Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061440.D
Acq On : 4 Jun 2024 3:05
Operator : MA/JU
Sample : P2577-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BHBN4

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 03:49:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.872 | 152 | 43212 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.669 | 136 | 168208 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.511 | 164 | 128382 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.261 | 188 | 292196 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.515 | 240 | 300245 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.611 | 264 | 353823 | 20.000 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.342 | 96 | 2588 | 3.352 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.759 | 84 | 4837 | 1.761 | ng/ul | 0.02 |
| 7) Phenol-d5 | 7.067 | 99 | 78506 | 22.123 | ng/ul | 0.01 |
| 9) Bis-(2-Chloroethyl)eth... | 7.208 | 67 | 47939 | 21.493 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.414 | 132 | 63346 | 24.120 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.601 | 113 | 66339 | 21.924 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.035 | 128 | 33842 | 26.131 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.758 | 143 | 38549 | 25.433 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.304 | 165 | 77749 | 26.312 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.804 | 131 | 44740 | 11.573 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.918 | 166 | 243919 | 24.497 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.206 | 160 | 274674 | 26.534 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.752 | 143 | 23352m | 18.970 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.504 | 176 | 222252 | 25.854 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.645 | 200 | 28802 | 16.298 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.361 | 188 | 345574 | 26.826 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.652 | 212 | 424198 | 27.516 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.400 | 264 | 453099 | 26.637 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 72) Phenanthrene | 17.302 | 178 | 132142 | 9.318 | ng/ul | 99 |
| 74) Anthracene | 17.396 | 178 | 21879 | 1.492 | ng/ul | 98 |
| 77) Carbazole | 17.666 | 167 | 12576 | 1.054 | ng/ul | 96 |
| 80) Fluoranthene | 19.323 | 202 | 337289 | 18.238 | ng/ul | 100 |
| 82) Pyrene | 19.688 | 202 | 308789 | 16.086 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.569 | 149 | 9616m | 1.458 | ng/ul | |
| 85) Benzo(a)anthracene | 21.497 | 228 | 171278 | 8.267 | ng/ul | 95 |
| 86) Bis(2-ethylhexyl)phtha... | 21.409 | 149 | 30479 | 3.122 | ng/ul# | 92 |
| 87) Chrysene | 21.562 | 228 | 190423 | 9.982 | ng/ul | 99 |
| 90) Benzo(b)fluoranthene | 23.636 | 252 | 259076 | 12.298 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.689 | 252 | 97296m | 4.550 | ng/ul | |
| 93) Benzo(a)pyrene | 24.464 | 252 | 174262 | 8.711 | ng/ul | 94 |
| 94) Indeno(1,2,3-cd)pyrene | 28.113 | 276 | 116003m | 4.795 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.142 | 278 | 26952m | 1.351 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 29.212 | 276 | 101499m | 5.274 | ng/ul | |

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

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