Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
Data File : BF119893.D
Acq On : 10 Apr 2020 14:37
Operator : MA/SJ
Sample : PB128115BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB128115BS

**Manual Integrations APPROVED**
mohammad
4/14/2020 3:39:01 PM

Quant Time: Apr 11 05:32:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 10 13:48:19 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 188687 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.04 | 136 | 741100 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.80 | 164 | 391904 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.28 | 188 | 764381 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.93 | 240 | 528996 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.36 | 264 | 472046 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 1324225 | 121.29 | ng | 0.02 |
| 7) Phenol-d6 | 6.39 | 99 | 1693477 | 120.37 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.32 | 82 | 1061210 | 74.08 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.59 | 330 | 522795 | 108.96 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.12 | 172 | 2082714 | 75.45 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.87 | 244 | 2359421 | 75.05 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.51 | 88 | 160759 | 33.058 | ng | 98 |
| 3) Pyridine | 3.22 | 79 | 426920 | 31.997 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.17 | 42 | 255960 | 37.547 | ng | 99 |
| 6) Aniline | 6.42 | 93 | 674371 | 36.521 | ng | 99 |
| 8) 2-Chlorophenol | 6.54 | 128 | 557923 | 45.734 | ng | 98 |
| 9) Benzaldehyde | 6.30 | 77 | 218473 | 24.146 | ng | 100 |
| 10) Phenol | 6.40 | 94 | 704610 | 44.146 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 6.49 | 93 | 525484 | 42.640 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.69 | 146 | 558212 | 41.796 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.77 | 146 | 559712 | 41.141 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.93 | 146 | 527714 | 42.089 | ng | 97 |
| 15) Benzyl Alcohol | 6.90 | 79 | 414615 | 37.944 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.03 | 45 | 948867 | 39.568 | ng | 99 |
| 17) 2-Methylphenol | 7.02 | 107 | 445034 | 40.878 | ng | 96 |
| 18) Hexachloroethane | 7.27 | 117 | 212561 | 41.806 | ng | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70 | 384509 | 42.502 | ng | 98 |
| 20) 3+4-Methylphenols | 7.17 | 107 | 553191 | 41.547 | ng | 98 |
| 22) Acetophenone | 7.17 | 105 | 722955 | 41.659 | ng | 97 |
| 24) Nitrobenzene | 7.34 | 77 | 581948 | 40.383 | ng | 99 |
| 25) Isophorone | 7.58 | 82 | 1077383 | 39.014 | ng | 100 |
| 26) 2-Nitrophenol | 7.66 | 139 | 302371 | 41.998 | ng | 95 |
| 27) 2,4-Dimethylphenol | 7.70 | 122 | 478030 | 44.024 | ng | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93 | 687409 | 42.303 | ng | 99 |
| 29) 2,4-Dichlorophenol | 7.90 | 162 | 470918 | 42.310 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.98 | 180 | 494004 | 39.172 | ng | 96 |
| 31) Naphthalene | 8.06 | 128 | 1584065 | 40.626 | ng | 100 |
| 32) Benzoic acid | 7.83 | 122 | 387451 | 40.629 | ng | 95 |
| 33) 4-Chloroaniline | 8.11 | 127 | 481321 | 28.356 | ng | 99 |
| 34) Hexachlorobutadiene | 8.18 | 225 | 286581 | 37.962 | ng | 99 |
