

EPA Method 1613  
PCDD/F



FAL ID: 6273-006-SA  
Client ID: PSB06-1.5-2.0-072810  
Matrix: Soil  
Batch No: X2076

Date Extracted: 08-09-2010  
Date Received: 08-04-2010  
Amount: 4.45 g  
% Solids: 92.95

ICal: PCDDFAL3-5-12-10  
GC Column: DB5  
Units: pg/g

Acquired: 08-10-2010  
2005 WHO TEQ: 702

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	12.3	-		12.3	0.0262				
1,2,3,7,8-PeCDD	67.3	-		67.3	0.0442				
1,2,3,4,7,8-HxCDD	93.6	-		9.36	0.0486				
1,2,3,6,7,8-HxCDD	701	-		70.1	0.0586	Total TCDD	205		-
1,2,3,7,8,9-HxCDD	285	-		28.5	0.0529	Total PeCDD	610		-
1,2,3,4,6,7,8-HpCDD	30900	-	*	309	0.0954	Total HxCDD	5320		-
OCDD	329000	-	*	98.7	0.154	Total HpCDD	65400		-
2,3,7,8-TCDF	1.31	-		0.131	0.0205				
1,2,3,7,8-PeCDF	4.75	-	J	0.142	0.0298				
2,3,4,7,8-PeCDF	8.94	-		2.68	0.0313				
1,2,3,4,7,8-HxCDF	63.1	-		6.31	0.0308				
1,2,3,6,7,8-HxCDF	40.5	-		4.05	0.0317				
2,3,4,6,7,8-HxCDF	72.3	-		7.23	0.0341				
1,2,3,7,8,9-HxCDF	8.30	-		0.830	0.0387	Total TCDF	58.2		-
1,2,3,4,6,7,8-HpCDF	7290	-	*	72.9	0.0418	Total PeCDF	339		-
1,2,3,4,7,8,9-HpCDF	157	-		1.57	0.0429	Total HxCDF	4480		-
OCDF	36200	-	*	10.9	0.105	Total HpCDF	26600		-

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	104	25.0 - 164	
13C-1,2,3,7,8-PeCDD	109	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	109	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	97.1	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	102	23.0 - 140	*
13C-OCDD	97.6	17.0 - 157	*
13C-2,3,7,8-TCDF	106	24.0 - 169	
13C-1,2,3,7,8-PeCDF	104	24.0 - 185	
13C-2,3,4,7,8-PeCDF	107	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	115	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	104	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	102	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	107	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	96.5	28.0 - 143	*
13C-1,2,3,4,7,8,9-HpCDF	109	26.0 - 138	
13C-OCDF	99.4	17.0 - 157	*
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	97.1	35.0 - 197	

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: J  
Date: 8/16/10

Reviewed By: DN  
Date: 8/16/10

EPA Method 1613  
PCDD/F



FAL ID: 6273-007-SA  
Client ID: PSB06-1.5-2.0-072810D  
Matrix: Soil  
Batch No: X2076

Date Extracted: 08-09-2010  
Date Received: 08-04-2010  
Amount: 4.74 g  
% Solids: 85.17

ICal: PCDDFAL3-5-12-10  
GC Column: DB5  
Units: pg/g

Acquired: 08-10-2010  
2005 WHO TEQ: 580

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	12.2	-		12.2	0.0262				
1,2,3,7,8-PeCDD	68.2	-		68.2	0.0442				
1,2,3,4,7,8-HxCDD	93.3	-		9.33	0.0486				
1,2,3,6,7,8-HxCDD	601	-		60.1	0.0586	Total TCDD	209	-	
1,2,3,7,8,9-HxCDD	284	-		28.4	0.0529	Total PeCDD	628	-	
1,2,3,4,6,7,8-HpCDD	23700	-	*	237	0.0954	Total HxCDD	4790	-	
OCDD	255000	-	*	76.5	0.154	Total HpCDD	50900	-	*
2,3,7,8-TCDF	1.22	-		0.122	0.0205				
1,2,3,7,8-PeCDF	4.60	-	J	0.138	0.0298				
2,3,4,7,8-PeCDF	9.84	-		2.95	0.0313				
1,2,3,4,7,8-HxCDF	54.5	-		5.45	0.0308				
1,2,3,6,7,8-HxCDF	37.2	-		3.72	0.0317				
2,3,4,6,7,8-HxCDF	65.1	-		6.51	0.0341				
1,2,3,7,8,9-HxCDF	7.55	-		0.755	0.0387	Total TCDF	54.5	-	
1,2,3,4,6,7,8-HpCDF	5970	-	*	59.7	0.0418	Total PeCDF	306	-	
1,2,3,4,7,8,9-HpCDF	131	-		1.31	0.0429	Total HxCDF	3730	-	
OCDF	25700	-	*	7.71	0.105	Total HpCDF	20300	-	*

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	101	25.0 - 164	
13C-1,2,3,7,8-PeCDD	102	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	99.4	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	91.2	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	98.4	23.0 - 140	*
13C-OCDD	93.1	17.0 - 157	*
13C-2,3,7,8-TCDF	101	24.0 - 169	
13C-1,2,3,7,8-PeCDF	98.4	24.0 - 185	
13C-2,3,4,7,8-PeCDF	103	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	107	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	96.4	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	96.0	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	104	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	90.5	28.0 - 143	*
13C-1,2,3,4,7,8,9-HpCDF	104	26.0 - 138	
13C-OCDF	89.3	17.0 - 157	*

Cleanup Surrogate

37CI-2,3,7,8-TCDD 95.1 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: [Signature]  
Date: 8/16/10

