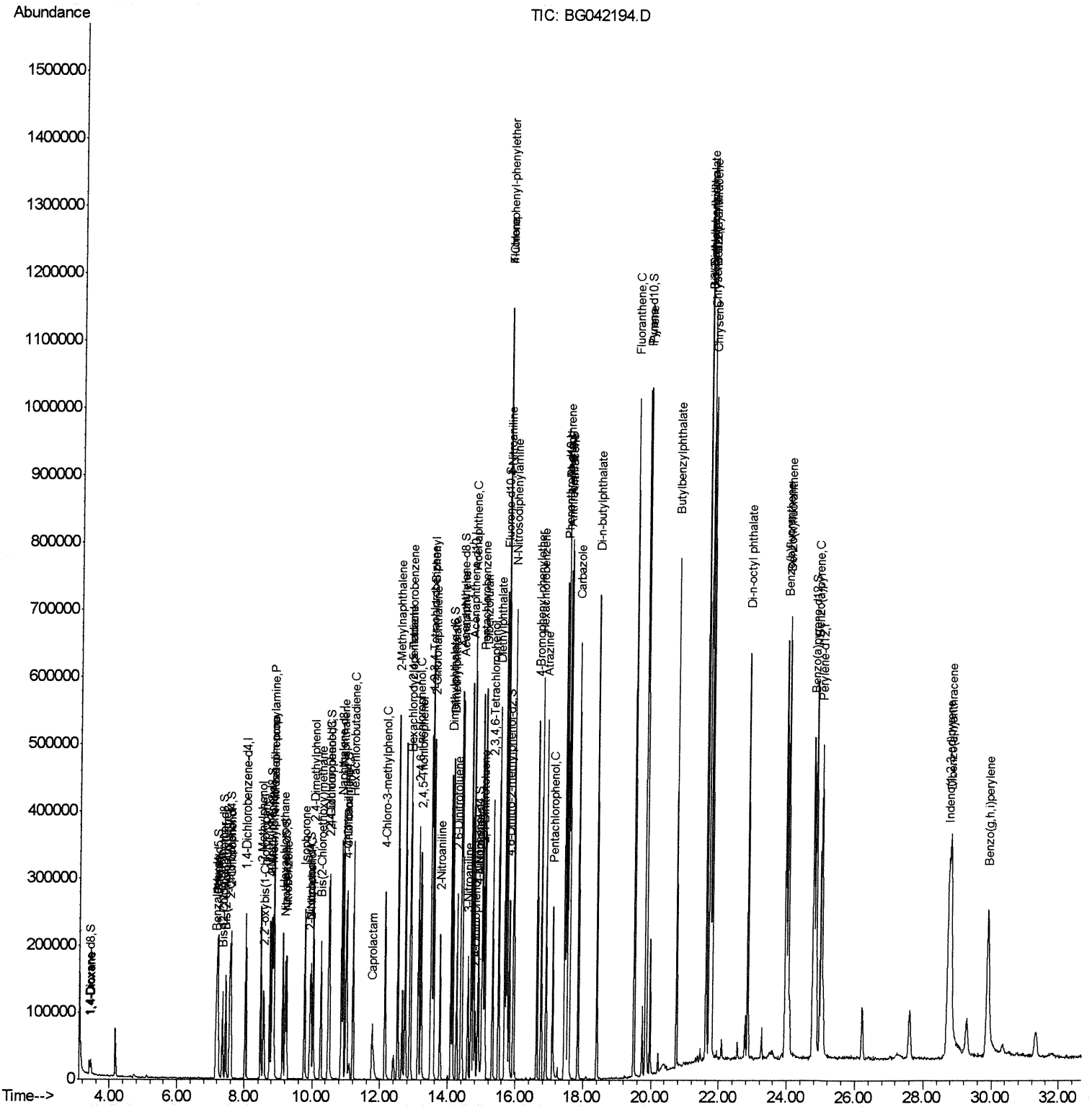
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042194.D
Acq On : 14 Aug 2019 4:12
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Aug 14 08:30:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02056

