Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111200.D
Acq On : 7 Dec 2018 21:22
Operator : JU/SJ
Sample : J6214-18MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-10(13-15)MSD

**Manual Integrations APPROVED**
Sohil
12/11/2018 8:44:48 AM

Quant Time: Dec 08 02:04:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 478265 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 1917663 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.85 | 164 | 696094 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.33 | 188 | 1242692 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.96 | 240 | 760361 | 20.00 | ng | 0.01 |
| 87) Perylene-d12 | 15.40 | 264 | 801989 | 20.00 | ng | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 3720740 | 121.40 | ng | 0.01 |
| 7) Phenol-d6 | 6.45 | 99 | 4834896 | 122.46 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 3121059 | 96.36 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 795781 | 143.82 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.17 | 172 | 3451108 | 93.15 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.91 | 244 | 2899103 | 78.09 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.56 | 88 | 566050 | 32.108 | ng | 96 |
| 3) Pyridine | 3.30 | 79 | 1625360 | 41.570 | ng | 90 |
| 4) n-Nitrosodimethylamine | 3.23 | 42 | 828294 | 43.026 | ng | 84 |
| 6) Aniline | 6.47 | 93 | 844691 | 16.014 | ng | 97 |
| 8) 2-Chlorophenol | 6.59 | 128 | 1442002 | 40.819 | ng | 94 |
| 9) Benzaldehyde | 6.35 | 77 | 742691 | 33.432 | ng | 99 |
| 10) Phenol | 6.46 | 94 | 2037666 | 47.334 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 1429852 | 40.639 | ng | 96 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 1480571 | 39.408 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 1490111 | 39.412 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 1397186 | 39.726 | ng | 100 |
| 15) Benzyl Alcohol | 6.95 | 79 | 1303450 | 41.667 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 2704426 | 39.514 | ng | 98 |
| 17) 2-Methylphenol | 7.06 | 107 | 1250321 | 43.116 | ng | 98 |
| 18) Hexachloroethane | 7.32 | 117 | 565604 | 39.878 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 1060703 | 39.978 | ng | 93 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 1449889 | 40.994 | ng | 96 |
| 22) Acetophenone | 7.22 | 105 | 1896975 | 40.934 | ng | 95 |
| 24) Nitrobenzene | 7.39 | 77 | 1554714 | 44.615 | ng | 98 |
| 25) Isophorone | 7.63 | 82 | 2833372 | 47.664 | ng | 100 |
| 26) 2-Nitrophenol | 7.70 | 139 | 778808 | 52.894 | ng | 90 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 1330833 | 47.993 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 1832365 | 45.533 | ng | 98 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 1204746 | 44.131 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 1155897 | 41.949 | ng | 98 |
| 31) Naphthalene | 8.11 | 128 | 3869424 | 46.344 | ng | 99 |
| 32) Benzoic acid | 7.80 | 122 | 159588 | 8.727 | ng | 98 |
| 33) 4-Chloroaniline | 8.15 | 127 | 230162 | 5.703 | ng | 96 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 602295 | 40.222 | ng | 98 |
| 35) Caprolactam | 8.52 | 113 | 440492m | 43.947 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 1061003 | 35.482 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 2061616 | 35.797 | ng | 98 |
| 38) 1-Methylnaphthalene | 8.90 | 142 | 1959239 | 35.384 | ng | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 749627 | 40.406 | ng | 99 |

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QLast Update : Wed Dec 05 17:30:55 2018
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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.96 | 237 | 813975 | 83.208 ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.08 | 196 | 606554 | 44.765 ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.12 | 196 | 641414 | 46.697 ng | | 99 |
| 46) 1,1'-Biphenyl | 9.27 | 154 | 2329893 | 40.887 ng | | 97 |
| 47) 2-Chloronaphthalene | 9.29 | 162 | 1876154 | 42.370 ng | | 96 |
| 48) 2-Nitroaniline | 9.38 | 65 | 660932 | 46.058 ng | | 94 |
| 49) Acenaphthylene | 9.70 | 152 | 2947848 | 47.627 ng | | 99 |
| 50) Dimethylphthalate | 9.57 | 163 | 2638501 | 54.463 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.62 | 165 | 511835 | 49.832 ng | | 90 |
| 52) Acenaphthene | 9.88 | 154 | 1871585 | 45.771 ng | | 99 |
| 53) 3-Nitroaniline | 9.79 | 138 | 228354 | 17.699 ng | | 91 |
| 54) 2,4-Dinitrophenol | 9.89 | 184 | 309380 | 93.821 ng | # | 74 |
| 55) Dibenzofuran | 10.05 | 168 | 2591662 | 46.016 ng | | 95 |
| 56) 4-Nitrophenol | 9.95 | 139 | 857024 | 88.151 ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.03 | 165 | 680152 | 51.273 ng | | 97 |
| 58) Fluorene | 10.39 | 166 | 1929853 | 48.591 ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 514465m | 50.184 ng | | |
| 60) Diethylphthalate | 10.27 | 149 | 2160152 | 44.618 ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204 | 870564 | 44.479 ng | | 92 |
| 62) 4-Nitroaniline | 10.40 | 138 | 497427 | 42.718 ng | | 95 |
| 63) Azobenzene | 10.55 | 77 | 2195156 | 42.588 ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 263866 | 51.396 ng | | 91 |
| 66) n-Nitrosodiphenylamine | 10.50 | 169 | 1794848 | 41.248 ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.87 | 248 | 549470 | 41.770 ng | | 90 |
| 68) Hexachlorobenzene | 10.94 | 284 | 576932 | 42.892 ng | | 95 |
| 69) Atrazine | 11.03 | 200 | 579730 | Below Cal | | 96 |
| 70) Pentachlorophenol | 11.13 | 266 | 669500 | 75.688 ng | | 99 |
| 71) Phenanthrene | 11.35 | 178 | 2816031 | 47.110 ng | | 100 |
| 72) Anthracene | 11.40 | 178 | 2827816 | 46.932 ng | | 98 |
| 73) Carbazole | 11.55 | 167 | 2619457 | 41.780 ng | | 98 |
| 74) Di-n-butylphthalate | 11.89 | 149 | 3242691 | 44.184 ng | | 99 |
| 75) Fluoranthene | 12.53 | 202 | 2687368 | 45.944 ng | | 98 |
| 77) Benzidine | 12.65 | 184 | 559353 | 19.338 ng | | 95 |
| 78) Pyrene | 12.76 | 202 | 2619078 | 44.213 ng | | 99 |
| 80) Butylbenzylphthalate | 13.39 | 149 | 1501872 | 52.482 ng | | 99 |
| 81) Benzo(a)anthracene | 13.95 | 228 | 1964921 | 44.106 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.91 | 252 | 229237 | 13.635 ng | | 97 |
| 83) Chrysene | 13.99 | 228 | 2039315 | 46.111 ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 1673546 | 48.416 ng | | 99 |
| 85) Di-n-octyl phthalate | 14.56 | 149 | 2484894 | 45.729 ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.82 | 276 | 2189364 | 61.656 ng | # | 88 |
| 88) Benzo(b)fluoranthene | 14.99 | 252 | 1991050 | 43.813 ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.02 | 252 | 1818770 | 41.399 ng | | 99 |
| 90) Benzo(a)pyrene | 15.34 | 252 | 1918673 | 46.030 ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 16.83 | 278 | 1807340 | 51.668 ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.24 | 276 | 2240296 | 63.733 ng | | 98 |

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

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