Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
Data File : BG050289.D
Acq On : 28 Sep 2021 17:26
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 28 18:40:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG092521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 27 03:10:48 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC020

**Manual Integrations APPROVED**
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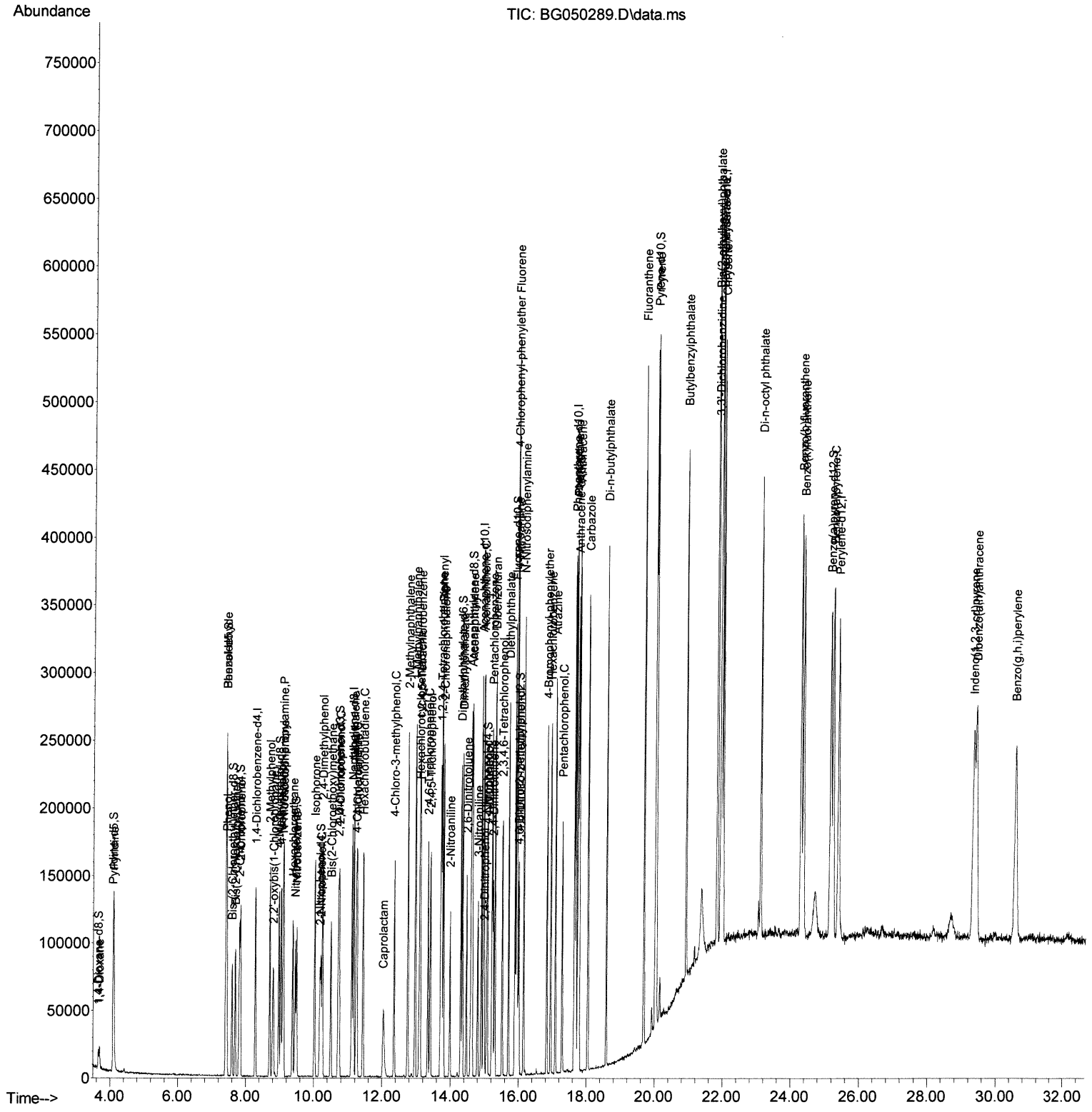
9/29/2021 12:53:21 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
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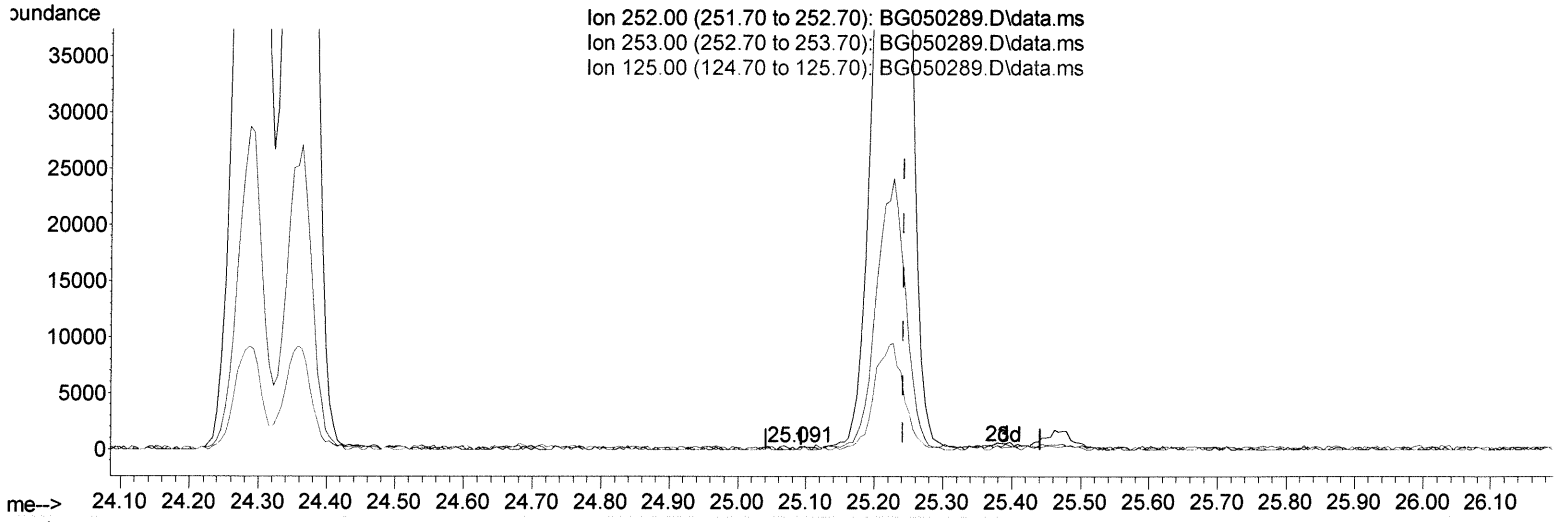


