Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

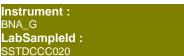
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

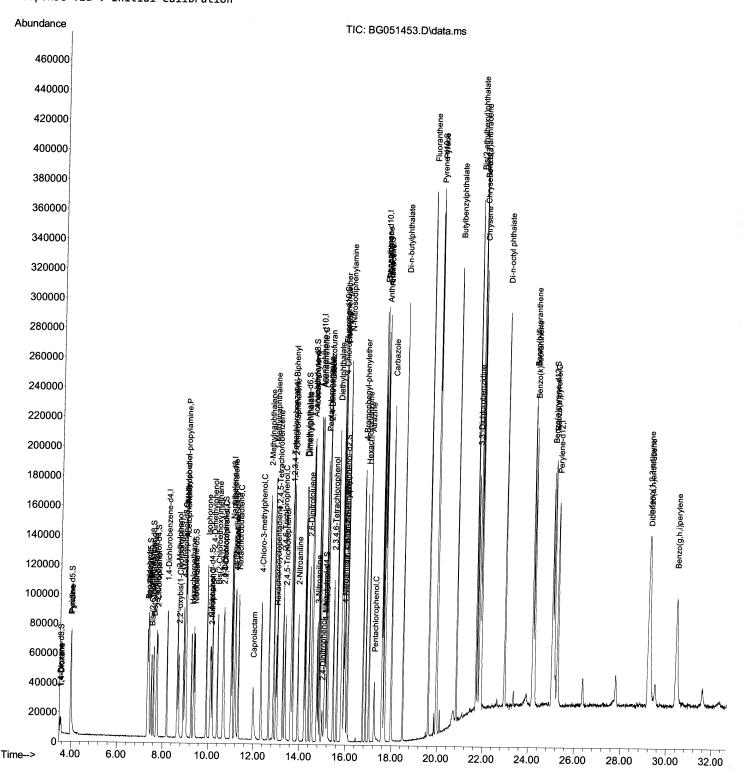
Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



# **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

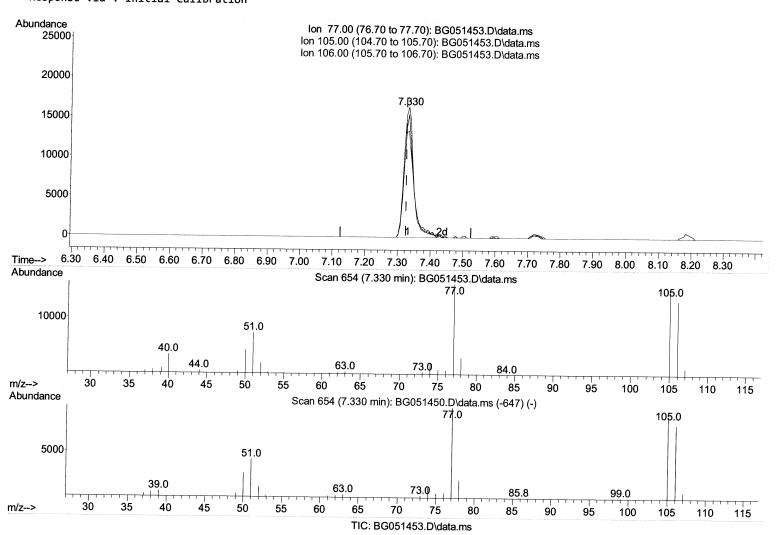
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



### **Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



#### (6) Benzaldehyde

7.330min (+ 0.005) 20.98 ng/ul

response	34399	
Ion	Ехр%	Act%
77.00	100.00	100.00
105.00	88.00	94.47
106.00	76.50	81.89
0.00	0.00	0 00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