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:11:20 PM



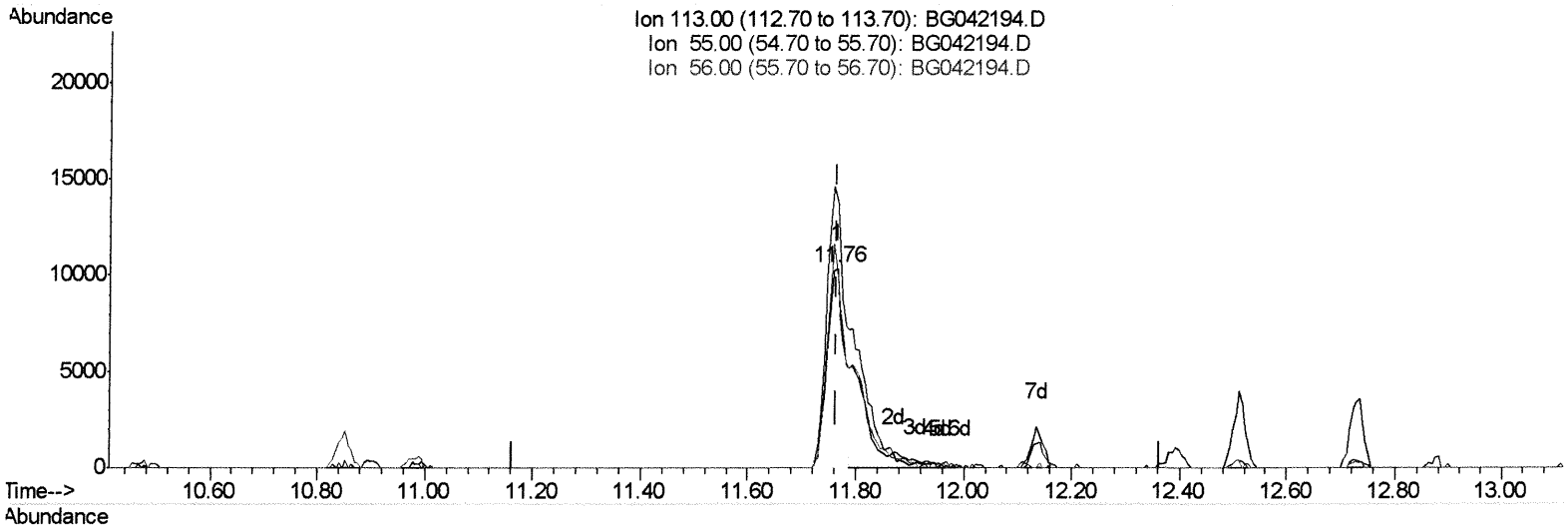
Quantitation Report (Qedit)

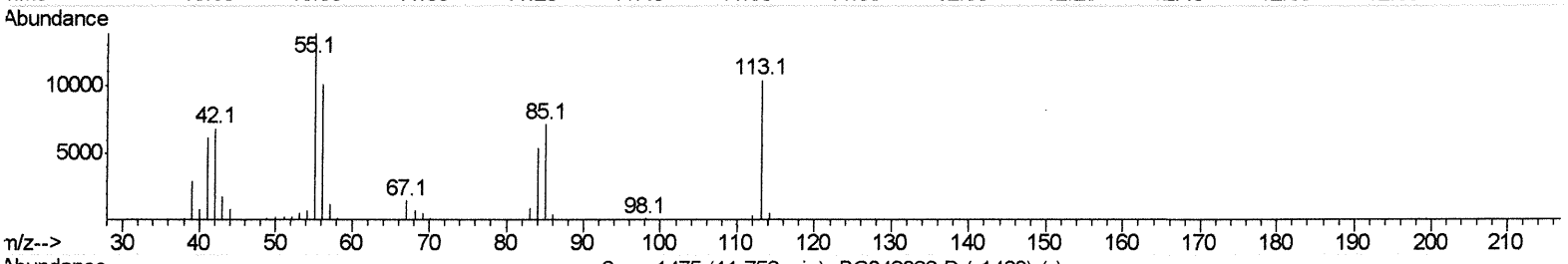
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042194.D
Acq On : 14 Aug 2019 4:12
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 56 Sample Multiplier: 1

