Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM011720\

Quantitation Report (QT Reviewed)

Data File : BM024515.D
Acq On : 18 Jan 2020 02:55
Operator : JU
Sample : SSTDCCC020
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 18 05:33:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 18 00:06:51 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02023

**Manual Integrations APPROVED**
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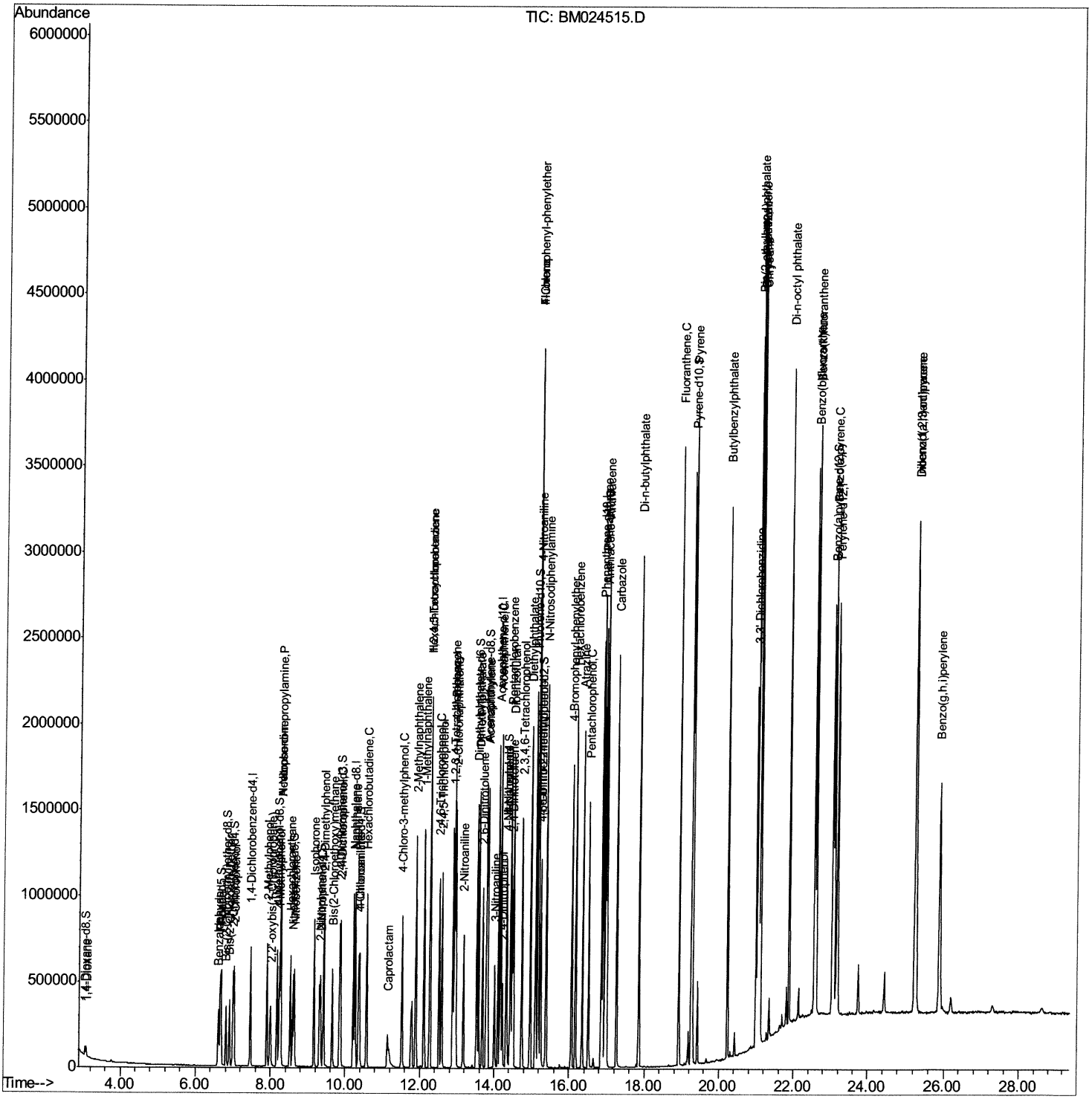
1/21/2020 7:59:37 AM



