Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
Data File : BM042447.D
Acq On : 25 Oct 2023 20:54
Operator : MA/JU
Sample : 04905-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
LSS-B4-COMP-101323MSD

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

Quant Time: Oct 26 00:49:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.992 | 152 | 142933 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.816 | 136 | 564261 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.639 | 164 | 325346 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.386 | 188 | 693681 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.568 | 240 | 664479 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.027 | 264 | 722490 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 1106778 | 109.438 | ng | | 0.00 |
| 7) Phenol-d6 | 7.145 | 99 | 1435468 | 105.915 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.192 | 82 | 948025 | 74.294 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.133 | 330 | 511632 | 141.515 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.257 | 172 | 1843676 | 76.310 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.997 | 244 | 2828871 | 75.502 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.393 | 88 | 166041 | 34.866 | ng | | 97 |
| 3) Pyridine | 3.804 | 79 | 422155 | 30.215 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.734 | 42 | 243475 | 34.514 | ng | | 92 |
| 6) Aniline | 7.334 | 93 | 494104 | 28.634 | ng | | 96 |
| 8) 2-Chlorophenol | 7.545 | 128 | 449351 | 44.777 | ng | | 95 |
| 9) Benzaldehyde | 7.151 | 77 | 166738 | 21.122 | ng | | 95 |
| 10) Phenol | 7.175 | 94 | 583159 | 41.641 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.428 | 93 | 460426 | 40.045 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.869 | 146 | 483940 | 46.624 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.028 | 146 | 493911 | 47.272 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.339 | 146 | 474159 | 47.261 | ng | | 98 |
| 15) Benzyl Alcohol | 8.251 | 79 | 428766 | 42.677 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.522 | 45 | 720757m | 39.617 | ng | | |
| 17) 2-Methylphenol | 8.433 | 107 | 382732 | 41.415 | ng | | 97 |
| 18) Hexachloroethane | 9.057 | 117 | 191400 | 47.584 | ng | # | 91 |
| 19) n-Nitroso-di-n-propyla... | 8.810 | 70 | 378637 | 41.219 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.769 | 107 | 517233 | 41.728 | ng | | 97 |
| 22) Acetophenone | 8.839 | 105 | 686297 | 44.582 | ng | | 97 |
| 24) Nitrobenzene | 9.233 | 77 | 549600 | 43.051 | ng | | 97 |
| 25) Isophorone | 9.745 | 82 | 990389 | 45.671 | ng | | 98 |
| 26) 2-Nitrophenol | 9.933 | 139 | 240304 | 48.857 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.975 | 122 | 379012 | 43.088 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.227 | 93 | 604110 | 43.970 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.457 | 162 | 418721 | 54.739 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.663 | 180 | 447167 | 54.529 | ng | | 99 |
| 31) Naphthalene | 10.863 | 128 | 1376848 | 47.506 | ng | | 100 |
| 32) Benzoic acid | 10.116 | 122 | 339151 | 52.193 | ng | | 97 |
| 33) 4-Chloroaniline | 10.998 | 127 | 278739 | 22.151 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.092 | 225 | 267502 | 60.282 | ng | | 97 |
| 35) Caprolactam | 11.827 | 113 | 136752 | 45.403 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.098 | 107 | 457195 | 49.528 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.469 | 142 | 913551 | 46.824 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.686 | 142 | 888921 | 48.635 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.816 | 216 | 504150 | 53.601 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.763 | 237 | 338868 | 67.223 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.068 | 196 | 329217 | 54.070 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
Data File : BM042447.D
Acq On : 25 Oct 2023 20:54
Operator : MA/JU
Sample : 04905-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 26 00:49:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LSS-B4-COMP-101323MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.139 | 196 | 355192 | 49.349 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.474 | 154 | 1208025 | 46.805 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.521 | 162 | 911091 | 48.115 | ng | | 99 |
| 48) 2-Nitroaniline | 13.757 | 65 | 323490 | 39.375 | ng | | 92 |
| 49) Acenaphthylene | 14.368 | 152 | 1513249 | 49.501 | ng | | 100 |
| 50) Dimethylphthalate | 14.104 | 163 | 1111200 | 46.563 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.245 | 165 | 240960 | 44.916 | ng | | 86 |
| 52) Acenaphthene | 14.704 | 154 | 861495 | 46.613 | ng | | 99 |
| 53) 3-Nitroaniline | 14.586 | 138 | 187685 | 30.642 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.786 | 184 | 208791 | 64.336 | ng | | 91 |
| 55) Dibenzofuran | 15.039 | 168 | 1388588 | 47.502 | ng | | 97 |
| 56) 4-Nitrophenol | 14.874 | 139 | 467566 | 96.200 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.027 | 165 | 327156 | 45.616 | ng | | 84 |
| 58) Fluorene | 15.686 | 166 | 1106442 | 47.966 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.251 | 232 | 312263 | 57.751 | ng | | 89 |
| 60) Diethylphthalate | 15.445 | 149 | 1109995 | 47.134 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.674 | 204 | 564843 | 51.996 | ng | | 93 |
| 62) 4-Nitroaniline | 15.745 | 138 | 243226 | 40.332 | ng | | 96 |
| 63) Azobenzene | 15.968 | 77 | 1231743 | 43.595 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.774 | 198 | 140145 | 33.704 | ng | | 83 |
| 66) n-Nitrosodiphenylamine | 15.898 | 169 | 954623 | 45.690 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.568 | 248 | 313835 | 48.814 | ng | | 93 |
| 68) Hexachlorobenzene | 16.656 | 284 | 393198 | 57.216 | ng | # | 90 |
| 69) Atrazine | 16.845 | 200 | 349962 | 66.050 | ng | | 98 |
| 70) Pentachlorophenol | 17.015 | 266 | 562002 | 96.617 | ng | | 99 |
| 71) Phenanthrene | 17.433 | 178 | 1768833 | 46.873 | ng | | 100 |
| 72) Anthracene | 17.521 | 178 | 1783016 | 47.708 | ng | | 100 |
| 73) Carbazole | 17.809 | 167 | 1653325 | 47.156 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.327 | 149 | 2071891 | 46.745 | ng | | 99 |
| 75) Fluoranthene | 19.439 | 202 | 2181779 | 52.496 | ng | | 98 |
| 77) Benzidine | 19.650 | 184 | 1444980 | 150.343 | ng | | 99 |
| 78) Pyrene | 19.809 | 202 | 2253794 | 48.538 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.686 | 149 | 994659 | 47.307 | ng | | 91 |
| 81) Benzo(a)anthracene | 21.550 | 228 | 2161729 | 48.529 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.491 | 252 | 756031 | 56.854 | ng | # | 98 |
| 83) Chrysene | 21.609 | 228 | 1955028 | 45.695 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149 | 1473079 | 49.144 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.374 | 149 | 2567944 | 49.636 | ng | | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 26.615 | 276 | 2323287 | 44.002 | ng | | 93 |
| 88) Benzo(b)fluoranthene | 23.268 | 252 | 2092134 | 48.108 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 23.321 | 252 | 1981640 | 43.890 | ng | # | 96 |
| 90) Benzo(a)pyrene | 23.921 | 252 | 1828330 | 43.679 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 26.632 | 278 | 1939422 | 44.180 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 27.426 | 276 | 1838596 | 43.127 | ng | # | 93 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
Data File : BM042447.D
Acq On : 25 Oct 2023 20:54
Operator : MA/JU
Sample : 04905-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 26 00:49:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LSS-B4-COMP-101323MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023