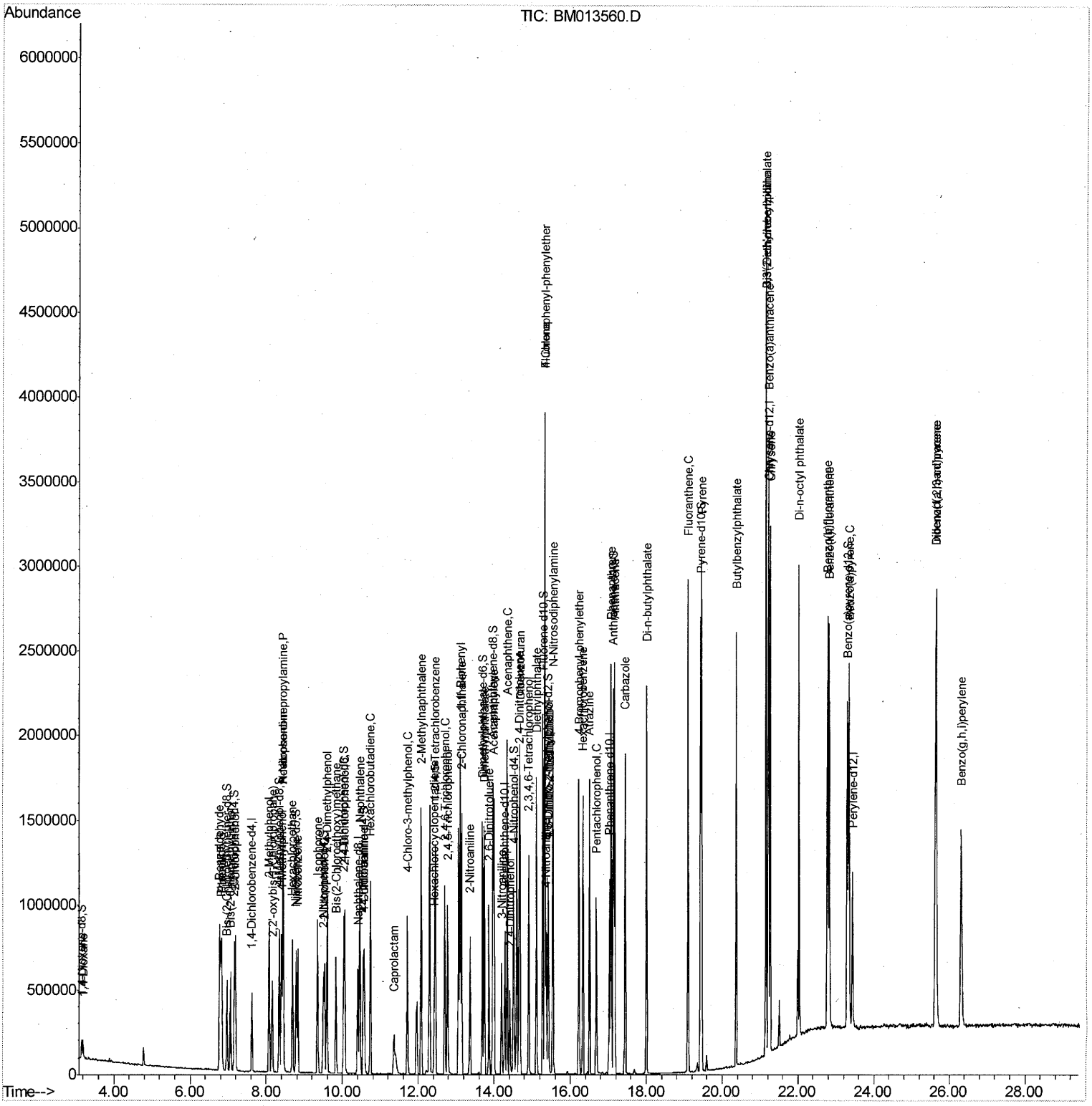
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_M\Data\BM011018\
Data File : BM013560.D
Acq On : 10 Jan 2018 11:01
Operator : SJ/JU
Sample : SSTD04011
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 10 12:30:17 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 12:03:11 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04011

