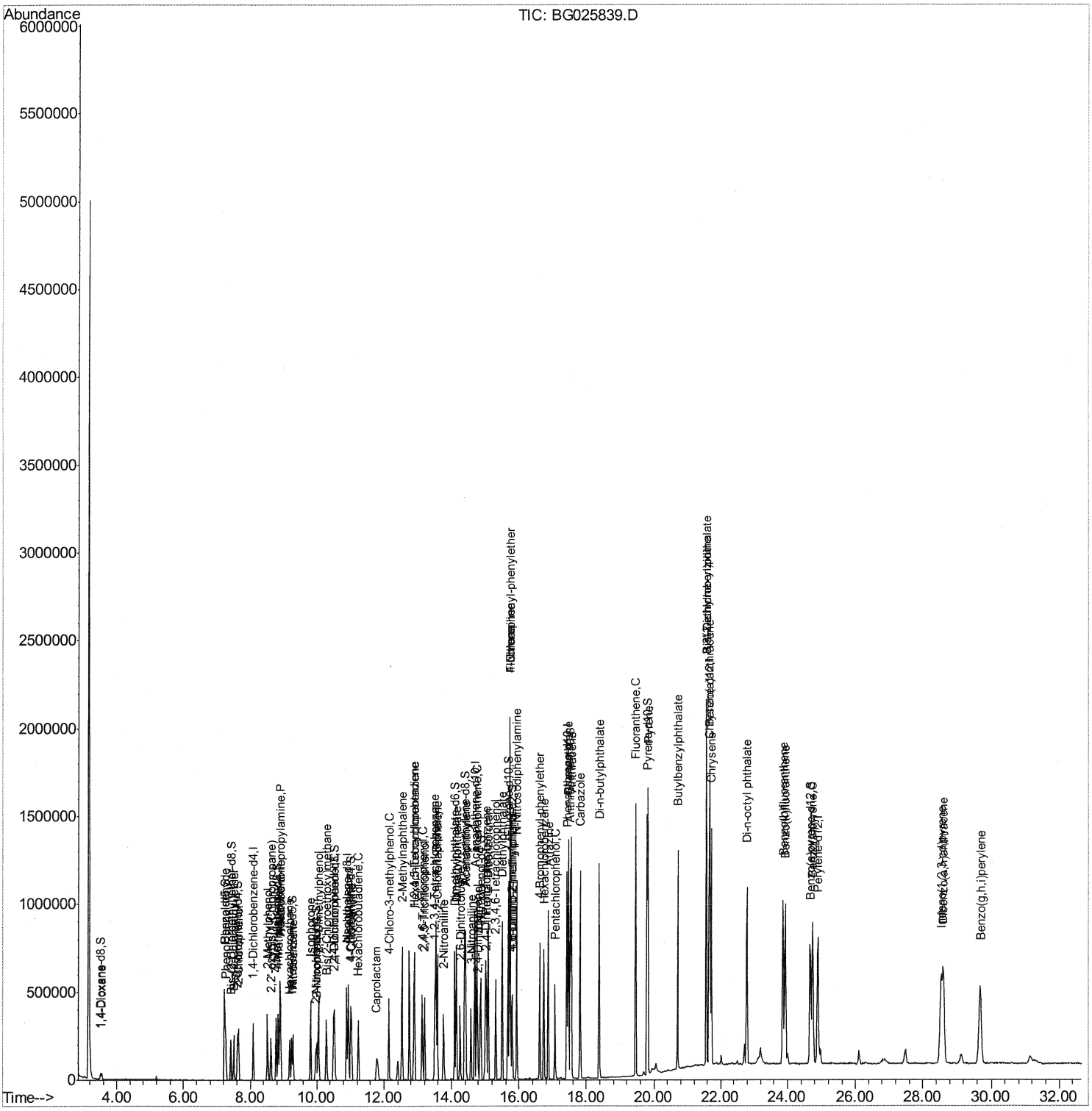
Data Path : Z:\HPCHEM1\BNA G\Data\BG021317\
Data File : BG025839.D
Acq On : 13 Feb 2017 9:46
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 13:12:49 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG021017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 10 22:04:56 2017
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations APPROVED
mohammad
2/13/2017 2:58:03 PM

