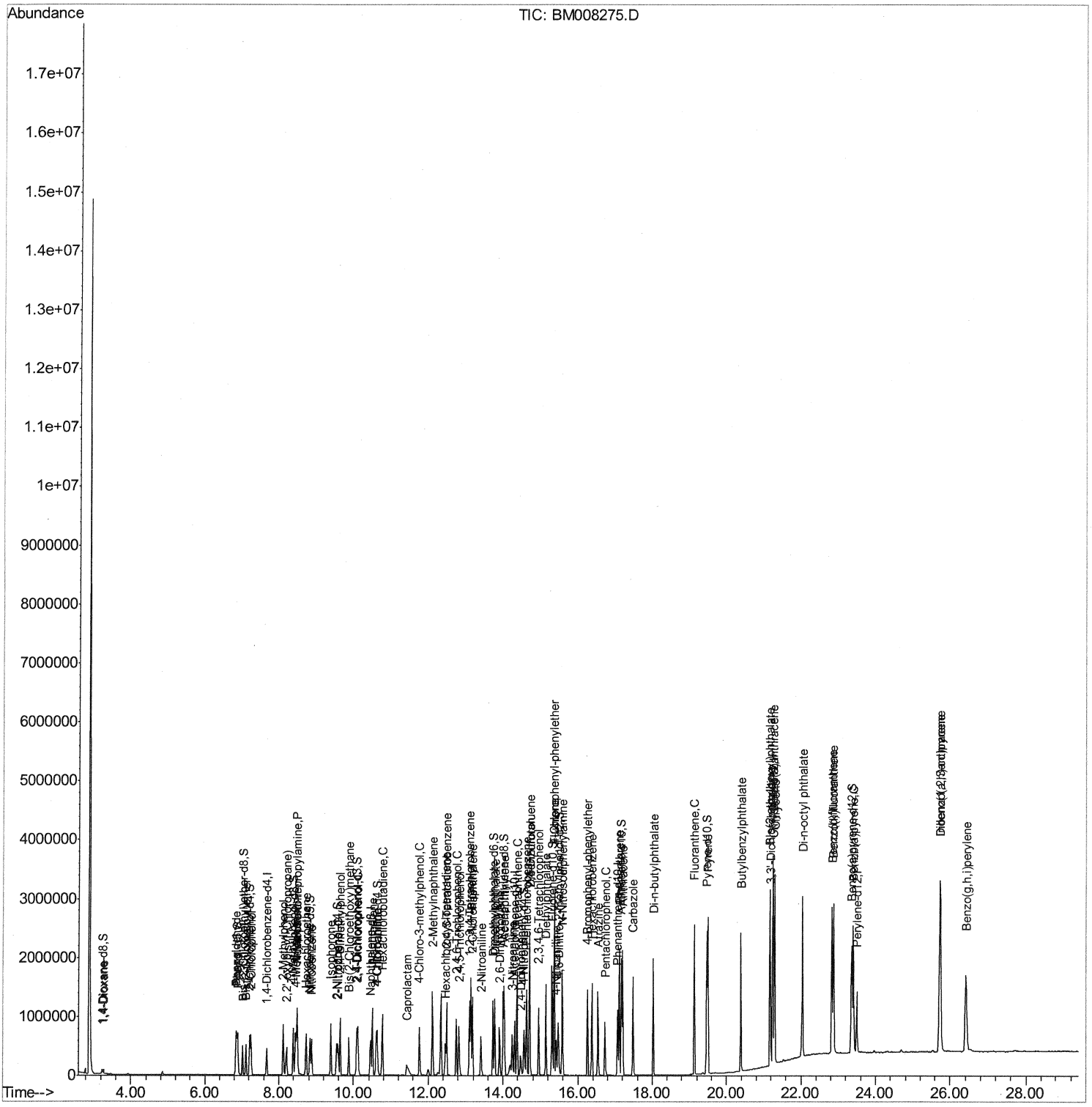
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008275.D
Acq On : 13 Dec 2016 16:36
Operator : UM/SJ
Sample : SSTD04038
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 13 17:23:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1213
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04038

