Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D

Acq On : 25 Nov 2021 11:10

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 63 Sample Multiplier: 1

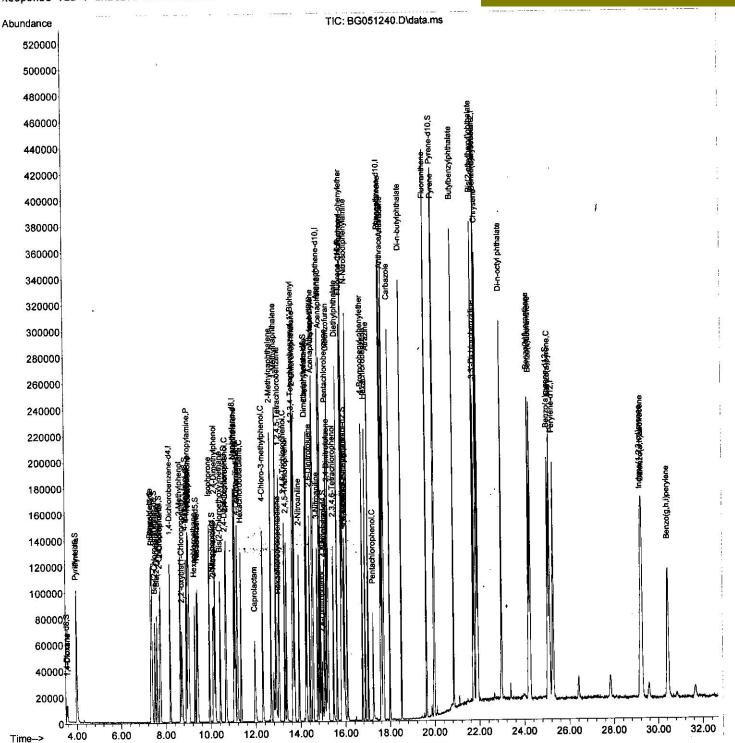
Quant Time: Nov 26 01:16:59 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration Instrument:
BNA\_G
LabSampleId:
SSTDCCC020

### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021



SFAM-EPA-BG112321.M Fri Nov 26 02:24:10 2021

Data Path : Z:\svoasrv\HPCHEM1\8NA\_G\Data\BG112321\

Data File : BG051240.D

Acq On : 25 Nov 2021 11:10

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 63 Sample Multiplier: 1

Quant Time: Nov 26 01:16:59 2021

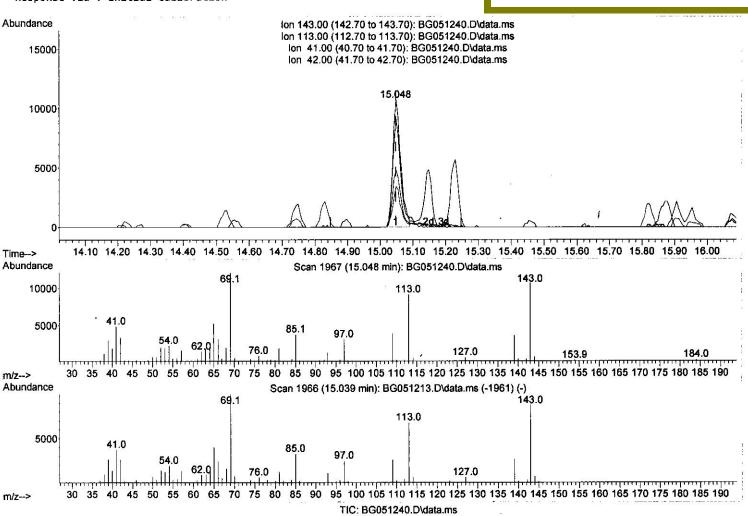
Quant Method: Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration Instrument:
BNA\_G
LabSampleId:
SSTDCCC020

#### Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021



# (54) 4-Nitrophenol-d4 (S)

15.048min (+ 0.000) 14.71 ng/ul

response	18506	
Ion	Exp <sup>8</sup>	Act%
143.00	100.00	100.00
113.00	80.30	85.41
41.00	44.40	45.26
42.00	29.70	31.89

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D

Acq On : 25 Nov 2021 11:10

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 63 Sample Multiplier: 1

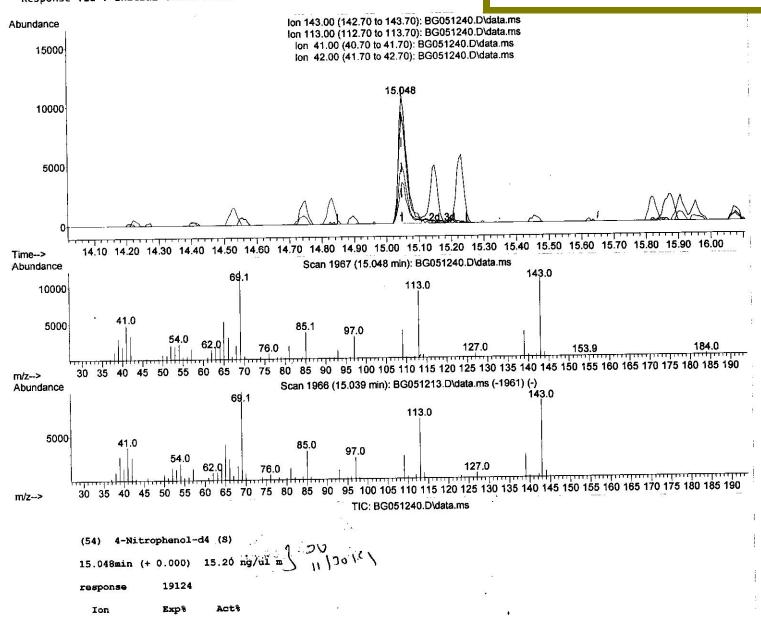
Quant Time: Nov 26 01:16:59 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration Instrument:
BNA\_G
LabSampleId:
SSTDCCC020

#### Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021



100.00

80.30

44.40

29.70

143.00

113.00

41.00

42.00

100.00

85.41

45.26

31.89

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D Acq On : 25 Nov 2021 11:10