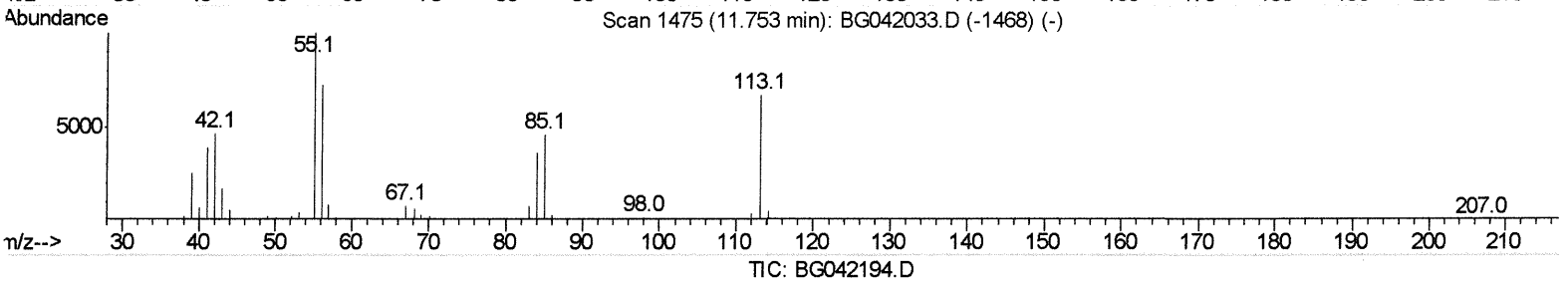
Quant Time: Aug 14 08:29:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02056

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:11:20 PM




TIC: BG042194.D

(32) Caprolactam

11.763min (+0.001) 12.10ng/ul

response 23605

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 178.00 | 133.08# |
| 56.00 | 136.80 | 97.17# |
| 0.00 | 0.00 | 0.00 |

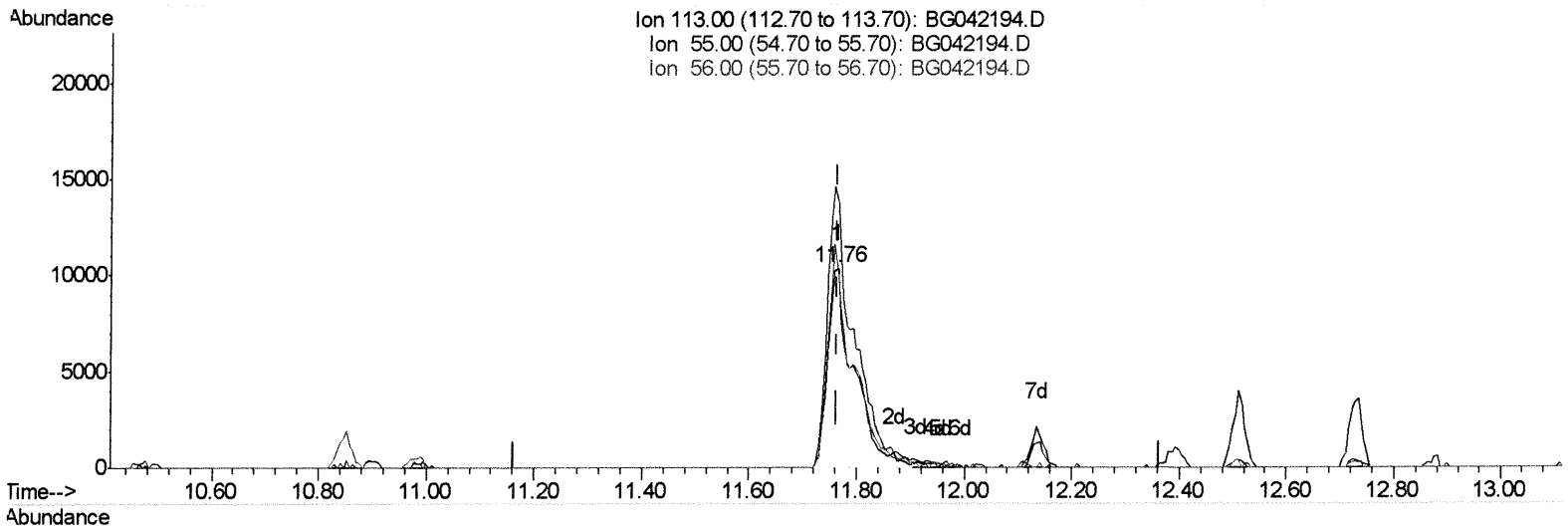
Quantitation Report (Qual)