Manual Integrations APPROVED
Sohil
1/10/2018 5:55:13 PM

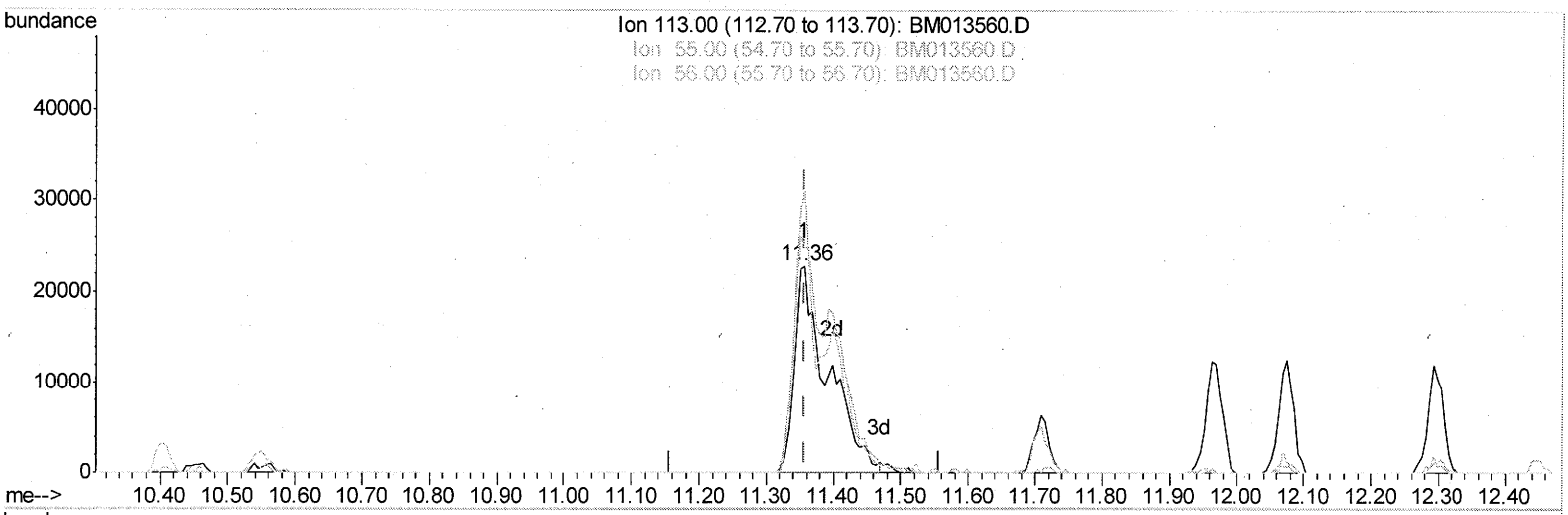


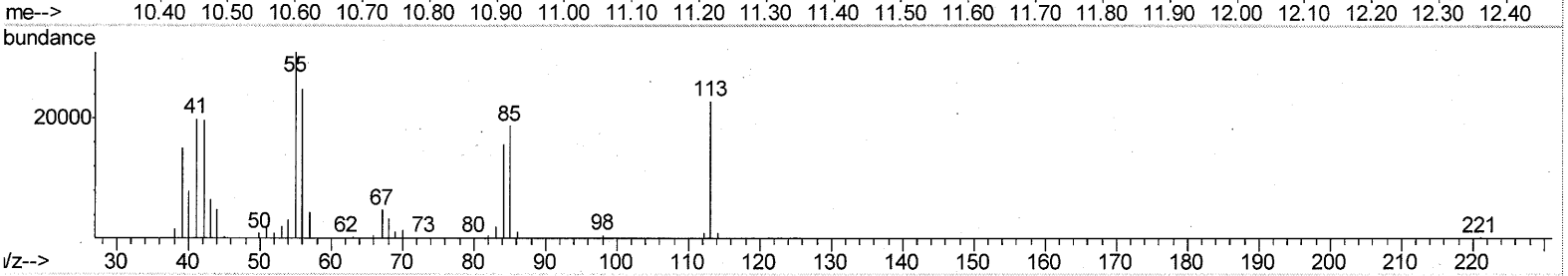
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_M\Data\BM011018\
Data File : BM013560.D
Acq On : 10 Jan 2018 11:01
Operator : SJ/JU
Sample : SSTD04011
Misc :
ALS Vial : 5 Sample Multiplier: 1

