Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112322\
Data File : BP012704.D
Acq On : 23 Nov 2022 09:55
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

Quant Time: Nov 24 02:25:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 00:38:14 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.040 | 152 | 303975 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.857 | 136 | 1338063 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.675 | 164 | 895266 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.428 | 188 | 2035811 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.521 | 240 | 2279727 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 24.045 | 264 | 2139562 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.575 | 112 | 1075600 | 76.658 | ng | 0.00 |
| 7) Phenol-d6 | 7.181 | 99 | 1614955 | 80.257 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.204 | 82 | 1904870 | 79.395 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.163 | 330 | 761242 | 72.131 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.298 | 172 | 4841850 | 77.050 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.980 | 244 | 8435639 | 78.645 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.440 | 88 | 227769 | 38.520 | ng | 97 |
| 3) Pyridine | 3.846 | 79 | 749335m | 39.886 | ng | |
| 4) n-Nitrosodimethylamine | 3.758 | 42 | 334979 | 40.771 | ng | 98 |
| 6) Aniline | 7.358 | 93 | 1013358 | 39.836 | ng | 98 |
| 8) 2-Chlorophenol | 7.593 | 128 | 707341 | 39.084 | ng | 98 |
| 9) Benzaldehyde | 7.169 | 77 | 502500 | 39.881 | ng | 99 |
| 10) Phenol | 7.210 | 94 | 920915 | 40.162 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.452 | 93 | 774662 | 38.692 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.922 | 146 | 848366 | 37.723 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 8.075 | 146 | 874602 | 37.865 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.393 | 146 | 855115 | 38.102 | ng | 98 |
| 15) Benzyl Alcohol | 8.275 | 79 | 578768 | 40.455 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.575 | 45 | 1156459 | 38.980 | ng | 100 |
| 17) 2-Methylphenol | 8.469 | 107 | 626978 | 40.034 | ng | 99 |
| 18) Hexachloroethane | 9.128 | 117 | 317282 | 37.602 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.852 | 70 | 602201 | 42.397 | ng | 98 |
| 20) 3+4-Methylphenols | 8.805 | 107 | 858465 | 40.708 | ng | 99 |
| 22) Acetophenone | 8.863 | 105 | 1259024 | 38.544 | ng | 99 |
| 24) Nitrobenzene | 9.246 | 77 | 968324 | 39.442 | ng | 98 |
| 25) Isophorone | 9.775 | 82 | 1674210 | 38.057 | ng | 99 |
| 26) 2-Nitrophenol | 9.963 | 139 | 278538 | 34.607 | ng | 98 |
| 27) 2,4-Dimethylphenol | 10.016 | 122 | 575226 | 38.133 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.257 | 93 | 1004108 | 38.592 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.493 | 162 | 755128 | 37.041 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.716 | 180 | 892416 | 37.131 | ng | 99 |
| 31) Naphthalene | 10.904 | 128 | 2762438 | 38.039 | ng | 99 |
| 32) Benzoic acid | 10.140 | 122 | 251873m | 36.073 | ng | |
| 33) 4-Chloroaniline | 11.010 | 127 | 1058437 | 39.997 | ng | 99 |
| 34) Hexachlorobutadiene | 11.193 | 225 | 547672 | 36.313 | ng | 99 |
| 35) Caprolactam | 11.787 | 113 | 197225 | 37.172 | ng | 94 |
| 36) 4-Chloro-3-methylphenol | 12.122 | 107 | 798038 | 39.682 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.504 | 142 | 1974928 | 38.174 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.728 | 142 | 1944333 | 38.276 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.869 | 216 | 1072483 | 37.634 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.851 | 237 | 512590 | 37.819 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 13.104 | 196 | 634566 | 34.468 | ng | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.175 | 196 | 767976 | 41.639 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.510 | 154 | 2588094 | 38.214 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.551 | 162 | 2047375 | 38.175 | ng | 99 |
| 48) 2-Nitroaniline | 13.751 | 65 | 505683 | 37.398 | ng | 99 |
| 49) Acenaphthylene | 14.398 | 152 | 3261997 | 38.300 | ng | 100 |
| 50) Dimethylphthalate | 14.128 | 163 | 2524264 | 38.319 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.245 | 165 | 549785 | 39.712 | ng | 99 |
| 52) Acenaphthene | 14.739 | 154 | 2058427 | 38.136 | ng | 99 |
| 53) 3-Nitroaniline | 14.569 | 138 | 586435 | 37.621 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.775 | 184 | 193611 | 37.086 | ng | 97 |
| 55) Dibenzofuran | 15.069 | 168 | 3208510 | 38.218 | ng | 100 |
| 56) 4-Nitrophenol | 14.863 | 139 | 471009 | 37.652 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 15.028 | 165 | 753264 | 37.470 | ng | 96 |
| 58) Fluorene | 15.722 | 166 | 2713465 | 39.312 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.292 | 232 | 708305 | 39.250 | ng | 99 |
| 60) Diethylphthalate | 15.492 | 149 | 2430456 | 39.013 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.716 | 204 | 1324295 | 38.645 | ng | 98 |
| 62) 4-Nitroaniline | 15.739 | 138 | 600700 | 38.662 | ng | 99 |
| 63) Azobenzene | 16.010 | 77 | 2587811 | 39.412 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.792 | 198 | 299450 | 36.972 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.928 | 169 | 2159022 | 37.945 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.616 | 248 | 794405 | 38.151 | ng | 98 |
| 68) Hexachlorobenzene | 16.728 | 284 | 962242 | 37.399 | ng | 98 |
| 69) Atrazine | 16.881 | 200 | 616517 | 35.895 | ng | 99 |
| 70) Pentachlorophenol | 17.069 | 266 | 567248 | 38.127 | ng | 98 |
| 71) Phenanthrene | 17.475 | 178 | 4421263 | 38.393 | ng | 100 |
| 72) Anthracene | 17.563 | 178 | 4240047 | 38.749 | ng | 100 |
| 73) Carbazole | 17.828 | 167 | 3907827 | 39.529 | ng | 99 |
| 74) Di-n-butylphthalate | 18.380 | 149 | 3412593 | 34.168 | ng | 99 |
| 75) Fluoranthene | 19.433 | 202 | 5434158 | 39.999 | ng | 100 |
| 77) Benzidine | 19.604 | 184 | 477973 | 35.581 | ng | 99 |
| 78) Pyrene | 19.786 | 202 | 5658035 | 37.592 | ng | 100 |
| 80) Butylbenzylphthalate | 20.657 | 149 | 556165 | 37.397 | ng | 97 |
| 81) Benzo(a)anthracene | 21.504 | 228 | 5938038 | 38.541 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.427 | 252 | 1239710 | 35.537 | ng | 99 |
| 83) Chrysene | 21.557 | 228 | 5672677 | 38.465 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.421 | 149 | 1075469 | 36.962 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.398 | 149 | 2131478 | 36.850 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 26.715 | 276 | 6028510 | 40.230 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.274 | 252 | 5505383 | 38.455 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.327 | 252 | 5786180 | 39.431 | ng | 100 |
| 90) Benzo(a)pyrene | 23.933 | 252 | 4490697 | 39.346 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 26.733 | 278 | 5174049 | 40.506 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 27.527 | 276 | 4597869 | 39.885 | ng | 99 |

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

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