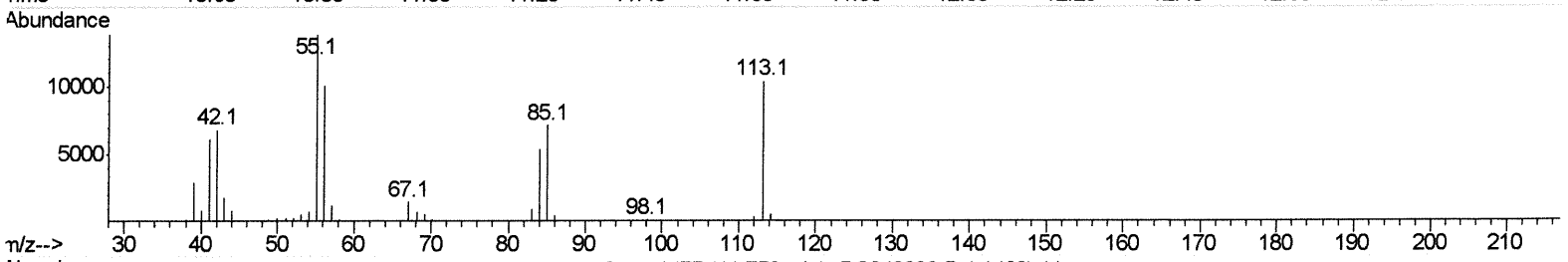
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042194.D
Acq On : 14 Aug 2019 4:12
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 56 Sample Multiplier: 1

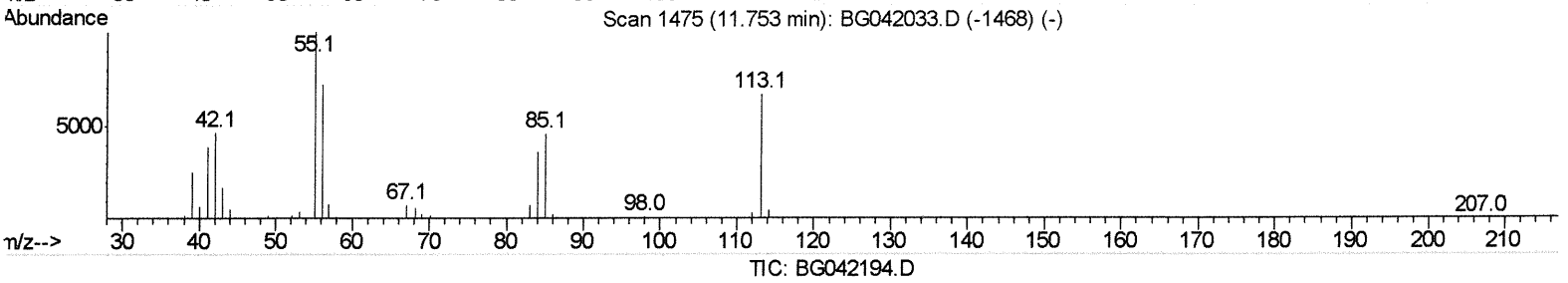
Quant Time: Aug 14 08:29:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02056

