Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112857.D
Acq On : 5 Mar 2019 17:23
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/6/2019 12:24:23 PM

Quant Time: Mar 06 03:31:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 208562 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 832610 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.77 | 164 | 408380 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.25 | 188 | 817014 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.88 | 240 | 543858 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.29 | 264 | 468930 | 20.00 | ng | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 989596 | 73.81 | ng | 0.00 |
| 7) Phenol-d6 | 6.38 | 99 | 1290032 | 76.60 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 1152097 | 82.80 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.56 | 330 | 401852 | 92.69 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.10 | 172 | 2062181 | 83.20 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.83 | 244 | 2170467 | 77.36 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.45 | 88 | 233921 | 34.805 | ng | 98 |
| 3) Pyridine | 3.16 | 79 | 661552 | 36.792 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.09 | 42 | 281898 | 35.840 | ng | 97 |
| 6) Aniline | 6.40 | 93 | 849456 | 36.641 | ng | 99 |
| 8) 2-Chlorophenol | 6.53 | 128 | 582447 | 39.025 | ng | 97 |
| 9) Benzaldehyde | 6.29 | 77 | 395283 | 32.572 | ng | 99 |
| 10) Phenol | 6.39 | 94 | 733641 | 37.328 | ng | 84 |
| 11) bis(2-Chloroethyl)ether | 6.48 | 93 | 562332 | 37.277 | ng | 95 |
| 12) 1,3-Dichlorobenzene | 6.68 | 146 | 618369 | 40.107 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.76 | 146 | 619555 | 40.069 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.92 | 146 | 570923 | 40.279 | ng | 98 |
| 15) Benzyl Alcohol | 6.89 | 79 | 508158 | 39.568 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 917986 | 36.465 | ng | 98 |
| 17) 2-Methylphenol | 7.00 | 107 | 471885 | 38.973 | ng | 99 |
| 18) Hexachloroethane | 7.26 | 117 | 232503 | 39.255 | ng | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 400017 | 37.501 | ng | 99 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 532694 | 38.969 | ng | 95 |
| 22) Acetophenone | 7.15 | 105 | 796052 | 40.889 | ng | 100 |
| 24) Nitrobenzene | 7.32 | 77 | 612194 | 39.530 | ng | 99 |
| 25) Isophorone | 7.57 | 82 | 1148615 | 38.317 | ng | 98 |
| 26) 2-Nitrophenol | 7.64 | 139 | 306840 | 47.596 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 466029 | 38.857 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 723136 | 38.584 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.88 | 162 | 494703 | 42.534 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.97 | 180 | 528223 | 42.267 | ng | 98 |
| 31) Naphthalene | 8.05 | 128 | 1627363 | 39.368 | ng | 99 |
| 32) Benzoic acid | 7.82 | 122 | 387724 | 46.124 | ng | 93 |
| 33) 4-Chloroaniline | 8.09 | 127 | 697870 | 39.859 | ng | 97 |
| 34) Hexachlorobutadiene | 8.17 | 225 | 317124 | 44.995 | ng | 98 |
| 35) Caprolactam | 8.47 | 113 | 169302m | 41.329 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.58 | 107 | 526290 | 40.887 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 1083253 | 40.579 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.83 | 142 | 1050017 | 40.605 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.90 | 216 | 504683 | 42.379 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.89 | 237 | 292848 | 44.907 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.02 | 196 | 355848 | 43.417 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.05 | 196 | 377638 | 42.628 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.20 | 154 | 1343566 | 40.336 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.22 | 162 | 1027951 | 39.522 | ng | | 100 |
| 48) 2-Nitroaniline | 9.32 | 65 | 332632 | 42.075 | ng | | 99 |
| 49) Acenaphthylene | 9.64 | 152 | 1709582 | 38.718 | ng | | 100 |
| 50) Dimethylphthalate | 9.50 | 163 | 1229408 | 40.828 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.56 | 165 | 269371 | 42.958 | ng | # | 80 |
| 52) Acenaphthene | 9.81 | 154 | 1023021 | 39.619 | ng | | 99 |
| 53) 3-Nitroaniline | 9.73 | 138 | 308531 | 40.380 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 9.83 | 184 | 124004 | 50.900 | ng | | 97 |
| 55) Dibenzofuran | 9.98 | 168 | 1443089 | 38.453 | ng | | 99 |
| 56) 4-Nitrophenol | 9.89 | 139 | 258938 | 41.699 | ng | | 86 |
| 57) 2,4-Dinitrotoluene | 9.96 | 165 | 346229 | 44.420 | ng | | 91 |
| 58) Fluorene | 10.32 | 166 | 1065132 | 39.988 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.10 | 232 | 326441 | 44.229 | ng | | 96 |
| 60) Diethylphthalate | 10.20 | 149 | 1222664 | 38.445 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.32 | 204 | 520417 | 41.993 | ng | | 95 |
| 62) 4-Nitroaniline | 10.34 | 138 | 309074 | 43.776 | ng | | 97 |
| 63) Azobenzene | 10.47 | 77 | 1179104 | 36.197 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.37 | 198 | 161048 | 47.976 | ng | # | 73 |
| 66) n-Nitrosodiphenylamine | 10.43 | 169 | 1005864 | 38.388 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.80 | 248 | 364119 | 42.312 | ng | | 92 |
| 68) Hexachlorobenzene | 10.87 | 284 | 414859 | 42.766 | ng | # | 89 |
| 69) Atrazine | 10.96 | 200 | 316098 | 39.389 | ng | | 98 |
| 70) Pentachlorophenol | 11.06 | 266 | 261835 | 45.859 | ng | | 99 |
| 71) Phenanthrene | 11.28 | 178 | 1607459 | 39.544 | ng | | 99 |
| 72) Anthracene | 11.33 | 178 | 1636655 | 38.463 | ng | | 100 |
| 73) Carbazole | 11.48 | 167 | 1566968 | 37.750 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.82 | 149 | 1904843 | 38.272 | ng | | 100 |
| 75) Fluoranthene | 12.46 | 202 | 1718682 | 39.463 | ng | | 98 |
| 77) Benzidine | 12.58 | 184 | 968266 | 34.316 | ng | | 99 |
| 78) Pyrene | 12.69 | 202 | 1750255 | 38.175 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.31 | 149 | 782456 | 38.663 | ng | | 91 |
| 81) Benzo(a)anthracene | 13.87 | 228 | 1313083 | 34.836 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.83 | 252 | 561914 | 39.417 | ng | | 98 |
| 83) Chrysene | 13.91 | 228 | 1353098 | 36.648 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.87 | 149 | 871607 | 36.718 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.47 | 149 | 1471897 | 36.110 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.65 | 276 | 1117565 | 35.505 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 14.89 | 252 | 1160418 | 38.258 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.92 | 252 | 1096129 | 39.896 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.23 | 252 | 1041970 | 38.838 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.67 | 278 | 916150 | 40.018 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.06 | 276 | 926622 | 40.309 | ng | | 95 |

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

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