Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
Data File : BF124131.D
Acq On : 4 Jun 2021 10:22
Operator : JU/CG
Sample : PB136792BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB136792BS

**Manual Integrations APPROVED**
mohammad
6/7/2021 12:24:08 PM

Quant Time: Jun 04 10:55:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 04 09:56:24 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.869 | 152 | 52018 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.151 | 136 | 198073 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 116428 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 205942 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 133114 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.510 | 264 | 98810 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 401187 | 116.10 | ng | | 0.02 |
| 7) Phenol-d6 | 6.516 | 99 | 508907 | 109.56 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 382166 | 76.52 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 187709 | 113.80 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 717127 | 77.51 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 779193 | 80.37 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.746 | 88 | 51913 | 34.33 | ng | | 95 |
| 3) Pyridine | 3.493 | 79 | 125814 | 32.48 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 3.457 | 42 | 94911 | 41.24 | ng | | 95 |
| 6) Aniline | 6.528 | 93 | 161985 | 30.53 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.657 | 128 | 159267 | 41.42 | ng | | 94 |
| 9) Benzaldehyde | 6.416 | 77 | 71765 | 34.76 | ng | | 96 |
| 10) Phenol | 6.528 | 94 | 200439 | 39.93 | ng | # | 69 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 153536 | 41.96 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 6.810 | 146 | 177225m | 39.43 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.887 | 146 | 183751 | 40.75 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.040 | 146 | 172684 | 40.04 | ng | | 98 |
| 15) Benzyl Alcohol | 7.016 | 79 | 157515 | 37.62 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45 | 231270 | 40.51 | ng | | 88 |
| 17) 2-Methylphenol | 7.128 | 107 | 128538 | 41.12 | ng | | 88 |
| 18) Hexachloroethane | 7.381 | 117 | 71066 | 40.02 | ng | # | 87 |
| 19) n-Nitroso-di-n-propyla... | 7.287 | 70 | 128086 | 39.06 | ng | | 88 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 166567 | 40.22 | ng | # | 86 |
| 22) Acetophenone | 7.275 | 105 | 236144 | 41.82 | ng | # | 94 |
| 24) Nitrobenzene | 7.451 | 77 | 190037 | 37.93 | ng | | 96 |
| 25) Isophorone | 7.692 | 82 | 327930 | 36.44 | ng | | 99 |
| 26) 2-Nitrophenol | 7.769 | 139 | 87114 | 38.93 | ng | # | 88 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 139102 | 44.08 | ng | | 93 |
| 28) bis(2-Chloroethoxy)met... | 7.898 | 93 | 186143 | 41.72 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 143492 | 39.30 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 8.092 | 180 | 160366 | 39.19 | ng | | 96 |
| 31) Naphthalene | 8.175 | 128 | 446629 | 37.72 | ng | | 99 |
| 32) Benzoic acid | 7.957 | 122 | 74336 | 38.39 | ng | | 85 |
| 33) 4-Chloroaniline | 8.216 | 127 | 45599 | 10.35 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.287 | 225 | 107667 | 37.25 | ng | | 98 |
| 35) Caprolactam | 8.604 | 113 | 41170m | 41.04 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 152965 | 38.29 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 326481 | 39.31 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 299807 | 38.63 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 175106 | 42.45 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 217549 | 95.57 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 108085 | 40.17 | ng | | 97 |

