Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081616\
Data File : BF089741.D
Acq On : 17 Aug 2016 4:03
Operator : UM/SJ
Sample : PB92811BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB92811BS

**Manual Integrations APPROVED**
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8/17/2016 6:43:08 PM

Quant Time: Aug 17 13:11:17 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 19:45:04 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 737013 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.99 | 136 | 3081241 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.74 | 164 | 1438976 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 2766115 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 13.87 | 240 | 2073956 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.35 | 264 | 2039921 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 4029599 | 91.22 | ng | | 0.01 |
| 7) Phenol-d6 | 6.34 | 99 | 5343170 | 95.10 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 3337701 | 66.14 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 1402060 | 100.72 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 5743739 | 64.05 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.81 | 244 | 5240760 | 75.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 589624 | 25.86 | ng | | 100 |
| 3) Pyridine | 2.94 | 79 | 1747027 | 29.73 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 2.89 | 42 | 743655 | 31.53 | ng | | 90 |
| 6) Aniline | 6.36 | 93 | 1903183 | 25.20 | ng | | 98 |
| 8) 2-Chlorophenol | 6.48 | 128 | 1622802 | 30.89 | ng | | 99 |
| 9) Benzaldehyde | 6.24 | 77 | 330031 | 8.86 | ng | | 85 |
| 10) Phenol | 6.35 | 94 | 2407352 | 34.42 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 1771938 | 34.20 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 1719785 | 30.62 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 1814874 | 31.90 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 1562185m | 28.80 | ng | | |
| 15) Benzyl Alcohol | 6.84 | 79 | 1247854 | 33.24 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45 | 2002167 | 29.45 | ng | | 93 |
| 17) 2-Methylphenol | 6.96 | 107 | 1422594 | 34.08 | ng | | 99 |
| 18) Hexachloroethane | 7.21 | 117 | 651576 | 31.25 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 1266388 | 34.42 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 1643265 | 30.74 | ng | # | 77 |
| 22) Acetophenone | 7.12 | 105 | 2097404 | 29.28 | ng | # | 94 |
| 24) Nitrobenzene | 7.29 | 77 | 1862024 | 32.80 | ng | # | 86 |
| 25) Isophorone | 7.53 | 82 | 3135307 | 31.05 | ng | | 97 |
| 26) 2-Nitrophenol | 7.60 | 139 | 806693 | 30.20 | ng | # | 74 |
| 27) 2,4-Dimethylphenol | 7.66 | 122 | 1714329 | 33.86 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.75 | 93 | 1934434 | 31.53 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 1410365 | 33.46 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 1427449 | 31.55 | ng | | 99 |
| 31) Naphthalene | 8.01 | 128 | 4624993 | 33.44 | ng | | 96 |
| 32) Benzoic acid | 7.78 | 122 | 1045756 | 26.57 | ng | # | 85 |
| 33) 4-Chloroaniline | 8.06 | 127 | 1231871 | 19.25 | ng | # | 87 |
| 34) Hexachlorobutadiene | 8.14 | 225 | 757736 | 31.88 | ng | | 99 |
| 35) Caprolactam | 8.43 | 113 | 502865m | 38.71 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.55 | 107 | 1437838 | 31.34 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 3117662 | 33.12 | ng | # | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.87 | 216 | 1048315 | 22.66 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.87 | 237 | 1516937 | 73.58 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 1072616 | 35.89 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.02 | 196 | 916249 | 32.16 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 9.16 | 154 | 3116085 | 26.15 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.19 | 162 | 2842904 | 31.83 | ng | | 98 |
| 47) 2-Nitroaniline | 9.28 | 65 | 879362 | 32.32 | ng | | 94 |
| 48) Acenaphthylene | 9.60 | 152 | 4261327 | 31.00 | ng | | 97 |
| 49) Dimethylphthalate | 9.47 | 163 | 3274867 | 31.45 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 767201 | 32.56 | ng | | 92 |
| 51) Acenaphthene | 9.77 | 154 | 3142758 | 33.88 | ng | | 99 |
| 52) 3-Nitroaniline | 9.69 | 138 | 586070 | 21.39 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.80 | 184 | 865204 | 82.15 | ng | # | 67 |
| 54) Dibenzofuran | 9.94 | 168 | 3929344 | 34.42 | ng | | 99 |
| 55) 4-Nitrophenol | 9.86 | 139 | 1602290 | 76.01 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 1026129 | 33.87 | ng | # | 66 |
| 57) Fluorene | 10.28 | 166 | 2763052 | 29.96 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.07 | 232 | 860001 | 38.65 | ng | # | 97 |
| 59) Diethylphthalate | 10.18 | 149 | 3622516 | 34.31 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.28 | 204 | 1317210 | 29.09 | ng | | 96 |
| 61) 4-Nitroaniline | 10.31 | 138 | 829048 | 31.16 | ng | | 95 |
| 62) Azobenzene | 10.44 | 77 | 3829015 | 38.38 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.33 | 198 | 484475 | 30.16 | ng | | 75 |
| 65) n-Nitrosodiphenylamine | 10.41 | 169 | 2926425 | 33.71 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.78 | 248 | 971438 | 33.91 | ng | # | 92 |
| 67) Hexachlorobenzene | 10.83 | 284 | 1060447 | 33.30 | ng | # | 90 |
| 68) Atrazine | 10.94 | 200 | 827486 | 31.47 | ng | | 97 |
| 69) Pentachlorophenol | 11.03 | 266 | 1290512 | 65.05 | ng | | 99 |
| 70) Phenanthrene | 11.25 | 178 | 4803017 | 35.33 | ng | | 94 |
| 71) Anthracene | 11.29 | 178 | 4177327 | 29.41 | ng | | 96 |
| 72) Carbazole | 11.45 | 167 | 4722445 | 35.09 | ng | | 96 |
| 73) Di-n-butylphthalate | 11.79 | 149 | 4904529 | 29.96 | ng | | 97 |
| 74) Fluoranthene | 12.42 | 202 | 4346849 | 31.82 | ng | | 92 |
| 76) Benzidine | 12.55 | 184 | 1438958 | 19.33 | ng | | 99 |
| 77) Pyrene | 12.65 | 202 | 4723962 | 34.81 | ng | | 93 |
| 79) Butylbenzylphthalate | 13.30 | 149 | 2443406 | 35.89 | ng | | 88 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 4235608 | 35.15 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.84 | 252 | 1352531 | 30.81 | ng | # | 93 |
| 82) Chrysene | 13.91 | 228 | 3795861 | 35.00 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 3264481 | 36.23 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 5076823 | 36.25 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.65 | 276 | 3410776 | 36.92 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.96 | 252 | 3670211m | 28.39 | ng | | |
| 88) Benzo(k)fluoranthene | 14.99 | 252 | 3831137m | 36.01 | ng | | |
| 89) Benzo(a)pyrene | 15.29 | 252 | 3498266 | 32.78 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.67 | 278 | 2840739 | 33.81 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.04 | 276 | 2815351 | 32.92 | ng | | 96 |

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

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