Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\
Data File : BF098412.D
Acq On : 11 Sep 2017 19:57
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
9/12/2017 6:02:04 PM

Quant Time: Sep 12 02:04:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 11 19:42:20 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.67 | 152 | 208118 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.95 | 136 | 899733 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.70 | 164 | 400403 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.18 | 188 | 730133 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.82 | 240 | 495488 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.22 | 264 | 405787 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.27 | 112 | 1143343 | 81.23 | ng | | 0.00 |
| 7) Phenol-d6 | 6.32 | 99 | 1416957 | 79.28 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.24 | 82 | 1265779 | 78.43 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 231940 | 86.79 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.03 | 172 | 1882574 | 79.69 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.77 | 244 | 1819732 | 79.27 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 293165 | 40.352 | ng | | 88 |
| 3) Pyridine | 2.99 | 79 | 797275 | 41.323 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 2.96 | 42 | 387924 | 41.011 | ng | | 90 |
| 6) Aniline | 6.33 | 93 | 881481 | 39.315 | ng | # | 20 |
| 8) 2-Chlorophenol | 6.46 | 128 | 621632 | 40.162 | ng | | 94 |
| 9) Benzaldehyde | 6.22 | 77 | 463314 | 39.657 | ng | | 90 |
| 10) Phenol | 6.33 | 94 | 816849 | 39.350 | ng | # | 65 |
| 11) bis(2-Chloroethyl)ether | 6.41 | 93 | 628068 | 40.129 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.61 | 146 | 619630 | 39.773 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.69 | 146 | 634559 | 39.765 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.84 | 146 | 571903 | 39.337 | ng | | 99 |
| 15) Benzyl Alcohol | 6.82 | 79 | 461956 | 38.839 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45 | 1007426 | 39.120 | ng | | 83 |
| 17) 2-Methylphenol | 6.94 | 107 | 505237 | 40.030 | ng | | 93 |
| 18) Hexachloroethane | 7.17 | 117 | 246469 | 40.330 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70 | 438298 | 38.989 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.10 | 107 | 632879 | 39.734 | ng | # | 70 |
| 22) Acetophenone | 7.09 | 105 | 894337 | 38.459 | ng | # | 95 |
| 24) Nitrobenzene | 7.26 | 77 | 723104 | 39.335 | ng | | 95 |
| 25) Isophorone | 7.50 | 82 | 1265408 | 38.753 | ng | | 99 |
| 26) 2-Nitrophenol | 7.57 | 139 | 314980 | 42.437 | ng | # | 79 |
| 27) 2,4-Dimethylphenol | 7.62 | 122 | 549973 | 38.870 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.71 | 93 | 780349 | 39.165 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 476584 | 40.499 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.90 | 180 | 500896 | 39.130 | ng | | 99 |
| 31) Naphthalene | 7.97 | 128 | 1714955 | 38.557 | ng | | 99 |
| 32) Benzoic acid | 7.78 | 122 | 348819 | 38.618 | ng | | 95 |
| 33) 4-Chloroaniline | 8.03 | 127 | 713296 | 39.459 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.09 | 225 | 260953 | 39.710 | ng | | 98 |
| 35) Caprolactam | 8.42 | 113 | 163451 | 40.280 | ng | # | 62 |
| 36) 4-Chloro-3-methylphenol | 8.52 | 107 | 580455 | 39.774 | ng | # | 81 |
| 37) 2-Methylnaphthalene | 8.66 | 142 | 1048073 | 38.901 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 488464 | 39.163 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.82 | 237 | 124720 | 39.781 | ng | | 99 |

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Data File : BF098412.D
Acq On : 11 Sep 2017 19:57
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
9/12/2017 6:02:04 PM

Quant Time: Sep 12 02:04:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 11 19:42:20 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.95 | 196 | 301892 | 41.209 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 9.00 | 196 | 309624 | 40.435 | ng | | 92 |
| 45) 1,1'-Biphenyl | 9.13 | 154 | 1393948 | 38.895 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.16 | 162 | 998107 | 38.996 | ng | # | 93 |
| 47) 2-Nitroaniline | 9.26 | 65 | 404234 | 41.149 | ng | | 90 |
| 48) Acenaphthylene | 9.57 | 152 | 1478225 | 38.843 | ng | | 99 |
| 49) Dimethylphthalate | 9.44 | 163 | 1203063 | 38.815 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.50 | 165 | 268849 | 42.228 | ng | # | 78 |
| 51) Acenaphthene | 9.74 | 154 | 942578 | 38.964 | ng | | 97 |
| 52) 3-Nitroaniline | 9.67 | 138 | 316721 | 41.211 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.79 | 184 | 99887 | 38.179 | ng | # | 78 |
| 54) Dibenzofuran | 9.91 | 168 | 1220463 | 38.296 | ng | | 98 |
| 55) 4-Nitrophenol | 9.85 | 139 | 179676 | 40.693 | ng | # | 36 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 315385 | 40.746 | ng | # | 46 |
| 57) Fluorene | 10.25 | 166 | 1017109 | 38.559 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 215329 | 41.843 | ng | | 99 |
| 59) Diethylphthalate | 10.13 | 149 | 1135445 | 38.520 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.25 | 204 | 467601 | 38.379 | ng | | 88 |
| 61) 4-Nitroaniline | 10.29 | 138 | 314422 | 40.511 | ng | | 82 |
| 62) Azobenzene | 10.40 | 77 | 1216681 | 38.297 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.32 | 198 | 174696 | 39.939 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 10.37 | 169 | 925310 | 39.030 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.73 | 248 | 277144 | 39.994 | ng | | 96 |
| 67) Hexachlorobenzene | 10.80 | 284 | 281943 | 40.112 | ng | # | 83 |
| 68) Atrazine | 10.90 | 200 | 281142 | 38.520 | ng | | 98 |
| 69) Pentachlorophenol | 11.00 | 266 | 111085 | 39.544 | ng | | 96 |
| 70) Phenanthrene | 11.21 | 178 | 1503797 | 38.851 | ng | | 99 |
| 71) Anthracene | 11.26 | 178 | 1547522 | 38.941 | ng | | 99 |
| 72) Carbazole | 11.42 | 167 | 1419771 | 38.335 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.75 | 149 | 1762614 | 39.721 | ng | | 99 |
| 74) Fluoranthene | 12.39 | 202 | 1504450 | 38.826 | ng | | 98 |
| 76) Benzidine | 12.52 | 184 | 860673 | 39.249 | ng | | 97 |
| 77) Pyrene | 12.62 | 202 | 1545689 | 39.544 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.24 | 149 | 712335 | 42.008 | ng | # | 71 |
| 80) Benzo(a)anthracene | 13.81 | 228 | 1143679 | 39.370 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.77 | 252 | 469360 | 41.575 | ng | # | 96 |
| 82) Chrysene | 13.84 | 228 | 1157319 | 39.413 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.80 | 149 | 861582 | 40.485 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.41 | 149 | 1527201 | 41.826 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 16.56 | 276 | 760659 | 36.922 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.82 | 252 | 981939 | 38.485 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.85 | 252 | 981023m | 41.186 | ng | | |
| 89) Benzo(a)pyrene | 15.16 | 252 | 910410 | 40.052 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.57 | 278 | 630680 | 38.141 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.96 | 276 | 614095 | 36.924 | ng | | 98 |

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

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Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\
Data File : BF098412.D
Acq On : 11 Sep 2017 19:57
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 02:04:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
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9/12/2017 6:02:04 PM