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 63 Sample Multiplier: 1

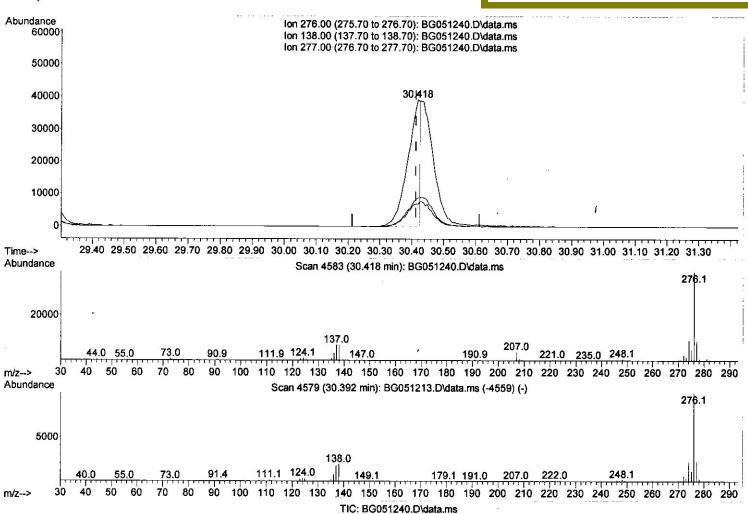
Quant Time: Nov 26 01:16:59 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321,M

Quant Title : SVOA CALIBRATION QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration Instrument:
BNA\_G
LabSampleId:
SSTDCCC020

#### **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021



## (96) Benzo(g,h,i)perylene

30.418min (+ 0.006) 9.12 ng/ul

response	106630	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.70	17.65
277.00	22.00	22.41
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D

: 25 Nov 2021 11:10 Acq On

Operator : CG/JU Sample : SSTDCCC020

Misc

ALS Vial : 63 Sample Multiplier: 1

Quant Time: Nov 26 01:16:59 2021

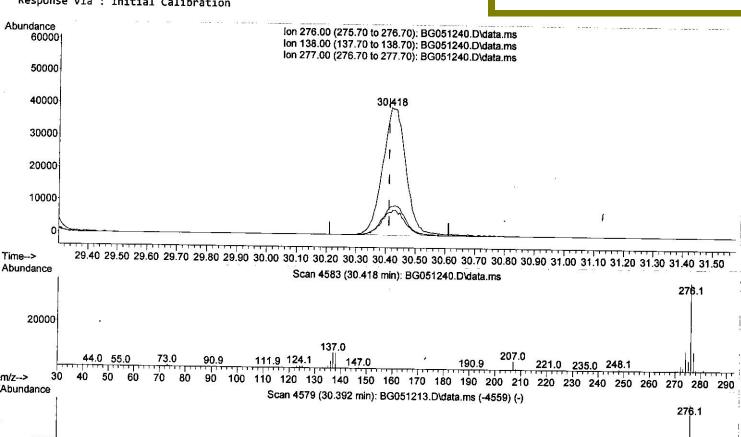
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

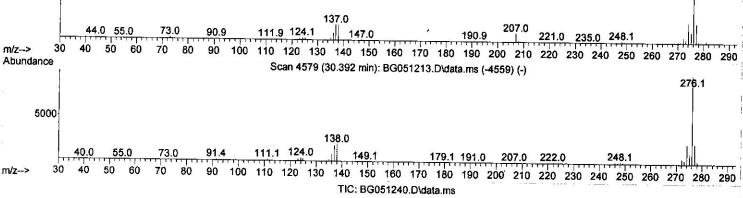
Quant Title : SVOA CALIBRATION QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration

Instrument: BNA\_G LabSampleId: SSTDCCC020

### Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021





(96) Benzo(g,h,i)perylene

30.418min (+ 0.006)

response	213360	
Ion	Exp%	Acte
276.00	100.00	100.00
138.00	20.70	17.65
277.00	22.00	22.41
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D

: 25 Nov 2021 11:10 Acq On

Operator : CG/JU : SSTDCCC020 Sample

Misc

Sample Multiplier: 1 : 63 ALS Vial

Quant Time: Nov 26 01:16:59 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

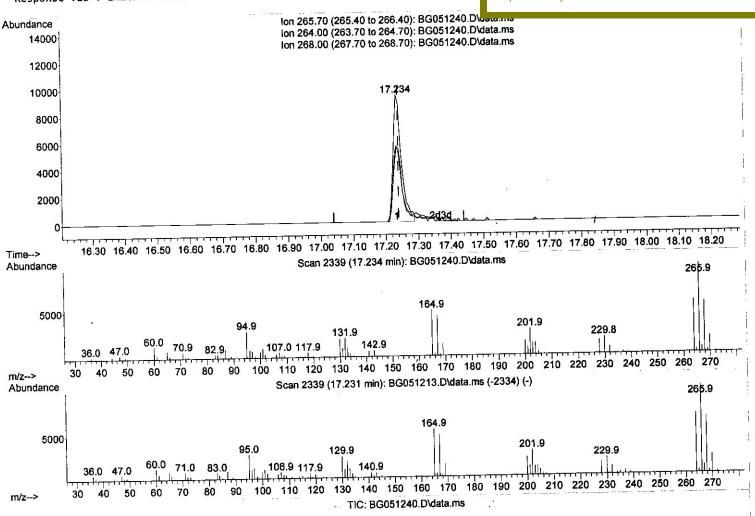
Quant Title : SVOA CALIBRATION

QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration

Instrument: BNA\_G LabSampleId: STDCCC020

#### Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021



# (71) Pentachlorophenol (C)

17.234min (-0.006) 15.84 ng/ul-

response	16694	
Ion	Екр%	Act*
265.70	100.00	100.00
264.00	67.90	60.07
268.00	63.80	58.13
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D