| 35) Caprolactam | 8.49 | 113 | 149164m | 43.812 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.60 | 107 | 518690 | 43.044 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.75 | 142 | 1076088 | 40.707 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.85 | 142 | 1044074 | 41.903 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.92 | 216 | 473431 | 38.248 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.91 | 237 | 572145 | 81.287 ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.03 | 196 | 349619 | 40.903 ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.07 | 196 | 374751 | 38.927 ng | 98 |
| 46) 1,1'-Biphenyl | 9.22 | 154 | 1317781 | 39.838 ng | 99 |
| 47) 2-Chloronaphthalene | 9.25 | 162 | 1019817 | 40.021 ng | 99 |
| 48) 2-Nitroaniline | 9.34 | 65 | 374069 | 40.508 ng | 96 |
| 49) Acenaphthylene | 9.66 | 152 | 1606997 | 41.467 ng | 99 |
| 50) Dimethylphthalate | 9.53 | 163 | 1208137 | 39.855 ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.59 | 165 | 270451 | 40.742 ng | 89 |
| 52) Acenaphthene | 9.83 | 154 | 1153618m | 44.625 ng | |
| 53) 3-Nitroaniline | 9.75 | 138 | 227400 | 29.995 ng | 97 |
| 54) 2,4-Dinitrophenol | 9.86 | 184 | 338768 | 85.241 ng | 92 |
| 55) Dibenzofuran | 10.00 | 168 | 1458052 | 41.101 ng | 98 |
| 56) 4-Nitrophenol | 9.92 | 139 | 471418 | 83.572 ng | 97 |
| 57) 2,4-Dinitrotoluene | 9.99 | 165 | 359776 | 41.137 ng | 100 |
| 58) Fluorene | 10.35 | 166 | 1139475 | 40.164 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.12 | 232 | 323755 | 43.971 ng | 97 |
| 60) Diethylphthalate | 10.23 | 149 | 1244619 | 39.615 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.34 | 204 | 537603 | 36.972 ng | 95 |
| 62) 4-Nitroaniline | 10.37 | 138 | 299963 | 41.517 ng | 96 |
| 63) Azobenzene | 10.50 | 77 | 1172492 | 41.643 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.40 | 198 | 213662 | 42.429 ng | 83 |
| 66) n-Nitrosodiphenylamine | 10.46 | 169 | 1031138 | 40.562 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.83 | 248 | 354945 | 37.340 ng | 97 |
| 68) Hexachlorobenzene | 10.90 | 284 | 388523 | 40.289 ng | 93 |
| 69) Atrazine | 10.99 | 200 | 307252 | 43.440 ng | 99 |
| 70) Pentachlorophenol | 11.09 | 266 | 440160 | 79.205 ng | 99 |
| 71) Phenanthrene | 11.31 | 178 | 1630968 | 40.091 ng | 98 |
| 72) Anthracene | 11.36 | 178 | 1708282 | 41.106 ng | 100 |
| 73) Carbazole | 11.52 | 167 | 1576474 | 40.113 ng | 99 |
| 74) Di-n-butylphthalate | 11.85 | 149 | 1932258 | 37.400 ng | 100 |
| 75) Fluoranthene | 12.50 | 202 | 1804613 | 41.113 ng | 99 |
| 77) Benzidine | 12.62 | 184 | 676167 | 37.814 ng | 97 |
| 78) Pyrene | 12.73 | 202 | 1797916 | 40.316 ng | 100 |
| 80) Butylbenzylphthalate | 13.35 | 149 | 791911 | 36.596 ng | 100 |
| 81) Benzo(a)anthracene | 13.92 | 228 | 1383480 | 39.754 ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.88 | 252 | 421974 | 32.497 ng | 96 |
| 83) Chrysene | 13.96 | 228 | 1421980 | 40.214 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 976379 | 33.319 ng | 99 |
| 85) Di-n-octyl phthalate | 14.52 | 149 | 1692735 | 33.926 ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.77 | 276 | 1194620 | 38.326 ng | 99 |
| 88) Benzo(b)fluoranthene | 14.95 | 252 | 1377238 | 40.557 ng | 100 |
| 89) Benzo(k)fluoranthene | 14.98 | 252 | 1248103 | 42.598 ng | 100 |
| 90) Benzo(a)pyrene | 15.30 | 252 | 1160730 | 40.654 ng | 100 |
| 91) Dibenzo(a,h)anthracene | 16.79 | 278 | 994054 | 39.305 ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.20 | 276 | 974299 | 39.027 ng | 99 |

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

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