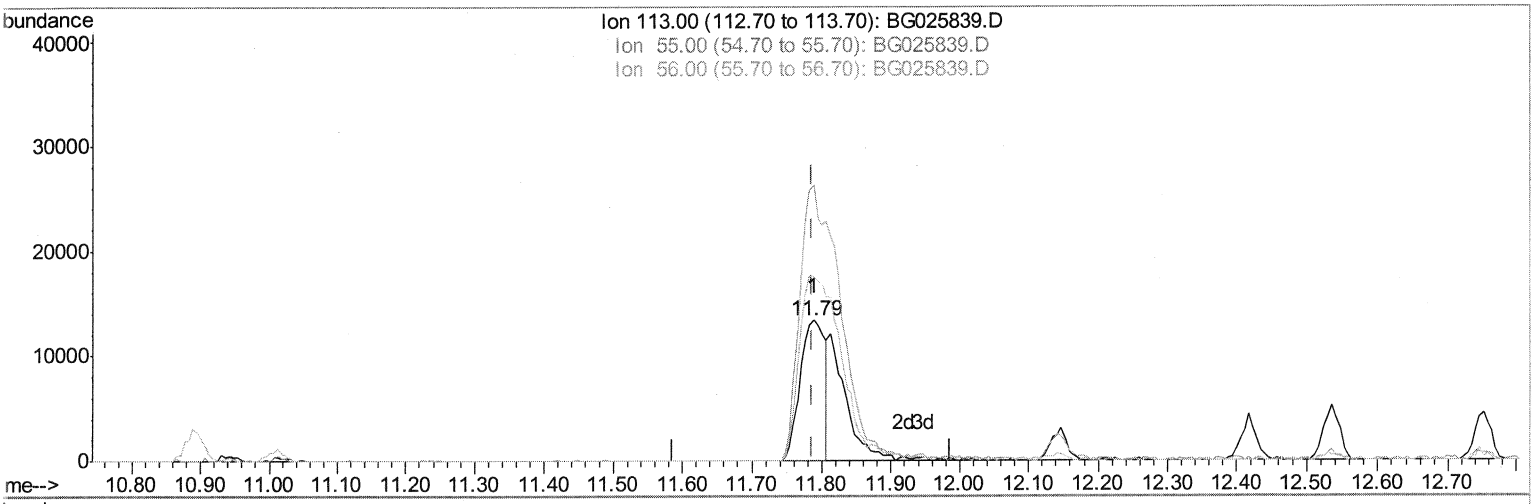


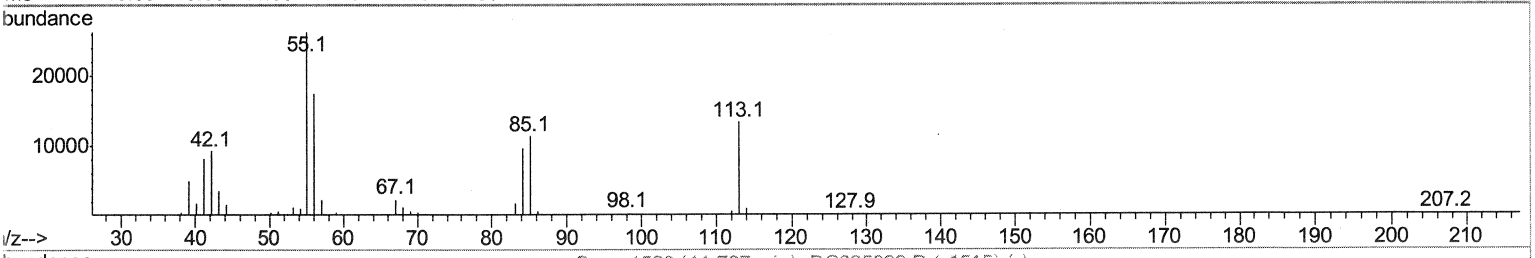
Data Path : Z:\HPCHEM1\BNA G\Data\BG021317\
Data File : BG025839.D
Acq On : 13 Feb 2017 9:46
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