Reviewed By: DN  
Date: 8/16/10

EPA Method 1613  
PCDD/F



FAL ID: 6273-008-SA  
Client ID: PSB07-0-0.5-072810  
Matrix: Soil  
Batch No: X2076

Date Extracted: 08-09-2010  
Date Received: 08-04-2010  
Amount: 4.24 g  
% Solids: 93.22

ICal: PCDDFAL3-5-12-10  
GC Column: DB5  
Units: pg/g

Acquired: 08-11-2010  
2005 WHO TEQ: 5.60

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.223		-	0.0262				
1,2,3,7,8-PeCDD	0.439	-	J	0.439	0.0442				
1,2,3,4,7,8-HxCDD	0.972	-	J	0.0972	0.0486				
1,2,3,6,7,8-HxCDD	5.94	-		0.594	0.0586	Total TCDD	0.794	-	J
1,2,3,7,8,9-HxCDD	2.40	-	J	0.240	0.0529	Total PeCDD	3.16	-	J
1,2,3,4,6,7,8-HpCDD	213	-		2.13	0.0954	Total HxCDD	34.0	-	
OCDD	2500	-		0.750	0.154	Total HpCDD	418	-	
2,3,7,8-TCDF	0.209	-	J	0.0209	0.0205				
1,2,3,7,8-PeCDF	ND	0.272		-	0.0298				
2,3,4,7,8-PeCDF	0.396	-	J	0.119	0.0313				
1,2,3,4,7,8-HxCDF	1.50	-	J	0.150	0.0308				
1,2,3,6,7,8-HxCDF	0.876	-	J	0.0876	0.0317				
2,3,4,6,7,8-HxCDF	1.39	-	J	0.139	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.312		-	0.0387	Total TCDF	3.34	-	
1,2,3,4,6,7,8-HpCDF	72.7	-		0.727	0.0418	Total PeCDF	7.04	-	
1,2,3,4,7,8,9-HpCDF	1.87	-	J	0.0187	0.0429	Total HxCDF	42.7	-	
OCDF	290	-		0.0870	0.105	Total HpCDF	223	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	104	25.0 - 164	
13C-1,2,3,7,8-PeCDD	106	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	108	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	96.8	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	97.1	23.0 - 140	
13C-OCDD	84.4	17.0 - 157	
13C-2,3,7,8-TCDF	109	24.0 - 169	
13C-1,2,3,7,8-PeCDF	107	24.0 - 185	
13C-2,3,4,7,8-PeCDF	113	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	107	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	97.8	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	102	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	111	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	93.0	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	103	26.0 - 138	
13C-OCDF	82.8	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 98.5 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: [Signature]  
Date: 8/12/10

Reviewed By: [Signature]  
Date: 8/12/10

EPA Method 1613  
PCDD/F



FAL ID: 6273-009-SA  
Client ID: PSB07-1.5-2.0-072810  
Matrix: Soil  
Batch No: X2076

Date Extracted: 08-09-2010  
Date Received: 08-04-2010  
Amount: 4.29 g  
% Solids: 77.33

ICal: PCDDFAL3-5-12-10  
GC Column: DB5  
Units: pg/g

Acquired: 08-12-2010  
2005 WHO TEQ: 0.0278

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.322		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.544		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.463		-	0.0486				
1,2,3,6,7,8-HxCDD	ND	0.552		-	0.0586	Total TCDD	ND	0.322	
1,2,3,7,8,9-HxCDD	ND	0.523		-	0.0529	Total PeCDD	ND	0.544	
1,2,3,4,6,7,8-HpCDD	1.68	-	J	0.0168	0.0954	Total HxCDD	ND	0.552	
OCDD	10.3	-	J	0.00309	0.154	Total HpCDD	3.62	-	J
2,3,7,8-TCDF	ND	0.146		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.298		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.292		-	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.341		-	0.0308				
1,2,3,6,7,8-HxCDF	ND	0.352		-	0.0317				
2,3,4,6,7,8-HxCDF	ND	0.385		-	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.440		-	0.0387	Total TCDF	ND	0.146	
1,2,3,4,6,7,8-HpCDF	0.786	-	J	0.00786	0.0418	Total PeCDF	ND	0.298	
1,2,3,4,7,8,9-HpCDF	ND	0.300		-	0.0429	Total HxCDF	ND	0.440	
OCDF	ND	0.941		-	0.105	Total HpCDF	1.41	-	J

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	101	25.0 - 164	
13C-1,2,3,7,8-PeCDD	113	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	106	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	99.6	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	101	23.0 - 140	
13C-OCDD	83.2	17.0 - 157	
13C-2,3,7,8-TCDF	102	24.0 - 169	
13C-1,2,3,7,8-PeCDF	102	24.0 - 185	
13C-2,3,4,7,8-PeCDF	104	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	124	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	118	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	116	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	126	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	111	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	134	26.0 - 138	
13C-OCDF	95.6	17.0 - 157	

Cleanup Surrogate

37CI-2,3,7,8-TCDD 103 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: DN  
Date: 8/13/10

Reviewed By: [Signature]  
Date: 8/13/10

EPA Method 1613  
PCDD/F



FAL ID: 6273-010-SA  
Client ID: PSB08-0.0-0.5-072810  
Matrix: Soil  
Batch No: X2076

Date Extracted: 08-09-2010  
Date Received: 08-04-2010  
Amount: 4.13 g  
% Solids: 92.17