: 25 Nov 2021 11:10 Acq On

: CG/JU Operator : SSTDCCC020 Sample

Misc

Sample Multiplier: 1 ALS Vial : 63

Quant Time: Nov 26 01:16:59 2021

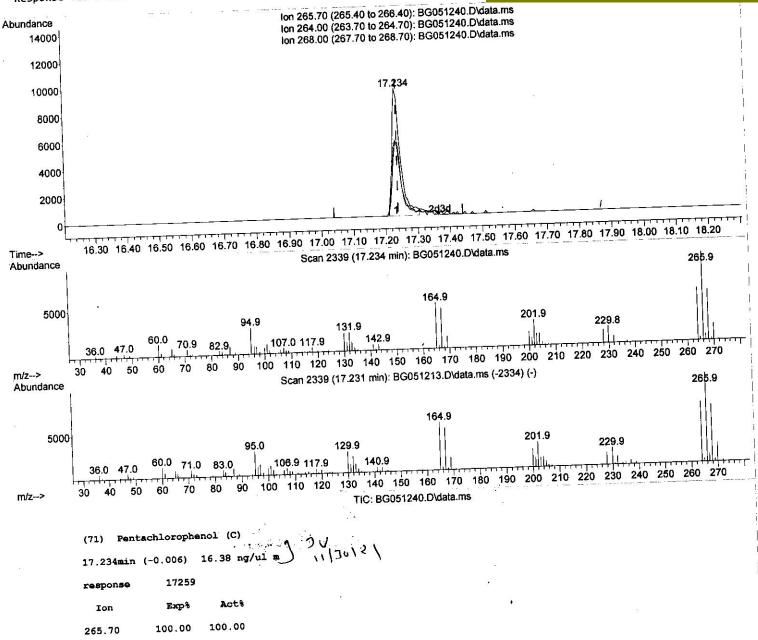
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration

Instrument: BNA\_G LabSampleId : STDCCC020

# Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021



67.90

63.80

0.00

264.00

268.00

0.00

60.07

58.13

0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D

: 25 Nov 2021 11:10 Acq On

Operator : CG/JU : SSTDCCC020 Sample

Misc

ALS Vial : 63 Sample Multiplier: 1

Quant Time: Nov 26 01:16:59 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration