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:11:20 PM




TIC: BG042194.D

(32) Caprolactam

11.763min (+0.001) 18.28ng/ul m JU 08/15/19

response 35654

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 178.00 | 133.08# |
| 56.00 | 136.80 | 97.17# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042194.D
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Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02056

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:11:20 PM

Quant Time: Aug 14 08:30:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 83825 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.85 | 136 | 344491 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.68 | 164 | 237029 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.44 | 188 | 498215 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.72 | 240 | 488786 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 24.99 | 264 | 568498 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.41 | 96 | 12894 | 6.73 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 125995 | 19.15 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.34 | 67 | 61905 | 16.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.56 | 132 | 112969 | 20.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.74 | 113 | 105829 | 19.16 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.19 | 128 | 54022 | 20.83 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.92 | 143 | 67992 | 22.58 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.46 | 165 | 132876 | 21.86 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.98 | 131 | 144314 | 21.40 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.08 | 166 | 365410 | 19.88 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.38 | 160 | 437850 | 20.85 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.88 | 143 | 54246 | 17.57 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.68 | 176 | 331613 | 20.28 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 60039 | 18.78 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.54 | 188 | 493356 | 20.64 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.82 | 212 | 558533 | 20.48 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 24.77 | 264 | 619336 | 20.85 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.44 | 88 | 13338 | 6.720 | ng/uL# | 88 |
| 4) Benzaldehyde | 7.15 | 77 | 54262 | 17.457 | ng/ul | 94 |
| 6) Phenol | 7.21 | 94 | 130611 | 19.235 | ng/ul | 90 |
| 8) Bis(2-Chloroethyl)ether | 7.43 | 93 | 95353 | 18.458 | ng/ul | 89 |
| 10) 2-Chlorophenol | 7.59 | 128 | 112869 | 19.798 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.47 | 108 | 102562 | 18.839 | ng/ul | 95 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 125485 | 14.360 | ng/ul# | 92 |
| 14) Acetophenone | 8.85 | 105 | 160468 | 18.891 | ng/ul | 93 |
| 15) N-Nitroso-di-n-propylamine | 8.83 | 70 | 74119 | 16.517 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.80 | 108 | 112600 | 19.145 | ng/ul | 90 |
| 17) Hexachloroethane | 9.12 | 117 | 41753 | 17.686 | ng/ul | 88 |
| 20) Nitrobenzene | 9.24 | 77 | 108620 | 18.391 | ng/ul | 92 |
| 21) Isophorone | 9.76 | 82 | 206998 | 17.578 | ng/ul | 94 |
| 23) 2-Nitrophenol | 9.95 | 139 | 70930 | 22.050 | ng/ul | 92 |
| 24) 2,4-Dimethylphenol | 10.01 | 107 | 124222 | 19.573 | ng/ul | 95 |
| 25) Bis(2-Chloroethoxy)methane | 10.25 | 93 | 129679 | 18.548 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.49 | 162 | 128020 | 21.239 | ng/ul | 98 |
| 28) Naphthalene | 10.90 | 128 | 357594 | 20.305 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.01 | 127 | 142254 | 20.987 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 11.19 | 225 | 97398 | 21.283 | ng/ul | 97 |
| 32) Caprolactam | 11.76 | 113 | 35654m | 18.283 | ng/ul | 97 |
| 33) 4-Chloro-3-methylphenol | 12.13 | 107 | 113378 | 19.091 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.51 | 142 | 285133 | 20.370 | ng/ul | 98 |

JU 08/15/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042194.D
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Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02056