ICal: PCDDFAL3-5-12-10  
GC Column: DB5  
Units: pg/g

Acquired: 08-11-2010  
2005 WHO TEQ: 0.193

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.425		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.611		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.632		-	0.0486				
1,2,3,6,7,8-HxCDD	ND	0.764		-	0.0586	Total TCDD	ND	0.425	
1,2,3,7,8,9-HxCDD	ND	0.716		-	0.0529	Total PeCDD	ND	0.611	
1,2,3,4,6,7,8-HpCDD	12.1	-		0.121	0.0954	Total HxCDD	ND	1.28	
OCDD	117	-		0.0351	0.154	Total HpCDD	23.3	-	
2,3,7,8-TCDF	ND	0.261		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.380		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.393		-	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.414		-	0.0308				
1,2,3,6,7,8-HxCDF	ND	0.437		-	0.0317				
2,3,4,6,7,8-HxCDF	ND	0.459		-	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.524		-	0.0387	Total TCDF	ND	0.261	
1,2,3,4,6,7,8-HpCDF	3.37	-	J	0.0337	0.0418	Total PeCDF	ND	0.393	
1,2,3,4,7,8,9-HpCDF	ND	0.500		-	0.0429	Total HxCDF	2.22	-	J
OCDF	12.1	-		0.00363	0.105	Total HpCDF	11.1	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	86.8	25.0 - 164	
13C-1,2,3,7,8-PeCDD	104	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	91.2	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	76.3	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	92.4	23.0 - 140	
13C-OCDD	82.0	17.0 - 157	
13C-2,3,7,8-TCDF	71.6	24.0 - 169	
13C-1,2,3,7,8-PeCDF	91.3	24.0 - 185	
13C-2,3,4,7,8-PeCDF	95.0	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	107	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	98.4	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	98.6	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	106	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	90.6	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	105	26.0 - 138	
13C-OCDF	88.5	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 91.3 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: [Signature]  
Date: 8/10/10

Reviewed By: [Signature]  
Date: 8/12/10

EPA Method 1613  
PCDD/F



FAL ID: 6273-011-SA  
Client ID: PSB08-1.5-2.0-072810  
Matrix: Soil  
Batch No: X2076

Date Extracted: 08-09-2010  
Date Received: 08-04-2010  
Amount: 4.16 g  
% Solids: 91.47

ICal: PCDDFAL3-5-12-10  
GC Column: DB5  
Units: pg/g

Acquired: 08-12-2010  
2005 WHO TEQ: 0.0542

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.285		-	0.0262				
1,2,3,7,8-PeCDD	ND	0.410		-	0.0442				
1,2,3,4,7,8-HxCDD	ND	0.532		-	0.0486				
1,2,3,6,7,8-HxCDD	ND	0.630		-	0.0586	Total TCDD	ND	0.660	
1,2,3,7,8,9-HxCDD	ND	0.599		-	0.0529	Total PeCDD	ND	0.410	
1,2,3,4,6,7,8-HpCDD	3.79	-	J	0.0379	0.0954	Total HxCDD	ND	0.630	
OCDD	35.3	-		0.0106	0.154	Total HpCDD	7.71	-	
2,3,7,8-TCDF	ND	0.117		-	0.0205				
1,2,3,7,8-PeCDF	ND	0.306		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.299		-	0.0313				
1,2,3,4,7,8-HxCDF	ND	0.271		-	0.0308				
1,2,3,6,7,8-HxCDF	ND	0.284		-	0.0317				
2,3,4,6,7,8-HxCDF	ND	0.308		-	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.367		-	0.0387	Total TCDF	ND	0.117	
1,2,3,4,6,7,8-HpCDF	0.530	-	J	0.00530	0.0418	Total PeCDF	ND	0.306	
1,2,3,4,7,8,9-HpCDF	ND	0.281		-	0.0429	Total HxCDF	0.514	-	J
OCDF	1.40	-	J	0.000420	0.105	Total HpCDF	1.77	-	J

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	105	25.0 - 164	
13C-1,2,3,7,8-PeCDD	117	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	106	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	97.7	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	98.6	23.0 - 140	
13C-OCDD	78.1	17.0 - 157	
13C-2,3,7,8-TCDF	102	24.0 - 169	
13C-1,2,3,7,8-PeCDF	104	24.0 - 185	
13C-2,3,4,7,8-PeCDF	108	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	128	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	119	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	119	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	124	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	110	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	130	26.0 - 138	
13C-OCDF	92.5	17.0 - 157	

Cleanup Surrogate

37Cl-2,3,7,8-TCDD 108 35.0 - 197

- A Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
- B Analyte is present in Method Blank
- C Chemical Interference
- D Presence of Diphenyl Ethers
- E Analyte concentration is above calibration range
- F Analyte confirmation on secondary column
- J Analyte concentration is below calibration range
- M Maximum possible concentration
- ND Analyte Not Detected
- NP Not Provided
- P Pre-filtered through a Whatman 0.7um GF/F filter
- S Sample acceptance criteria not met
- X Matrix interferences
- \* Result taken from dilution or reinjection

Analyst: [Signature]  
Date: 8/13/10

Reviewed By: [Signature]  
Date: 8/13/10

*02/3/10*  
*OC*

Laboratory: Frontier Analytical Laboratory  
 Lab Contact: BRAD SILVERBUSH  
 Lab Address: 5172 Hillisdale Circle  
 El Dorado Hills, CA 95762  
 Phone: 916-934-0900  
 Fax: 916-934-0999

ARI Client: Floyd/Snider  
 Project ID: Lora Lake RI  
 ARI PM: Sue Dunnihoo  
 Phone: 206-695-6207  
 Fax: 206-695-6201

*L4 + EDD*

Analytical Protocol: In-house  
 Special Instructions:

Requested Turn Around:  
 Email Results (Y/N): **Yes**

**Limits of Liability.** Subcontractor is expected to perform all requested services in accordance with appropriate methodology following Standard Operating Procedures that meet standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the negotiated amount for said services. The agreement by the Subcontractor to perform services requested by ARI releases ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Subcontractor.