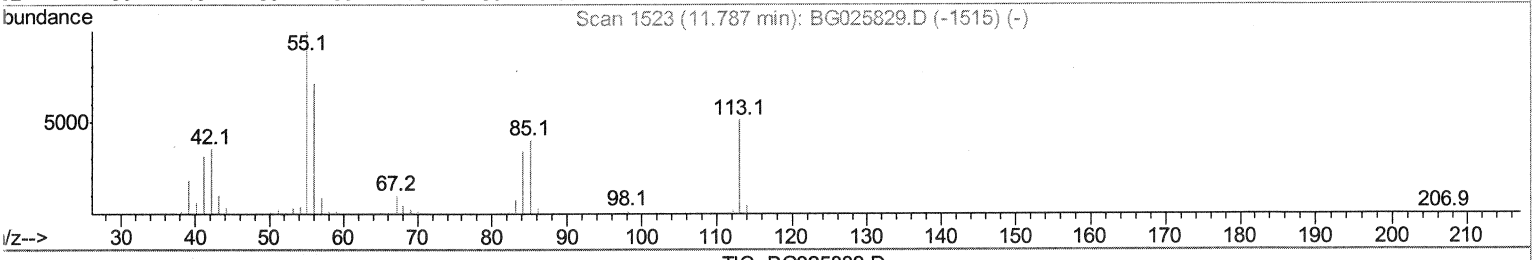
Quant Time: Feb 13 13:06:37 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG021017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 10 22:04:56 2017
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations APPROVED
mohammad
2/13/2017 2:58:03 PM







TIC: BG025839.D

(32) Caprolactam

11.789min (+0.002) 11.99ng/ul

response 33411

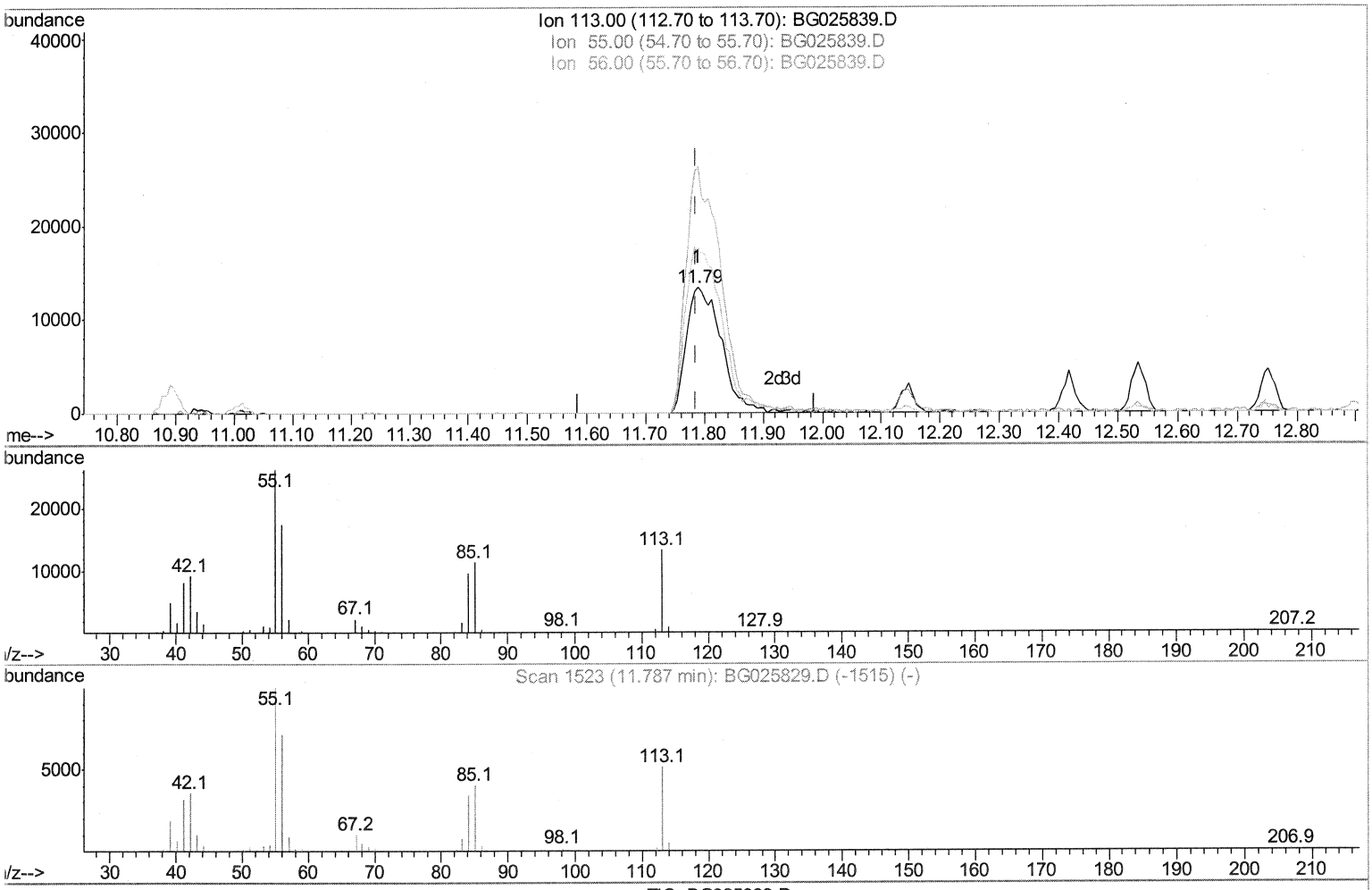
Ion	Exp%	Act%
113.00	100	100
55.00	127.40	197.09#
56.00	101.50	131.48#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG021317\
Data File : BG025839.D
Acq On : 13 Feb 2017 9:46
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 13 13:06:37 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG021017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 10 22:04:56 2017
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations APPROVED
mohammad
2/13/2017 2:58:03 PM