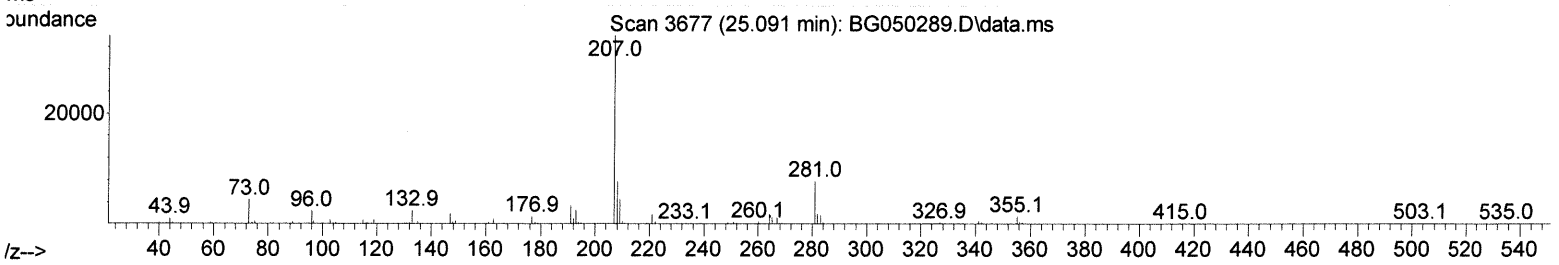


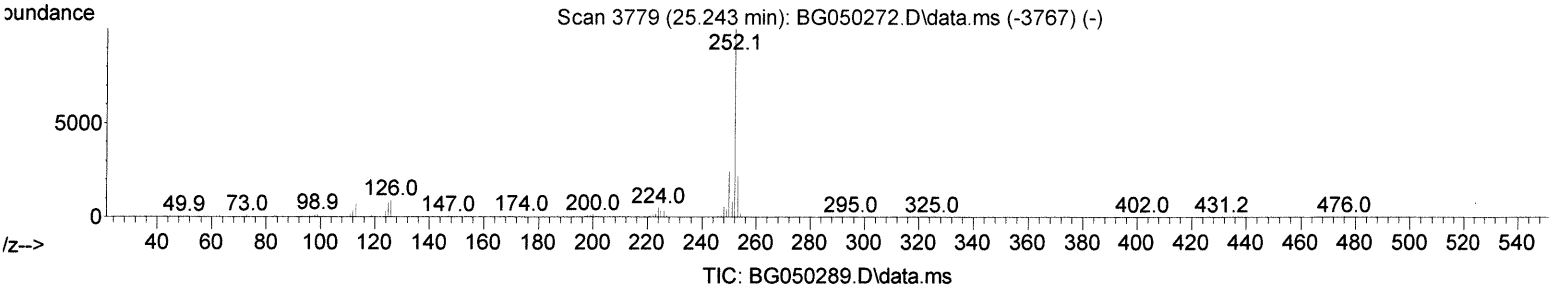


**(93) Benzo(a)pyrene (C)**

25.091min (-0.150) 0.01 ng/ul

response 220

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.20 | 75.32# |
| 125.00 | 5.50 | 0.00# |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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**LabSampleId :**
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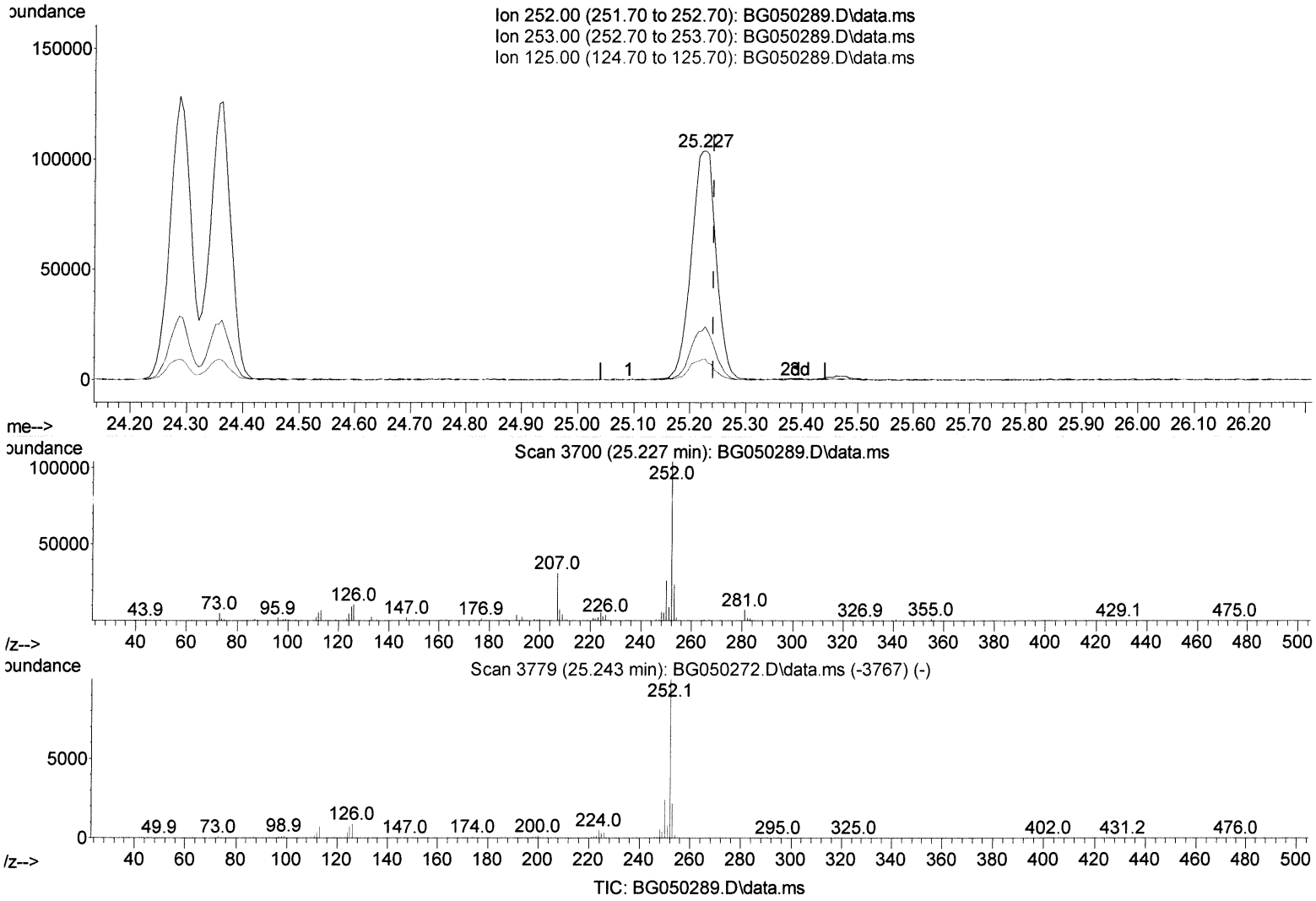
**Manual Integrations APPROVED**
mohammad
9/29/2021 12:53:21 PM




(93) Benzo(a)pyrene (C)

25.227min (-0.015) 20.70 ng/ul m

response 316776

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.20 | 23.25 |
| 125.00 | 5.50 | 9.11# |
| 0.00 | 0.00 | 0.00 |

10/04/21
JU

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092821\
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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QLast Update : Mon Sep 27 03:10:48 2021
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**Instrument :** BNA_G
**LabSampleId :** SSTDCCC020