nstrument :	
BNA_G	
abSampleId	
STDCCC020	

## **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021

Internal Standards 1) 1,4-Dichlorobenzene-d4 8.197 152 32620 28.000 ng/ul 0.00 20 Naphthalene-d8 11.023 136 153337 20.000 ng/ul 0.00 38) Acenaphthene-d10 17.580 188 217582 20.000 ng/ul 0.00 64) Phenanthrene-d10 17.580 188 217582 20.000 ng/ul 0.00 79 Chrysene-d12 25.283 264 192943 20.000 ng/ul 0.00 88) Perylene-d12 25.283 264 192943 20.000 ng/ul 0.00 88) Perylene-d12 25.283 264 192943 20.000 ng/ul 0.00 89 Perylene-d12 3.538 96 6613 7.045 ng/ul 0.00 89 Bis-(2-Chloroethyl)eth. 7.516 67 38342 18.936 ng/ul 0.00 9 Bis-(2-Chloroethyl)eth. 7.516 67 38342 18.936 ng/ul 0.00 9 Bis-(2-Chloroethyl)eth. 7.727 132 48483 18.962 ng/ul 0.00 11) 2-Chlorophenol-d4 7.727 132 48483 18.962 ng/ul 0.00 12) Nitrobenzene-d5 9.378 128 23094 17.399 ng/ul 0.00 12) Nitrobenzene-d5 19.378 128 23094 18.782 ng/ul 0.00 13) 4-Chloroanilline-d4 10.647 165 65825 18.498 ng/ul 0.00 140 11.64 131 65364 18.015 ng/ul 0.00 150 14-Nitrophenol-d4 15.647 165 65825 18.098 ng/ul 0.00 160 150 150 150 150 150 150 150 150 150 15	Compound	R.T. Ç	]Ion	Response (	Conc Units Dev(	Min)		
1) 1,4-Dichlorobenzene-d4 8. 197 152 32620 20.000 ng/ul 0.000 38) Acenaphthene-d10 14.831 164 101006 20.000 ng/ul 0.000 64) Phenanthrene-d10 17.500 188 217582 20.000 ng/ul 0.000 79) Chrysene-d12 25.283 264 192943 20.000 ng/ul 0.000 88) Perylene-d12 25.283 264 192943 20.000 ng/ul 0.000 89 14.000 ng/ul 0.000 89 15.4-Dicxane-d8 3.538 96 6613 7.045 ng/ul 0.000 17.399 ng/ul 0.000 18.592 ng/ul 0.000 18.792 ng/ul 0.000 18.792 ng/ul 0.000 18.793 ng/ul 0.000 18.794 ng/ul 0.								
1)	Internal Standards	0.407	150	22620	20 000 ng/ul	0.00		
20) Naphthalene-08 38) Acenaphthene-d10 14.831 164 164) Phenanthrene-d10 17.580 188) Acenaphthene-d10 17.580 188) Perylene-d12 21.881 240 25.283 264 192943 20.000 ng/ul 0.00 20.000 ng/ul 0.000 20.000 ng/ul 0.00 20.000 ng/ul 0.000 20.000 ng/ul 20.000	<ol> <li>1,4-Dichlorobenzene-d4</li> </ol>							
38) Acceaphthene-d10	20) Naphthalene-d8							
64) Phenarthrene-did	38) Acenaphthene-d10							
System Monitoring Compounds   3,538   96   6613   7.045   ng/ul   0.00	64) Phenanthrene-d10							
System   Monitoring   Compounds   3	79) Chrysene-d12							
3) 1,4-Dioxane-d8 3) 1,538 96 4) Pyridine-d5 3) 96 84 47924 17,399 ng/ul -0.01 7) Phenol-d5 7) 7,357 99 60287 18,700 ng/ul -0.00 9) Bis-(2-Chloroethyl)eth 7,516 67 38342 18,936 ng/ul -0.00 1) 2-Chlorophenol-d4 7,727 132 44843 19,316 ng/ul -0.00 1) 2-Chlorophenol-d8 8,914 113 49333 18,962 ng/ul -0.00 1) 4-Methylphenol-d8 8,914 113 49333 18,962 ng/ul -0.00 1) 4-Methylphenol-d4 10,101 143 27258 18,668 ng/ul -0.00 2) Nitrobenzene-d5 9) 378 128 23094 17,842 ng/ul -0.00 1) 4-Chloroantiline -d4 10,101 143 27258 18,668 ng/ul -0.00 1) 1-Chloroantiline -d4 11,164 131 65304 18,015 ng/ul -0.00 1) 1-Chloroantiline -d4 11,164 131 65304 18,015 ng/ul -0.00 1) 1-Chloroantiline -d4 11,164 131 65304 18,015 ng/ul -0.00 1) Acenaphthylene-d8 14,531 160 183675 18,742 ng/ul -0.00 1,4-Dioxintro-2-methylph 15,953 200 20851 15,530 ng/ul -0.00 1) 1,4-Dioxintro-2-methylph 15,953 200 20851 15,530 ng/ul -0.00 1) 1,4-Dioxane 3,579 88 7176 6.778 ng/ul -0.00 1) Pyrene-d10 19,960 212 217474 18,568 ng/ul -0.00 1) Benzo(a)pyrene-d12 25,048 264 188442 18,287 ng/ul -0.00 1) Benzolalehyde 7,334 77 44509 21,679 ng/ul -0.00 1) Pyridine 3,991 79 50871 17,749 ng/ul -96 1) Pyridine 3,991 79 50871 17,749 ng/ul -96 1) Pyridine 3,991 79 50871 17,749 ng/ul -96 1) Bis(2-Chloroethyl)ether 7,610 93 47174 18,670 ng/ul -96 1) 2-Chlorophenol 8,644 108 47395 19,051 ng/ul -96 1) 2-Methylphenol 8,644 108 47395 19,051 ng/ul -96 1) 2-Methylphenol 8,644 108 47395 19,051 ng/ul -96 1) N-Mitroso-di-n-propyla 9,062 76 43843 18,993 ng/ul -98 1) 4-Methylphenol 9,025 105 75225 18,694 ng/ul -99 1) Hexachloroethane 9,284 117 18643 18,993 ng/ul -99 1) Hexachloroethane 9,037 82 118355 17,949 ng/ul -99 2) 2,4-Dichlorophenol 10,677 162 44620 18,297 ng/ul -99 2) 2,4-Dichlorophenol 10,677 162 44620 18,297 ng/ul -99 2) 2,4-Dichlorophenol 10,677 162 44620 18,297 ng/ul -99 3) Hexachlorobutadiene 11,341 225 29289 17,412 ng/ul -99 3) Hexachlorobutadiene 11,341 225 29289 17,412 ng/ul -99 3) Hexachlorobutadiene 11,361 225 29289 17,412 ng/ul -99 3) Hexachlorobutadiene 11,361 225 29	88) Perylene-d12	25.283	264	192943	20.000 116/ 42			
3) 1,4-Dioxane-d8 3) 1,538 96 4) Pyridine-d5 3) 96 84 47924 17,399 ng/ul -0.01 7) Phenol-d5 7) 7,357 99 60287 18,700 ng/ul -0.00 9) Bis-(2-Chloroethyl)eth 7,516 67 38342 18,936 ng/ul -0.00 1) 2-Chlorophenol-d4 7,727 132 44843 19,316 ng/ul -0.00 1) 2-Chlorophenol-d8 8,914 113 49333 18,962 ng/ul -0.00 1) 4-Methylphenol-d8 8,914 113 49333 18,962 ng/ul -0.00 1) 4-Methylphenol-d4 10,101 143 27258 18,668 ng/ul -0.00 2) Nitrobenzene-d5 9) 378 128 23094 17,842 ng/ul -0.00 1) 4-Chloroantiline -d4 10,101 143 27258 18,668 ng/ul -0.00 1) 1-Chloroantiline -d4 11,164 131 65304 18,015 ng/ul -0.00 1) 1-Chloroantiline -d4 11,164 131 65304 18,015 ng/ul -0.00 1) 1-Chloroantiline -d4 11,164 131 65304 18,015 ng/ul -0.00 1) Acenaphthylene-d8 14,531 160 183675 18,742 ng/ul -0.00 1,4-Dioxintro-2-methylph 15,953 200 20851 15,530 ng/ul -0.00 1) 1,4-Dioxintro-2-methylph 