Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036975.D
Acq On : 08 May 2025 16:16
Operator : RC/JU
Sample : Q1939-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
GB2BMS

Quant Time: May 08 16:43:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.625 | 152 | 1704 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.404 | 136 | 4360 | 0.400 | ng | #-0.01 |
| 13) Acenaphthene-d10 | 14.277 | 164 | 2385 | 0.400 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.021 | 188 | 5063 | 0.400 | ng | # 0.00 |
| 29) Chrysene-d12 | 21.215 | 240 | 4471 | 0.400 | ng | # 0.00 |
| 35) Perylene-d12 | 23.424 | 264 | 4298 | 0.400 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.220 | 112 | 1017 | 0.233 | ng | 0.00 |
| 5) Phenol-d6 | 6.802 | 99 | 1298 | 0.242 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.771 | 82 | 1005 | 0.220 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.001 | 152 | 1345 | 0.221 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.767 | 330 | 238 | 0.224 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 12.893 | 172 | 2233 | 0.194 | ng | 0.00 |
| 27) Fluoranthene-d10 | 19.054 | 212 | 3006 | 0.229 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.663 | 244 | 2092 | 0.198 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.148 | 88 | 719 | 0.339 | ng | # 11 |
| 3) n-Nitrosodimethylamine | 3.458 | 42 | 1767 | 0.429 | ng | 90 |
| 6) bis(2-Chloroethyl)ether | 7.055 | 93 | 1918 | 0.386 | ng | 99 |
| 9) Naphthalene | 10.458 | 128 | 4753 | 0.375 | ng | 100 |
| 10) Hexachlorobutadiene | 10.746 | 225 | 1025 | 0.373 | ng | # 98 |
| 12) 2-Methylnaphthalene | 12.077 | 142 | 3444 | 0.420 | ng | 99 |
| 16) Acenaphthylene | 13.989 | 152 | 4556 | 0.391 | ng | 97 |
| 17) Acenaphthene | 14.331 | 154 | 2973 | 0.388 | ng | 98 |
| 18) Fluorene | 15.325 | 166 | 4067 | 0.406 | ng | 99 |
| 20) 4,6-Dinitro-2-methylph... | 15.410 | 198 | 432 | 0.322 | ng | # 73 |
| 21) 4-Bromophenyl-phenylether | 16.214 | 248 | 1264 | 0.374 | ng | # 67 |
| 22) Hexachlorobenzene | 16.326 | 284 | 1266 | 0.342 | ng | 96 |
| 23) Atrazine | 16.487 | 200 | 1110 | 0.407 | ng | # 92 |
| 24) Pentachlorophenol | 16.673 | 266 | 623 | 0.314 | ng | 98 |
| 25) Phenanthrene | 17.058 | 178 | 7313 | 0.438 | ng | 99 |
| 26) Anthracene | 17.145 | 178 | 5839 | 0.386 | ng | 99 |
| 28) Fluoranthene | 19.087 | 202 | 7262 | 0.388 | ng | 99 |
| 30) Pyrene | 19.449 | 202 | 7672 | 0.356 | ng | 99 |
| 32) Benzo(a)anthracene | 21.198 | 228 | 6467 | 0.393 | ng | 98 |
| 33) Chrysene | 21.251 | 228 | 7045 | 0.397 | ng | 99 |
| 34) Bis(2-ethylhexyl)phtha... | 21.144 | 149 | 6904 | 0.737 | ng | 99 |
| 36) Indeno(1,2,3-cd)pyrene | 25.637 | 276 | 6779 | 0.386 | ng | 99 |
| 37) Benzo(b)fluoranthene | 22.760 | 252 | 6538 | 0.362 | ng | 98 |
| 38) Benzo(k)fluoranthene | 22.807 | 252 | 6781 | 0.373 | ng | 100 |
| 39) Benzo(a)pyrene | 23.328 | 252 | 5810 | 0.391 | ng | 96 |
| 40) Dibenzo(a,h)anthracene | 25.655 | 278 | 5158 | 0.373 | ng | 99 |
| 41) Benzo(g,h,i)perylene | 26.318 | 276 | 5341 | 0.348 | ng | 98 |

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

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