Manual Integrations APPROVED
sohil
12/14/2016 6:14:32 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
Data File : BM008275.D
Acq On : 13 Dec 2016 16:36
Operator : UM/SJ
Sample : SSTD04038
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 13 17:15:57 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12131
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04038

Manual Integrations APPROVED
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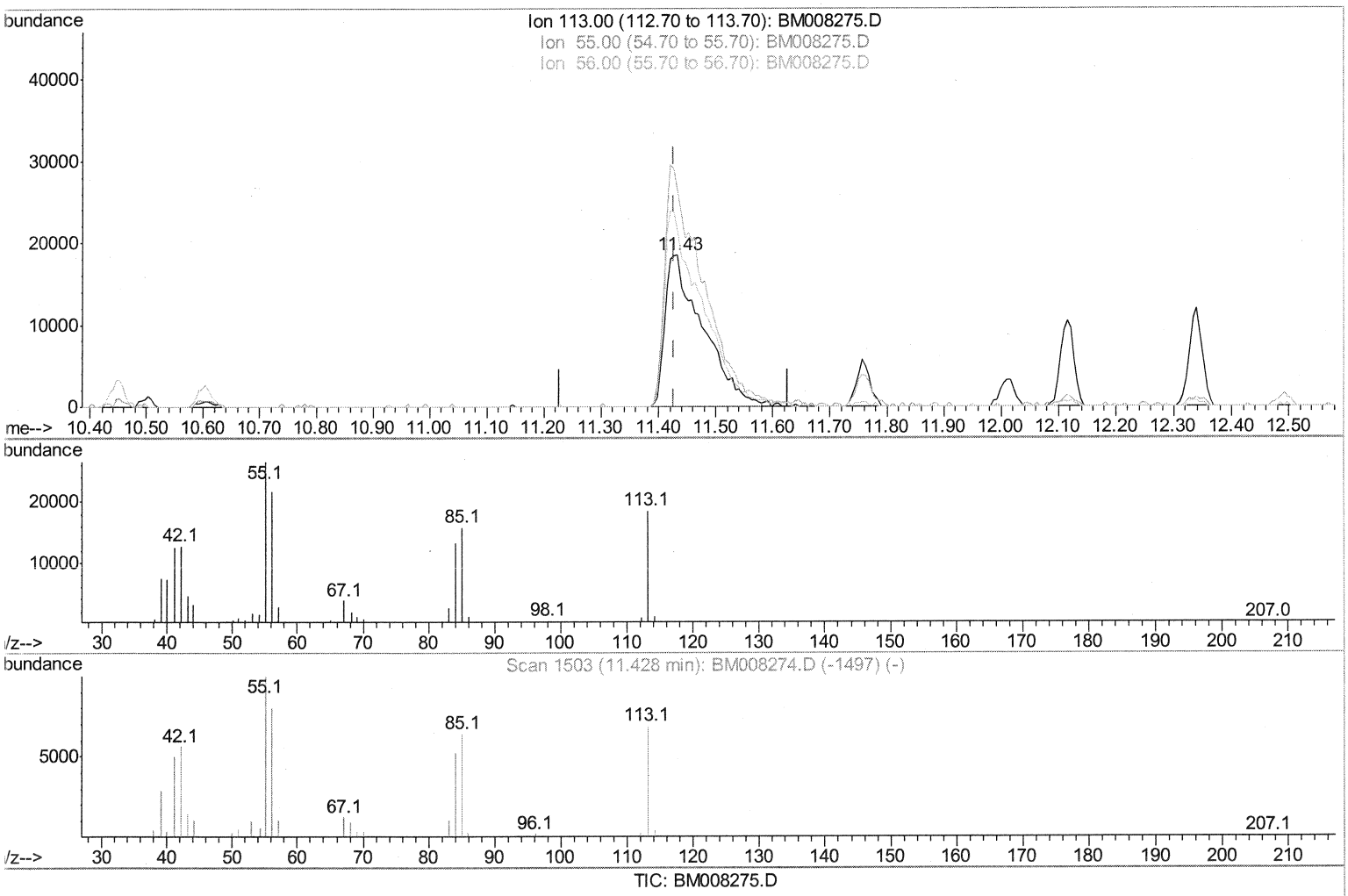
12/14/2016 6:14:32 PM