15,953 200 20851 15,530 ng/ul -0.00 1) 1,4-Dioxane 3,579 88 7176 6.778 ng/ul -0.00 1) Pyrene-d10 19,960 212 217474 18,568 ng/ul -0.00 1) Benzo(a)pyrene-d12 25,048 264 188442 18,287 ng/ul -0.00 1) Benzolalehyde 7,334 77 44509 21,679 ng/ul -0.00 1) Pyridine 3,991 79 50871 17,749 ng/ul -96 1) Pyridine 3,991 79 50871 17,749 ng/ul -96 1) Pyridine 3,991 79 50871 17,749 ng/ul -96 1) Bis(2-Chloroethyl)ether 7,610 93 47174 18,670 ng/ul -96 1) 2-Chlorophenol 8,644 108 47395 19,051 ng/ul -96 1) 2-Methylphenol 8,644 108 47395 19,051 ng/ul -96 1) 2-Methylphenol 8,644 108 47395 19,051 ng/ul -96 1) N-Mitroso-di-n-propyla 9,062 76 43843 18,993 ng/ul -98 1) 4-Methylphenol 9,025 105 75225 18,694 ng/ul -99 1) Hexachloroethane 9,284 117 18643 18,993 ng/ul -99 1) Hexachloroethane 9,037 82 118355 17,949 ng/ul -99 2) 2,4-Dichlorophenol 10,677 162 44620 18,297 ng/ul -99 2) 2,4-Dichlorophenol 10,677 162 44620 18,297 ng/ul -99 2) 2,4-Dichlorophenol 10,677 162 44620 18,297 ng/ul -99 3) Hexachlorobutadiene 11,341 225 29289 17,412 ng/ul -99 3) Hexachlorobutadiene 11,341 225 29289 17,412 ng/ul -99 3) Hexachlorobutadiene 11,361 225 29289 17,412 ng/ul -99 3) Hexachlorobutadiene 11,361 225 29	22 223 MB 1-3							
3 1,4-Dioxane-08	System Monitoring Compounds	3 530	06	6613	7 045 ng/ul	0.00		
7, PyPrinch (1977) 7) Phenol (1977) 7) Phenol (1977) 7) Phenol (1977) 7) Phenol (1977) 8) Bis (2-Chloroethyl)eth (7, 516) 8) Bis (2-Chloroethyl)eth (8, 114) 113 (1978) 124 (1978) 125 (1978) 126 (1978) 127 (1978) 127 (1978) 128 (1978) 129								
7) Phenol-d5 9 Bis-(2-Chloropethyl)eth 7.516 67 38342 18.936 ng/ul 0.00 11) 2-Chlorophenol-d4 7.777 132 44843 19.316 ng/ul 0.00 15) 4-Methylphenol-d8 8.914 113 49333 18.962 ng/ul 0.00 24) 2-Nitrophenol-d4 10.101 143 27258 18.668 ng/ul 0.00 24) 2-Nitrophenol-d3 10.647 165 45826 18.498 ng/ul 0.00 28) 2,4-Dichlorophenol-d3 10.647 165 45826 18.498 ng/ul 0.00 31) 4-Chloroaniline-d4 11.164 131 65304 18.015 ng/ul 0.00 46) Dimethylphthalate-d6 14.226 166 140199 18.039 ng/ul 0.00 47) Acenaphthylene-d8 14.531 160 183675 18.742 ng/ul 0.00 48) Acenaphthylene-d8 15.048 143 19124m 15.202 ng/ul 0.00 69) Fluorene-d10 15.048 143 19124m 15.228 ng/ul 0.00 60) Fluorene-d10 17.680 188 176 127567 18.742 ng/ul 0.00 61) 4,6-Dinitro-2-methylph 15.933 200 20851 15.530 ng/ul 0.00 61) 4,6-Dinitro-2-methylph 15.933 200 20851 15.530 ng/ul 0.00 61) 4,6-Dinitro-2-methylph 15.933 200 20851 15.530 ng/ul 0.00 61) 4,6-Dinitro-2-methylph 25.048 264 188442 18.287 ng/ul 0.00 61) 4,6-Dinitro-2-methylph 25.048 264 188442 18.287 ng/ul 0.00 61) 9,8-Dinitro-2-methylph 25.048 264 188442 18.287 ng/ul 0.00 61) 9,9-Dinitro-2-methylph 25.048 264 188442 18.287 ng/ul 0.00 61) 13 2-Methylphenol 7.763 128 45608 19.278 ng/ul 96 61) 13 2-Methylphenol 7.763 128 45608 19.278 ng/ul 96 61) 13 2-Methylphenol 7.763 128 45608 19.278 ng/ul 96 61) 13 2-Methylphenol 8.644 ng 47395 19.051 ng/ul 96 61) 13 2-Methylphenol 8.644 ng 47395 19.051 ng/ul 96 61) 13 2-Methylphenol 8.979 108 50156 18.899 ng/ul 98 61) 19 Hexachloroethane 9.284 117 18643 18.657 ng/ul 99 61) 19 Hexachloroethane 9.284 117 18643 18.657 ng/ul 99 62) 19 19 Hexachloroethane 9.941 77 63423 18.999 ng/ul 98 61) 2.78 inspherone 9.937 82 118355 17.949 ng/ul 99 62) 2.4-Dinethylphenol 10.130 139 27994 18.510 ng/ul 99 62) 2.4-Dinethylphenol 10.130 139 27994 18.510 ng/ul 99 63 18.627 ng/ul 99 64 27.4-Dichorophenol 10.412 93 66043 18.142 ng/ul 99 65 18.627 chlorophenol 10.412 93 66043 18.142 ng/ul 99 65 18.627 chlorophenol 10.412 93 66043 18.297 ng/ul 99 67 18.627 chlorophenol 10.412 93 66043 18.297 ng/ul 99 68								
9) Bis-(2-Chlorocthyl)eth 1) 2-Chlorophenol-d4 7.727 132 44843 19.316 ng/ul 0.00 1) 4-Methylphenol-d8 8.914 113 49333 18.962 ng/ul 0.00 2) Nitrobenzene-d5 9.378 128 23094 17.842 ng/ul 0.00 2) Nitrobenzene-d5 10.101 143 27258 18.668 ng/ul 0.00 2) Nitrobenzene-d5 110.101 143 27258 18.668 ng/ul 0.00 2) Nitrobenzene-d5 110.101 143 27258 18.668 ng/ul 0.00 2) Nitrobenzene-d5 110.101 143 27258 18.668 ng/ul 0.00 2) Nitrobenzene-d6 110.101 143 27258 18.668 ng/ul 0.00 2) Nitrobenzene-d8 14.531 160 183675 18.742 ng/ul 0.00 2) Nitrobenzene-d10 15.818 176 127567 18.742 ng/ul 0.00 2) Nitrobenzene-d10 17.688 188 194050 18.648 ng/ul 0.00 2) Nitrobenzene-d12 25.048 264 188442 18.287 ng/ul 0.00 2) Nitrobenzene-d12 25.048 264 188442 18.287 ng/ul 0.00 2) Nitrobenzene-d12 25.048 264 188442 18.287 ng/ul 0.00 2) Nitrobenzene 17.661 93 47174 18.670 ng/ul 96 3) Pyrenidine 3.991 79 50871 17.749 ng/ul 99 40 10 10 10 10 10 10 10 10 10 10 10 10 10	7) Phenol-d5							
11) 2-Chlorophenol-d4 15	<li>9) Bis-(2-Chloroethyl)eth</li>						•	
15) 4-Methylphenol-08 21) Nitrobenzene-d5 22) 2.Nitropenol-d4 22) 2-Nitropenol-d4 23) 2.4-Oichlorophenol-d3 24) 2.4-Oichlorophenol-d3 25) 3.4-Chloroaniline-d4 26) 2.4-Oichlorophenol-d3 27) 3.4-Chloroaniline-d4 28) 2.4-Oichlorophenol-d3 28) 2.4-Oichlorophenol-d3 29) 3.4-Chloroaniline-d4 20) 2.4-Oichlorophenol-d3 20) 4.6-Oichlorophenol-d3 21) 4.4-Chloroaniline-d4 21) 1.6-647 22) 2.4-Oichlorophenol-d4 23) 4.6-Oichlorophenol-d8 24) 2.4-Oichlorophenol-d8 25) 26 26) 27 27 28 28 29.4-Oichlorophenol-d8 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	11) 2-Chlorophenol-d4							