 $\label{lem:quant_method} {\tt Quant_Methods\SFAM-EPA-BG120821.M}$ 

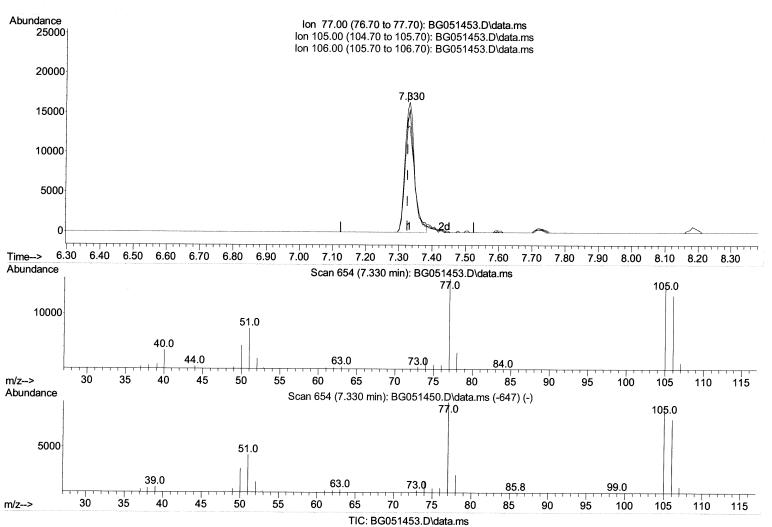
Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



# **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



### (6) Benzaldehyde

7.330min (+ 0.005) 20.16 ng/ul m | a | \( \lambda \lam

response	33048	
Ion	Ежр%	Act%
77.00	100.00	100.00
105.00	88.00	94.47
106.00	76.50	81.89
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

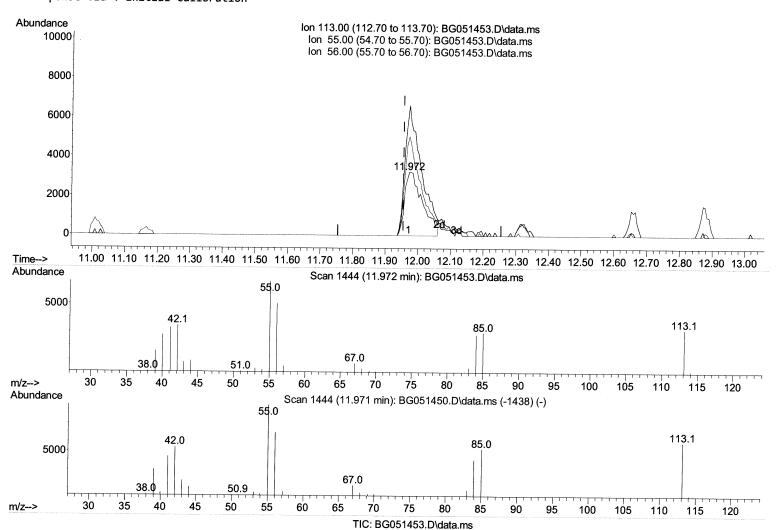
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2021

Response via : Initial Calibration

Instrument:
BNA\_G
LabSampleId:
SSTDCCC020

# **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



#### (34) Caprolactam

11.972min (+ 0.017) 17.13 ng/ul

response	12306	
Ion	Exp%	Act%
113.00	100.00	100.00
55.00	183.80	205.14
56.00	136.50	156.04
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc :

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

 $\label{lem:quant_method} {\tt Quant_Methods\SFAM-EPA-BG120821.M}$ 

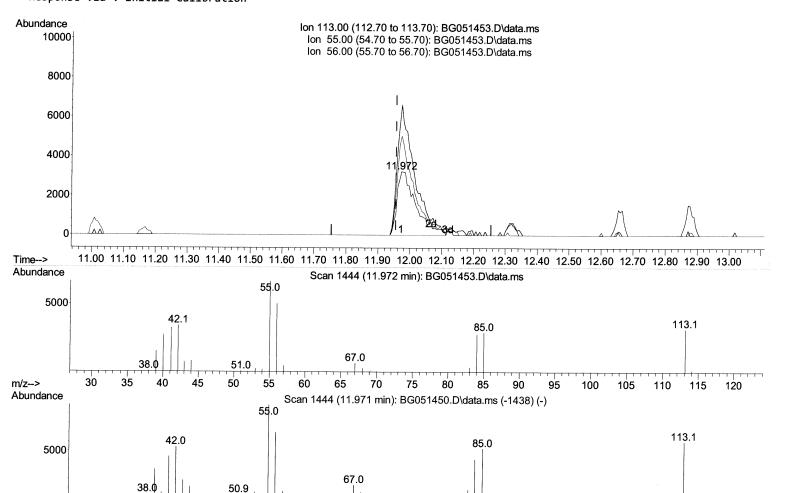
Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