TIC: BM008275.D

(32) Caprolactam

11.433min (+0.006) 31.39ng/ul

response 84305

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	143.62
56.00	101.50	117.27
0.00	0.00	0.00

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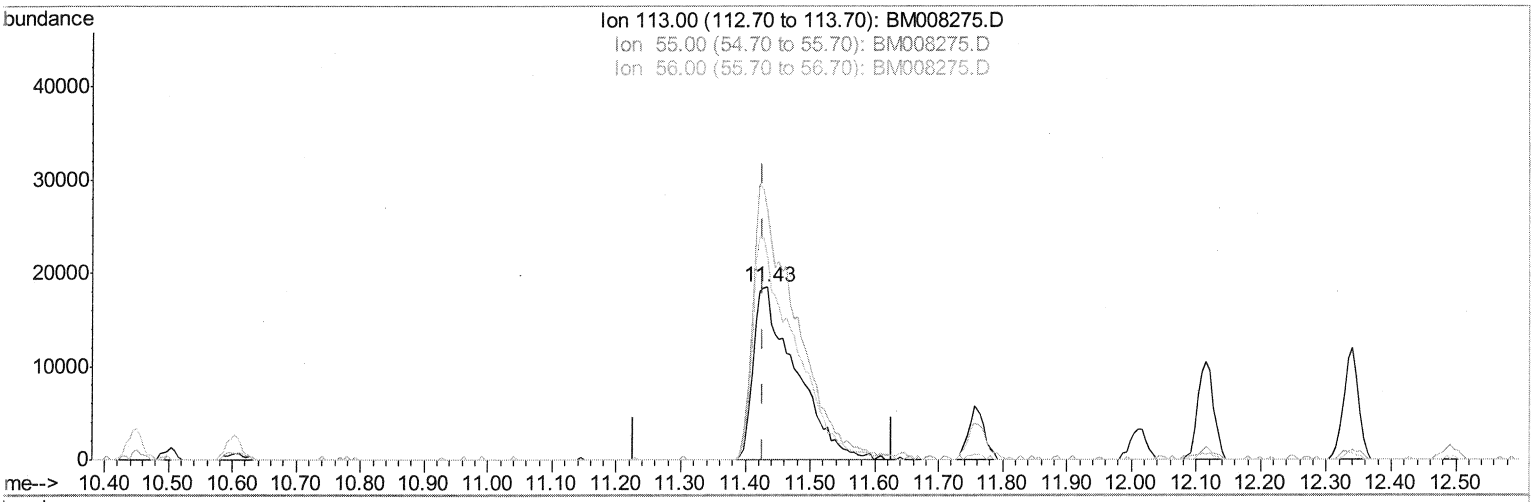
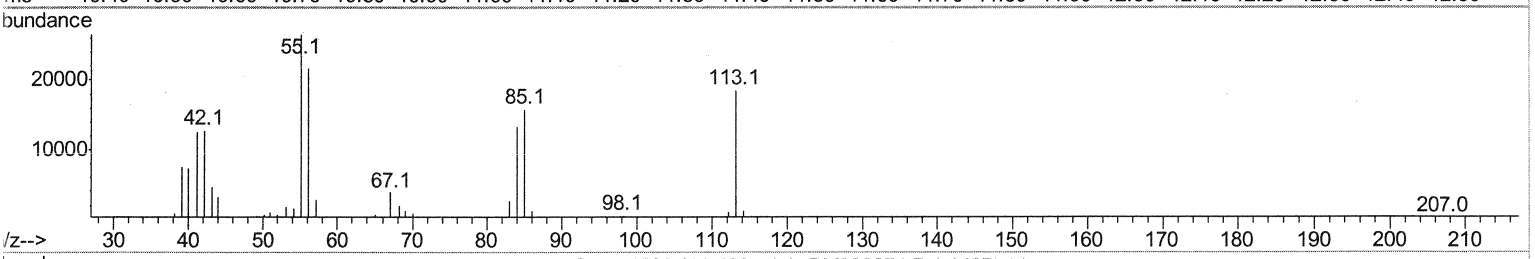
Data File : BM008275.D
Acq On : 13 Dec 2016 16:36
Operator : UM/SJ
Sample : SSTD04038
Misc :
ALS Vial : 5 Sample Multiplier: 1

