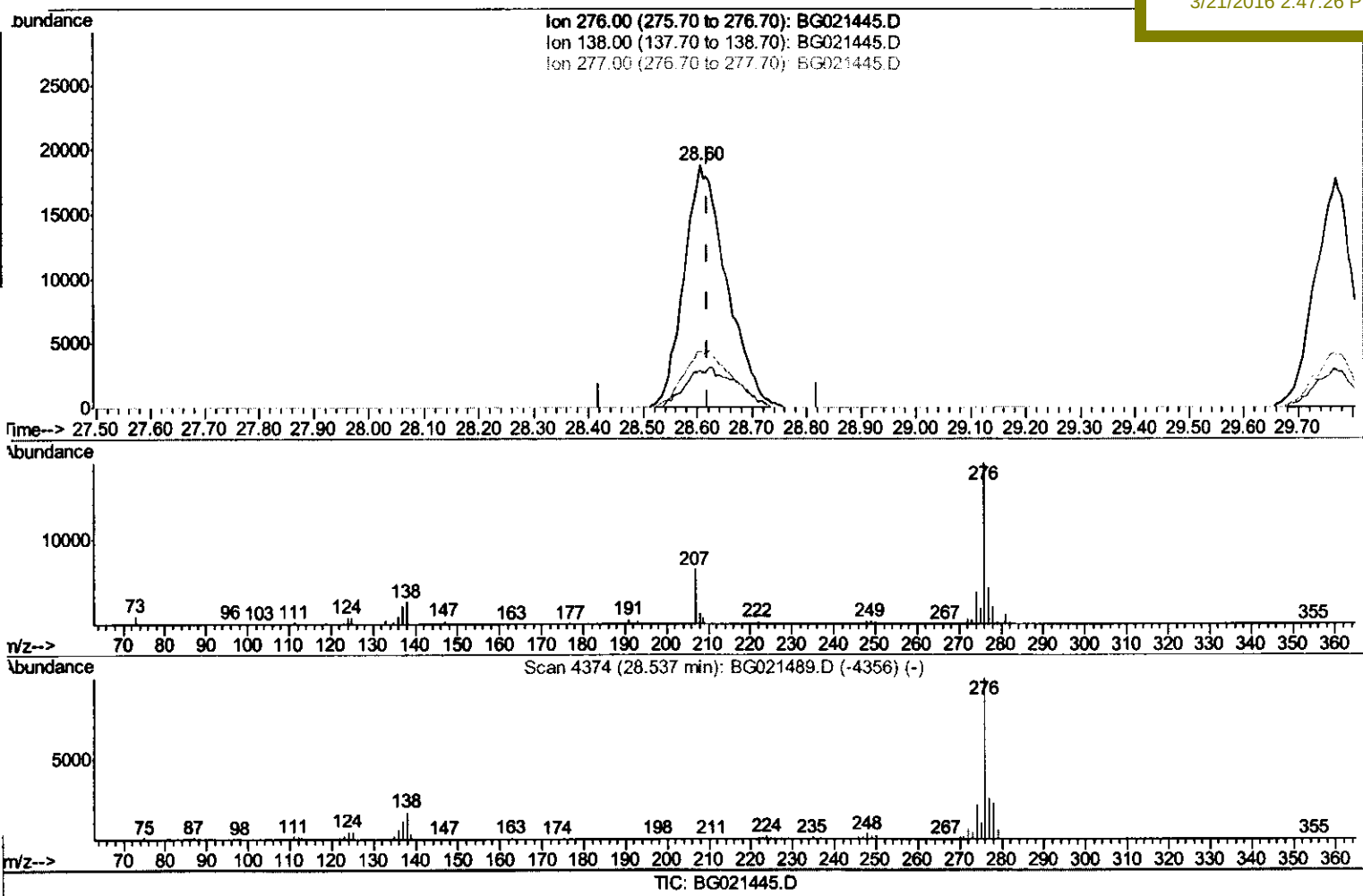
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG031816\
Data File : BG021445.D
Acq On : 18 Mar 2016 11:38
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 00:27:11 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 19 00:12:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
mohammad
3/21/2016 2:47:26 PM



