Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062519\
Data File : BF115189.D
Acq On : 25 Jun 2019 16:01
Operator : HP/JU
Sample : PB120652BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB120652BS

**Manual Integrations APPROVED**
mohammad
6/26/2019 2:03:25 PM

Quant Time: Jun 26 06:57:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 275605 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 1109988 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 558417 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.11 | 188 | 1079843 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.74 | 240 | 739785 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.09 | 264 | 777546 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 1962138 | 109.86 | ng | | 0.02 |
| 7) Phenol-d6 | 6.26 | 99 | 2423286 | 111.79 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 1496843 | 82.95 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.42 | 330 | 719040 | 122.10 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.97 | 172 | 2794556 | 85.01 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.69 | 244 | 2935388 | 84.36 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 300328 | 35.631 | ng | | 99 |
| 3) Pyridine | 2.94 | 79 | 819082 | 34.478 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.89 | 42 | 342423 | 36.767 | ng | | 96 |
| 6) Aniline | 6.27 | 93 | 739665 | 24.827 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.40 | 128 | 827899 | 41.225 | ng | | 99 |
| 9) Benzaldehyde | 6.15 | 77 | 114649 | 8.107 | ng | | 98 |
| 10) Phenol | 6.27 | 94 | 948289 | 37.346 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 751135 | 40.130 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 872245 | 39.136 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 882007 | 39.464 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.78 | 146 | 821776 | 39.705 | ng | | 99 |
| 15) Benzyl Alcohol | 6.76 | 79 | 472638 | 29.943 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 1060879 | 39.078 | ng | | 96 |
| 17) 2-Methylphenol | 6.88 | 107 | 720051 | 43.438 | ng | | 98 |
| 18) Hexachloroethane | 7.12 | 117 | 316966 | 39.339 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70 | 535836 | 38.610 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.03 | 107 | 815893 | 42.627 | ng | | 92 |
| 22) Acetophenone | 7.02 | 105 | 1096742 | 43.160 | ng | # | 97 |
| 24) Nitrobenzene | 7.20 | 77 | 839657 | 42.239 | ng | | 99 |
| 25) Isophorone | 7.44 | 82 | 1547940 | 41.877 | ng | | 99 |
| 26) 2-Nitrophenol | 7.51 | 139 | 471171 | 47.995 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 804329 | 50.041 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93 | 968025 | 41.434 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 724481 | 43.676 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 785510 | 42.872 | ng | | 99 |
| 31) Naphthalene | 7.91 | 128 | 2335239 | 42.859 | ng | | 99 |
| 32) Benzoic acid | 7.70 | 122 | 592769 | 51.665 | ng | | 97 |
| 33) 4-Chloroaniline | 7.97 | 127 | 564503 | 22.669 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.04 | 225 | 422494 | 42.078 | ng | | 99 |
| 35) Caprolactam | 8.34 | 113 | 243329m | 43.632 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.46 | 107 | 752633 | 44.803 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.61 | 142 | 1595481 | 43.429 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.71 | 142 | 1523420 | 43.418 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 676426 | 42.866 | ng | | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.77 | 237 | 699599 | 74.768 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 8.88 | 196 | 512234 | 42.046 | ng | 100 |
| 44) 2,4,5-Trichlorophenol | 8.93 | 196 | 584627 | 46.599 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.07 | 154 | 1854155 | 41.497 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.09 | 162 | 1512179 | 41.723 | ng | 97 |
| 48) 2-Nitroaniline | 9.18 | 65 | 456297 | 43.183 | ng | 98 |
| 49) Acenaphthylene | 9.50 | 152 | 2329625 | 41.255 | ng | 98 |
| 50) Dimethylphthalate | 9.38 | 163 | 1722398 | 41.924 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.43 | 165 | 416507 | 43.912 | ng | 97 |
| 52) Acenaphthene | 9.68 | 154 | 1384068 | 39.170 | ng | 99 |
| 53) 3-Nitroaniline | 9.59 | 138 | 314897 | 27.205 | ng | 97 |
| 54) 2,4-Dinitrophenol | 9.70 | 184 | 447268 | 90.572 | ng | 96 |
| 55) Dibenzofuran | 9.85 | 168 | 2034775 | 40.121 | ng | 99 |
| 56) 4-Nitrophenol | 9.77 | 139 | 728070 | 78.460 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 9.83 | 165 | 552313 | 45.097 | ng | 95 |
| 58) Fluorene | 10.19 | 166 | 1405146 | 41.034 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 484822 | 46.086 | ng | 99 |
| 60) Diethylphthalate | 10.08 | 149 | 1701390 | 41.198 | ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204 | 683418 | 42.162 | ng | 97 |
| 62) 4-Nitroaniline | 10.21 | 138 | 467680 | 40.276 | ng | 98 |
| 63) Azobenzene | 10.34 | 77 | 1568880 | 40.672 | ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 270366 | 47.153 | ng | 93 |
| 66) n-Nitrosodiphenylamine | 10.30 | 169 | 1446314 | 42.991 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248 | 491866 | 42.012 | ng | 97 |
| 68) Hexachlorobenzene | 10.73 | 284 | 546489 | 43.004 | ng | 95 |
| 69) Atrazine | 10.83 | 200 | 464952 | 42.963 | ng | 99 |
| 70) Pentachlorophenol | 10.92 | 266 | 683274 | 84.397 | ng | 97 |
| 71) Phenanthrene | 11.14 | 178 | 2308447 | 39.705 | ng | 99 |
| 72) Anthracene | 11.19 | 178 | 2367926 | 40.347 | ng | 98 |
| 73) Carbazole | 11.34 | 167 | 2171906 | 41.443 | ng | 98 |
| 74) Di-n-butylphthalate | 11.69 | 149 | 2488336 | 41.089 | ng | 98 |
| 75) Fluoranthene | 12.32 | 202 | 2389729 | 41.196 | ng | 97 |
| 77) Benzidine | 12.44 | 184 | 809388 | 24.639 | ng | 99 |
| 78) Pyrene | 12.54 | 202 | 2428234 | 42.711 | ng | 98 |
| 80) Butylbenzylphthalate | 13.18 | 149 | 1143710 | 45.585 | ng | 92 |
| 81) Benzo(a)anthracene | 13.72 | 228 | 2243143 | 42.258 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.69 | 252 | 702325 | 36.639 | ng | 99 |
| 83) Chrysene | 13.76 | 228 | 2116462 | 43.527 | ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.74 | 149 | 1447122 | 44.018 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.35 | 149 | 2500119 | 45.262 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.37 | 276 | 2403183 | 41.768 | ng | 99 |
| 88) Benzo(b)fluoranthene | 14.72 | 252 | 2403507 | 49.540 | ng | 98 |
| 89) Benzo(k)fluoranthene | 14.75 | 252 | 2112171 | 48.546 | ng | 98 |
| 90) Benzo(a)pyrene | 15.05 | 252 | 2200773 | 50.328 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.39 | 278 | 1958320 | 47.970 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 16.75 | 276 | 1987796 | 48.109 | ng | 98 |

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

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