# **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



# (34) Caprolactam

35

30

m/z-->

11.972min (+ 0.017) 18.39 ng/ul m /2/////JU

50

55

60

65

70

75

TIC: BG051453.D\data.ms

85

90

95

100

105

110

115

120

response	response 13210		
Ion	Ежр%	Act%	
113.00	100.00	100.00	
55.00	183.80	205.14	
56.00	136.50	156.04	
0.00	0.00	0.00	

40

45

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

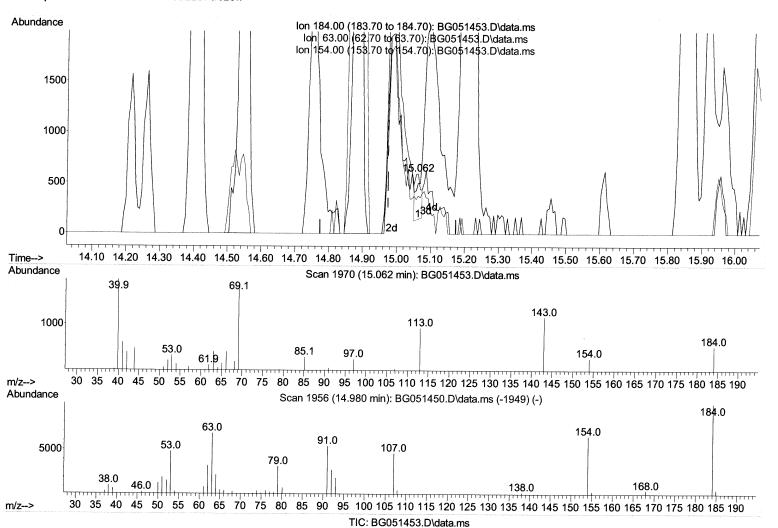
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2021
Response via : Initial Calibration



### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



#### (53) 2,4-Dinitrophenol

15.062min (+ 0.088) 0.78 ng/ul

response	521	
Ion	Ежр%	Act%
184.00	100.00	100.00
63.00	82.70	84.20
154.00	67.00	63.03
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

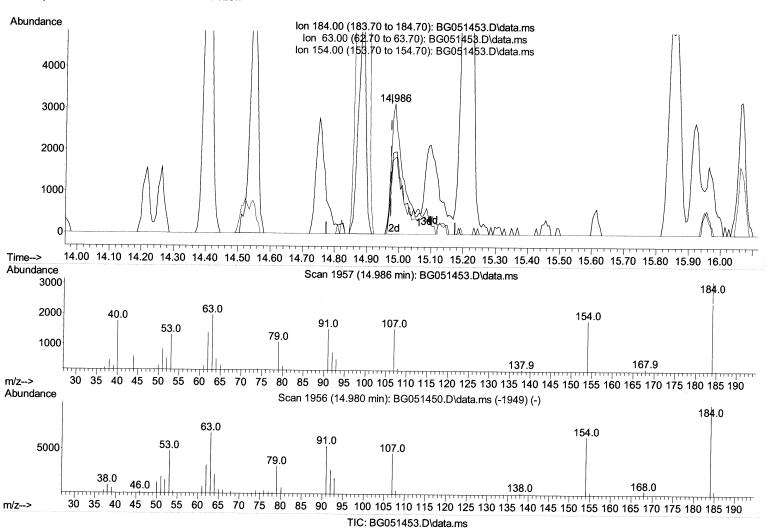
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2021
Response via : Initial Calibration

Instrument:
BNA\_G
LabSampleId:
SSTDCCC020

### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



# (53) 2,4-Dinitrophenol

14.986min (+ 0.011) 14.50 ng/ul m 12/16/21 JU

response	9682	
Ion	Ехр%	Act%
184.00	100.00	100.00
63.00	82.70	62.79#
154.00	67.00	58.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