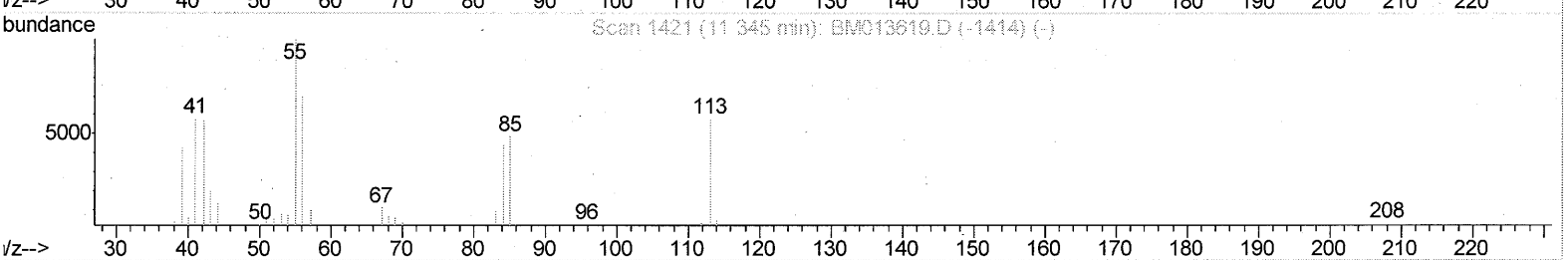
Quant Time: Jan 10 12:30:17 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 12:03:11 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04011

Manual Integrations APPROVED
Sohil
1/10/2018 5:55:13 PM







TIC: BM013560.D

(32) Caprolactam

11.357min (-0.000) 34.71ng/ul m JU 01/10/18

response 80052

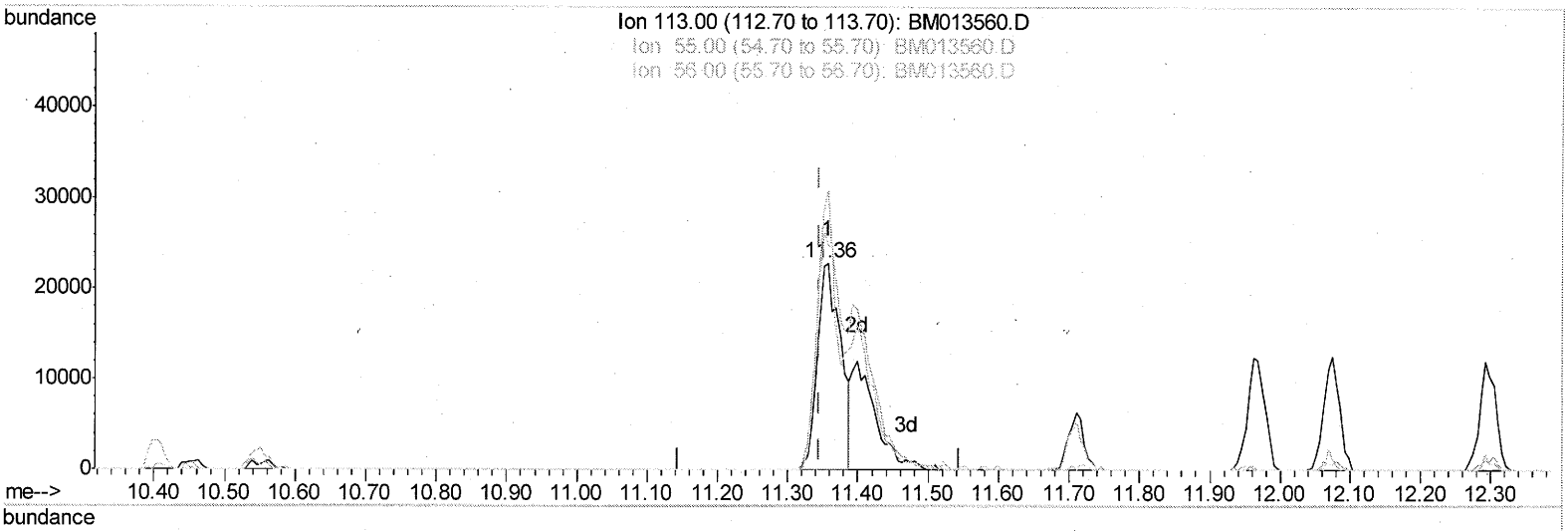
Ion	Exp%	Act%
113.00	100	100
55.00	260.00	135.65#
56.00	200.00	108.96#
0.00	0.00	0.00