ARI ID	Client ID/ Add'l ID	Sampled	Matrix	Bottles	Analyses
10-18258-RG59A	PSB04-0.0-0.5-072810	07/28/10 09:30	Soil	1	Dioxin/Furans 1613 (Sub)
Special Instructions: None					
10-18259-RG59B	PSB04-1.5-2.0-072810	07/28/10 09:33	Soil	1	Dioxin/Furans 1613 (Sub)
Special Instructions: None					
10-18260-RG59C	PSB05-0-0.5-072810	07/28/10 09:00	Soil	1	Dioxin/Furans 1613 (Sub)
Special Instructions: None					
10-18261-RG59D	PSB05-1.5-2.0-072810	07/28/10 09:01	Soil	1	Dioxin/Furans 1613 (Sub)
Special Instructions: None					
10-18262-RG59E	PSB06-0-0.5-072810	07/28/10 10:08	Soil	2	Dioxin/Furans 1613 (Sub)
Special Instructions: None <i>Run MS/MSD per Sue</i>					
10-18263-RG59F	PSB06-1.5-2.0-072810	07/28/10 10:22	Soil	1	Dioxin/Furans 1613 (Sub)
Special Instructions: None					
10-18264-RG59G	PSB06-1.5-2.0-072810	07/28/10 10:20	Soil	1	Dioxin/Furans 1613 (Sub)
Special Instructions: None <i>-D</i>					
10-18265-RG59H	PSB07-0-0.5-072810	07/28/10 07:59	Soil	1	Dioxin/Furans 1613 (Sub)
Special Instructions: None					

*PSB06-0.0-0.5-072810*

*17 837 695 01 5/20 3698*

Carrier <i>UPS</i>	Airbill <i>178326950150089501</i>	Date <i>8/3/10</i>
Relinquished by <i>Hikka Kulumba</i>	Company <i>ARI</i>	Date <i>8/3/10</i>
Received by <i>Tom Cralitue</i>	Company <i>Frontier Analytical</i>	Date <i>8/4/10</i>
		Time <i>10:10 AM</i>

SUBCONTRACTOR ANALYSIS REQUEST  
 CUSTODY TRANSFER 08/03/10



*6/23/10*

ARI Project: RG59

*149 EDD*

Laboratory: Frontier Analytical Laboratory  
 Lab Contact: BRAD SILVERBUSH

ARI Client: Floyd/Snider  
 Project ID: POS-LLA

ARI Sample ID	Client Sample ID/ Add'l Sample ID	Sampled	Matrix	Bottles	Analyses
10-18266-RG59I	PSB07-1.5-2.0-072810	07/28/10 07:59	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-18267-RG59J	PSB08-0.0-0.5-072810	07/28/10 11:03	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-18268-RG59K	PSB08-1.5-2.0-072810	07/28/10 11:06	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					

Carrier	<i>UPS</i>	Airbill	Date	<i>8/3/10</i>
Relinquished by	<i>Mikka Malumba</i>	Company	<i>ARI</i>	Date <i>8/3/10</i> Time <i>1:30</i>
Received by	<i>Tom Cialini</i>	Company	<i>Frontier Analytical</i>	Date <i>8/4/10</i> Time <i>10:40 AM</i>



## Frontier Analytical Laboratory

### Sample Login Form

FAL Project ID: **6273**

Client:	Analytical Resources Inc. Sue Dunnihoo
Client Project ID:	RG59
Date Received:	08/04/2010
Time Received:	10:40 am
Received By:	TC
Logged In By:	KZ
# of Samples Received:	11
Duplicates:	0
Storage Location:	R1

Method of Delivery:	UPS
Tracking Number:	1Z8326950151203698
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test for residual Chlorine	No
Thiosulfate Added	No
Earliest Sample Hold Time Expiration	07/28/2011
Adequate Sample Volume	Yes
Anomalies or additional comments:	
L4 DATA PACKAGE & EDD	



**Frontier Analytical Laboratory**  
**PROJECT REQUEST SHEET**

Project #: 6273                      Sample #: 1 - 11                      Client Manager: BS  
Client: Analytical Resources Inc. Sue Dunning                      Hold Time: 07/28/2011  
Matrix: Soil                      Extraction Batch: 2076                      Due Date: 08/26/2010  
Method: EPA 1613 D/F                      Storage: R1  
SOP: SOPs: EP2A Rev.7 IP2A Rev.8

**COMMENTS/INSTRUCTIONS:**

*MS-MSD on sample 5.*

Results: 6273  
6273D

Instrument:  
DB5 FAL-3  
DB225 \_\_\_\_\_  
DB1 \_\_\_\_\_  
Other \_\_\_\_\_

Extract/s located in box: "Yield"

Standards: 6273 + 6277

Frontier Analytical Laboratory  
Percent Solids

FAL Project: 6273

Sample ID	Chemist	Date	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv		
6273-001-0001-SA	DN	8.9.10	5.21g	4.73g	90.79	11.01g		
6273-002-0001-SA	↓	↓	6.11g	5.32g	87.07	11.49g		
6273-003-0001-SA			5.81g	5.39g	92.77	10.78g		
6273-004-0001-SA			4.36g	3.67g	84.17	11.88g		
6273-005-0001-SA			7.61g <del>6.22g</del> 8/9/10	6.88g	90.41	11.06g		
6273-005-0002-MS			7.61g	6.88g	90.41	11.06g		
6273-005-0002-MSD			↓	6.88g	90.41	11.06g		
6273-006-0001-SA			4.68g	4.35g	92.95	10.76g		
6273-007-0001-SA*			7.08g	6.03g	85.17	11.74g		
6273-008-0001-SA			6.05g	5.64g	93.22	10.73g		
6273-009-0001-SA*			7.50g	5.86g	77.33	12.93g		
6273-010-0001-SA			6.77g	6.24g	92.17	10.85g		
6273-011-0001-SA			↓	↓	5.16g	4.72g	91.47	10.93g

