Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032523\
Data File : BP014306.D
Acq On : 25 Mar 2023 01:14
Operator : CG/JU
Sample : 02021-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
JPP-6E-032023MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 03/27/2023
Supervised By :Jagrut Upadhyay 03/27/2023

Quant Time: Mar 25 03:25:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 25 03:19:01 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.028 | 152 | 176837 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.852 | 136 | 681319 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.675 | 164 | 378459 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.434 | 188 | 681809 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.516 | 240 | 493525 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.027 | 264 | 528636 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.581 | 112 | 1552199 | 142.350 | ng | | 0.00 |
| 7) Phenol-d6 | 7.193 | 99 | 1888541 | 131.915 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.210 | 82 | 1465765 | 98.329 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.169 | 330 | 753869 | 122.857 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.298 | 172 | 2757657 | 94.403 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.975 | 244 | 3098433 | 103.524 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.452 | 88 | 188887 | 39.874 | ng | # | 32 |
| 3) Pyridine | 3.870 | 79 | 391983 | 29.797 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.770 | 42 | 261524 | 44.786 | ng | | 98 |
| 6) Aniline | 7.358 | 93 | 394467 | 20.976 | ng | | 97 |
| 8) 2-Chlorophenol | 7.593 | 128 | 555611 | 47.575 | ng | | 94 |
| 9) Benzaldehyde | 7.169 | 77 | 233123m | 32.540 | ng | | |
| 10) Phenol | 7.222 | 94 | 657756 | 44.145 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.452 | 93 | 578763 | 49.058 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.916 | 146 | 566476 | 44.140 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.063 | 146 | 581037 | 44.752 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.387 | 146 | 563637 | 45.325 | ng | | 98 |
| 15) Benzyl Alcohol | 8.281 | 79 | 572034m | 49.008 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.563 | 45 | 743411m | 57.881 | ng | | |
| 17) 2-Methylphenol | 8.481 | 107 | 480643 | 45.231 | ng | | 98 |
| 18) Hexachloroethane | 9.116 | 117 | 223215 | 45.765 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.846 | 70 | 476933 | 50.613 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.810 | 107 | 634950 | 44.367 | ng | | 100 |
| 22) Acetophenone | 8.863 | 105 | 911666 | 47.704 | ng | | 98 |
| 24) Nitrobenzene | 9.252 | 77 | 724294 | 47.487 | ng | | 96 |
| 25) Isophorone | 9.775 | 82 | 1256156 | 45.733 | ng | | 98 |
| 26) 2-Nitrophenol | 9.963 | 139 | 298443 | 44.984 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.022 | 122 | 498909 | 46.250 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.257 | 93 | 749853 | 47.168 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.505 | 162 | 527796 | 44.697 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.710 | 180 | 575979 | 42.964 | ng | | 98 |
| 31) Naphthalene | 10.904 | 128 | 1645746 | 43.960 | ng | | 99 |
| 32) Benzoic acid | 10.187 | 122 | 263893 | 30.560 | ng | | 97 |
| 33) 4-Chloroaniline | 11.034 | 127 | 140727 | 8.769 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.175 | 225 | 388320 | 39.841 | ng | | 99 |
| 35) Caprolactam | 11.828 | 113 | 115000 | 34.023 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 12.140 | 107 | 580493 | 44.078 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.504 | 142 | 1140808 | 41.304 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.722 | 142 | 1061741 | 41.240 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.869 | 216 | 685487 | 47.518 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.846 | 237 | 925548 | 102.234 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.110 | 196 | 421985 | 46.278 | ng | | 99 |

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Sample : O2021-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
JPP-6E-032023MSD

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Reviewed By :Christian Giraldo 03/27/2023
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Quant Time: Mar 25 03:25:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 25 03:19:01 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.187 | 196 | 450426 | 42.629 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.510 | 154 | 1510304 | 49.578 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.551 | 162 | 1152418 | 49.142 | ng | | 99 |
| 48) 2-Nitroaniline | 13.763 | 65 | 358061 | 50.311 | ng | | 93 |
| 49) Acenaphthylene | 14.398 | 152 | 1723618 | 46.218 | ng | | 100 |
| 50) Dimethylphthalate | 14.134 | 163 | 1350838 | 43.265 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.257 | 165 | 293879 | 44.696 | ng | | 97 |
| 52) Acenaphthene | 14.740 | 154 | 1042577 | 46.441 | ng | | 100 |
| 53) 3-Nitroaniline | 14.593 | 138 | 202156 | 31.373 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.798 | 184 | 377658 | 77.564 | ng | | 93 |
| 55) Dibenzofuran | 15.075 | 168 | 1644233 | 44.926 | ng | | 99 |
| 56) 4-Nitrophenol | 14.898 | 139 | 392100 | 74.726 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.045 | 165 | 381152 | 43.367 | ng | | 98 |
| 58) Fluorene | 15.728 | 166 | 1289250 | 44.364 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.304 | 232 | 367498 | 39.868 | ng | | 94 |
| 60) Diethylphthalate | 15.487 | 149 | 1270953 | 41.229 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.716 | 204 | 689096 | 41.829 | ng | | 98 |
| 62) 4-Nitroaniline | 15.757 | 138 | 237607 | 37.033 | ng | | 91 |
| 63) Azobenzene | 16.010 | 77 | 1373669 | 48.156 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.810 | 198 | 223499 | 44.256 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.934 | 169 | 1074135 | 49.856 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.616 | 248 | 412329 | 45.720 | ng | | 97 |
| 68) Hexachlorobenzene | 16.734 | 284 | 467749 | 48.387 | ng | | 99 |
| 69) Atrazine | 16.887 | 200 | 337179 | 44.576 | ng | | 99 |
| 70) Pentachlorophenol | 17.081 | 266 | 550612 | 78.977 | ng | | 98 |
| 71) Phenanthrene | 17.475 | 178 | 1798497 | 47.218 | ng | | 99 |
| 72) Anthracene | 17.569 | 178 | 1796158 | 46.152 | ng | | 99 |
| 73) Carbazole | 17.839 | 167 | 1500574 | 44.698 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.369 | 149 | 1826393 | 43.512 | ng | | 100 |
| 75) Fluoranthene | 19.433 | 202 | 1833443 | 40.272 | ng | | 97 |
| 77) Benzidine | 19.616 | 184 | 331628 | 32.195 | ng | | 98 |
| 78) Pyrene | 19.786 | 202 | 1863445 | 49.194 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.645 | 149 | 710196 | 49.453 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 1675162 | 46.260 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.427 | 252 | 473949 | 40.904 | ng | | 100 |
| 83) Chrysene | 21.551 | 228 | 1579916 | 46.071 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.392 | 149 | 1014089 | 48.134 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.357 | 149 | 1649902 | 48.245 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 26.680 | 276 | 2222346 | 54.408 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.257 | 252 | 1655823 | 47.835 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.310 | 252 | 1672402 | 48.729 | ng | # | 98 |
| 90) Benzo(a)pyrene | 23.921 | 252 | 1468435 | 44.475 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 26.692 | 278 | 1861971 | 54.832 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 27.492 | 276 | 1866031 | 55.450 | ng | | 99 |

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

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