

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083122\
 Data File : BF130061.D
 Acq On : 31 Aug 2022 20:35
 Operator : CG\JU
 Sample : PB147199BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB147199BS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/01/2022
 Supervised By : Jagrut Upadhyay 09/01/2022

Quant Time: Sep 01 03:30:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 18:15:32 2022
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|-------------------------------|--------|------|----------|------------|-----------|
| Internal Standards | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.704 | 152 | 321102 | 20.000 ng | 0.00 |
| 21) Naphthalene-d8 | 7.992 | 136 | 1314516 | 20.000 ng | 0.00 |
| 39) Acenaphthene-d10 | 9.745 | 164 | 673844 | 20.000 ng | 0.00 |
| 64) Phenanthrene-d10 | 11.222 | 188 | 1097522 | 20.000 ng | # 0.00 |
| 76) Chrysene-d12 | 13.851 | 240 | 607758 | 20.000 ng | # 0.00 |
| 86) Perylene-d12 | 15.251 | 264 | 532019 | 20.000 ng | 0.00 |
| System Monitoring Compounds | | | | | |
| 5) 2-Fluorophenol | 5.328 | 112 | 2155774 | 113.975 ng | 0.02 |
| 7) Phenol-d6 | 6.351 | 99 | 2696161 | 114.337 ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.281 | 82 | 1680384 | 82.153 ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.533 | 330 | 760482 | 123.981 ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.069 | 172 | 2909600 | 71.589 ng | 0.00 |
| 79) Terphenyl-d14 | 12.810 | 244 | 2909146 | 83.007 ng | 0.00 |
| Target Compounds | | | | | |
| 2) 1,4-Dioxane | 2.481 | 88 | 277198 | 31.359 ng | Qvalue 96 |
| 3) Pyridine | 3.193 | 79 | 774927 | 32.693 ng | 94 |
| 4) n-Nitrosodimethylamine | 3.146 | 42 | 388979 | 41.729 ng | 81 |
| 6) Aniline | 6.375 | 93 | 1163203 | 39.345 ng | # 50 |
| 8) 2-Chlorophenol | 6.493 | 128 | 942388 | 45.394 ng | 98 |
| 9) Benzaldehyde | 6.257 | 77 | 581138 | 40.264 ng | 98 |
| 10) Phenol | 6.363 | 94 | 1063079 | 39.884 ng | # 74 |
| 11) bis(2-Chloroethyl)ether | 6.451 | 93 | 866481 | 42.785 ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.646 | 146 | 922100 | 40.067 ng | 97 |
| 13) 1,4-Dichlorobenzene | 6.722 | 146 | 917668 | 39.586 ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.875 | 146 | 883020 | 41.903 ng | 98 |
| 15) Benzyl Alcohol | 6.857 | 79 | 738255 | 46.448 ng | 93 |
| 16) 2,2'-oxybis(1-Chloropr... | 6.987 | 45 | 1154393 | 41.942 ng | # 51 |
| 17) 2-Methylphenol | 6.969 | 107 | 742049 | 42.485 ng | # 87 |
| 18) Hexachloroethane | 7.216 | 117 | 351326 | 41.969 ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.140 | 70 | 590116 | 41.539 ng | 91 |
| 20) 3+4-Methylphenols | 7.122 | 107 | 799555 | 39.036 ng | # 77 |
| 22) Acetophenone | 7.128 | 105 | 1147204 | 39.063 ng | # 97 |
| 24) Nitrobenzene | 7.298 | 77 | 889038 | 40.869 ng | 97 |
| 25) Isophorone | 7.540 | 82 | 1763224 | 42.590 ng | 98 |
| 26) 2-Nitrophenol | 7.610 | 139 | 467222 | 45.888 ng | 91 |
| 27) 2,4-Dimethylphenol | 7.651 | 122 | 789680m | 45.459 ng | |
| 28) bis(2-Chloroethoxy)met... | 7.751 | 93 | 1083305 | 43.561 ng | 97 |
| 29) 2,4-Dichlorophenol | 7.845 | 162 | 756335 | 40.704 ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.934 | 180 | 748232 | 38.190 ng | 99 |
| 31) Naphthalene | 8.010 | 128 | 2470691 | 37.266 ng | 99 |
| 32) Benzoic acid | 7.798 | 122 | 640397 | 45.541 ng | 99 |
| 33) 4-Chloroaniline | 8.063 | 127 | 886107 | 33.082 ng | 99 |
| 34) Hexachlorobutadiene | 8.128 | 225 | 429908 | 38.314 ng | 99 |
| 35) Caprolactam | 8.457 | 113 | 272898m | 47.394 ng | |
| 36) 4-Chloro-3-methylphenol | 8.551 | 107 | 767457 | 40.817 ng | 93 |
| 37) 2-Methylnaphthalene | 8.704 | 142 | 1618232 | 37.892 ng | 99 |
| 38) 1-Methylnaphthalene | 8.798 | 142 | 1539158 | 37.078 ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 8.869 | 216 | 664944 | 37.843 ng | 98 |
| 41) Hexachlorocyclopentadiene | 8.857 | 237 | 846253 | 92.155 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 8.981 | 196 | 516066 | 41.146 ng | 98 |