21) Nitrobenzene-ds	<pre>15) 4-Methylphenol-d8</pre>							
28   2,4-Dichlorophenol	21) Nitrobenzene-d5							
28) 2,4-Dichlorophenol-03 31) 4-Chloroaniline-d4 41) 11.164 4131 65304 48) Dimethylphthalate-d6 414.226 49) Acenaphthylene-d8 41.531 40-14-Nethylphthalate-d6 41.5.048 43.19124m 54.4-Nitrophenol-d4 45.048 46) Pluorene-d10 47.680 48) Acenaphthylene-d8 48) Acenaphthylene-d8 49) Acenaphthylene-d8 40-15.048 41.331 40-15.048 41.331 40-15.048 42.15.048 43.19124m 45.222 ng/ul 40.00 46.06 Pluorene-d10 47.680 481 Pyrene-d10 49.960 412 41.7680 418.9450 418.228 ng/ul 40.00	24) 2-Nitrophenol-d4							
31) 4-Chloroaniline-d4 46) Dimethylphthalate-d6 46) Dimethylphthalate-d6 47.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 166 48.226 167 48.226 166 48.226 167 48.226 166 48.226 18.226 18.226 18.228 18.228 18.21 48.228 18.21 0.00 48.	28) 2,4-Dichlorophenol-d3							
49) Acenaphthylene-d8 14.531 160 183675   18.742 ng/ul 0.00   1.764   16.00   16.00   17.00   18.228 ng/ul 0.00   18.228 ng/ul	31) 4-Chloroaniline-d4	1 <del></del> 1					10	
15.40   15.4	46) Dimethylphthalate-d6		2-13-13-200				1701	
54) 4-Nitrophenol-d4	49) Acenaphthylene-d8			200 20 700			1112	
15.530 mg/ul   0.00					18 228 ng/ul			
65) 4,6-Dinitro-2-methylph 13.93	60) Fluorene-d10							
73) Anthracene-d10 19.960 212 217474 18.568 ng/ul 0.00 92) Benzo(a)pyrene-d12 25.048 264 188442 18.287 ng/ul 0.00    Target Compounds	65) 4,6-Dinitro-2-methylph							
Sample   S								
Target Compounds 2) 1,4-Dioxane 3.579 88 7176 6.778 ng/ul 93 5) Pyridine 3.991 79 50871 17.749 ng/ul 99 6) Benzaldehyde 7.334 77 44509 21.679 ng/ul 96 8) Phenol 7.387 94 63214 18.927 ng/ul 98 10) Bis(2-Chloroethyl)ether 7.610 93 47174 18.670 ng/ul 96 12) 2-Chlorophenol 7.763 128 45608 19.278 ng/ul 96 13) 2-Methylphenol 8.644 108 47395 19.051 ng/ul 95 14) 2,2'-oxybis(1-Chloropr 8.720 45 68910 18.899 ng/ul 98 16) Acetophenone 9.026 105 75225 18.694 ng/ul 100 17) N-Nitroso-di-n-propyla 9.002 70 43843 18.959 ng/ul 95 18) 4-Methylphenol 8.979 108 50156 18.855 ng/ul 99 19) Hexachloroethane 9.284 117 18643 18.657 ng/ul 97 22) Nitrobenzene 9.419 77 63423 18.687 ng/ul 97 22) Nitrobenzene 9.419 77 63423 18.687 ng/ul 97 23) Isophorone 9.937 82 118355 17.949 ng/ul 99 25) 2-Nitrophenol 10.130 139 27994 18.510 ng/ul 98 26) 2,4-Dimethylphenol 10.130 139 27994 18.510 ng/ul 99 27) Bis(2-Chloroethoxy)met 10.412 93 66043 18.142 ng/ul 99 29) 2,4-Dichlorophenol 10.677 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 31) Hexachlorobutadiene 11.188 127 65131 17.898 ng/ul 97 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam	81) Pyrene-d10							
Target Compounds 2) 1,4-Dioxane 3,591 79 50871 17.749 ng/ul 99 5) Pyridine 3,991 79 50871 17.749 ng/ul 99 6) Benzaldehyde 7,334 77 44509 21.679 ng/ul 96 8) Phenol 7,387 94 63214 18.927 ng/ul 98 10) Bis(2-Chloroethyl)ether 7,610 93 47174 18.670 ng/ul 96 12) 2-Chlorophenol 7,763 128 45608 19.278 ng/ul 96 13) 2-Methylphenol 8,644 108 47395 19.051 ng/ul 95 14) 2,2'-oxybis(1-Chloropr 8.720 45 68910 18.899 ng/ul 98 16) Acetophemone 9,026,105 75225 18.694 ng/ul 100 17) N-Nitroso-di-n-propyla 9.002 70 43843 18.959 ng/ul 95 18) 4-Methylphenol 19) Hexachloroethane 9,284 117 18643 18.657 ng/ul 97 19) Hexachloroethane 9,419 77 63423 18.687 ng/ul 97 22) Nitrobenzene 9,419 77 63423 18.687 ng/ul 97 23) Isophorone 9,937 82 118355 17.949 ng/ul 99 25) 2-Nitrophenol 10,130 139 27994 18.510 ng/ul 98 26) 2,4-Dimethylphenol 10,183 107 57759 18.679 ng/ul 99 27) Bis(2-Chloroethoxy)met 10,412 93 66043 18.142 ng/ul 99 29) 2,4-Dichlorophenol 10.671 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 31 Hexachlorobutadiene 11.188 127 65131 17.898 ng/ul 97 32 Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	92) Benzo(a)pyrene-d12	25.048	264	188442	10.207 116701	0.00		
Target Compounds 2) 1,4-Dioxane 3,591 79 50871 17.749 ng/ul 99 5) Pyridine 3,991 79 50871 17.749 ng/ul 99 6) Benzaldehyde 7,334 77 44509 21.679 ng/ul 96 8) Phenol 7,387 94 63214 18.927 ng/ul 98 10) Bis(2-Chloroethyl)ether 7,610 93 47174 18.670 ng/ul 96 12) 2-Chlorophenol 7,763 128 45608 19.278 ng/ul 96 13) 2-Methylphenol 8,644 108 47395 19.051 ng/ul 95 14) 2,2'-oxybis(1-Chloropr 8.720 45 68910 18.899 ng/ul 98 16) Acetophemone 9,026,105 75225 18.694 ng/ul 100 17) N-Nitroso-di-n-propyla 9.002 70 43843 18.959 ng/ul 95 18) 4-Methylphenol 19) Hexachloroethane 9,284 117 18643 18.657 ng/ul 97 19) Hexachloroethane 9,419 77 63423 18.687 ng/ul 97 22) Nitrobenzene 9,419 77 63423 18.687 ng/ul 97 23) Isophorone 9,937 82 118355 17.949 ng/ul 99 25) 2-Nitrophenol 10,130 139 27994 18.510 ng/ul 98 26) 2,4-Dimethylphenol 10,183 107 57759 18.679 ng/ul 99 27) Bis(2-Chloroethoxy)met 10,412 93 66043 18.142 ng/ul 99 29) 2,4-Dichlorophenol 10.671 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 31 Hexachlorobutadiene 11.188 127 65131 17.898 ng/ul 97 32 Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	V6.				Ov	alue		