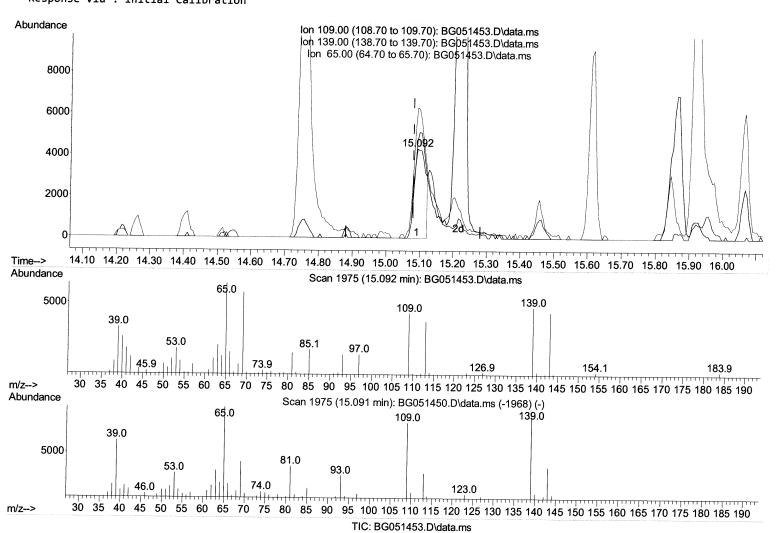
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2021
Response via : Initial Calibration

Instrument :
BNA\_G
LabSampleId :
SSTDCCC020

### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



#### (55) 4-Nitrophenol

15.092min (+ 0.011) 11.37 ng/ul

response	10312	
Ion	Ехр%	Act%
109.00	100.00	100.00
139.00	110.90	109.89
65.00	142.00	145.96
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

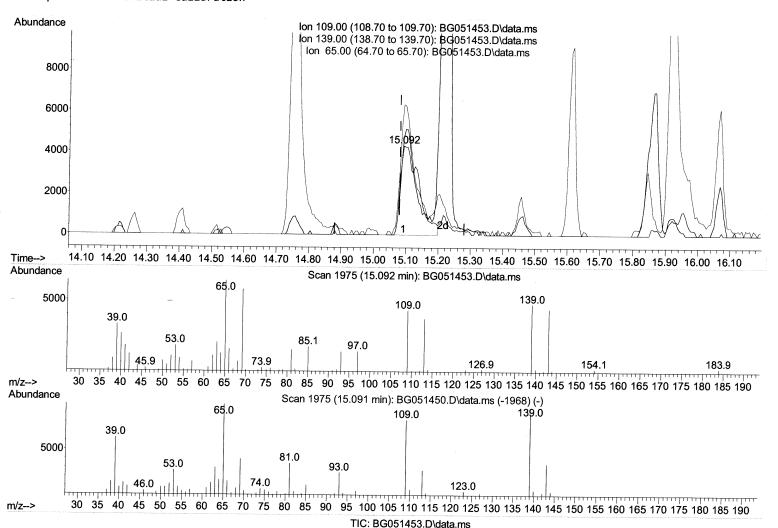
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



# (55) 4-Nitrophenol

15.092min (+ 0.011) 18.44 ng/ul m 2/6/2/34

response	16725	
Ion	Ехр%	Act%
109.00	100.00	100.00
139.00	110.90	109.89
65.00	142.00	145.96
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