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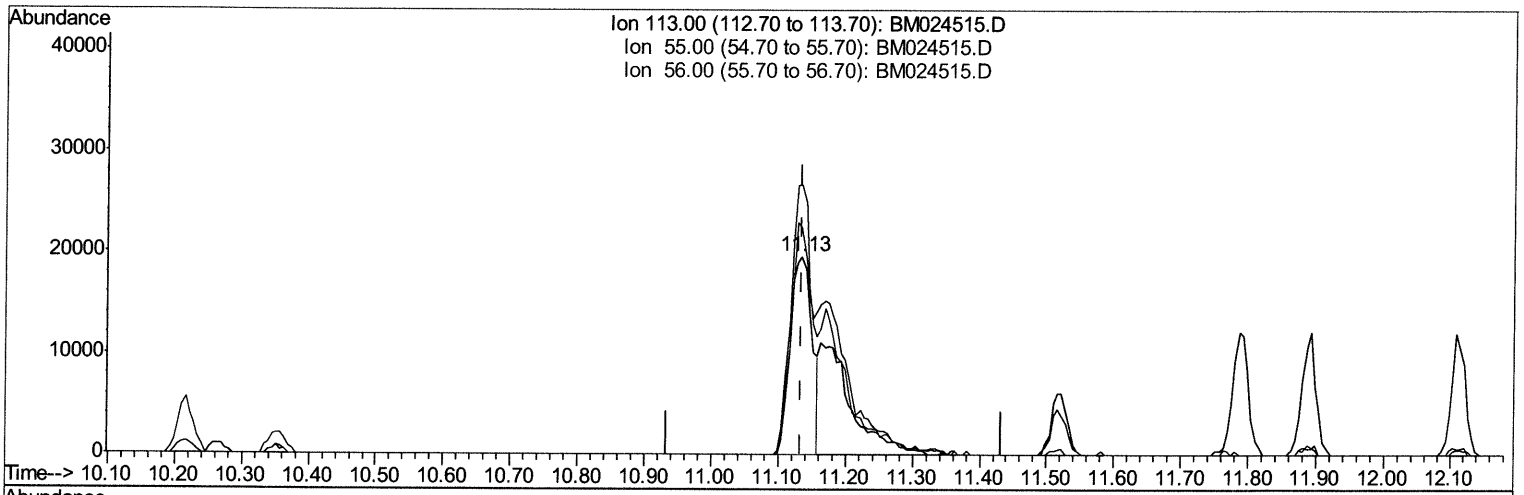