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|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.186 | 196 | 113953 | 39.46 | ng | | 94 |
| 46) | 1,1'-Biphenyl | 9.328 | 154 | 414207 | 42.14 | ng | | 97 |
| 47) | 2-Chloronaphthalene | 9.357 | 162 | 317261 | 39.66 | ng | | 95 |
| 48) | 2-Nitroaniline | 9.451 | 65 | 110412 | 38.24 | ng | | 98 |
| 49) | Acenaphthylene | 9.775 | 152 | 482477 | 41.49 | ng | | 98 |
| 50) | Dimethylphthalate | 9.633 | 163 | 384982 | 39.97 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 9.692 | 165 | 85357 | 38.65 | ng | | 97 |
| 52) | Acenaphthene | 9.945 | 154 | 288493 | 37.98 | ng | | 92 |
| 53) | 3-Nitroaniline | 9.863 | 138 | 43381 | 20.99 | ng | | 99 |
| 54) | 2,4-Dinitrophenol | 9.975 | 184 | 93450 | 82.64 | ng | | 87 |
| 55) | Dibenzofuran | 10.116 | 168 | 459361 | 38.64 | ng | | 99 |
| 56) | 4-Nitrophenol | 10.039 | 139 | 121925 | 82.53 | ng | # | 83 |
| 57) | 2,4-Dinitrotoluene | 10.098 | 165 | 114920 | 39.45 | ng | # | 94 |
| 58) | Fluorene | 10.457 | 166 | 361481 | 39.62 | ng | | 95 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 96186 | 41.10 | ng | # | 90 |
| 60) | Diethylphthalate | 10.333 | 149 | 387789 | 39.89 | ng | | 95 |
| 61) | 4-Chlorophenyl-phenyle... | 10.445 | 204 | 183458 | 39.32 | ng | | 95 |
| 62) | 4-Nitroaniline | 10.486 | 138 | 77198 | 37.14 | ng | # | 79 |
| 63) | Azobenzene | 10.610 | 77 | 374032 | 36.91 | ng | | 95 |
| 65) | 4,6-Dinitro-2-methylph... | 10.510 | 198 | 61754 | 37.31 | ng | # | 78 |
| 66) | n-Nitrosodiphenylamine | 10.569 | 169 | 316686 | 40.47 | ng | | 98 |
| 67) | 4-Bromophenyl-phenylether | 10.939 | 248 | 115109 | 40.72 | ng | | 96 |
| 68) | Hexachlorobenzene | 11.004 | 284 | 131780 | 41.16 | ng | | 97 |
| 69) | Atrazine | 11.098 | 200 | 114097 | 51.51 | ng | | 98 |
| 70) | Pentachlorophenol | 11.204 | 266 | 129392 | 76.89 | ng | | 97 |
| 71) | Phenanthrene | 11.422 | 178 | 528283 | 41.06 | ng | | 97 |
| 72) | Anthracene | 11.475 | 178 | 540431 | 41.71 | ng | | 98 |
| 73) | Carbazole | 11.627 | 167 | 434801 | 38.51 | ng | | 95 |
| 74) | Di-n-butylphthalate | 11.951 | 149 | 604172 | 41.64 | ng | | 99 |
| 75) | Fluoranthene | 12.610 | 202 | 534091 | 39.55 | ng | | 98 |
| 77) | Benzidine | 12.727 | 184 | 173207m | 55.17 | ng | | |
| 78) | Pyrene | 12.839 | 202 | 527234 | 41.25 | ng | | 98 |
| 80) | Butylbenzylphthalate | 13.451 | 149 | 219995 | 42.43 | ng | | 96 |
| 81) | Benzo(a)anthracene | 14.027 | 228 | 390146 | 40.23 | ng | | 98 |
| 82) | 3,3'-Dichlorobenzidine | 13.986 | 252 | 70149 | 24.66 | ng | | 98 |
| 83) | Chrysene | 14.063 | 228 | 370479 | 39.60 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 276735 | 44.87 | ng | | 94 |
| 85) | Di-n-octyl phthalate | 14.621 | 149 | 369083 | 44.84 | ng | # | 92 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.009 | 276 | 325287 | 40.32 | ng | | 99 |
| 88) | Benzo(b)fluoranthene | 15.080 | 252 | 318393 | 41.48 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.115 | 252 | 280597 | 38.62 | ng | | 98 |
| 90) | Benzo(a)pyrene | 15.451 | 252 | 277806 | 41.67 | ng | | 97 |
| 91) | Dibenzo(a,h)anthracene | 17.021 | 278 | 274804 | 39.93 | ng | | 96 |
| 92) | Benzo(g,h,i)perylene | 17.457 | 276 | 272382 | 40.01 | ng | | 96 |

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

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