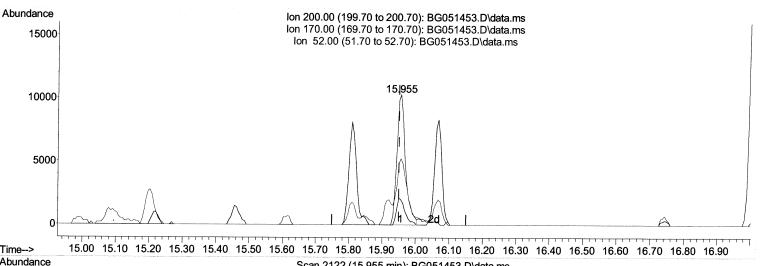
Quant Title : SVOA CALIBRATION

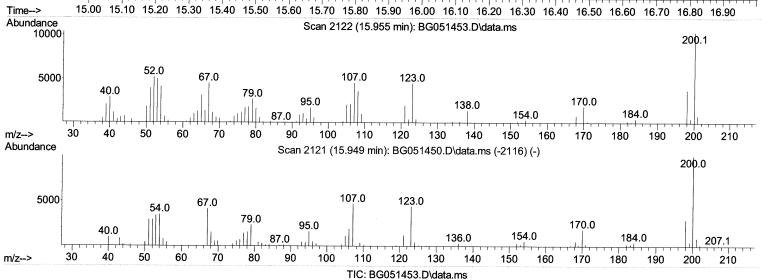
QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



#### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021





# (65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.955min (+ 0.005) 17.60 ng/ul

response	18482	
Ion	Ежр%	Act%
200.00	100.00	100.00
170.00	19.80	19.18
52.00	47.40	50.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

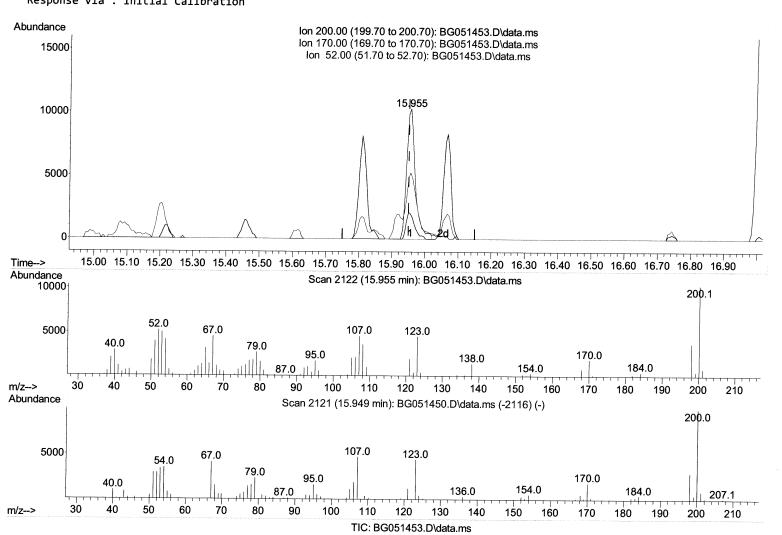
Quant Time: Dec 11 03:17:08 2021

 $\label{lem:quant_method} \textbf{Quant Methods} : \textbf{Z:} \\ \textbf{SPAM-EPA-BG120821.M} \\ \\ \textbf{Quant Methods} : \textbf{Z:} \\ \textbf{SPAM-EPA-BG120821.M} \\ \\ \textbf{Quant Methods} : \textbf{Z:} \\ \textbf{SPAM-EPA-BG120821.M} \\ \\ \textbf{Quant Methods} : \textbf{Z:} \\ \textbf{Quant Methods} : \textbf{Quant Methods} : \textbf{Z:} \\ \textbf{Quant Methods} : \textbf{Quant Methods} :$ 

Quant Title : SVOA CALIBRATION QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration Instrument: BNA\_G LabSampleId: SSTDCCC020

# Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.955min (+ 0.005) 18.04 ng/ul m /2////

response	18950	
Ion	Ежр%	Act%
200.00	100.00	100.00
170.00	19.80	19.18
52.00	47.40	50.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