% Solids Summary: \* may be lower % solids due to ice water entering jar. DN 8/9/10

Non-Filtered Determination

1. Place an aliquot of sample into a pre-weighed aluminum weighing boat. Use approximately two to ten grams for solid samples, approximately 10 mL for aqueous samples.
2. Record the weight.
3. Dry sample overnight at approximately 110 C.

Filtered Determination

1. Pre-weigh a glass fiber filter of appropriate pore size and pressure filter a sample aliquot (200-1000mL) through it.
2. Air dry the filter and record the dry weight.

% Solids calculation

$\% \text{ solids} = \text{aliquot after drying} / \text{aliquot before drying} \times 100$

- Samples containing one percent solids or less are prepared as aqueous samples.
- Samples containing greater than one percent solids prepared as solid samples.

# EXTRACTION SHEET

Project #: 6273      Extraction Date: 2010-08-09      Extraction Chemist: DV

Method/Analysis:      EPA 1613 D/F

Procedure:      SOX/SDS      Solvent: Toluene

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS		NS		CSS	
			Amt: ID: Vial: Chemist/Witness/Date	10.0uL 090918A 1 MP 8-9-10	Amt: ID: Vial: Chemist/Witness/Date	10.0uL 090918B 1 MP 8-9-10	Amt: ID: Vial: Chemist/Witness/Date	10.0uL 090918C 1 MP 8-10-10
2076-001-0001-MB	(5.00g)	(5.00g)	DN	MP 8-9-10	N/A		DN	GN 8-10-10
2076-001-0001-OPR	(5.00g)	(5.00g)			DN	MP 8-9-10		
6273-001-0001-SA	<del>5.21g</del> 4.77g	4.08g				N/A		
6273-002-0001-SA	4.80g	4.18g						
6273-003-0001-SA	4.52g	4.19g						
6273-004-0001-SA	4.52g	3.80g						
6273-005-0001-SA	<del>4.44g</del> 4.49g	4.01g						
6273-005-0002-MS	4.46g <sup>DN</sup>	4.03g			DN	MP 8-9-10		
6273-005-0002-MSD	4.69g	4.24g						
6273-006-0001-SA	4.79g	4.45g				N/A		
6273-007-0001-SA	5.56g	4.74g						
6273-008-0001-SA	4.55g	4.24g						
6273-009-0001-SA	5.55g	4.29g						
6273-010-0001-SA	4.48g	4.13g						
6273-011-0001-SA	4.55g	4.16g						

AX-21 Charcoal Cleaned	031210	Acetone	101196	Acid Alumina	08623DJ	Hexane	50055
Hydrochloric Acid	B08505	Methanol	096965	Methylene Chloride (DCM)	50057	Silica Gel	TA1593034
Sodium Hydroxide	9265	Sodium Sulfate	49009905	Sulfuric Acid	096894	Tetradecane	081394
Toluene	101346	Water	49350	C-18 Empore Discs	320505	Cyclohexane	48151

Comments: It appears that ice water may have entered into the jars for samples 6273-005-SA (10-18262 R659E#1), 6273-007-SA (10-18264 R659E#1) and 6273-009-SA (10-18266 R659E#1). Take samples 6273-005-SA, 6273-005-MS and 6273-005-MSD from jar labeled (10-18262 R659E#1) since this appears to not have had ice water enter jar. DN 8/9/10

# CLEANUP SHEET

Project #: 6273

Method/Analysis: EPA 1613 D/F

Splits: 0 Split Date: N/A Final Volume: 20.0uL

Sample ID	Cleanup 1	Cleanup 2	Cleanup 3	RS
	<i>MSG-AA</i>	<i>CC</i>	<i>N/A</i>	Amt: 10.0uL ID: 090918D Vial: 5 Chemist/Witness/Date
Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
2076-001-0001-MB	<i>DN 8.10.10</i>	<i>DN 8.10.10</i>	<i>N/A</i>	<i>DN MP 8.10.10</i>
2076-001-0001-OPR	↓	↓	↓	↓
6273-001-0001-SA	↓	↓	↓	↓
6273-002-0001-SA	↓	↓	↓	↓
6273-003-0001-SA	↓	↓	↓	↓
6273-004-0001-SA	↓	↓	↓	↓
6273-005-0001-SA	↓	↓	↓	↓
6273-005-0002-MS	↓	↓	↓	↓
6273-005-0002-MSD	↓	↓	↓	↓
6273-006-0001-SA	↓	↓	↓	↓
6273-007-0001-SA	↓	↓	↓	↓
6273-008-0001-SA	↓	↓	↓	↓
6273-009-0001-SA	↓	↓	↓	↓
6273-010-0001-SA	↓	↓	↓	↓
6273-011-0001-SA	↓	↓	↓	↓

Comments:

