluoranthene | 12.66 | 202 | 2963348 | 43.659 ng | | 97 |
| 77) Benzidine | 12.77 | 184 | 1078738 | 29.210 ng | | 96 |
| 78) Pyrene | 12.89 | 202 | 3103793 | 39.417 ng | | 98 |
| 80) Butylbenzylphthalate | 13.52 | 149 | 1239175 | 35.320 ng | # | 87 |
| 81) Benzo(a)anthracene | 14.09 | 228 | 2780804 | 40.093 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.05 | 252 | 955877 | 37.358 ng | # | 98 |
| 83) Chrysene | 14.13 | 228 | 2702850 | 41.199 ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 1756153 | 38.463 ng | | 98 |
| 85) Di-n-octyl phthalate | 14.71 | 149 | 2920331 | 36.297 ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 17.17 | 276 | 3075915 | 37.417 ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.17 | 252 | 2890527 | 40.244 ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.20 | 252 | 2666752 | 40.573 ng | | 99 |
| 90) Benzo(a)pyrene | 15.56 | 252 | 2576233 | 39.734 ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 17.19 | 278 | 2550530 | 39.336 ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.63 | 276 | 2466330 | 38.431 ng | | 95 |

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

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