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:11:20 PM

Quant Time: Aug 14 08:30:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 186785 | 22.040 ng/ul# | 98 |
| 37) Hexachlorocyclopentadiene | 12.86 | 237 | 58356 | 10.907 ng/ul# | 95 |
| 38) 2,4,6-Trichlorophenol | 13.11 | 196 | 115074 | 21.941 ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 13.19 | 196 | 124321 | 21.251 ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.51 | 154 | 362814 | 21.051 ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.56 | 162 | 295192 | 21.270 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.76 | 65 | 63832 | 17.582 ng/ul# | 81 |
| 44) Dimethylphthalate | 14.13 | 163 | 357688 | 19.596 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.25 | 165 | 82646 | 20.816 ng/ul | 91 |
| 47) Acenaphthylene | 14.41 | 152 | 429932 | 20.285 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.58 | 138 | 63054 | 19.915 ng/ul | 98 |
| 49) Acenaphthene | 14.75 | 153 | 300717 | 20.291 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.80 | 184 | 36926 | 16.997 ng/ul | 95 |
| 52) 4-Nitrophenol | 14.89 | 109 | 36874 | 16.121 ng/ul | 92 |
| 53) Dibenzofuran | 15.08 | 168 | 444036 | 20.076 ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 15.04 | 165 | 114799 | 19.887 ng/ul# | 86 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 109166 | 19.690 ng/ul | 98 |
| 56) Diethylphthalate | 15.50 | 149 | 341360 | 18.800 ng/ul | 97 |
| 58) Fluorene | 15.74 | 166 | 354025 | 19.872 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.72 | 204 | 207506 | 20.059 ng/ul | 99 |
| 60) 4-Nitroaniline | 15.75 | 138 | 60565 | 17.169 ng/ul | 99 |
| 63) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 63841 | 18.538 ng/ul | 98 |
| 64) N-Nitrosodiphenylamine | 15.93 | 169 | 320013 | 21.650 ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.62 | 248 | 144350 | 21.885 ng/ul | 96 |
| 66) Hexachlorobenzene | 16.75 | 284 | 148507 | 22.418 ng/ul | 93 |
| 67) Atrazine | 16.89 | 200 | 123533 | 19.942 ng/ul | 98 |
| 68) Pentachlorophenol | 17.09 | 266 | 72546 | 20.107 ng/ul | 98 |
| 69) Phenanthrene | 17.48 | 178 | 564225 | 20.687 ng/ul | 100 |
| 71) Anthracene | 17.57 | 178 | 572516 | 20.696 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.48 | 216 | 187861 | 23.662 ng/uL | 99 |
| 73) Pentachlorobenzene | 15.01 | 250 | 187674 | 23.379 ng/uL | 98 |
| 74) Carbazole | 17.84 | 167 | 488901 | 21.336 ng/ul | 100 |
| 75) Di-n-butylphthalate | 18.40 | 149 | 561331 | 19.875 ng/ul | 99 |
| 76) Fluoranthene | 19.49 | 202 | 688665 | 21.853 ng/ul | 98 |
| 79) Pyrene | 19.85 | 202 | 678021 | 20.622 ng/ul | 98 |
| 80) Butylbenzylphthalate | 20.74 | 149 | 253326 | 19.575 ng/ul | 95 |
| 81) 3,3'-Dichlorobenzidine | 21.61 | 252 | 256707 | 23.107 ng/ul# | 98 |
| 82) Benzo(a)anthracene | 21.70 | 228 | 694839 | 20.503 ng/ul | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 347137 | 19.660 ng/ul | 99 |
| 84) Chrysene | 21.77 | 228 | 641719 | 20.288 ng/ul | 98 |
| 86) Di-n-octyl phthalate | 22.84 | 149 | 607374 | 21.594 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 23.95 | 252 | 714919 | 20.039 ng/ul | 99 |
| 88) Benzo(k)fluoranthene | 24.02 | 252 | 702121 | 20.469 ng/ul | 100 |
| 90) Benzo(a)pyrene | 24.84 | 252 | 691187 | 20.331 ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 28.72 | 276 | 720771 | 18.177 ng/ul | 97 |
| 92) Dibenzo(a,h)anthracene | 28.79 | 278 | 591227 | 18.279 ng/ul | 99 |
| 93) Benzo(g,h,i)perylene | 29.89 | 276 | 533246 | 16.107 ng/ul | 98 |

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