FAL ID: 2076-001-0001-MB  
 Client ID: Method Blank  
 Results: 2077

Filename: 11AUG10M Sam:3  
 GC Column: DB5 Amount: 5.000

Acquired: 11-AUG-10 11:26:39  
 ConCal: ST081110M1

ICal: PCDDFAL3-5-12-10  
 EndCal: ST081110M2

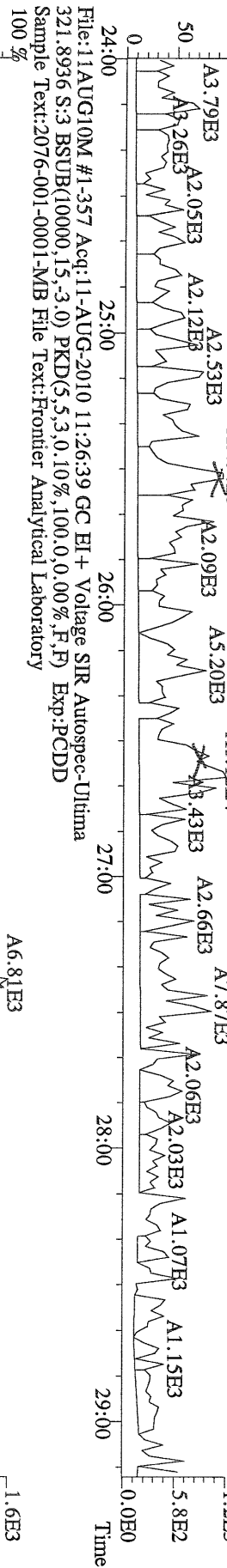
NATO 1989 Tox: 0.00  
 WHO 1998 Tox: 0.00 WHO 2005 Tox: 0.00

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.04	*		2.50	238	291	0.223	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*		2.50	358	278	0.300	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.30	*		2.50	296	230	0.276	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.28	*		2.50	296	230	0.332	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.25	*		2.50	296	230	0.313	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.35	*		2.50	463	391	0.599	
OCDD	*	* n	NotFnd	1.25	*		2.50	632	579	1.68	
2,3,7,8-TCDF	*	* n	NotFnd	1.62	*		2.50	337	427	0.118	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*		2.50	325	349	0.214	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	325	349	0.211	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	310	266	0.195	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.84	*		2.50	310	266	0.211	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.90	*		2.50	310	266	0.210	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*		2.50	310	266	0.264	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.38	*		2.50	303	341	0.316	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.62	*		2.50	303	341	0.377	
OCDF	*	* n	NotFnd	0.74	*		2.50	257	369	0.736	
										Rec	
13C-2,3,7,8-TCDD	1.01e+07	0.83	y 27:22	0.93	358					89.4	
13C-1,2,3,7,8-PeCDD	1.02e+07	1.75	y 33:10	0.81	414					103	
13C-1,2,3,4,7,8-HxCDD	6.78e+06	1.21	y 38:33	0.95	333					83.3	
13C-1,2,3,6,7,8-HxCDD	6.71e+06	1.22	y 38:42	1.00	313					78.3	
13C-1,2,3,4,6,7,8-HpCDD	6.15e+06	0.99	y 44:08	0.92	310					77.6	
13C-OCDD	8.04e+06	0.93	y 49:41	0.63	591					73.9	
13C-2,3,7,8-TCDF	1.72e+07	0.88	y 26:37	0.87	345					86.2	
13C-1,2,3,7,8-PeCDF	1.56e+07	1.69	y 31:27	0.81	336					84.1	
13C-2,3,4,7,8-PeCDF	1.59e+07	1.68	y 32:46	0.75	368					92.1	
13C-1,2,3,4,7,8-HxCDF	1.57e+07	0.52	y 37:09	1.74	420					105	
13C-1,2,3,6,7,8-HxCDF	1.80e+07	0.52	y 37:21	2.17	385					96.2	
13C-2,3,4,6,7,8-HxCDF	1.60e+07	0.51	y 38:17	1.82	409					102	
13C-1,2,3,7,8,9-HxCDF	1.27e+07	0.52	y 39:43	1.49	397					99.4	
13C-1,2,3,4,6,7,8-HpCDF	7.88e+06	0.44	y 42:14	1.10	334					83.5	
13C-1,2,3,4,7,8,9-HpCDF	6.21e+06	0.44	y 45:03	0.81	354					88.5	
13C-OCDF	1.70e+07	0.97	y 50:03	1.19	664					83.0	
37Cl-2,3,7,8-TCDD	4.42e+06		27:23	0.93	155					97.2	
13C-1,2,3,4-TCDD	1.22e+07	0.82	y 26:46	-	7.21						
13C-1,2,3,4-TCDF	2.30e+07	0.88	y 25:31	-	8.61						
13C-1,2,3,7,8,9-HxCDD	8.61e+06	1.22	y 39:09	-	7.98						
Total Tetra-Dioxins	*		NotFnd	1.04	*		2.50	238	291	0.223	0
Total Penta-Dioxins	*		NotFnd	1.05	*		2.50	358	278	0.300	0
Total Hexa-Dioxins	*		NotFnd	1.27	*		2.50	296	230	0.332	0
Total Hepta-Dioxins	*		NotFnd	1.35	*		2.50	463	391	0.599	0
Total Tetra-Furans	*		NotFnd	1.62	*		2.50	337	427	0.118	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.93	*		2.50	325	349	0.214	PeCDF 0
Total Penta-Furans	*		NotFnd	0.93	*		2.50	325	349	0.214	0.00 0
Total Hexa-Furans	*		NotFnd	0.90	*		2.50	310	266	0.264	0
Total Hepta-Furans	*		NotFnd	1.48	*		2.50	303	341	0.377	0

