Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080451.D
Acq On : 14 Jul 2015 6:38
Operator : TP/UM
Sample : G2945-22MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TE-PMW-11SMS

**Manual Integrations APPROVED**
apatel
7/15/2015 8:28:04 AM

Quant Time: Jul 14 07:36:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 14 00:52:37 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.14 | 152 | 14253 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.42 | 136 | 61093 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.18 | 164 | 32919 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.68 | 188 | 60992 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.51 | 240 | 80844 | 20.00 | ng | | -0.21 |
| 86) Perylene-d12 | 16.25 | 264 | 99936 | 20.00 | ng | | -0.34 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.77 | 112 | 59598 | 71.65 | ng | | 0.00 |
| 7) Phenol-d6 | 6.78 | 99 | 45839 | 41.37 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.70 | 82 | 98866 | 92.30 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.97 | 330 | 35437 | 110.30 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.49 | 172 | 213236 | 87.24 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.30 | 244 | 250726 | 67.35 | ng | | -0.10 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.90 | 88 | 6828 | 17.05 | ng | # | 79 |
| 3) Pyridine | 4.00 | 79 | 10721m | 12.06 | ng | | |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 9093 | 18.65 | ng | # | 82 |
| 6) Aniline | 6.81 | 93 | 31288 | 22.64 | ng | # | 75 |
| 8) 2-Chlorophenol | 6.93 | 128 | 33350 | 33.28 | ng | | 92 |
| 9) Benzaldehyde | 6.69 | 77 | 15408 | 25.13 | ng | | 86 |
| 10) Phenol | 6.80 | 94 | 19962 | 16.30 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.86 | 93 | 37026 | 36.73 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.07 | 146 | 41068 | 36.24 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.15 | 146 | 45410 | 35.54 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.31 | 146 | 39800 | 32.88 | ng | | 98 |
| 15) Benzyl Alcohol | 7.29 | 79 | 23411 | 25.67 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.40 | 45 | 68394 | 47.04 | ng | # | 53 |
| 17) 2-Methylphenol | 7.40 | 107 | 22479 | 25.81 | ng | # | 87 |
| 18) Hexachloroethane | 7.65 | 117 | 12742 | 32.32 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.54 | 70 | 28966 | 38.20 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.55 | 107 | 30694 | 28.05 | ng | # | 44 |
| 22) Acetophenone | 7.54 | 105 | 60400 | 41.25 | ng | | 97 |
| 24) Nitrobenzene | 7.72 | 77 | 44287 | 37.37 | ng | | 93 |
| 25) Isophorone | 7.95 | 82 | 87645 | 45.65 | ng | # | 95 |
| 26) 2-Nitrophenol | 8.04 | 139 | 19742 | 34.70 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 8.08 | 122 | 37371 | 41.73 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 8.16 | 93 | 52168 | 44.91 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.28 | 162 | 33172 | 40.13 | ng | | 86 |
| 30) 1,2,4-Trichlorobenzene | 8.36 | 180 | 36712 | 33.57 | ng | | 95 |
| 31) Naphthalene | 8.44 | 128 | 125909 | 37.69 | ng | | 99 |
| 32) Benzoic acid | 8.16 | 122 | 6306 | 10.02 | ng | | 92 |
| 33) 4-Chloroaniline | 8.50 | 127 | 33990 | 30.01 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.56 | 225 | 19950 | 31.43 | ng | | 96 |
| 35) Caprolactam | 8.85 | 113 | 1095 | 4.63 | ng | # | 93 |
| 36) 4-Chloro-3-methylphenol | 8.98 | 107 | 36101 | 41.24 | ng | | 90 |
| 37) 2-Methylnaphthalene | 9.14 | 142 | 79892 | 36.23 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.30 | 216 | 41129 | 37.34 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.29 | 237 | 43587 | 75.85 | ng | | 99 |

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Quant Time: Jul 14 07:36:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 14 00:52:37 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.41 | 196 | 24827 | 39.14 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.46 | 196 | 28127 | 41.32 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.60 | 154 | 113274 | 39.48 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.62 | 162 | 77881 | 36.77 | ng | # | 88 |
| 47) 2-Nitroaniline | 9.73 | 65 | 22456 | 34.82 | ng | # | 80 |
| 48) Acenaphthylene | 10.04 | 152 | 140583 | 38.81 | ng | | 99 |
| 49) Dimethylphthalate | 9.89 | 163 | 120519 | 48.43 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.96 | 165 | 20139 | 36.06 | ng | # | 75 |
| 51) Acenaphthene | 10.21 | 154 | 95889 | 41.64 | ng | | 99 |
| 52) 3-Nitroaniline | 10.14 | 138 | 15630 | 28.67 | ng | # | 78 |
| 53) 2,4-Dinitrophenol | 10.24 | 184 | 22001 | 84.00 | ng | # | 72 |
| 54) Dibenzofuran | 10.38 | 168 | 126946 | 41.63 | ng | | 96 |
| 55) 4-Nitrophenol | 10.32 | 139 | 13481 | 33.60 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 10.36 | 165 | 30111 | 46.11 | ng | # | 72 |
| 57) Fluorene | 10.73 | 166 | 106487 | 41.45 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.51 | 232 | 23311 | 39.03 | ng | # | 91 |
| 59) Diethylphthalate | 10.59 | 149 | 98006 | 40.23 | ng | | 94 |
| 60) 4-Chlorophenyl-phenylether | 10.72 | 204 | 48117 | 38.88 | ng | # | 88 |
| 61) 4-Nitroaniline | 10.75 | 138 | 19678 | 36.23 | ng | | 94 |
| 62) Azobenzene | 10.88 | 77 | 100238 | 38.12 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.77 | 198 | 14235 | 42.12 | ng | # | 66 |
| 65) n-Nitrosodiphenylamine | 10.83 | 169 | 86093 | 45.28 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.21 | 248 | 27465 | 42.25 | ng | # | 83 |
| 67) Hexachlorobenzene | 11.28 | 284 | 27173 | 41.64 | ng | # | 58 |
| 68) Atrazine | 11.36 | 200 | 27482 | 46.48 | ng | | 98 |
| 69) Pentachlorophenol | 11.48 | 266 | 31734 | 85.14 | ng | | 97 |
| 70) Phenanthrene | 11.70 | 178 | 153047 | 41.77 | ng | | 98 |
| 71) Anthracene | 11.74 | 178 | 160135 | 47.19 | ng | | 98 |
| 72) Carbazole | 11.90 | 167 | 149677 | 47.80 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.21 | 149 | 177935 | 53.74 | ng | | 99 |
| 74) Fluoranthene | 12.91 | 202 | 179841 | 47.32 | ng | | 97 |
| 76) Benzidine | 13.05 | 184 | 10871 | 6.88 | ng | | 100 |
| 77) Pyrene | 13.16 | 202 | 181964 | 35.13 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.81 | 149 | 79158 | 40.32 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.49 | 228 | 197119 | 38.69 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.45 | 252 | 40198 | 26.39 | ng | # | 96 |
| 82) Chrysene | 14.53 | 228 | 187798 | 40.03 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.45 | 149 | 119685 | 38.84 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 15.22 | 149 | 219343 | 40.41 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 17.89 | 276 | 313395 | 53.78 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.76 | 252 | 245703 | 35.39 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.79 | 252 | 211974m | 37.34 | ng | | |
| 89) Benzo(a)pyrene | 16.18 | 252 | 237700 | 39.08 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.91 | 278 | 259465 | 43.06 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 18.40 | 276 | 263630 | 44.04 | ng | | 97 |

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

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