**Manual Integrations APPROVED**
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9/29/2021 12:53:21 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.288 | 152 | 39245 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.114 | 136 | 158286 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.903 | 164 | 106818 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.647 | 188 | 243656 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.948 | 240 | 248487 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 25.385 | 264 | 275213 | 20.000 | ng/ul | #-0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.652 | 96 | 8277 | 10.199 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.081 | 84 | 63824 | 26.094 | ng/ul | -0.02 |
| 7) Phenol-d5 | 7.418 | 99 | 68618 | 22.021 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.600 | 67 | 42010 | 23.228 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.812 | 132 | 49384 | 21.805 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.975 | 113 | 51186 | 20.852 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.451 | 128 | 23810 | 24.350 | ng/ul | -0.02 |
| 24) 2-Nitrophenol-d4 | 10.180 | 143 | 25645 | 23.745 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.720 | 165 | 49883 | 19.799 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.237 | 131 | 68250 | 20.621 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.298 | 166 | 150061 | 20.670 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.598 | 160 | 192265 | 21.068 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.062 | 143 | 26376 | 21.533 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.890 | 176 | 134991 | 20.309 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.990 | 200 | 24639 | 23.869 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.741 | 188 | 215276 | 20.744 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.015 | 212 | 256972 | 19.101 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.144 | 264 | 287010 | 20.454 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.693 | 88 | 11159 | 10.899 | ng/uL | 96 |
| 5) Pyridine | 4.104 | 79 | 64304 | 25.351 | ng/ul | 97 |
| 6) Benzaldehyde | 7.418 | 77 | 51170 | 25.872 | ng/ul | 96 |
| 8) Phenol | 7.442 | 94 | 71182 | 22.550 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.694 | 93 | 53138 | 22.651 | ng/ul | 94 |
| 12) 2-Chlorophenol | 7.841 | 128 | 52377 | 21.944 | ng/ul# | 84 |
| 13) 2-Methylphenol | 8.711 | 108 | 54038 | 21.942 | ng/ul | 93 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.811 | 45 | 76020 | 24.495 | ng/ul# | 88 |
| 16) Acetophenone | 9.110 | 105 | 82571 | 22.020 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 9.093 | 70 | 46531 | 21.828 | ng/ul# | 94 |
| 18) 4-Methylphenol | 9.040 | 108 | 55431 | 22.097 | ng/ul | 89 |
| 19) Hexachloroethane | 9.380 | 117 | 21948 | 21.430 | ng/ul | 94 |
| 22) Nitrobenzene | 9.498 | 77 | 67631 | 24.107 | ng/ul | 99 |
| 23) Isophorone | 10.027 | 82 | 123350 | 20.846 | ng/ul# | 95 |
| 25) 2-Nitrophenol | 10.215 | 139 | 26815 | 23.772 | ng/ul# | 84 |
| 26) 2,4-Dimethylphenol | 10.256 | 107 | 62395 | 20.686 | ng/ul# | 84 |
| 27) Bis(2-Chloroethoxy)met... | 10.503 | 93 | 69030 | 21.370 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.744 | 162 | 50749 | 20.905 | ng/ul | 99 |
| 30) Naphthalene | 11.161 | 128 | 170489 | 20.999 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.261 | 127 | 69212 | 20.940 | ng/ul | 90 |
| 33) Hexachlorobutadiene | 11.443 | 225 | 39435 | 19.582 | ng/ul | 93 |
| 34) Caprolactam | 12.030 | 113 | 16216 | 21.184 | ng/ul | 85 |
| 35) 4-Chloro-3-methylphenol | 12.353 | 107 | 54832 | 20.827 | ng/ul | 97 |

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**LabSampleId :** SSTDCCC020