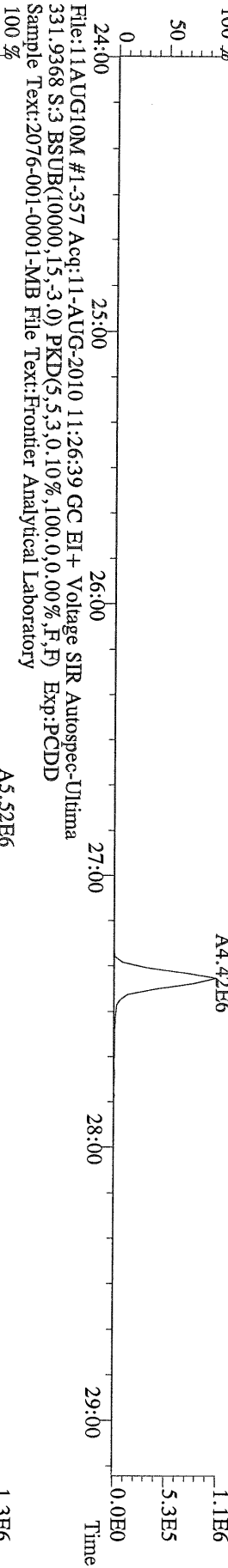
Analyst: 

Date: 8/10/10

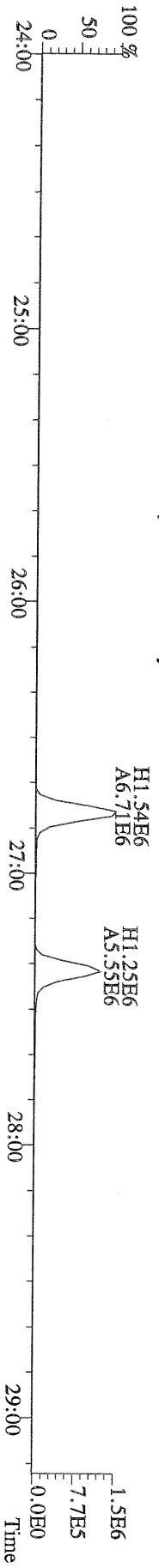
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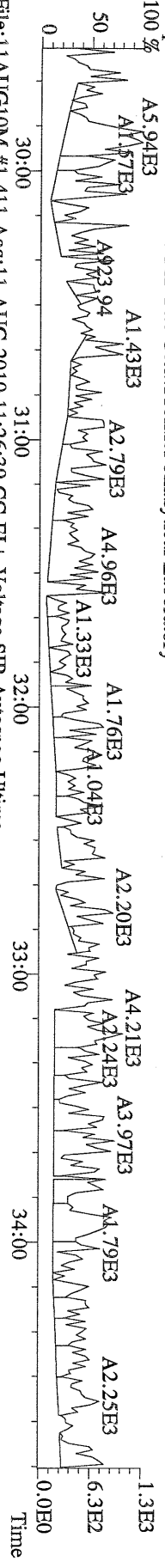


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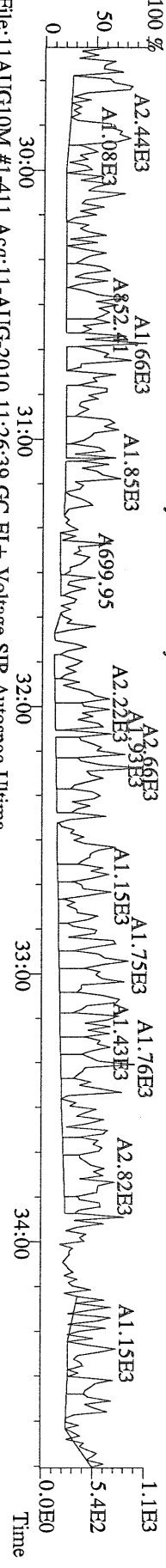




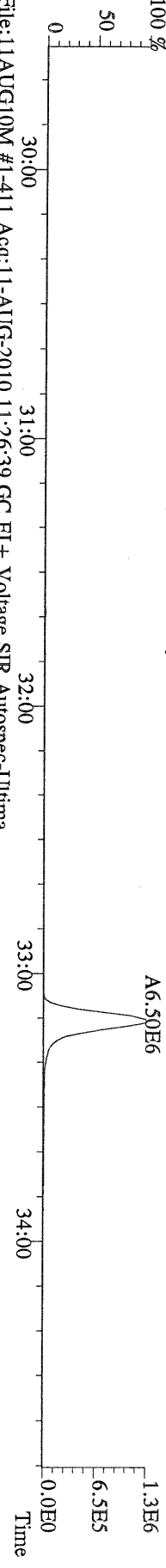
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 355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