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6) Benzaldehyde 7.334 77 44509 21.679 ng/ul 96 8) Phenol 7.387 94 63214 18.927 ng/ul 98 10) Bis(2-Chloroethyl)ether 7.610 93 47174 18.670 ng/ul 96 12) 2-Chlorophenol 7.763 128 45608 19.278 ng/ul 96 13) 2-Methylphenol 8.644 108 47395 19.051 ng/ul 95 14) 2,2'-oxybis(1-Chloropr 8.720 45 68910 18.899 ng/ul 98 16) Acetophenone 9.026 105 75225 18.694 ng/ul 100 17) N-Nitroso-di-n-propyla 9.002 70 43843 18.959 ng/ul 95 18) 4-Methylphenol 8.979 108 50156 18.855 ng/ul 99 19) Hexachloroethane 9.284 117 18643 18.657 ng/ul 97 19) Hexachloroethane 9.419 77 63423 18.687 ng/ul 97 22) Nitrobenzene 9.419 77 63423 18.687 ng/ul 97 23) Isophorone 9.937 82 118355 17.949 ng/ul 99 25) 2-Nitrophenol 10.130 139 27994 18.510 ng/ul 98 26) 2,4-Dimethylphenol 10.183 107 57759 18.679 ng/ul 99 27) Bis(2-Chloroethoxy)met 10.412 93 66043 18.142 ng/ul 99 29) 2,4-Dichlorophenol 10.677 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 31) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 32) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97								
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10) Bis(2-Chloroethyl)ether 7.016 93 474 100 100 120 120 120 120 120 120 120 120	8) Phenol							
12) 2-Chlorophenol 7.763 128 47395 19.051 ng/ul 95 13) 2-Methylphenol 8.644 108 47395 19.051 ng/ul 98 14) 2,2'-oxybis(1-Chloropr 8.720 45 68910 18.899 ng/ul 98 16) Acetophenone 9.026 105 75225 18.694 ng/ul 100 17) N-Nitroso-di-n-propyla 9.002 70 43843 18.959 ng/ul 95 18) 4-Methylphenol 8.979 108 50156 18.855 ng/ul 99 19) Hexachloroethane 9.284 117 18643 18.657 ng/ul 97 20) Nitrobenzene 9.419 77 63423 18.687 ng/ul 97 21) Nitrobenzene 9.937 82 118355 17.949 ng/ul 99 23) Isophorone 9.937 82 118355 17.949 ng/ul 99 25) 2-Nitrophenol 10.130 139 27994 18.510 ng/ul 98 26) 2,4-Dimethylphenol 10.183 107 57759 18.679 ng/ul 99 27) Bis(2-Chloroethoxy)met 10.412 93 66043 18.142 ng/ul 99 29, 2,4-Dichlorophenol 10.677 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 32) 4-Chloroaniline 11.188 127 65131 17.898 ng/ul 99 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	10) Bis(2-Chloroethyl)ether					99999 <b>.</b>		
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16) Acetophenone 17) N-Nitroso-di-n-propyla 9.002 70 43843 18.959 ng/ul 95 18) 4-Methylphenol 8.979 108 50156 18.855 ng/ul 99 19) Hexachloroethane 9.284 117 18643 18.657 ng/ul 97 22) Nitrobenzene 9.419 77 63423 18.687 ng/ul 97 23) Isophorone 9.937 82 118355 17.949 ng/ul 99 25) 2-Nitrophenol 10.130 139 27994 18.510 ng/ul 98 26) 2,4-Dimethylphenol 10.183 107 57759 18.679 ng/ul 99 27) Bis(2-Chloroethoxy)met 10.412 93 66043 18.142 ng/ul 99 29) 2,4-Dichlorophenol 10.677 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 32) 4-Chloroaniline 11.188 127 65131 17.898 ng/ul 99 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	14) 2,2'-oxybis(1-Chloropr	8.720						
17) N-Nitroso-di-n-propyla 9.002 70 43043 18.007 18.00 19	16) Acetophenone							
18) 4-Methylphenol 8.9/9 168 3030 18.657 ng/ul 97 19) Hexachloroethane 9.284 117 18643 18.657 ng/ul 97 22) Nitrobenzene 9.419 77 63423 18.687 ng/ul 97 23) Isophorone 9.937 82 118355 17.949 ng/ul 99 25) 2-Nitrophenol 10.130 139 27994 18.510 ng/ul 98 26) 2,4-Dimethylphenol 10.183 107 57759 18.679 ng/ul 99 27) Bis(2-Chloroethoxy)met 10.412 93 66043 18.142 ng/ul 99 29) 2,4-Dichlorophenol 10.677 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 32) 4-Chloroaniline 11.188 127 65131 17.898 ng/ul 99 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97								
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22) Nitrodenzene 23) Isophorone 24) 180 190 190 190 190 190 190 190 190 190 19						15		
23) Isophorone 25) 2-Nitrophenol 26) 2,4-Dimethylphenol 27) Bis(2-Chloroethoxy)met 29) 2,4-Dichlorophenol 29) 2,4-Dichlorophenol 29) 2,4-Dichlorophenol 29) 2,4-Dichlorophenol 29) 2,4-Dichlorophenol 29) 2,4-Dichlorophenol 20) Naphthalene 21) 1.076 228 152628 230 Naphthalene 24 26 27 27 28 29 28 29 28 29 28 29 28 29 29 29 29 29 29 29 29 29 29 29 29 29	22) Nitrobenzene					99	•	
25) 2-Nitrophenol 10.183 107 57759 18.679 ng/ul 99 26) 2,4-Dimethylphenol 10.412 93 66043 18.142 ng/ul 99 27) Bis(2-Chloroethoxy)met 10.412 93 66043 18.142 ng/ul 99 29) 2,4-Dichlorophenol 10.677 162 44620 18.297 ng/ul 95 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 32) 4-Chloroaniline 11.188 127 65131 17.898 ng/ul 99 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97								
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27) Bis(2-Chloroethoxy)met 10.412	26) 2,4-Dimethylphenol							
29) 2,4-Dichlorophenol 10.677 102 4-526 18.293 ng/ul 97 30) Naphthalene 11.076 128 152628 18.293 ng/ul 97 32) 4-Chloroaniline 11.188 127 65131 17.898 ng/ul 99 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	27) Bis(2-Chloroethoxy)met	10.414						
30) Naphthalene 11.188 127 65131 17.898 ng/ul 99 32) 4-Chloroaniline 11.188 127 65131 17.898 ng/ul 97 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	29) 2,4-Dichlorophenol							
32) 4-Chlorodalline 33) Hexachlorobutadiene 11.341 225 29289 17.412 ng/ul 97 34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	30) Naphthalene				17.898 ng/ul			
34) Caprolactam 11.952 113 16820 17.544 ng/ul 97	32) 4-Chloroaniline				17.412 ng/ul			
34) Capi Otaccam 00	33) Hexachlorobutadiene				17.544 ng/ul			
35) 4-Chloro-3-methylphenol 12.304 107 33024 10.703 118, 12	34) Caprolactam							
	35) 4-Chloro-3-methylphenol	12.302	+ 10/	JJ024	20., 35 ,,6, 42			