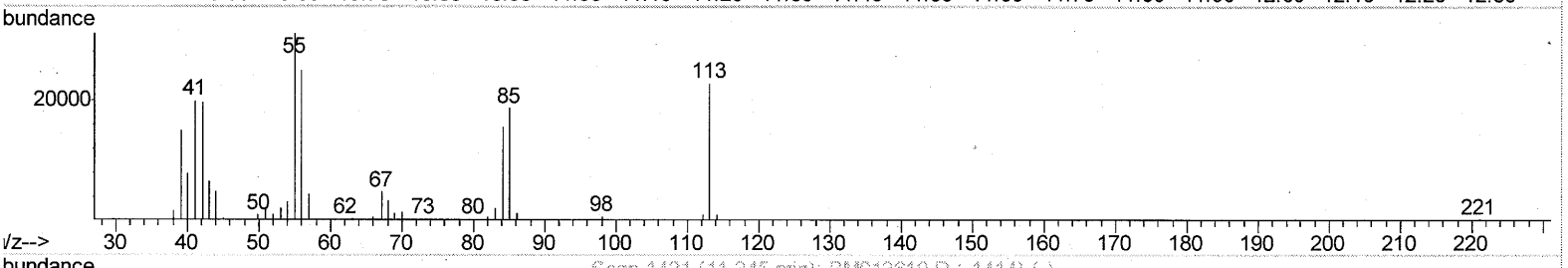
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_M\Data\BM011018\
Data File : BM013560.D
Acq On : 10 Jan 2018 11:01
Operator : SJ/JU
Sample : SSTD04011
Misc :
ALS Vial : 5 Sample Multiplier: 1

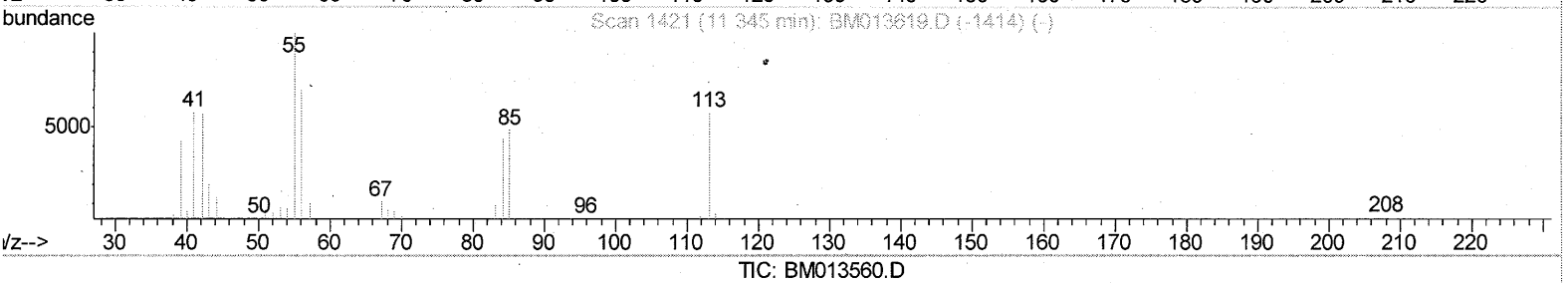
Quant Time: Jan 18 11:17:27 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 17 00:57:07 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04011