TIC: BG021445.D

(92) Indeno(1,2,3-cd)pyrene

28.605min (-0.015) 19.45ng/ul m

U.M. 03/20/2016

response 101160

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	14.83#
277.00	23.80	23.29
0.00	0.00	0.00

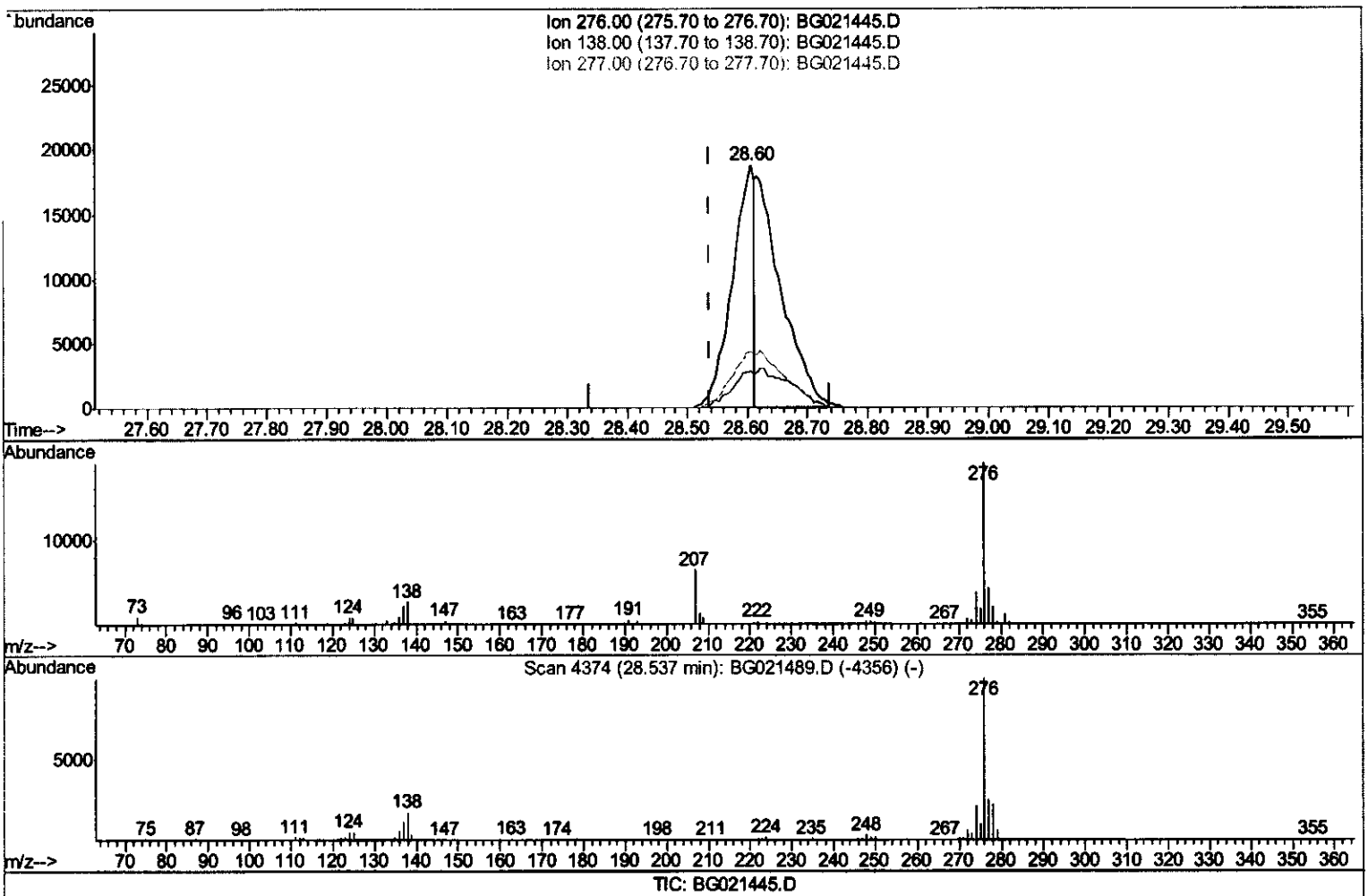
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG031816\
Data File : BG021445.D
Acq On : 18 Mar 2016 11:38
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 17:50:49 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 25 01:20:42 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
mohammad
3/21/2016 2:47:26 PM