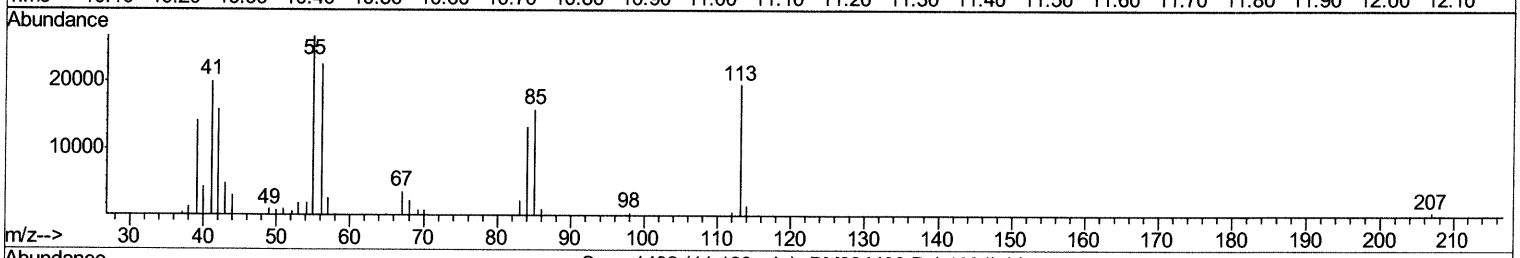


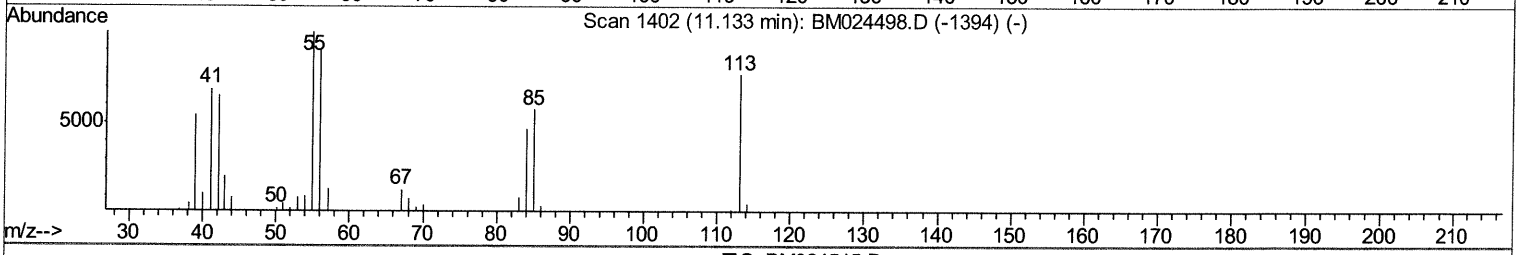


TIC: BM024515.D

(32) Caprolactam

11.134min (+0.000) 11.09ng/ul

response 43913

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 147.90 | 136.30 |
| 56.00 | 113.50 | 114.80 |
| 0.00 | 0.00 | 0.00 |

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**Manual Integrations APPROVED**
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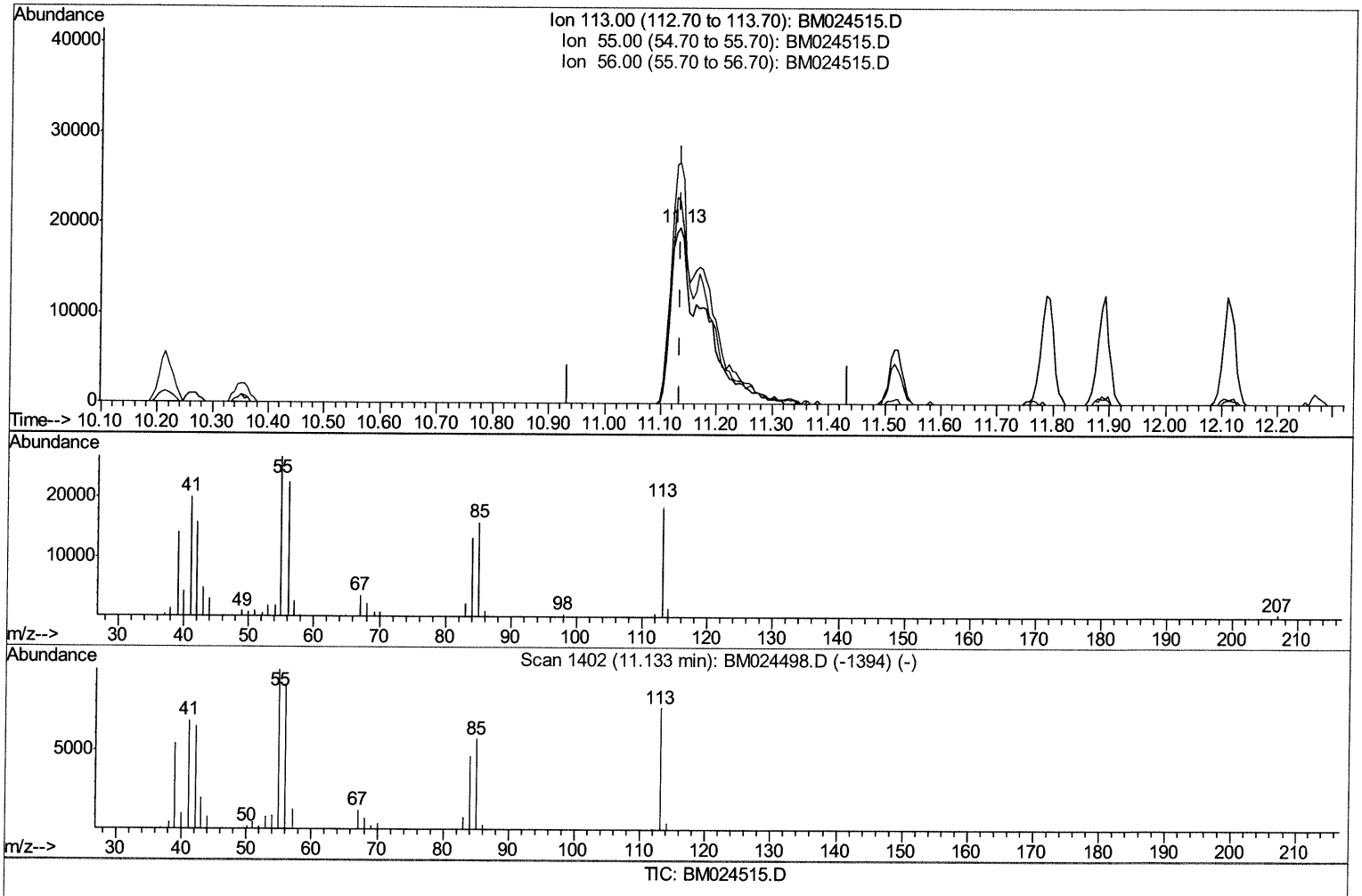
1/21/2020 7:59:37 AM




