Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
Data File : BM048050.D
Acq On : 15 Oct 2024 06:06
Operator : RC/JU
Sample : P4238-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 15 06:41:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 10 05:10:14 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
A4F15

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :mohammad ahmed 10/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.781 | 152 | 320738 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.575 | 136 | 1294687 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.421 | 164 | 816222 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.156 | 188 | 1691434 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.392 | 240 | 1576870 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.385 | 264 | 1853723 | 20.000 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.240 | 96 | 10735 | 1.082 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 0.000 | 84 | 0d | 0.000 | ng/ul | |
| 7) Phenol-d5 | 6.957 | 99 | 186171 | 6.138 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.110 | 67 | 112960 | 5.249 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.316 | 132 | 167166m | 7.576 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.492 | 113 | 123519 | 5.478 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.939 | 128 | 74163 | 7.194 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.657 | 143 | 80873 | 8.187 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.204 | 165 | 146679 | 7.433 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.727 | 131 | 25826m | 0.847 | ng/ul | 0.01 |
| 46) Dimethylphthalate-d6 | 13.827 | 166 | 436397 | 7.374 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.110 | 160 | 512394 | 7.303 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.633 | 143 | 51955m | 4.410 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.410 | 176 | 404318 | 7.888 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 200 | 36603 | 3.698 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.256 | 188 | 640559 | 7.702 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.545 | 212 | 680483 | 7.604 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.174 | 264 | 518407 | 5.390 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetophenone | 8.604 | 105 | 44242 | 1.147 | ng/ul | 93 |
| 72) Phenanthrene | 17.204 | 178 | 641295 | 6.465 | ng/ul | 100 |
| 74) Anthracene | 17.292 | 178 | 132807 | 1.313 | ng/ul | 99 |
| 80) Fluoranthene | 19.215 | 202 | 1976476 | 18.752 | ng/ul | 98 |
| 82) Pyrene | 19.574 | 202 | 1413205 | 12.046 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.368 | 228 | 815094 | 7.383 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.291 | 149 | 292972 | 4.705 | ng/ul# | 97 |
| 87) Chrysene | 21.433 | 228 | 1104099 | 10.258 | ng/ul | 97 |
| 90) Benzo(b)fluoranthene | 23.438 | 252 | 1670618 | 14.451 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.497 | 252 | 544033m | 4.602 | ng/ul | |
| 93) Benzo(a)pyrene | 24.244 | 252 | 541427 | 4.931 | ng/ul | 96 |
| 94) Indeno(1,2,3-cd)pyrene | 27.762 | 276 | 621406 | 4.417 | ng/ul | 97 |
| 95) Dibenzo(a,h)anthracene | 27.797 | 278 | 201434 | 1.747 | ng/ul# | 92 |

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

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