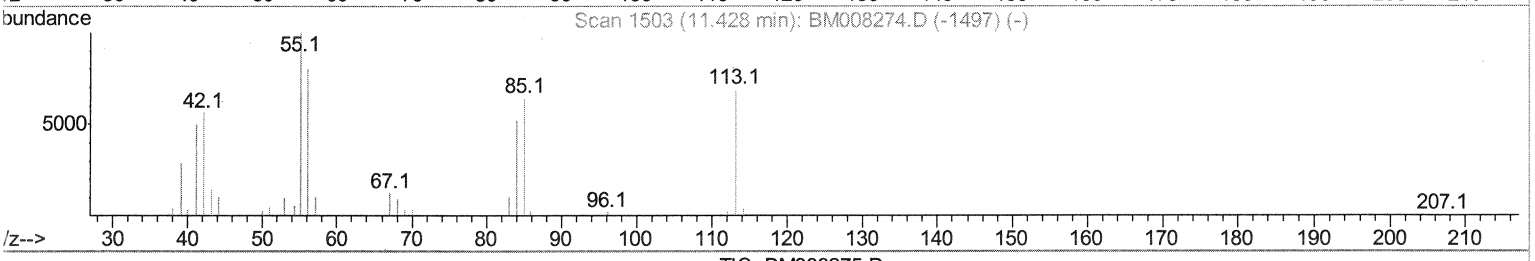
Quant Time: Dec 13 17:15:57 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM1213
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD04038

Manual Integrations APPROVED
sohil
12/14/2016 6:14:32 PM







TIC: BM008275.D

(32) Caprolactam

11.433min (+0.006) 31.55ng/ul m SJ 12/14/16

response 84724

Ion	Exp%	Act%
113.00	100	100
55.00	127.40	143.62
56.00	101.50	117.27
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121316\
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Sample : SSTD04038
Misc :
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Quant Time: Dec 13 17:23:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121316
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : SSTD04038