TIC: BG025839.D

(32) Caprolactam

11.789min (+0.002) 19.58ng/ul m SJ 2/13/17

response 54564

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	197.09#
56.00	101.50	131.48#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG021317\
Data File : BG025839.D
Acq On : 13 Feb 2017 9:46
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations APPROVED
mohammad
2/13/2017 2:58:03 PM

Quant Time: Feb 13 13:12:49 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG021017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 10 22:04:56 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	92501	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	473979	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	346399	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.42	188	760481	20.00	ng/ul	0.00
77) Chrysene-d12	21.68	240	756460	20.00	ng/ul	0.00
85) Perylene-d12	24.89	264	741036	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.52	96	16908	8.17	ng/uL	0.00
5) Phenol-d5	7.24	99	177635	20.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	110483	20.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	138906	21.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	147767	20.49	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	63449	20.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	70157	21.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	146244	20.82	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	199990	22.29	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	522298	20.57	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	615691	21.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.86	143	105645	21.78	ng/ul	0.00
57) Fluorene-d10	15.68	176	464605	20.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.78	200	76356	19.68	ng/ul	0.00
70) Anthracene-d10	17.52	188	721702	20.92	ng/ul	0.00
78) Pyrene-d10	19.79	212	769939	21.34	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.67	264	683644	20.77	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.56	88	16670	7.65	ng/uL#	59
4) Benzaldehyde	7.22	77	118251	22.19	ng/ul	97
6) Phenol	7.26	94	187297	20.57	ng/ul	94
8) Bis(2-Chloroethyl)ether	7.51	93	140967	20.82	ng/ul#	81
10) 2-Chlorophenol	7.65	128	135368	21.02	ng/ul#	89
11) 2-Methylphenol	8.52	108	143219	20.50	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.62	45	200206	21.02	ng/ul#	85
14) Acetophenone	8.90	105	228656	20.98	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.89	70	115613	21.19	ng/ul	93
16) 4-Methylphenol	8.85	108	161608	20.68	ng/ul	97
17) Hexachloroethane	9.18	117	47079	20.32	ng/ul	94
20) Nitrobenzene	9.29	77	150784	20.97	ng/ul	100
21) Isophorone	9.81	82	340762	21.12	ng/ul#	97
23) 2-Nitrophenol	10.00	139	77410	21.78	ng/ul#	92
24) 2,4-Dimethylphenol	10.05	107	169799	21.14	ng/ul	94
25) Bis(2-Chloroethoxy)methane	10.29	93	203198	20.48	ng/ul	97
27) 2,4-Dichlorophenol	10.53	162	142117	20.62	ng/ul	99
28) Naphthalene	10.94	128	482379	20.66	ng/ul	98
30) 4-Chloroaniline	11.04	127	195480	22.58	ng/ul	99
31) Hexachlorobutadiene	11.24	225	81194	20.59	ng/ul	97
32) Caprolactam	11.79	113	54564m	19.58	ng/ul	
33) 4-Chloro-3-methylphenol	12.15	107	172987	21.66	ng/ul	95
34) 2-Methylnaphthalene	12.53	142	378066	20.61	ng/ul	99