TIC: BG021445.D

(92) Indeno(1,2,3-cd)pyrene

28.605min (+0.068) 9.16ng/ul

response 47635

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	14.83#
277.00	23.80	23.29
0.00	0.00	0.00

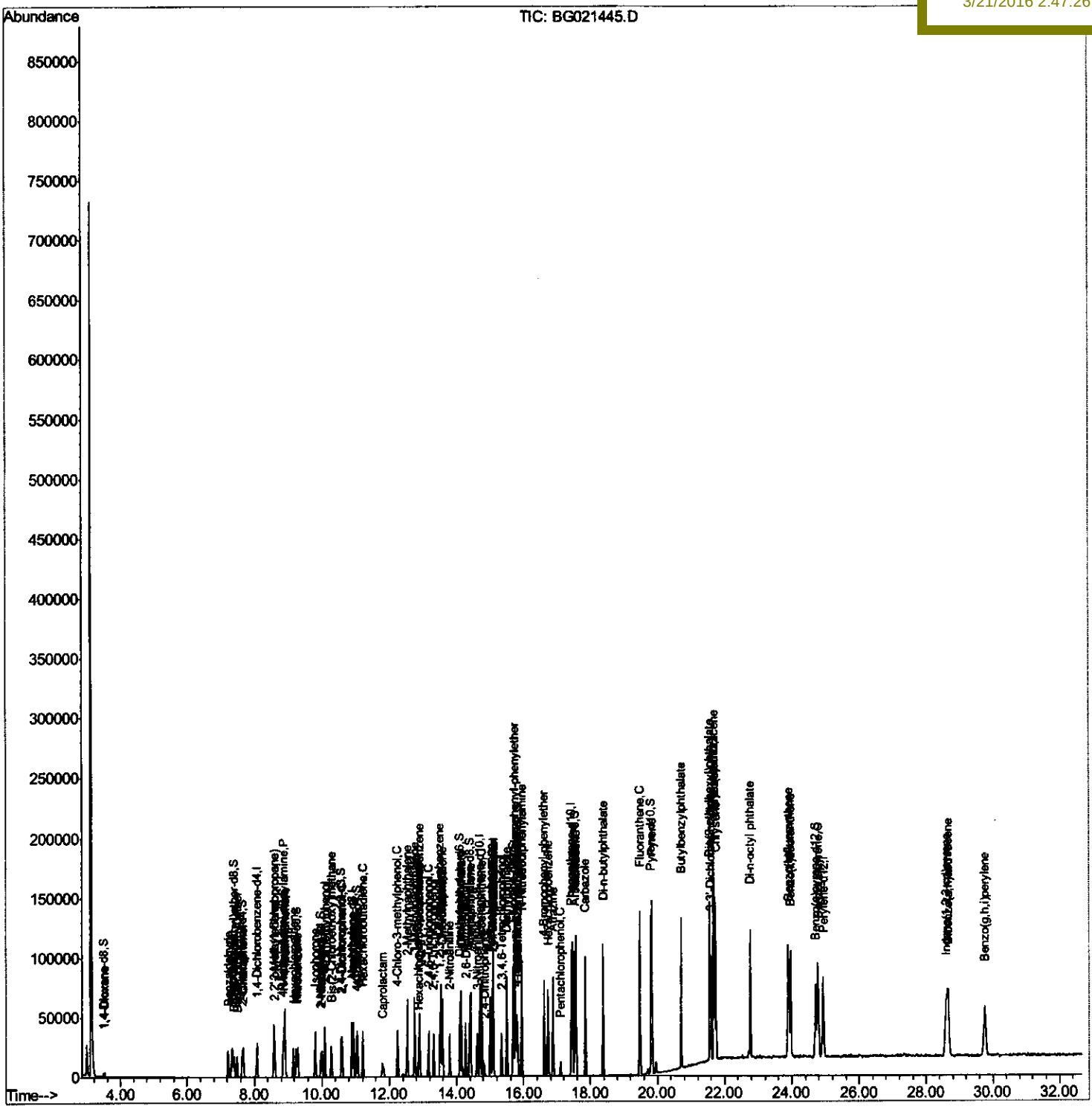
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG031816\
Data File : BG021445.D
Acq On : 18 Mar 2016 11:38
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 00:27:11 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 19 00:12:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
mohammad
3/21/2016 2:47:26 PM