Manual Integrations APPROVED
Sohil
1/10/2018 5:55:13 PM







TIC: BM013560.D

(32) Caprolactam

11.357min (+0.012) 27.62ng/ul

response 52398

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	135.65#
56.00	200.00	108.96#
0.00	0.00	0.00

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_M\Data\BM011018\
Data File : BM013560.D
Acq On : 10 Jan 2018 11:01
Operator : SJ/JU
Sample : SSTD04011
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 10 12:30:17 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 12:03:11 2018
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : SSTD04011

Manual Integrations APPROVED
Sohil
1/10/2018 5:55:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	113436	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	446722	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	265049	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	611619	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	680221	20.00	ng/ul	0.00
83) Perylene-d12	23.43	264	658997	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.16	96	43065	18.80	ng/uL	0.00
5) Phenol-d5	6.81	99	356920	36.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	213672	38.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	297170	38.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	274639	32.76	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	144223	40.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	155070	40.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	302024	38.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	292859	40.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	885025	37.52	ng/ul	0.00
46) Acenaphthylene-d8	13.97	160	1151748	39.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	148088	36.14	ng/ul	0.00
57) Fluorene-d10	15.27	176	786533	38.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	153132	39.80	ng/ul	0.00
70) Anthracene-d10	17.13	188	1241131	40.52	ng/ul	0.00
76) Pyrene-d10	19.43	212	1342220	39.61	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.29	264	1271334	37.87	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	47492	18.470	ng/uL#	64
4) Benzaldehyde	6.78	77	265246	54.618	ng/ul#	87
6) Phenol	6.83	94	356071	36.700	ng/ul#	87
8) Bis(2-Chloroethyl)ether	7.06	93	280428	37.803	ng/ul	98
10) 2-Chlorophenol	7.19	128	291019	38.699	ng/ul	95
11) 2-Methylphenol	8.07	108	259236	34.547	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.16	45	284618	36.541	ng/ul#	80
14) Acetophenone	8.45	105	450461	35.327	ng/ul	90
15) N-Nitroso-di-n-propylamine	8.44	70	225764	35.150	ng/ul#	73
16) 4-Methylphenol	8.40	108	284094	35.404	ng/ul	93
17) Hexachloroethane	8.69	117	139608	42.641	ng/ul#	74
20) Nitrobenzene	8.82	77	362053	40.570	ng/ul	96
21) Isophorone	9.35	82	600075	38.214	ng/ul	96
23) 2-Nitrophenol	9.53	139	160560	40.847	ng/ul#	82
24) 2,4-Dimethylphenol	9.59	107	336618	39.264	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.83	93	364967	39.712	ng/ul	93
27) 2,4-Dichlorophenol	10.06	162	285978	39.625	ng/ul	95
28) Naphthalene	10.45	128	917482	39.919	ng/ul	98
30) 4-Chloroaniline	10.57	127	284227	40.883	ng/ul	91
31) Hexachlorobutadiene	10.73	225	223509	42.755	ng/ul	94
32) Caprolactam	11.36	113	80052m	> 34.706	ng/ul	> 97
33) 4-Chloro-3-methylphenol	11.71	107	293659	37.092	ng/ul	97
34) 2-Methylnaphthalene	12.07	142	684181	39.600	ng/ul	97