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112321\

Data File : BG051240.D

: 25 Nov 2021 11:10 Acq On

Operator : CG/JU : SSTDCCC020 Sample

Misc

Sample Multiplier: 1 ALS Vial : 63

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION QLast Update : Wed Nov 24 06:04:50 2021 Response via : Initial Calibration

nstrument :	
BNA_G	
abSampleId	
STDCCC020	

# **Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/30/2021 Supervised By :Sohil Jodhani 11/30/2021

QLast opuate : Initial Calibration Response via : Initial Calibration	ľ			700 444	. Sur	pervised By :Sohil Jodhai
Response 410		OTOR	Response	Conc Units Dev(M	in)	·
Compound	R.T.	Ózon				
		142	103343	18.210 ng/ul	100 99	
26) 2-MethVlnaphthatene	12.669	142	105912	18.140 ng/ul		
- A MathylnannThdlene	12.886	216	60284	19.011 ng/ul	96 05	
A A A E-TATPACILLOI OUCH	13.033	237	19454	15.178 ng/ul	95	
AN HAVECH LOPOCYCLOPER COMP	12.998	196	38271	19.233 ng/ul	98	
44 \ 2 4 6-Tr1ch10l-Ophenor	13.274		38525	18.488 ng/ul	97 26	
42) 2,4,5-Trichlorophenol	13.356	196	142340	18.868 ng/ul	96	
43) 1,1'-Biphenyl	13.662	154	113162	18.857 ng/ul	99	
44) 2-Chloronaphthalene	13.714	162	39382	18.961 ng/ul	90	
45) 2-Nitroaniline	13.920	65	141162	17.944 ng/ul	98	
47) Dimethylphthalate	14.273		30426	18.413 ng/ul	96	
48) 2,6-Dinitrotoluene	14.408		181772	18.774 ng/ul	98	
48) 2,6-Dillici George	14.55		32147	19.681 ng/ul	95	
50) Acenaphthylene	14.74			18.552 ng/ul	96	
51) 3-Nitroaniline	14.89		40707	13.930 ng/ul	<b>91</b> .	1
52) Acenaphthene	14.96			18.135 ng/ul	90	
53) 2,4-Dinitrophenol	15.06	6 109	19791	18.377 ng/ul	98	
55) 4-Nitrophenol	15.23			17.849 ng/ul	97	
56) Dibenzofuran	15.20	165	42127	17.532 ng/ul	96	
- A DINITPOTOLUCIE	15.45	9 232	28688	17.938 ng/ul	98	
58) 2.3.4.6-Tellacition opin	15.62	24 149	148125	18.137 ng/ul	99	
59) Diethylphthalace	15.8		6 133807		94	
clenong		59 20	4 71027		96	
62) 4-Chloropheny1-pheny1ctiv	15.9	96 13		202 pg/ul	97	
> 4 Ni+naanlllDC			8 19919	(11)	<u></u>	
cc\ A 6_Dinitro-2-Methy+P****	16.0		9 118565	19.034 ng/ul	94	
MINITEDACONTRIBUTION		52 24			98	2V
col A-Bromophenyi-Phenyi-Carre	16.8	81 28	34 44130	18.559 ng/ul		70/30/5/
69) Hexachlorobelizelle	17.6		oo 48177			1112
70\ Atrazine	17.	34 2	66 17259	om 16.380 ng/ul	99	
71) Pentachlorophenoi	17.	522 1	78 21830	18.171 ng/u		
72) Phenanthrene	17.		78 22221	2 18.624 ng/u		
A Lhancana			16 6378			
7cl 1 2 3.4-Tetrachionobeni	15		50 5704	9 19.292 ng/u	-	
76) Pentachlorobenzene			67 19737	4 18.846 ng/u	-	
77) Carhazole			49 25150	0 18.624 ng/u		
78) Di-n-butylphthalace	10.	625	202 26405	:4 18.356 ՈԱ/Կ		
80) Fluoranthene	10		202 26023	18.492 ng/u		
an) Dyrene	19	:847	149 1098	58 18.779 ng/ u	10	
- N D. +VI honZVIDILIId±0°C	20		252 857	ςς 19.028 η <b>8</b> /1		
DAY 3 3'-Dichtoropenziario	71	.13	228 2403	AR 18.30/ NB/		
+=\ n===o(=)antill'dcelle		858	149 1579	ад 18.75/ ПВ/	u	
86) Bis(2-ethylhexyl)phtha			228 2294	as 18.189 ng/	u.	
oz) Chrysene		.928	149 2655	19.001 ng/	ul 100	
on Di-n-octvl phthalace	22	.986	252 2436	20 18.710 ng/	ul 99	
on Bonzo(b)fluoranthene		1.190	240/	17.89/ NB/	/ul 9!	•
91) Benzo(k)fluoranthene		1.261	All the second s	sa1 18.555 ng/	/ul 9	~ 1 3 1
\ n+a(3)nVrene		5.119		205 18.510 ng.	/ul 9	1 3016
and Indepo(1.2.3-Cu)Pyrein	400	9.202		140 a 18.073 ng	/ul 9	ו ו ו
95) Dibenzo(a,h)anthracene	2	9.255		360m 18.243 ng	/ul	
96) Benzo(g,h,i)perylene	3	0.418	276 213			
96) Relizo(8):11-7-1-				350.00		
				+ion(+) = signa	ls summed	1

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