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG031816\
Data File : BG021445.D
Acq On : 18 Mar 2016 11:38
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
mohammad
3/21/2016 2:47:26 PM

Quant Time: Mar 19 00:27:11 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 19 00:12:07 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	7838	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	38276	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	25326	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	65045	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	77252	20.00	ng/ul	0.00
86) Perylene-d12	24.93	264	73394	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.48	96	1583	9.06	ng/uL	0.00
5) Phenol-d5	7.34	99	13481	18.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	8136	18.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.65	132	10773	19.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	13122	20.67	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	5787	20.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	6319	19.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.58	165	11721	19.98	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	16091	20.98	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	41934	19.89	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	50799	19.54	ng/ul	0.00
52) 4-Nitrophenol-d4	15.07	143	5365	15.92	ng/ul	0.00
58) Fluorene-d10	15.68	176	37598	19.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	7420	17.27	ng/ul	0.00
71) Anthracene-d10	17.54	188	61185	19.20	ng/ul	0.00
79) Pyrene-d10	19.82	212	68813	19.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.71	264	65690	19.39	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.52	88	1824	7.73	ng/uL	93
4) Benzaldehyde	7.22	77	8723	19.32	ng/ul	94
6) Phenol	7.37	94	14384	18.36	ng/ul	100
8) Bis(2-Chloroethyl)ether	7.50	93	10969	19.34	ng/ul	87
10) 2-Chlorophenol	7.68	128	10804	18.68	ng/ul	90
11) 2-Methylphenol	8.59	108	11314	18.77	ng/ul	90
12) 2,2'-oxybis(1-Chloropropan	8.61	45	12881	18.83	ng/ul#	72
14) Acetophenone	8.90	105	19233	18.57	ng/ul	93
15) N-Nitroso-di-n-propylamine	8.88	70	11283	19.65	ng/ul#	92
16) 4-Methylphenol	8.92	108	12401	18.13	ng/ul	81
17) Hexachloroethane	9.16	117	4684	19.30	ng/ul#	91
20) Nitrobenzene	9.29	77	15830	19.52	ng/ul	98
21) Isophorone	9.81	82	29703	19.00	ng/ul	97
23) 2-Nitrophenol	10.01	139	6652	18.36	ng/ul	89
24) 2,4-Dimethylphenol	10.10	107	15619	19.10	ng/ul#	86
25) Bis(2-Chloroethoxy)methane	10.29	93	15484	19.01	ng/ul#	95
27) 2,4-Dichlorophenol	10.60	162	11793	19.35	ng/ul	96
28) Naphthalene	10.94	128	39354	19.39	ng/ul	97
30) 4-Chloroaniline	11.05	127	16956	21.06	ng/ul	89
31) Hexachlorobutadiene	11.21	225	8681	19.35	ng/ul	99
32) Caprolactam	11.80	113	4338	18.96	ng/ul#	75
33) 4-Chloro-3-methylphenol	12.25	107	14597	19.62	ng/ul	89
34) 2-Methylnaphthalene	12.54	142	29771	19.77	ng/ul	95

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG031816\
Data File : BG021445.D
Acq On : 18 Mar 2016 11:38
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 00:27:11 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 19 00:12:07 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02010