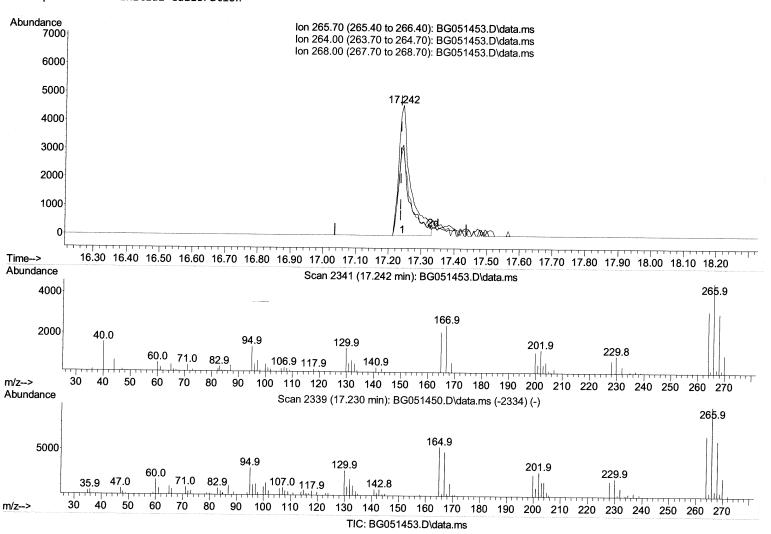
Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration



# Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



### (71) Pentachlorophenol (C)

17.242min (+ 0.005) 14.71 ng/ul

response	11583	
Ion	Exp%	Act%
265.70	100.00	100.00
264.00	67.90	69.49
268.00	63.80	67.20
0.00	0.00	0 00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

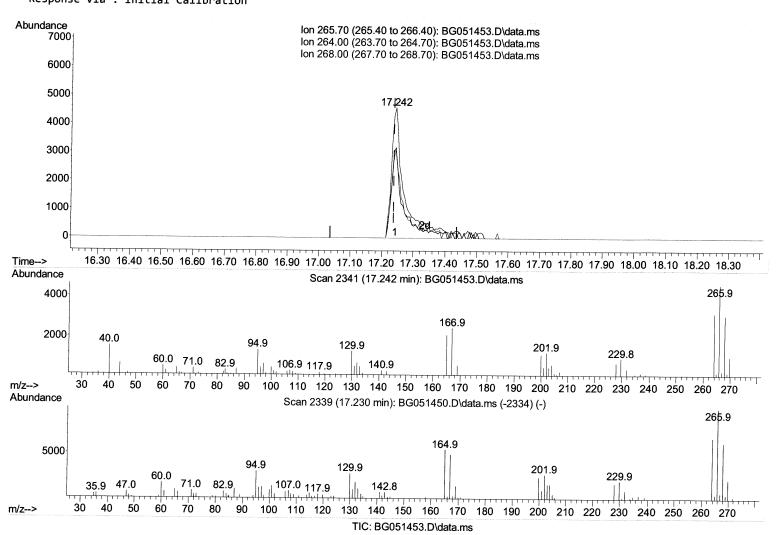
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2021
Response via : Initial Calibration



### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021



#### (71) Pentachlorophenol (C)

17.242min (+ 0.005) 16.72 ng/ul m | 2//(/2/)4

response	13167	
Ion	Ежр%	Act%
265.70	100.00	100.00
264.00	67.90	69.49
268.00	63.80	67.20
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc :

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 09 03:21:41 2021
Response via : Initial Calibration