(32) Caprolactam

11.134min (+0.000) 20.23ng/ul m SJ 01/21/20

response 80116

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 147.90 | 136.30 |
| 56.00 | 113.50 | 114.80 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :** BNA_M
**LabSampleId :** SSTD02023

**Manual Integrations APPROVED**
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1/21/2020 7:59:37 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.46 | 152 | 178308 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.22 | 136 | 791240 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.10 | 164 | 622291 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.86 | 188 | 1528646 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.06 | 240 | 1704430 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.17 | 264 | 1653755 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.06 | 96 | 29793 | 8.17 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.65 | 99 | 245324 | 18.56 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.80 | 67 | 137437 | 18.72 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.00 | 132 | 226397 | 20.06 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.17 | 113 | 227464 | 18.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.59 | 128 | 114350 | 20.57 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.31 | 143 | 133035 | 22.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.85 | 165 | 285281 | 21.05 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.35 | 131 | 278391 | 18.48 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.53 | 166 | 966356 | 19.82 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.79 | 160 | 1126053 | 20.07 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.32 | 143 | 169393 | 20.82 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.10 | 176 | 874331 | 20.37 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 175781 | 20.14 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.95 | 188 | 1486041 | 20.90 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.26 | 212 | 1786734 | 19.61 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.04 | 264 | 1720508 | 20.06 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 29870 | 7.883 | ng/uL | 92 |
| 4) Benzaldehyde | 6.61 | 77 | 102393 | 14.608 | ng/ul | 99 |
| 6) Phenol | 6.68 | 94 | 247188 | 18.405 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 6.90 | 93 | 198402 | 18.861 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.03 | 128 | 226075 | 20.013 | ng/ul | 98 |
| 11) 2-Methylphenol | 7.90 | 108 | 206225 | 18.735 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.00 | 45 | 225546 | 18.143 | ng/ul | 97 |
| 14) Acetophenone | 8.27 | 105 | 353182 | 18.464 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.27 | 70 | 175378 | 19.392 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.23 | 108 | 229193 | 18.698 | ng/ul | 96 |
| 17) Hexachloroethane | 8.52 | 117 | 104045 | 20.638 | ng/ul | 96 |
| 20) Nitrobenzene | 8.63 | 77 | 275357 | 20.466 | ng/ul | 99 |
| 21) Isophorone | 9.16 | 82 | 510299 | 19.264 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.34 | 139 | 141613 | 21.511 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 9.42 | 107 | 287656 | 20.132 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.65 | 93 | 297853 | 19.542 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 9.87 | 162 | 273408 | 20.795 | ng/ul | 98 |
| 28) Naphthalene | 10.27 | 128 | 808379 | 19.942 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.37 | 127 | 275286 | 18.589 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.57 | 225 | 220304 | 21.051 | ng/ul | 100 |
| 32) Caprolactam | 11.13 | 113 | 80116m > | 20.229 | ng/ul > | SJ 01/21/20 |
| 33) 4-Chloro-3-methylphenol | 11.52 | 107 | 283937 | 20.777 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 11.89 | 142 | 642016 | 20.411 | ng/ul | 100 |

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QLast Update : Sat Jan 18 00:06:51 2020
Response via : Initial Calibration