Manual Integrations APPROVED
mohammad
3/21/2016 2:47:26 PM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	12.75	142	27948	19.12 ng/ul	100
37) 1,2,4,5-Tetrachlorobenzene	12.89	216	17286	19.50 ng/ul	92
38) Hexachlorocyclopentadiene	12.87	237	3803	11.71 ng/ul#	83
39) 2,4,6-Trichlorophenol	13.16	196	10132	19.44 ng/ul	99
40) 2,4,5-Trichlorophenol	13.31	196	11084	19.49 ng/ul	90
41) 1,1'-Biphenyl	13.53	154	39751	19.19 ng/ul	93
42) 2-Chloronaphthalene	13.58	162	31547	19.47 ng/ul	96
43) 2-Nitroaniline	13.79	65	10616	18.79 ng/ul#	81
45) Dimethylphthalate	14.15	163	43958	20.06 ng/ul	99
46) 2,6-Dinitrotoluene	14.27	165	9099	20.35 ng/ul	88
48) Acenaphthylene	14.42	152	50083	19.45 ng/ul	97
49) 3-Nitroaniline	14.62	138	8434	20.39 ng/ul	87
50) Acenaphthene	14.76	153	34982	19.69 ng/ul	91
51) 2,4-Dinitrophenol	14.83	184	3580	15.89 ng/ul#	79
53) 4-Nitrophenol	15.09	109	6400	18.30 ng/ul#	1
54) Dibenzofuran	15.09	168	49098	19.73 ng/ul	94
55) 2,4-Dinitrotoluene	15.06	165	13443	20.51 ng/ul	91
56) 2,3,4,6-Tetrachlorophenol	15.34	232	8237	19.81 ng/ul#	88
57) Diethylphthalate	15.50	149	46212	19.73 ng/ul	99
59) Fluorene	15.74	166	43255	19.88 ng/ul	98
60) 4-Chlorophenyl-phenylether	15.73	204	23271	20.37 ng/ul	97
61) 4-Nitroaniline	15.78	138	8774	20.24 ng/ul	95
64) 4,6-Dinitro-2-methylphenol	15.83	198	7890	17.39 ng/ul	93
65) N-Nitrosodiphenylamine	15.94	169	38642	19.18 ng/ul	98
66) 4-Bromophenyl-phenylether	16.62	248	14439	19.00 ng/ul	91
67) Hexachlorobenzene	16.74	284	15017	18.74 ng/ul	90
68) Atrazine	16.88	200	15845	19.50 ng/ul	94
69) Pentachlorophenol	17.11	266	2915	13.75 ng/ul	93
70) Phenanthrene	17.48	178	71284	19.35 ng/ul	96
72) Anthracene	17.57	178	73654	19.65 ng/ul	96
73) 1,2,3,4-Tetrachlorobenzene	13.50	216	16785	18.43 ng/uL	90
74) Pentachlorobenzene	15.01	250	17689	18.71 ng/uL	91
75) Carbazole	17.85	167	62357	19.23 ng/ul	97
76) Di-n-butylphthalate	18.38	149	77815	18.60 ng/ul	98
77) Fluoranthene	19.48	202	85647	19.27 ng/ul#	94
80) Pyrene	19.84	202	88987	19.33 ng/ul	95
81) Butylbenzylphthalate	20.71	149	36051	18.54 ng/ul	96
82) 3,3'-Dichlorobenzidine	21.60	252	31799	19.85 ng/ul#	98
83) Benzo(a)anthracene	21.68	228	90114	19.32 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.56	149	52689	18.53 ng/ul	97
85) Chrysene	21.74	228	84994	19.24 ng/ul	97
87) Di-n-octyl phthalate	22.77	149	90988	18.26 ng/ul	100
88) Benzo(b)fluoranthene	23.90	252	93578	19.85 ng/ul#	96
89) Benzo(k)fluoranthene	23.97	252	88421	19.09 ng/ul#	96
91) Benzo(a)pyrene	24.77	252	89706	19.60 ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	28.60	276	101160m	19.45 ng/ul	
93) Dibenzo(a,h)anthracene	28.67	278	86390	19.52 ng/ul	98
94) Benzo(g,h,i)perylene	29.77	276	83047	19.42 ng/ul	97

U.M. 03/20/2016

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG031816\
Data File : BG021445.D
Acq On : 18 Mar 2016 11:38
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 00:27:11 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 19 00:12:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
mohammad
3/21/2016 2:47:26 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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