Instrument : BNA\_G **LabSampleld** : SSTDCCC020

# **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021

Compound	R.T.	QIon	Response	Conc Units Dev(	(Min)
Internal Standards					
<ol> <li>1,4-Dichlorobenzene-d4</li> </ol>	8.188	152	25335	20.000 ng/ul	0.00
20) Naphthalene-d8	11.014		110745	20.000 ng/ul	0.00
38) Acenaphthene-d10	14.816		78263	20.000 ng/ul	0.00
64) Phenanthrene-d10	17.571		176726	20.000 ng/ul	0.00
79) Chrysene-d12	21.872		164502	20.000 ng/ul	0.00
88) Perylene-d12	25.274		158012	20.000 ng/ul	0.00
System Monitoring Compounds					
3) 1,4-Dioxane-d8	3.529	96	5785	7.498 ng/uL	0.00
4) Pyridine-d5	3.970	84	35188	15.883 ng/ul	0.00
7) Phenol-d5	7.366	99	45498	17.641 ng/ul	0.01
9) Bis-(2-Chloroethyl)eth	7.507		29617	17.907 ng/ul	0.00
11) 2-Chlorophenol-d4	7.724	132	33662	18.345 ng/ul	0.00
<pre>15) 4-Methylphenol-d8</pre>	8.917	113	35733	17.636 ng/ul	0.00
21) Nitrobenzene-d5	9.369	128	18163	18.906 ng/ul	0.00
24) 2-Nitrophenol-d4	10.098	143	20081	18.472 ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.656	165	33131	18.734 ng/ul	0.00
31) 4-Chloroaniline-d4	11.167	131	47099	18.208 ng/ul	0.00
46) Dimethylphthalate-d6	14.216	166	111558	18.421 ng/ul	0.00
49) Acenaphthylene-d8	14.516	160	143546	18.716 ng/ul	0.00
54) 4-Nitrophenol-d4	15.080	143	13192	14.469 ng/ul	0.02
60) Fluorene-d10	15.809	176	102163	18.951 ng/ul	0.00
65) 4,6-Dinitro-2-methylph	15.955	200		18.045 ng/ul >	
73) Anthracene-d10	17.671	188	164436	19.886 ng/ul	0.00
81) Pyrene-d10	19.951	212	192536	19.472 ng/ul	0.00
92) Benzo(a)pyrene-d12	25.033	264	161061	19.762 ng/ul	0.00
Target Compounds				Qva]	lue
2) 1,4-Dioxane	3.564	88	6415	7.452 ng/uL	96
5) Pyridine	3.993	79	38296	16.561 ng/ul	98 ,
6) Benzaldehyde	7.330	77	33048m >	_	iall(latu
8) Phenol	7.395	94	46890	17.762 ng/ul	99
<pre>10) Bis(2-Chloroethyl)ether</pre>	7.595	93	36906	18.252 ng/ul	99
12) 2-Chlorophenol	7.759	128	33855	18.011 ng/ul	96
13) 2-Methylphenol	8.646	108	35204	17.911 ng/ul	97
14) 2,2'-oxybis(1-Chloropr	8.705	45	54940	18.057 ng/ul#	94
16) Acetophenone	9.022	105	57733	18.401 ng/ul	94
17) N-Nitroso-di-n-propyla	8.993	70	34838	18.522 ng/ul	94
18) 4-Methylphenol	8.981	108	37502	18.163 ng/ul	99
19) Hexachloroethane	9.263		15327	18.858 ng/ul	95
22) Nitrobenzene	9.410	77	49126	18.796 ng/ul	98
23) Isophorone	9.927	82	93922	18.717 ng/ul	98
25) 2-Nitrophenol	10.133	139	20924	19.222 ng/ul	98
26) 2,4-Dimethylphenol	10.186	107	43365	18.812 ng/ul	98
27) Bis(2-Chloroethoxy)met	10.403	93	51406	18.916 ng/ul	97
29) 2,4-Dichlorophenol	10.679	162	32439	18.709 ng/ul	96
30) Naphthalene	11.061	128	117172	19.267 ng/ul	98
32) 4-Chloroaniline	11.190	127	48290	18.559 ng/ul	98
33) Hexachlorobutadiene	11.326	225	21875	18.496 ng/ul	00
34) Caprolactam	11.972	113		18.386 ng/ul >	ांनी/L/Ja
35) 4-Chloro-3-methylphenol	12.319	107	41156	19.109 ng/ul	14111×1JU
,		,		11g/u1	J 3

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120921\

Data File : BG051453.D

Acq On : 10 Dec 2021 12:49

Operator : CG/JU Sample : SSTDCCC020

Misc :

ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 11 03:17:08 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG120821.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Dec 09 03:21:41 2021 Response via : Initial Calibration Instrument :
BNA\_G
LabSampleId :
SSTDCCC020