SJ 2/13/17

Data Path : Z:\HPCHEM1\BNA G\Data\BG021317\
Data File : BG025839.D
Acq On : 13 Feb 2017 9:46
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations APPROVED
mohammad
2/13/2017 2:58:03 PM

Quant Time: Feb 13 13:12:49 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG021017MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 10 22:04:56 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.90	216	169261	20.03 ng/ul	96
37) Hexachlorocyclopentadiene	12.89	237	95288	19.30 ng/ul	99
38) 2,4,6-Trichlorophenol	13.13	196	116729	21.12 ng/ul	99
39) 2,4,5-Trichlorophenol	13.20	196	126692	20.65 ng/ul	97
40) 1,1'-Biphenyl	13.53	154	507890	20.52 ng/ul	98
41) 2-Chloronaphthalene	13.57	162	370701	20.65 ng/ul	95
42) 2-Nitroaniline	13.76	65	111202	22.35 ng/ul	85
44) Dimethylphthalate	14.14	163	512053	20.88 ng/ul	99
45) 2,6-Dinitrotoluene	14.26	165	94294	22.12 ng/ul	96
47) Acenaphthylene	14.42	152	624812	20.94 ng/ul	98
48) 3-Nitroaniline	14.58	138	108282	22.45 ng/ul	99
49) Acenaphthene	14.76	153	435841	20.53 ng/ul	99
50) 2,4-Dinitrophenol	14.78	184	47857	19.76 ng/ul#	74
52) 4-Nitrophenol	14.87	109	63144	21.85 ng/ul#	60
53) Dibenzofuran	15.08	168	621401	20.73 ng/ul	94
54) 2,4-Dinitrotoluene	15.03	165	140883	22.59 ng/ul	96
55) 2,3,4,6-Tetrachlorophenol	15.31	232	120917	21.19 ng/ul	94
56) Diethylphthalate	15.50	149	536112	21.06 ng/ul	98
58) Fluorene	15.73	166	516307	20.67 ng/ul	97
59) 4-Chlorophenyl-phenylether	15.73	204	242216	20.84 ng/ul	93
60) 4-Nitroaniline	15.74	138	128316	22.48 ng/ul#	78
63) 4,6-Dinitro-2-methylphenol	15.80	198	82780	19.90 ng/ul#	90
64) N-Nitrosodiphenylamine	15.93	169	458113	20.85 ng/ul	95
65) 4-Bromophenyl-phenylether	16.61	248	154799	20.48 ng/ul#	89
66) Hexachlorobenzene	16.74	284	162122	20.28 ng/ul	93
67) Atrazine	16.87	200	167227	21.08 ng/ul	98
68) Pentachlorophenol	17.07	266	101458	20.10 ng/ul	97
69) Phenanthrene	17.46	178	840471	20.54 ng/ul	99
71) Anthracene	17.55	178	851724	20.74 ng/ul	98
72) 1,2,3,4-Tetrachlorobenzene	13.50	216	165031	19.84 ng/uL	98
73) Pentachlorobenzene	15.01	250	179224	20.54 ng/uL	96
74) Carbazole	17.82	167	815653	22.06 ng/ul	97
75) Di-n-butylphthalate	18.38	149	911963	21.58 ng/ul	99
76) Fluoranthene	19.46	202	947105	22.28 ng/ul	96
79) Pyrene	19.82	202	970000	21.28 ng/ul	95
80) Butylbenzylphthalate	20.71	149	374797	22.21 ng/ul	98
81) 3,3'-Dichlorobenzidine	21.57	252	306049	22.47 ng/ul	98
82) Benzo(a)anthracene	21.65	228	893456	21.00 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.57	149	554422	22.04 ng/ul	98
84) Chrysene	21.72	228	841009	20.72 ng/ul	98
86) Di-n-octyl phthalate	22.79	149	935042	21.69 ng/ul	97
87) Benzo(b)fluoranthene	23.87	252	883249	20.51 ng/ul	98
88) Benzo(k)fluoranthene	23.94	252	851531	20.53 ng/ul	98
90) Benzo(a)pyrene	24.74	252	857892	20.80 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.55	276	1003744	20.62 ng/ul	92
92) Dibenzo(a,h)anthracene	28.62	278	828681	20.59 ng/ul	97
93) Benzo(g,h,i)perylene	29.70	276	821085	20.34 ng/ul	100

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