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| 44) 2,4,5-Trichlorophenol | 9.016 | 196 | 544364 | 40.043 | ng | 97 |
| 46) 1,1'-Biphenyl | 9.169 | 154 | 1875660 | 38.314 | ng | 98 |
| 47) 2-Chloronaphthalene | 9.192 | 162 | 1486671 | 37.901 | ng | 100 |
| 48) 2-Nitroaniline | 9.292 | 65 | 454484 | 47.019 | ng # | 85 |
| 49) Acenaphthylene | 9.604 | 152 | 2239592 | 37.600 | ng | 99 |
| 50) Dimethylphthalate | 9.481 | 163 | 1783818 | 38.866 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.539 | 165 | 408610 | 45.663 | ng # | 83 |
| 52) Acenaphthene | 9.781 | 154 | 1565493m | 41.704 | ng | |
| 53) 3-Nitroaniline | 9.704 | 138 | 356377 | 34.697 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.810 | 184 | 360165 | 87.779 | ng | 92 |
| 55) Dibenzofuran | 9.951 | 168 | 2017205 | 37.527 | ng | 98 |
| 56) 4-Nitrophenol | 9.869 | 139 | 716598 | 90.496 | ng | 92 |
| 57) 2,4-Dinitrotoluene | 9.939 | 165 | 471940 | 45.808 | ng | 92 |
| 58) Fluorene | 10.292 | 166 | 1471021 | 35.967 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.063 | 232 | 416125 | 39.411 | ng # | 78 |
| 60) Diethylphthalate | 10.175 | 149 | 1717279 | 38.676 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.286 | 204 | 676049 | 37.392 | ng | 97 |
| 62) 4-Nitroaniline | 10.328 | 138 | 437168 | 43.765 | ng | 92 |
| 63) Azobenzene | 10.445 | 77 | 1629849 | 37.281 | ng | 95 |
| 65) 4,6-Dinitro-2-methylph... | 10.345 | 198 | 216184 | 42.620 | ng | 90 |
| 66) n-Nitrosodiphenylamine | 10.410 | 169 | 1418722 | 38.669 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.775 | 248 | 485525 | 39.772 | ng | 95 |
| 68) Hexachlorobenzene | 10.833 | 284 | 527379 | 39.647 | ng | 93 |
| 69) Atrazine | 10.939 | 200 | 466674 | 44.961 | ng | 96 |
| 70) Pentachlorophenol | 11.028 | 266 | 608403 | 81.793 | ng | 98 |
| 71) Phenanthrene | 11.251 | 178 | 2147281 | 36.077 | ng | 98 |
| 72) Anthracene | 11.304 | 178 | 2187369 | 37.384 | ng | 99 |
| 73) Carbazole | 11.457 | 167 | 2071704 | 38.396 | ng | 99 |
| 74) Di-n-butylphthalate | 11.792 | 149 | 2523708 | 38.789 | ng | 99 |
| 75) Fluoranthene | 12.433 | 202 | 2218282 | 37.584 | ng | 98 |
| 77) Benzidine | 12.557 | 184 | 1148311 | 69.981 | ng | 98 |
| 78) Pyrene | 12.657 | 202 | 2221367 | 40.749 | ng | 99 |
| 80) Butylbenzylphthalate | 13.286 | 149 | 991218 | 45.715 | ng | 98 |
| 81) Benzo(a)anthracene | 13.839 | 228 | 1595221 | 38.300 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.810 | 252 | 522944 | 40.262 | ng | 99 |
| 83) Chrysene | 13.880 | 228 | 1595802 | 38.862 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 13.845 | 149 | 1141189 | 42.342 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.457 | 149 | 1916098 | 45.007 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 16.604 | 276 | 1514674 | 43.160 | ng # | 94 |
| 88) Benzo(b)fluoranthene | 14.857 | 252 | 1485843 | 41.880 | ng | 97 |
| 89) Benzo(k)fluoranthene | 14.886 | 252 | 1408385 | 41.045 | ng | 97 |
| 90) Benzo(a)pyrene | 15.198 | 252 | 1271314 | 45.095 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.627 | 278 | 1321124 | 46.006 | ng # | 96 |
| 92) Benzo(g,h,i)perylene | 17.021 | 276 | 1323967 | 46.081 | ng # | 94 |

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

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