Manual Integrations APPROVED
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	Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1)	1,4-Dichlorobenzene-d4	7.67	152	120270	20.00	ng/ul	0.00
18)	Naphthalene-d8	10.45	136	467153	20.00	ng/ul	0.00
35)	Acenaphthene-d10	14.32	164	308752	20.00	ng/ul	0.00
61)	Phenanthrene-d10	17.07	188	621976	20.00	ng/ul	0.00
77)	Chrysene-d12	21.26	240	811194	20.00	ng/ul	0.00
85)	Perylene-d12	23.50	264	816422	20.00	ng/ul	0.00
	System Monitoring Compounds						
3)	1,4-Dioxane-d8	3.23	96	41579	13.99	ng/uL	0.00
5)	Phenol-d5	6.86	99	369705	34.59	ng/ul	0.00
7)	Bis-(2-Chloroethyl)ether-d	7.02	67	215245	37.17	ng/ul	0.00
9)	2-Chlorophenol-d4	7.21	132	288091	35.52	ng/ul	0.00
13)	4-Methylphenol-d8	8.39	113	286125	31.88	ng/ul	0.00
19)	Nitrobenzene-d5	8.83	128	139661	42.13	ng/ul	0.00
22)	2-Nitrophenol-d4	9.55	143	159023	43.15	ng/ul	0.00
26)	2,4-Dichlorophenol-d3	10.09	165	292190	42.52	ng/ul	0.00
29)	4-Chloroaniline-d4	10.60	131	334907	40.84	ng/ul	0.00
43)	Dimethylphthalate-d6	13.73	166	825198	33.88	ng/ul	0.00
46)	Acenaphthylene-d8	14.00	160	1001195	34.36	ng/ul	0.00
51)	4-Nitrophenol-d4	14.56	143	126881	26.35	ng/ul	0.00
57)	Fluorene-d10	15.31	176	712429	33.84	ng/ul	0.00
62)	4,6-Dinitro-2-methylphenol	15.47	200	145796	39.12	ng/ul	0.00
70)	Anthracene-d10	17.17	188	1110804	39.91	ng/ul	0.00
78)	Pyrene-d10	19.47	212	1283489	36.44	ng/ul	0.00
89)	Benzo(a)pyrene-d12	23.35	264	1394194	38.54	ng/ul	0.00
	Target Compounds						Qvalue
2)	1,4-Dioxane	3.27	88	46964	12.98	ng/uL	93
4)	Benzaldehyde	6.83	77	275088	55.21	ng/ul	91
6)	Phenol	6.89	94	384223	34.42	ng/ul	92
8)	Bis(2-Chloroethyl)ether	7.11	93	286756	33.90	ng/ul	93
10)	2-Chlorophenol	7.25	128	288914	33.83	ng/ul#	89
11)	2-Methylphenol	8.12	108	279532	31.74	ng/ul	97
12)	2,2'-oxybis(1-Chloropropan	8.21	45	330173	32.01	ng/ul	95
14)	Acetophenone	8.50	105	459842	33.88	ng/ul#	89
15)	N-Nitroso-di-n-propylamine	8.49	70	240355	34.99	ng/ul	95
16)	4-Methylphenol	8.45	108	303226	30.90	ng/ul	98
17)	Hexachloroethane	8.73	117	129929	39.68	ng/ul	90
20)	Nitrobenzene	8.87	77	361436	45.45	ng/ul	90
21)	Isophorone	9.40	82	639140	40.38	ng/ul	96
23)	2-Nitrophenol	9.58	139	162164	40.34	ng/ul#	86
24)	2,4-Dimethylphenol	9.64	107	350205	41.22	ng/ul	94
25)	Bis(2-Chloroethoxy)methane	9.87	93	368760	37.39	ng/ul	98
27)	2,4-Dichlorophenol	10.11	162	289708	40.82	ng/ul	97
28)	Naphthalene	10.50	128	893657	37.84	ng/ul	100
30)	4-Chloroaniline	10.63	127	337464	39.00	ng/ul	98
31)	Hexachlorobutadiene	10.77	225	226671	52.52	ng/ul	99
32)	Caprolactam	11.43	113	84724m	31.55	ng/ul	
33)	4-Chloro-3-methylphenol	11.76	107	313410	38.51	ng/ul	92
34)	2-Methylnaphthalene	12.12	142	643980	36.59	ng/ul	99

SJ 12/14/16

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Manual Integrations APPROVED
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12/14/2016 6:14:32 PM