# **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 12/13/2021 Supervised By :Yogesh Patel 12/15/2021

Compound	R.T.	QIon	Response	Conc Uni	ts Dev(M	Min)
36) 2-Methylnaphthalene	12.659	142	78451	19.344	ng/ul	96
37) 1-Methylnaphthalene	12.877		80830	19.363		98
39) 1,2,4,5-Tetrachloroben	13.024		44859	18.408		98
40) Hexachlorocyclopentadiene	12.982	237	20248	15.691	φ.	96
41) 2,4,6-Trichlorophenol	13.276	196	28869	18.338		98
42) 2,4,5-Trichlorophenol	13.370	196	30099	17.859		97
43) 1,1'-Biphenyl	13.652	154	109819	18.769	_	96
44) 2-Chloronaphthalene	13.705	162	85906	18.713		99
45) 2-Nitroaniline	13.923	65	31364	18.075		98
47) Dimethylphthalate	14.263	163	113708	18.630	ng/ul	99
48) 2,6-Dinitrotoluene	14.404	165	23527	18.217		99
50) Acenaphthylene	14.545	152	142837	18.873	ng/ul	98
51) 3-Nitroaniline	14.757	138	24232	19.483	ng/ul	95
52) Acenaphthene	14.880	153	94371	19.004 i	ng/ul	98
53) 2,4-Dinitrophenol	14.986	184	9682m>	14.496 1	ng/ul\	12/1/12/ +4
55) 4-Nitrophenol	15.092	109	16725m (	18.439 1	ر ng/ul	1911(191 10
56) Dibenzofuran	15.221	168	133156	18.913 ı	ng/ul	99
57) 2,4-Dinitrotoluene	15.203	165	35384	19.167 r	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.456	232	24485	19 <b>.174</b> r	ng/ul	98
59) Diethylphthalate	15.615	149	121320	18.418 r	<b>O</b> .	99
61) Fluorene	15.867	166	107220	18.805 r		99
62) 4-Chlorophenyl-phenyle	15.844	204	56531	18.886 r		97
63) 4-Nitroaniline	15.920	138	22116	20.032 r		94
66) 4,6-Dinitro-2-methylph	15.967	198	18910	18.521 r	ng/ul	91
67) N-Nitrosodiphenylamine	16.067	169	96449	19.577 r		97
68) 4-Bromophenyl-phenylether	16.743	248	34558	19.366 r		94
69) Hexachlorobenzene	16.872	284	35446	19.488 r	_	99
70) Atrazine	17.013	200	40443	19.026 n		98
71) Pentachlorophenol	17.242	266	13167m>	16.721 n		iall blal dd
72) Phenanthrene	17.612	178	188741	19.822 n		99
74) Anthracene	17.706	178	188935	19.822 n		97
75) 1,2,3,4-Tetrachloroben	13.623	216	47825	19.352 n		99
76) Pentachlorobenzene	15.133	250	44238	19.772 n		97
77) Carbazole 78) Di-n-butylphthalate	17.988	167	170865	20.138 n		98
80) Fluoranthene	18.500	149	222260	19.538 n		98
82) Pyrene	19.616	202	240190	19.729 n		98
83) Butylbenzylphthalate	19.980 20.832	202	234034	19.589 n		99
84) 3,3'-Dichlorobenzidine	21.760	149 252	96858	18.589 n		97
85) Benzo(a)anthracene	21.849	228	64504	18.568 n		98
86) Bis(2-ethylhexyl)phtha	21.702	149	211535 137427	19.466 n		99
87) Chrysene	21.702	228	203136	18.988 n	-	97
89) Di-n-octyl phthalate	22.959	149	233687	19.605 n	•	99
90) Benzo(b)fluoranthene	24.181	252	205192	20.110 n 19.769 n		100 98
91) Benzo(k)fluoranthene	24.252	252	190787	19.736 n	_	
93) Benzo(a)pyrene	25.109	252	195283	19.754 n		98 98
94) Indeno(1,2,3-cd)pyrene	29.193	276	201497	18.366 n		98
95) Dibenzo(a,h)anthracene	29.246	278	171494	18.543 n		98
96) Benzo(g,h,i)perylene	30.427	276	168670	18.383 n		98

<sup>(#) =</sup> qualifier out of range (m) = manual integration (+) = signals summed