**Instrument :** BNA_M
**LabSampleId :** SSTD02023

**Manual Integrations APPROVED**
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1/21/2020 7:59:37 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.12 | 142 | 643413 | 20.178 | ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.27 | 216 | 415626 | 20.301 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.26 | 237 | 298530 | 20.161 | ng/ul | 97 |
| 39) 2,4,6-Trichlorophenol | 12.52 | 196 | 262363 | 20.946 | ng/ul | 99 |
| 40) 2,4,5-Trichlorophenol | 12.59 | 196 | 288287 | 21.496 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 12.93 | 154 | 902180 | 19.969 | ng/ul | 99 |
| 42) 2-Chloronaphthalene | 12.96 | 162 | 724616 | 19.937 | ng/ul | 99 |
| 43) 2-Nitroaniline | 13.17 | 65 | 177992 | 21.376 | ng/ul | 99 |
| 45) Dimethylphthalate | 13.57 | 163 | 987472 | 19.923 | ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.68 | 165 | 198233 | 21.253 | ng/ul | 99 |
| 48) Acenaphthylene | 13.82 | 152 | 1135888 | 19.815 | ng/ul | 100 |
| 49) 3-Nitroaniline | 14.00 | 138 | 143504 | 18.662 | ng/ul | 99 |
| 50) Acenaphthene | 14.17 | 153 | 766739 | 19.763 | ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.22 | 184 | 102412 | 20.096 | ng/ul | 99 |
| 53) 4-Nitrophenol | 14.33 | 109 | 168250 | 22.234 | ng/ul | 92 |
| 54) Dibenzofuran | 14.51 | 168 | 1146186 | 20.166 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.47 | 165 | 302918 | 21.722 | ng/ul | 97 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.74 | 232 | 283064 | 21.748 | ng/ul | 97 |
| 57) Diethylphthalate | 14.96 | 149 | 1030419 | 20.247 | ng/ul | 99 |
| 59) Fluorene | 15.16 | 166 | 984109 | 20.479 | ng/ul | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.17 | 204 | 562869 | 20.534 | ng/ul | 98 |
| 61) 4-Nitroaniline | 15.18 | 138 | 174392 | 19.013 | ng/ul | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.25 | 198 | 188711 | 20.448 | ng/ul# | 96 |
| 65) N-Nitrosodiphenylamine | 15.38 | 169 | 833558 | 19.633 | ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.06 | 248 | 362275 | 19.990 | ng/ul | 98 |
| 67) Hexachlorobenzene | 16.17 | 284 | 415670 | 19.973 | ng/ul | 100 |
| 68) Atrazine | 16.35 | 200 | 373862 | 20.925 | ng/ul | 99 |
| 69) Pentachlorophenol | 16.51 | 266 | 268283 | 21.652 | ng/ul | 98 |
| 70) Phenanthrene | 16.90 | 178 | 1652067 | 20.040 | ng/ul | 99 |
| 72) Anthracene | 16.99 | 178 | 1760073 | 20.936 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.89 | 216 | 427758 | 19.679 | ng/uL | 98 |
| 74) Pentachlorobenzene | 14.43 | 250 | 459542 | 19.970 | ng/uL | 99 |
| 75) Carbazole | 17.26 | 167 | 1476114 | 20.868 | ng/ul | 100 |
| 76) Di-n-butylphthalate | 17.86 | 149 | 1965889 | 22.107 | ng/ul | 100 |
| 77) Fluoranthene | 18.92 | 202 | 2203569 | 21.870 | ng/ul | 99 |
| 80) Pyrene | 19.29 | 202 | 2270574 | 19.460 | ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.22 | 149 | 885332 | 21.605 | ng/ul | 98 |
| 82) 3,3'-Dichlorobenzidine | 20.99 | 252 | 595403 | 16.233 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.04 | 228 | 2339891 | 20.153 | ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.02 | 149 | 1383898 | 21.334 | ng/ul | 100 |
| 85) Chrysene | 21.10 | 228 | 2263752 | 20.234 | ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.87 | 149 | 2279277 | 20.135 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.56 | 252 | 2196135 | 20.092 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 22.60 | 252 | 2193343 | 20.418 | ng/ul | 100 |
| 91) Benzo(a)pyrene | 23.09 | 252 | 1919761 | 20.210 | ng/ul | 100 |
| 92) Indeno(1,2,3-cd)pyrene | 25.25 | 276 | 1998005 | 20.103 | ng/ul | 98 |
| 93) Dibenzo(a,h)anthracene | 25.26 | 278 | 1686606 | 19.995 | ng/ul | 100 |
| 94) Benzo(g,h,i)perylene | 25.87 | 276 | 1595180 | 20.195 | ng/ul | 99 |

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

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