Quant Time: Dec 13 17:23:33 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM12131
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 17:07:13 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.49	216	396497	41.49 ng/ul	99
37) Hexachlorocyclopentadiene	12.46	237	153613	27.04 ng/ul	97
38) 2,4,6-Trichlorophenol	12.75	196	232847	36.92 ng/ul	98
39) 2,4,5-Trichlorophenol	12.82	196	244135	35.20 ng/ul	100
40) 1,1'-Biphenyl	13.14	154	839898	33.50 ng/ul	99
41) 2-Chloronaphthalene	13.19	162	645185	34.17 ng/ul	97
42) 2-Nitroaniline	13.41	65	200337	36.84 ng/ul#	79
44) Dimethylphthalate	13.78	163	804958	32.44 ng/ul	99
45) 2,6-Dinitrotoluene	13.91	165	167172	34.64 ng/ul#	88
47) Acenaphthylene	14.03	152	1010391	32.57 ng/ul	100
48) 3-Nitroaniline	14.24	138	167808	34.01 ng/ul	88
49) Acenaphthene	14.38	153	690529	33.24 ng/ul	99
50) 2,4-Dinitrophenol	14.47	184	90782	28.34 ng/ul	91
52) 4-Nitrophenol	14.57	109	121240	30.72 ng/ul	86
53) Dibenzofuran	14.72	168	994729	32.99 ng/ul	98
54) 2,4-Dinitrotoluene	14.72	165	243196	33.48 ng/ul#	59
55) 2,3,4,6-Tetrachlorophenol	14.95	232	230853	37.46 ng/ul	91
56) Diethylphthalate	15.14	149	805309	32.06 ng/ul	98
58) Fluorene	15.37	166	815761	33.96 ng/ul	99
59) 4-Chlorophenyl-phenylether	15.36	204	432139	36.96 ng/ul	91
60) 4-Nitroaniline	15.42	138	148950	25.74 ng/ul#	82
63) 4,6-Dinitro-2-methylphenol	15.48	198	152507	38.17 ng/ul	97
64) N-Nitrosodiphenylamine	15.59	169	694977	38.53 ng/ul	99
65) 4-Bromophenyl-phenylether	16.26	248	281187	45.33 ng/ul	92
66) Hexachlorobenzene	16.37	284	312897	44.31 ng/ul#	89
67) Atrazine	16.54	200	275773	41.69 ng/ul	97
68) Pentachlorophenol	16.73	266	167709	38.19 ng/ul	99
69) Phenanthrene	17.11	178	1282837	37.40 ng/ul	99
71) Anthracene	17.20	178	1315507	38.26 ng/ul	99
72) 1,2,3,4-Tetrachlorobenzene	13.10	216	375167	46.42 ng/uL	98
73) Pentachlorobenzene	14.64	250	379603	47.00 ng/uL	100
74) Carbazole	17.48	167	1139200	37.13 ng/ul	98
75) Di-n-butylphthalate	18.03	149	1341974	36.83 ng/ul	99
76) Fluoranthene	19.13	202	1559089	40.91 ng/ul	96
79) Pyrene	19.50	202	1624711	35.00 ng/ul	95
80) Butylbenzylphthalate	20.40	149	615185	31.24 ng/ul	91
81) 3,3'-Dichlorobenzidine	21.19	252	595814	37.69 ng/ul#	98
82) Benzo(a)anthracene	21.25	228	1698857	36.52 ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.17	149	904073	32.14 ng/ul#	98
84) Chrysene	21.30	228	1626266	36.85 ng/ul	100
86) Di-n-octyl phthalate	22.04	149	1602075	33.15 ng/ul	98
87) Benzo(b)fluoranthene	22.83	252	1815385	38.80 ng/ul#	96
88) Benzo(k)fluoranthene	22.87	252	1666996	37.15 ng/ul#	97
90) Benzo(a)pyrene	23.40	252	1744747	38.45 ng/ul#	97
91) Indeno(1,2,3-cd)pyrene	25.73	276	2103435	38.87 ng/ul#	90
92) Dibenzo(a,h)anthracene	25.74	278	1765482	39.25 ng/ul#	93
93) Benzo(g,h,i)perylene	26.41	276	1733030	37.28 ng/ul#	91

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