Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
Data File : BF109951.D
Acq On : 18 Oct 2018 10:42
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 19 02:14:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 227244 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 936420 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.02 | 164 | 435946 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.51 | 188 | 805129 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.16 | 240 | 535318 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.68 | 264 | 415922 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 1103471 | 76.97 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 1389983 | 78.08 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.55 | 82 | 1221948 | 87.90 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.82 | 330 | 335642 | 88.93 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.34 | 172 | 2101929 | 76.94 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.10 | 244 | 2035113 | 79.83 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.85 | 88 | 300509 | 36.907 | ng | | 93 |
| 3) Pyridine | 3.62 | 79 | 694500 | 38.258 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.59 | 42 | 273980 | 36.999 | ng | | 98 |
| 6) Aniline | 6.64 | 93 | 925009 | 38.559 | ng | # | 53 |
| 8) 2-Chlorophenol | 6.76 | 128 | 635232 | 39.558 | ng | | 99 |
| 9) Benzaldehyde | 6.53 | 77 | 434958 | 37.599 | ng | | 95 |
| 10) Phenol | 6.61 | 94 | 748538 | 38.947 | ng | # | 61 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 605756 | 37.695 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.92 | 146 | 686922 | 39.011 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.00 | 146 | 689951 | 38.906 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 640242 | 39.206 | ng | | 98 |
| 15) Benzyl Alcohol | 7.12 | 79 | 537541 | 39.250 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 948650 | 35.966 | ng | | 68 |
| 17) 2-Methylphenol | 7.22 | 107 | 500182 | 38.627 | ng | # | 81 |
| 18) Hexachloroethane | 7.49 | 117 | 251017 | 40.054 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 423086 | 37.016 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 639241 | 38.902 | ng | | 94 |
| 22) Acetophenone | 7.39 | 105 | 820354 | 37.776 | ng | | 98 |
| 24) Nitrobenzene | 7.56 | 77 | 632300 | 41.871 | ng | | 91 |
| 25) Isophorone | 7.80 | 82 | 1023987 | 37.490 | ng | | 96 |
| 26) 2-Nitrophenol | 7.87 | 139 | 323310 | 51.637 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 516390 | 39.250 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 693224 | 36.981 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 518863 | 40.655 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 565346 | 39.562 | ng | | 96 |
| 31) Naphthalene | 8.29 | 128 | 1650550 | 38.438 | ng | | 99 |
| 32) Benzoic acid | 8.00 | 122 | 241693 | 29.485 | ng | | 93 |
| 33) 4-Chloroaniline | 8.33 | 127 | 752376 | 38.977 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.40 | 225 | 311365 | 39.513 | ng | | 98 |
| 35) Caprolactam | 8.70 | 113 | 171841 | 37.912 | ng | # | 90 |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 532768 | 39.570 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 1082914 | 38.946 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.07 | 142 | 1042990 | 38.710 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 531756 | 39.602 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.13 | 237 | 275050 | 42.440 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.25 | 196 | 352552 | 41.990 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 9.29 | 196 | 364657 | 41.846 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.44 | 154 | 1491622 | 38.403 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.47 | 162 | 1106788 | 38.685 | ng | | 99 |
| 48) 2-Nitroaniline | 9.56 | 65 | 343396 | 46.770 | ng | | 96 |
| 49) Acenaphthylene | 9.89 | 152 | 1608967 | 38.712 | ng | | 97 |
| 50) Dimethylphthalate | 9.74 | 163 | 1191008 | 38.583 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.80 | 165 | 277867 | 47.393 | ng | # | 82 |
| 52) Acenaphthene | 10.06 | 154 | 1051673 | 39.744 | ng | | 98 |
| 53) 3-Nitroaniline | 9.97 | 138 | 327323 | 45.895 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 10.07 | 184 | 101644 | 57.269 | ng | # | 82 |
| 55) Dibenzofuran | 10.23 | 168 | 1462588 | 38.757 | ng | | 97 |
| 56) 4-Nitrophenol | 10.12 | 139 | 244244 | 44.882 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 10.20 | 165 | 362880 | 48.901 | ng | # | 87 |
| 58) Fluorene | 10.57 | 166 | 1064718 | 38.758 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.34 | 232 | 298028 | 43.154 | ng | | 97 |
| 60) Diethylphthalate | 10.43 | 149 | 1184421 | 38.848 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.56 | 204 | 567459 | 39.655 | ng | | 99 |
| 62) 4-Nitroaniline | 10.59 | 138 | 316060 | 46.815 | ng | | 90 |
| 63) Azobenzene | 10.72 | 77 | 1170272 | 36.742 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 143654 | 49.045 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.68 | 169 | 1028687 | 38.361 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 11.05 | 248 | 341838 | 39.177 | ng | | 94 |
| 68) Hexachlorobenzene | 11.12 | 284 | 367238 | 39.468 | ng | | 99 |
| 69) Atrazine | 11.20 | 200 | 334909 | 39.983 | ng | | 99 |
| 70) Pentachlorophenol | 11.31 | 266 | 227525 | 42.967 | ng | | 96 |
| 71) Phenanthrene | 11.54 | 178 | 1581791 | 37.949 | ng | | 99 |
| 72) Anthracene | 11.59 | 178 | 1609037 | 38.397 | ng | | 100 |
| 73) Carbazole | 11.74 | 167 | 1569317 | 38.105 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.06 | 149 | 1732579 | 37.695 | ng | | 99 |
| 75) Fluoranthene | 12.73 | 202 | 1580206 | 37.949 | ng | | 97 |
| 77) Benzidine | 12.84 | 184 | 819342 | 39.920 | ng | | 98 |
| 78) Pyrene | 12.96 | 202 | 1615699 | 41.094 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.57 | 149 | 663168 | 41.720 | ng | | 94 |
| 81) Benzo(a)anthracene | 14.14 | 228 | 1216747 | 38.588 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.10 | 252 | 435267 | 39.375 | ng | | 97 |
| 83) Chrysene | 14.19 | 228 | 1165297 | 38.826 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 831967 | 39.777 | ng | # | 94 |
| 85) Di-n-octyl phthalate | 14.74 | 149 | 1193300 | 40.467 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 1011858 | 41.872 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 15.23 | 252 | 974354 | 40.634 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.26 | 252 | 868297 | 36.738 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.62 | 252 | 858239 | 38.916 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.27 | 278 | 844718 | 43.220 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.73 | 276 | 863090 | 43.707 | ng | # | 96 |

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

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