Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071224\
Data File : BM046586.D
Acq On : 13 Jul 2024 17:31
Operator : MA/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.4166

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 07/15/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 09:03:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 15 08:57:27 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.510 | 152 | 3976 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.271 | 136 | 10956 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.151 | 164 | 7014 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.905 | 188 | 14605 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.108 | 240 | 10767 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.250 | 264 | 11561 | 0.400 | ng/ul | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.122 | 96 | 1017 | 0.311 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.866 | 152 | 6956 | 0.394 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.942 | 212 | 14092 | 0.430 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.155 | 88 | 1049 | 0.301 | ng/ul# | 77 |
| 5) Naphthalene | 10.315 | 128 | 11358 | 0.408 | ng/ul | 96 |
| 7) 2-Methylnaphthalene | 11.943 | 142 | 7866 | 0.402 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.168 | 142 | 8338 | 0.417 | ng/ul | 99 |
| 10) Acenaphthylene | 13.864 | 152 | 13516 | 0.423 | ng/ul | 98 |
| 11) Acenaphthene | 14.215 | 153 | 8995 | 0.420 | ng/ul | 97 |
| 12) Fluorene | 15.210 | 166 | 10442 | 0.395 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.559 | 266 | 2283 | 0.308 | ng/ul | 99 |
| 15) Phenanthrene | 16.943 | 178 | 16660 | 0.400 | ng/ul | 100 |
| 16) Anthracene | 17.036 | 178 | 16263 | 0.400 | ng/ul | 98 |
| 19) Fluoranthene | 18.974 | 202 | 19636 | 0.444 | ng/ul | 98 |
| 20) Pyrene | 19.337 | 202 | 20169 | 0.421 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.093 | 228 | 18810 | 0.395 | ng/ul | 99 |
| 22) Chrysene | 21.146 | 228 | 17677 | 0.384 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.616 | 252 | 18366 | 0.398 | ng/ul | 99 |
| 25) Benzo(k)fluoranthene | 22.656 | 252 | 17714m | 0.391 | ng/ul | |
| 26) Benzo(a)pyrene | 23.156 | 252 | 16797 | 0.442 | ng/ul | 96 |
| 27) Indeno(1,2,3-cd)pyrene | 25.376 | 276 | 19851 | 0.343 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 25.390 | 278 | 15766 | 0.344 | ng/ul# | 83 |
| 29) Benzo(g,h,i)perylene | 26.014 | 276 | 17486 | 0.379 | ng/ul | 98 |

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

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