Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103687.D
Acq On : 16 Mar 2018 11:03
Operator : JU/SJ
Sample : PB107245BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB107245BS

**Manual Integrations APPROVED**
Sohil
3/19/2018 2:00:36 PM

Quant Time: Mar 16 14:17:29 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 16 13:24:19 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 160266 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.25 | 136 | 659103 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 311120 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 566445 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.15 | 240 | 452925 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.67 | 264 | 363021 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 1153388 | 109.46 | ng | | 0.01 |
| 7) Phenol-d6 | 6.59 | 99 | 1422658 | 110.36 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 866929 | 91.72 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 334320 | 124.98 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.33 | 172 | 1488321 | 76.31 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.09 | 244 | 1532576 | 78.54 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.90 | 88 | 173868 | 33.511 | ng | | 93 |
| 3) Pyridine | 3.66 | 79 | 481973 | 33.773 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.62 | 42 | 209865 | 39.884 | ng | | 87 |
| 6) Aniline | 6.63 | 93 | 307479 | 16.704 | ng | | 98 |
| 8) 2-Chlorophenol | 6.75 | 128 | 439713 | 39.836 | ng | | 98 |
| 9) Benzaldehyde | 6.52 | 77 | 199889 | 23.602 | ng | | 99 |
| 10) Phenol | 6.60 | 94 | 530540 | 38.730 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 422067 | 37.324 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 448761 | 35.696 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 455050 | 36.021 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 420629 | 35.882 | ng | | 98 |
| 15) Benzyl Alcohol | 7.10 | 79 | 388031 | 38.849 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 588864 | 36.612 | ng | | 96 |
| 17) 2-Methylphenol | 7.21 | 107 | 370224 | 37.664 | ng | | 99 |
| 18) Hexachloroethane | 7.48 | 117 | 169861 | 38.225 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 302848 | 36.658 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.36 | 107 | 465161 | 37.289 | ng | | 99 |
| 22) Acetophenone | 7.37 | 105 | 599158 | 35.371 | ng | # | 95 |
| 24) Nitrobenzene | 7.55 | 77 | 467532 | 42.135 | ng | | 96 |
| 25) Isophorone | 7.79 | 82 | 865522 | 39.559 | ng | | 99 |
| 26) 2-Nitrophenol | 7.86 | 139 | 209055 | 49.221 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.89 | 122 | 418877 | 44.689 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93 | 546461 | 41.246 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 359479 | 42.155 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.19 | 180 | 359264 | 36.324 | ng | | 99 |
| 31) Naphthalene | 8.27 | 128 | 1232217 | 37.010 | ng | | 100 |
| 32) Benzoic acid | 7.92 | 122 | 13046m | 11.471 | ng | | |
| 33) 4-Chloroaniline | 8.31 | 127 | 157816 | 11.298 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.39 | 225 | 194072 | 35.788 | ng | | 99 |
| 35) Caprolactam | 8.68 | 113 | 109540m | 37.304 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.79 | 107 | 392355 | 41.736 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.96 | 142 | 811639 | 38.441 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.13 | 216 | 323317 | 36.426 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.12 | 237 | 392404 | 85.678 | ng | | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.23 | 196 | 248651 | 43.798 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.27 | 196 | 259485 | 40.495 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.43 | 154 | 944819 | 36.419 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 766029 | 37.176 | ng | | 100 |
| 47) 2-Nitroaniline | 9.55 | 65 | 241297 | 45.224 | ng | | 95 |
| 48) Acenaphthylene | 9.87 | 152 | 1173988 | 36.742 | ng | | 99 |
| 49) Dimethylphthalate | 9.73 | 163 | 906638 | 38.195 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.79 | 165 | 197935 | 43.512 | ng | | 95 |
| 51) Acenaphthene | 10.05 | 154 | 702373 | 37.021 | ng | | 98 |
| 52) 3-Nitroaniline | 9.96 | 138 | 119771 | 23.849 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 10.06 | 184 | 25802 | 33.986 | ng | # | 33 |
| 54) Dibenzofuran | 10.22 | 168 | 1053667 | 38.885 | ng | | 98 |
| 55) 4-Nitrophenol | 10.11 | 139 | 362041 | 83.103 | ng | | 100 |
| 56) 2,4-Dinitrotoluene | 10.19 | 165 | 269753 | 46.582 | ng | | 98 |
| 57) Fluorene | 10.56 | 166 | 794803 | 37.800 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 197251 | 43.443 | ng | | 98 |
| 59) Diethylphthalate | 10.43 | 149 | 900875 | 38.238 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204 | 364127 | 37.893 | ng | | 99 |
| 61) 4-Nitroaniline | 10.57 | 138 | 225427 | 42.986 | ng | | 97 |
| 62) Azobenzene | 10.71 | 77 | 925786 | 38.651 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 39612 | 26.412 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 10.67 | 169 | 738622 | 38.309 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.04 | 248 | 225928 | 38.847 | ng | | 95 |
| 67) Hexachlorobenzene | 11.10 | 284 | 249258 | 37.551 | ng | | 97 |
| 68) Atrazine | 11.19 | 200 | 239009 | 40.073 | ng | | 98 |
| 69) Pentachlorophenol | 11.30 | 266 | 187898 | 49.236 | ng | | 98 |
| 70) Phenanthrene | 11.53 | 178 | 1167796 | 37.688 | ng | | 99 |
| 71) Anthracene | 11.57 | 178 | 1218945 | 38.732 | ng | | 99 |
| 72) Carbazole | 11.73 | 167 | 1145859 | 37.461 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.05 | 149 | 1461626 | 39.824 | ng | | 100 |
| 74) Fluoranthene | 12.72 | 202 | 1248881 | 39.122 | ng | | 100 |
| 76) Benzidine | 12.83 | 184 | 451957 | 23.396 | ng | | 99 |
| 77) Pyrene | 12.95 | 202 | 1272395 | 38.253 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.56 | 149 | 628827 | 42.670 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.14 | 228 | 1112112 | 38.790 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.10 | 252 | 119279 | 12.438 | ng | | 97 |
| 82) Chrysene | 14.17 | 228 | 1041998 | 38.127 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 860658 | 40.880 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.74 | 149 | 1376486 | 44.941 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.23 | 276 | 800512 | 33.541 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 978256 | 42.654 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.26 | 252 | 872027 | 39.554 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.61 | 252 | 865324 | 41.598 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.26 | 278 | 673254 | 37.377 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.72 | 276 | 659461 | 37.633 | ng | | 96 |

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

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