**Manual Integrations APPROVED**
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9/29/2021 12:53:21 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.747 | 142 | 113557 | 20.196 | ng/ul | 91 |
| 37) 1-Methylnaphthalene | 12.965 | 142 | 115093 | 20.273 | ng/ul | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 13.106 | 216 | 69876 | 20.778 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 13.082 | 237 | 48361 | 20.847 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 13.341 | 196 | 43038 | 21.702 | ng/ul | 88 |
| 42) 2,4,5-Trichlorophenol | 13.405 | 196 | 46537 | 21.811 | ng/ul | 88 |
| 43) 1,1'-Biphenyl | 13.740 | 154 | 153960 | 21.247 | ng/ul# | 97 |
| 44) 2-Chloronaphthalene | 13.787 | 162 | 120486 | 21.015 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.981 | 65 | 35254 | 25.825 | ng/ul | 99 |
| 47) Dimethylphthalate | 14.345 | 163 | 152725 | 20.884 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.469 | 165 | 28009 | 24.195 | ng/ul | 92 |
| 50) Acenaphthylene | 14.627 | 152 | 196936 | 21.361 | ng/ul | 95 |
| 51) 3-Nitroaniline | 14.798 | 138 | 30846 | 23.831 | ng/ul | 93 |
| 52) Acenaphthene | 14.968 | 153 | 129044 | 21.379 | ng/ul | 94 |
| 53) 2,4-Dinitrophenol | 14.992 | 184 | 16143 | 22.024 | ng/ul# | 77 |
| 55) 4-Nitrophenol | 15.080 | 109 | 26942 | 21.403 | ng/ul# | 70 |
| 56) Dibenzofuran | 15.297 | 168 | 188287 | 20.845 | ng/ul | 95 |
| 57) 2,4-Dinitrotoluene | 15.244 | 165 | 41309 | 25.180 | ng/ul# | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.514 | 232 | 39371 | 20.511 | ng/ul | 89 |
| 59) Diethylphthalate | 15.702 | 149 | 153652 | 20.437 | ng/ul | 94 |
| 61) Fluorene | 15.943 | 166 | 146358 | 20.682 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.932 | 204 | 81766 | 20.526 | ng/ul | 91 |
| 63) 4-Nitroaniline | 15.955 | 138 | 31891 | 23.935 | ng/ul# | 76 |
| 66) 4,6-Dinitro-2-methylph... | 16.002 | 198 | 24137 | 23.275 | ng/ul | 95 |
| 67) N-Nitrosodiphenylamine | 16.143 | 169 | 130153 | 21.125 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.831 | 248 | 51095 | 20.224 | ng/ul | 92 |
| 69) Hexachlorobenzene | 16.942 | 284 | 56950 | 20.345 | ng/ul | 98 |
| 70) Atrazine | 17.083 | 200 | 55227 | 20.316 | ng/ul | 95 |
| 71) Pentachlorophenol | 17.283 | 266 | 34877 | 19.527 | ng/ul | 96 |
| 72) Phenanthrene | 17.688 | 178 | 254639 | 21.058 | ng/ul | 95 |
| 74) Anthracene | 17.777 | 178 | 256021 | 21.258 | ng/ul | 96 |
| 75) 1,2,3,4-Tetrachloroben... | 13.705 | 216 | 72904 | 21.048 | ng/uL | 91 |
| 76) Pentachlorobenzene | 15.215 | 250 | 70934 | 21.239 | ng/uL | 97 |
| 77) Carbazole | 18.041 | 167 | 230503 | 21.633 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.587 | 149 | 263048 | 21.411 | ng/ul | 98 |
| 80) Fluoranthene | 19.680 | 202 | 324575 | 19.030 | ng/ul# | 90 |
| 82) Pyrene | 20.044 | 202 | 323308 | 19.276 | ng/ul# | 91 |
| 83) Butylbenzylphthalate | 20.920 | 149 | 116943 | 20.697 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.836 | 252 | 119985 | 22.547 | ng/ul# | 94 |
| 85) Benzo(a)anthracene | 21.930 | 228 | 317274 | 21.202 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phtha... | 21.819 | 149 | 173573 | 21.521 | ng/ul | 100 |
| 87) Chrysene | 21.995 | 228 | 306193 | 21.106 | ng/ul | 95 |
| 89) Di-n-octyl phthalate | 23.111 | 149 | 301953 | 22.382 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.287 | 252 | 331503 | 20.578 | ng/ul# | 98 |
| 91) Benzo(k)fluoranthene | 24.363 | 252 | 316745 | 20.939 | ng/ul# | 98 |
| 93) Benzo(a)pyrene | 25.227 | 252 | 316776m | 20.702 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 29.328 | 276 | 361271 | 20.205 | ng/ul# | 96 |
| 95) Dibenzo(a,h)anthracene | 29.410 | 278 | 312310 | 20.265 | ng/ul# | 98 |
| 96) Benzo(g,h,i)perylene | 30.567 | 276 | 303953 | 19.868 | ng/ul# | 91 |

JU 10/04/21

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