Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077549.D
Acq On : 3 Mar 2015 16:54
Operator : TP/IZ
Sample : G1401-03MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-01-2-27-15MSD

**Manual Integrations APPROVED**
mohammad
3/4/2015 4:41:50 PM

Quant Time: Mar 04 01:53:21 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 03 23:57:38 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.24 | 152 | 49949 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.82 | 136 | 194534 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.99 | 164 | 103076 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.83 | 188 | 197361 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.15 | 240 | 231988 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.99 | 264 | 210731 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 217550 | 72.71 | ng | | 0.00 |
| 7) Phenol-d6 | 6.80 | 99 | 169380 | 44.03 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.93 | 82 | 354663 | 113.37 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.97 | 330 | 167850 | 169.12 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.16 | 172 | 781280 | 118.19 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.83 | 244 | 834014 | 84.05 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.18 | 88 | 29420 | 23.17 | ng | | 97 |
| 3) Pyridine | 2.94 | 79 | 80781 | 22.24 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 2.83 | 42 | 39053 | 24.73 | ng | # | 88 |
| 6) Aniline | 6.83 | 93 | 113246 | 21.30 | ng | | 97 |
| 8) 2-Chlorophenol | 6.97 | 128 | 142793 | 40.46 | ng | | 94 |
| 9) Benzaldehyde | 6.68 | 77 | 34646 | 14.83 | ng | | 92 |
| 10) Phenol | 6.81 | 94 | 70710 | 15.49 | ng | # | 29 |
| 11) bis(2-Chloroethyl)ether | 6.93 | 93 | 171669 | 52.34 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 7.16 | 146 | 180171 | 46.88 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 7.26 | 146 | 177061 | 45.29 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.44 | 146 | 172122 | 46.28 | ng | | 96 |
| 15) Benzyl Alcohol | 7.42 | 79 | 85355 | 29.19 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.60 | 45 | 205662 | 43.86 | ng | | 96 |
| 17) 2-Methylphenol | 7.57 | 107 | 83610 | 30.31 | ng | | 95 |
| 18) Hexachloroethane | 7.86 | 117 | 61964 | 47.45 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.75 | 70 | 120331 | 49.26 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.76 | 107 | 95471 | 26.28 | ng | # | 81 |
| 22) Acetophenone | 7.74 | 105 | 249557 | 54.54 | ng | # | 88 |
| 24) Nitrobenzene | 7.95 | 77 | 171077 | 51.98 | ng | # | 83 |
| 25) Isophorone | 8.25 | 82 | 312850 | 50.41 | ng | # | 91 |
| 26) 2-Nitrophenol | 8.35 | 139 | 85018 | 63.02 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 8.41 | 122 | 127800 | 42.34 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.53 | 93 | 199022 | 50.76 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.64 | 162 | 135763 | 47.92 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.75 | 180 | 154068 | 49.46 | ng | | 98 |
| 31) Naphthalene | 8.84 | 128 | 514459 | 52.88 | ng | | 100 |
| 32) Benzoic acid | 8.48 | 122 | 23650 | 16.13 | ng | | 89 |
| 33) 4-Chloroaniline | 8.92 | 127 | 78112 | 18.06 | ng | # | 89 |
| 34) Hexachlorobutadiene | 9.00 | 225 | 82463 | 46.37 | ng | | 99 |
| 35) Caprolactam | 9.35 | 113 | 6472 | 7.48 | ng | | 90 |
| 36) 4-Chloro-3-methylphenol | 9.52 | 107 | 125836 | 44.18 | ng | | 89 |
| 37) 2-Methylnaphthalene | 9.70 | 142 | 340293 | 49.26 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.91 | 216 | 147904 | 50.01 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.89 | 237 | 152896 | 96.41 | ng | | 96 |

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Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 10.05 | 196 | 106261 | 54.25 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 10.10 | 196 | 110625 | 52.82 | ng | | 95 |
| 45) 1,1'-Biphenyl | 10.28 | 154 | 389670 | 49.90 | ng | | 97 |
| 46) 2-Chloronaphthalene | 10.30 | 162 | 329874 | 53.86 | ng | | 98 |
| 47) 2-Nitroaniline | 10.43 | 65 | 90478 | 60.02 | ng | | 99 |
| 48) Acenaphthylene | 10.82 | 152 | 534832 | 55.16 | ng | | 100 |
| 49) Dimethylphthalate | 10.67 | 163 | 402760 | 55.59 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.75 | 165 | 86441 | 59.49 | ng | | 95 |
| 51) Acenaphthene | 11.03 | 154 | 314826 | 54.41 | ng | | 98 |
| 52) 3-Nitroaniline | 10.94 | 138 | 44323 | 26.46 | ng | | 90 |
| 53) 2,4-Dinitrophenol | 11.08 | 184 | 71908 | 162.64 | ng | # | 78 |
| 54) Dibenzofuran | 11.25 | 168 | 474312 | 53.10 | ng | | 96 |
| 55) 4-Nitrophenol | 11.16 | 139 | 51974 | 38.57 | ng | | 81 |
| 56) 2,4-Dinitrotoluene | 11.24 | 165 | 116390 | 59.28 | ng | # | 84 |
| 57) Fluorene | 11.67 | 166 | 402456 | 56.35 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.40 | 232 | 97127m | 57.68 | ng | | |
| 59) Diethylphthalate | 11.55 | 149 | 359340 | 50.31 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 11.68 | 204 | 164867 | 47.91 | ng | # | 84 |
| 61) 4-Nitroaniline | 11.70 | 138 | 82518 | 51.39 | ng | | 98 |
| 62) Azobenzene | 11.88 | 77 | 357983 | 52.82 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 11.74 | 198 | 49930 | 62.21 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 11.83 | 169 | 330649 | 50.49 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 12.29 | 248 | 105082 | 45.47 | ng | # | 84 |
| 67) Hexachlorobenzene | 12.35 | 284 | 117623 | 47.42 | ng | # | 80 |
| 68) Atrazine | 12.51 | 200 | 97651 | 45.87 | ng | | 98 |
| 69) Pentachlorophenol | 12.60 | 266 | 143347 | 109.95 | ng | | 98 |
| 70) Phenanthrene | 12.86 | 178 | 583250 | 50.99 | ng | | 99 |
| 71) Anthracene | 12.93 | 178 | 573723 | 50.54 | ng | | 99 |
| 72) Carbazole | 13.13 | 167 | 549392 | 50.90 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.59 | 149 | 610932 | 48.20 | ng | | 99 |
| 74) Fluoranthene | 14.34 | 202 | 722570 | 57.83 | ng | | 98 |
| 77) Pyrene | 14.62 | 202 | 753328 | 53.09 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.46 | 149 | 303340 | 51.96 | ng | | 97 |
| 80) Benzo(a)anthracene | 16.14 | 228 | 692305 | 50.92 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 16.12 | 252 | 23572 | 4.73 | ng | # | 98 |
| 82) Chrysene | 16.18 | 228 | 656092 | 51.39 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 16.20 | 149 | 380416 | 40.63 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 17.05 | 149 | 609420 | 38.99 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 19.46 | 276 | 694784m | 47.73 | ng | | |
| 87) Benzo(b)fluoranthene | 17.52 | 252 | 599280 | 48.90 | ng | # | 98 |
| 88) Benzo(k)fluoranthene | 17.55 | 252 | 606313m | 50.49 | ng | | |
| 89) Benzo(a)pyrene | 17.92 | 252 | 589671 | 50.52 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 19.49 | 278 | 568507 | 51.08 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 19.89 | 276 | 584424 | 52.02 | ng | | 99 |

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

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