Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042325\
Data File : BP024398.D
Acq On : 23 Apr 2025 16:14
Operator : RC/JU
Sample : Q1842-13MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PL-714-COMP-10MSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 04/24/2025
Supervised By :Jagrut Upadhyay 04/24/2025

Quant Time: Apr 23 16:53:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.716 | 152 | 214024 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.493 | 136 | 846772 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.351 | 164 | 518459 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.145 | 188 | 1055394 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.592 | 240 | 1162202 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.939 | 264 | 1325155 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 1232730 | 95.235 | ng | | 0.00 |
| 7) Phenol-d6 | 6.905 | 99 | 1655489 | 93.404 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.863 | 82 | 940876 | 63.358 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.863 | 330 | 813544 | 113.415 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.957 | 172 | 2218201 | 65.508 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.875 | 244 | 3926986 | 68.107 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.287 | 88 | 216281 | 39.503 | ng | | 96 |
| 3) Pyridine | 3.681 | 79 | 550461 | 38.075 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.587 | 42 | 219785 | 45.807 | ng | | 89 |
| 6) Aniline | 7.058 | 93 | 482013 | 30.434 | ng | | 99 |
| 8) 2-Chlorophenol | 7.293 | 128 | 653285 | 45.204 | ng | | 99 |
| 9) Benzaldehyde | 6.869 | 77 | 324768 | 37.043 | ng | | 98 |
| 10) Phenol | 6.934 | 94 | 804141 | 45.228 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.152 | 93 | 594145 | 41.475 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.611 | 146 | 694483 | 44.637 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.752 | 146 | 700886 | 44.399 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.069 | 146 | 673931 | 44.212 | ng | | 99 |
| 15) Benzyl Alcohol | 7.958 | 79 | 523814 | 45.699 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.234 | 45 | 668127 | 43.149 | ng | | 99 |
| 17) 2-Methylphenol | 8.163 | 107 | 531477 | 46.208 | ng | | 98 |
| 18) Hexachloroethane | 8.787 | 117 | 263113 | 46.120 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.516 | 70 | 436230 | 39.783 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.487 | 107 | 715496 | 44.833 | ng | | 99 |
| 22) Acetophenone | 8.528 | 105 | 917078 | 43.758 | ng | # | 98 |
| 24) Nitrobenzene | 8.905 | 77 | 653483 | 44.483 | ng | | 99 |
| 25) Isophorone | 9.428 | 82 | 1239395 | 46.109 | ng | | 99 |
| 26) 2-Nitrophenol | 9.610 | 139 | 347152 | 48.288 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.675 | 122 | 587891 | 65.126 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.905 | 93 | 779681 | 42.938 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.146 | 162 | 583128 | 47.377 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.358 | 180 | 608250 | 46.124 | ng | | 99 |
| 31) Naphthalene | 10.540 | 128 | 1900028 | 42.597 | ng | | 99 |
| 32) Benzoic acid | 9.834 | 122 | 483966m | 46.012 | ng | | |
| 33) 4-Chloroaniline | 10.657 | 127 | 267115 | 17.005 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.828 | 225 | 370717 | 47.839 | ng | | 99 |
| 35) Caprolactam | 11.446 | 113 | 207720 | 45.738 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.787 | 107 | 648031 | 45.202 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.152 | 142 | 1201035 | 38.825 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.369 | 142 | 1275820 | 42.159 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.522 | 216 | 665359 | 46.667 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.504 | 237 | 847509 | 168.071 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.769 | 196 | 465876 | 49.147 | ng | | 98 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.846 | 196 | 514929 | 49.054 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.169 | 154 | 1700044 | 44.609 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.210 | 162 | 1305833 | 45.847 | ng | 99 |
| 48) 2-Nitroaniline | 13.422 | 65 | 390548 | 48.883 | ng | 98 |
| 49) Acenaphthylene | 14.069 | 152 | 2184189 | 48.707 | ng | 99 |
| 50) Dimethylphthalate | 13.804 | 163 | 1680775 | 44.579 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.922 | 165 | 374599 | 46.788 | ng | 99 |
| 52) Acenaphthene | 14.416 | 154 | 1257370 | 44.228 | ng | 100 |
| 53) 3-Nitroaniline | 14.257 | 138 | 274626 | 32.637 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.469 | 184 | 493019 | 104.541 | ng | 96 |
| 55) Dibenzofuran | 14.751 | 168 | 1992177 | 42.870 | ng | 98 |
| 56) 4-Nitrophenol | 14.587 | 139 | 752762 | 103.581 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.722 | 165 | 545724 | 49.968 | ng | 100 |
| 58) Fluorene | 15.410 | 166 | 1629022 | 45.284 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.987 | 232 | 469918 | 48.538 | ng | 99 |
| 60) Diethylphthalate | 15.187 | 149 | 1753015 | 45.118 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.404 | 204 | 791258 | 45.295 | ng | 97 |
| 62) 4-Nitroaniline | 15.440 | 138 | 429613 | 48.228 | ng | 94 |
| 63) Azobenzene | 15.704 | 77 | 1692947 | 47.406 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 198 | 314732 | 47.301 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.628 | 169 | 1433336 | 45.501 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.322 | 248 | 530233 | 45.937 | ng | 99 |
| 68) Hexachlorobenzene | 16.440 | 284 | 646702 | 47.150 | ng | 96 |
| 69) Atrazine | 16.604 | 200 | 538216 | 67.084 | ng | 98 |
| 70) Pentachlorophenol | 16.792 | 266 | 960391 | 100.370 | ng | 99 |
| 71) Phenanthrene | 17.187 | 178 | 2706879 | 47.015 | ng | 100 |
| 72) Anthracene | 17.287 | 178 | 2647107 | 47.704 | ng | 99 |
| 73) Carbazole | 17.563 | 167 | 2559218 | 47.202 | ng | 99 |
| 74) Di-n-butylphthalate | 18.157 | 149 | 3276323 | 48.503 | ng | 100 |
| 75) Fluoranthene | 19.275 | 202 | 3489227 | 50.956 | ng | 99 |
| 77) Benzidine | 19.486 | 184 | 1481941 | 100.594 | ng | 99 |
| 78) Pyrene | 19.657 | 202 | 3530628 | 47.802 | ng | 99 |
| 80) Butylbenzylphthalate | 20.610 | 149 | 1600609 | 50.595 | ng | 98 |
| 81) Benzo(a)anthracene | 21.575 | 228 | 3438641 | 47.602 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.498 | 252 | 843933 | 33.285 | ng | 99 |
| 83) Chrysene | 21.645 | 228 | 3236607 | 46.767 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.516 | 149 | 2361933 | 50.929 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.780 | 149 | 4003927 | 53.106 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.727 | 276 | 4716640 | 51.269 | ng | 98 |
| 88) Benzo(b)fluoranthene | 23.874 | 252 | 3729574 | 46.954 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.945 | 252 | 3579146 | 46.649 | ng | 99 |
| 90) Benzo(a)pyrene | 24.769 | 252 | 3520519 | 51.382 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.804 | 278 | 3778077 | 49.476 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.892 | 276 | 3856403 | 49.616 | ng | 97 |

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

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