JU 01/18/18

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA_M\Data\BM011018\
Data File : BM013560.D
Acq On : 10 Jan 2018 11:01
Operator : SJ/JU
Sample : SSTD04011
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 10 12:30:17 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 12:03:11 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04011

Manual Integrations APPROVED
Sohil
1/10/2018 5:55:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.45	216	397662	41.579	ng/ul	99
37) Hexachlorocyclopentadiene	12.42	237	169326	26.899	ng/ul	99
38) 2,4,6-Trichlorophenol	12.70	196	244114	40.942	ng/ul	95
39) 2,4,5-Trichlorophenol	12.77	196	250077	39.485	ng/ul	95
40) 1,1'-Biphenyl	13.10	154	907443	40.510	ng/ul	99
41) 2-Chloronaphthalene	13.14	162	711226	40.470	ng/ul	98
42) 2-Nitroaniline	13.36	65	201689	39.171	ng/ul	94
44) Dimethylphthalate	13.75	163	858671	38.064	ng/ul	100
45) 2,6-Dinitrotoluene	13.86	165	179842	39.088	ng/ul	98
47) Acenaphthylene	14.00	152	1058091	39.283	ng/ul	99
48) 3-Nitroaniline	14.20	138	145429	35.363	ng/ul	81
49) Acenaphthene	14.34	153	720902	39.290	ng/ul	99
50) 2,4-Dinitrophenol	14.41	184	94062	36.944	ng/ul#	85
52) 4-Nitrophenol	14.52	109	145357	36.157	ng/ul#	82
53) Dibenzofuran	14.68	168	1075902	39.720	ng/ul	98
54) 2,4-Dinitrotoluene	14.66	165	262315	39.194	ng/ul	95
55) 2,3,4,6-Tetrachlorophenol	14.91	232	236097	40.657	ng/ul#	87
56) Diethylphthalate	15.12	149	891123	39.386	ng/ul	95
58) Fluorene	15.33	166	892578	39.832	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.33	204	466498	38.356	ng/ul	97
60) 4-Nitroaniline	15.36	138	165049	34.016	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.43	198	161650	42.043	ng/ul	96
64) N-Nitrosodiphenylamine	15.55	169	753000	41.794	ng/ul	96
65) 4-Bromophenyl-phenylether	16.22	248	299292	41.627	ng/ul	95
66) Hexachlorobenzene	16.33	284	314155	39.622	ng/ul#	89
67) Atrazine	16.50	200	297500	44.736	ng/ul	92
68) Pentachlorophenol	16.68	266	172063	37.520	ng/ul	94
69) Phenanthrene	17.07	178	1391957	40.059	ng/ul	99
71) Anthracene	17.16	178	1461317	41.144	ng/ul	99
72) Carbazole	17.44	167	1185194	38.795	ng/ul	100
73) Di-n-butylphthalate	18.00	149	1474016	41.331	ng/ul	99
74) Fluoranthene	19.09	202	1660068	38.985	ng/ul#	92
77) Pyrene	19.46	202	1751893	42.393	ng/ul#	91
78) Butylbenzylphthalate	20.37	149	649007	40.194	ng/ul	94
79) 3,3'-Dichlorobenzidine	21.14	252	503717	35.227	ng/ul#	95
80) Benzo(a)anthracene	21.21	228	1724096	39.948	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.14	149	969302	39.827	ng/ul#	98
82) Chrysene	21.26	228	1526021	38.112	ng/ul	100
84) Di-n-octyl phthalate	22.02	149	1601407	34.173	ng/ul	99
85) Benzo(b)fluoranthene	22.77	252	1747995	39.348	ng/ul#	97
86) Benzo(k)fluoranthene	22.81	252	1584830	37.909	ng/ul#	98
88) Benzo(a)pyrene	23.33	252	1593110	39.921	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.63	276	1828861	46.188	ng/ul#	94
90) Dibenzo(a,h)anthracene	25.64	278	1540213	45.683	ng/ul#	95
91) Benzo(g,h,i)perylene	26.31	276	1499617	48.014	ng/ul#	95

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