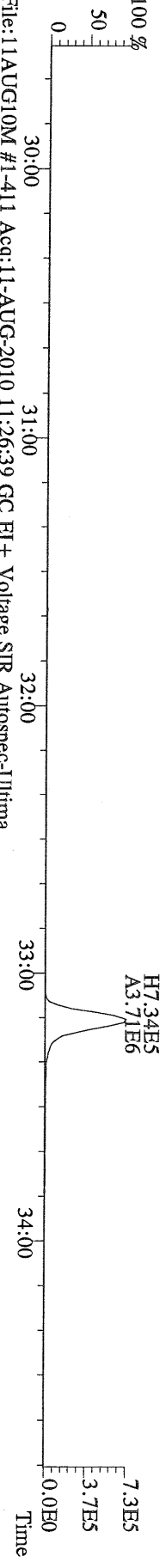
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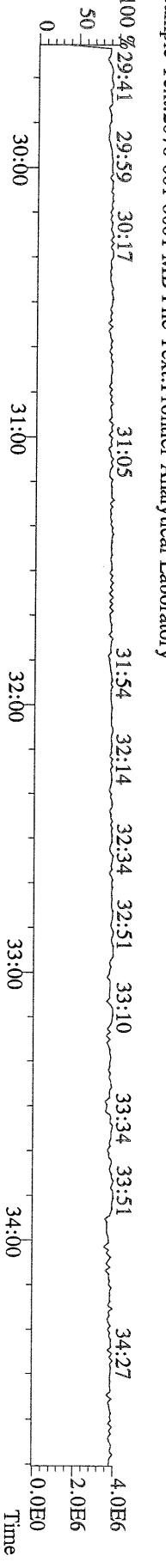
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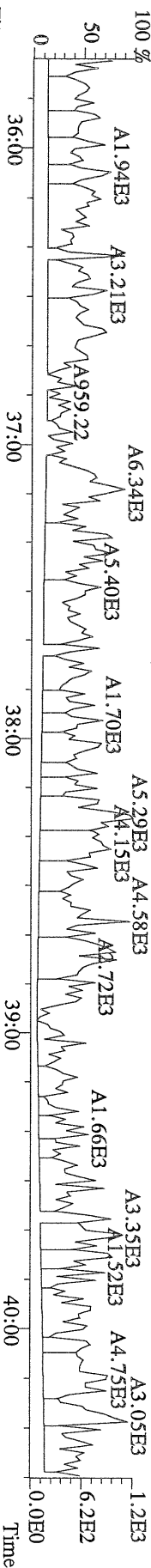
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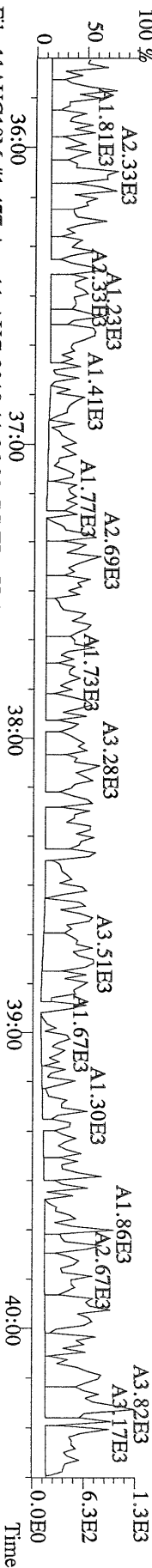
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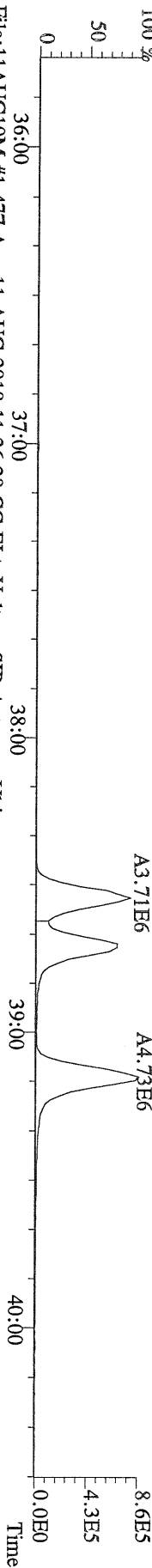
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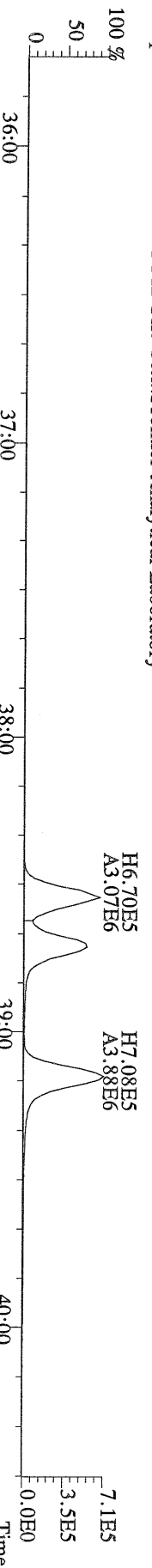
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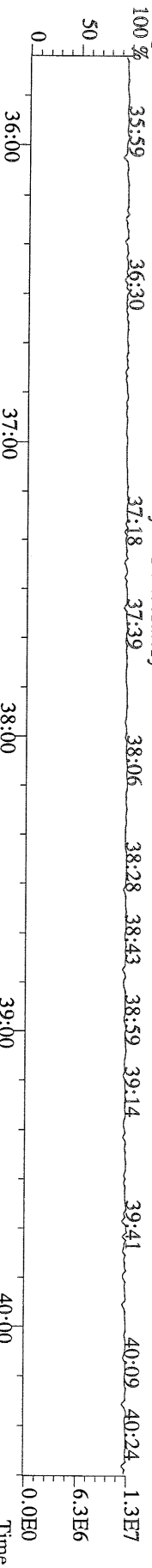
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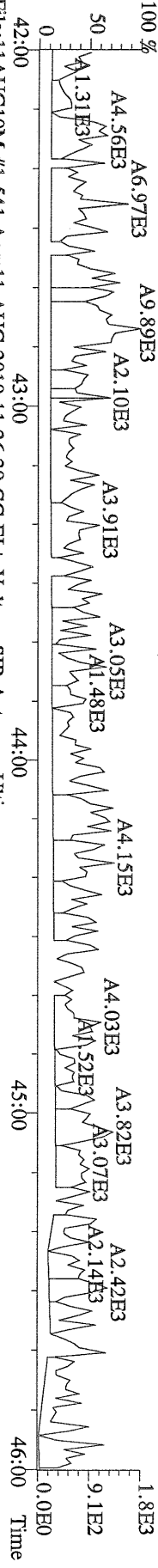
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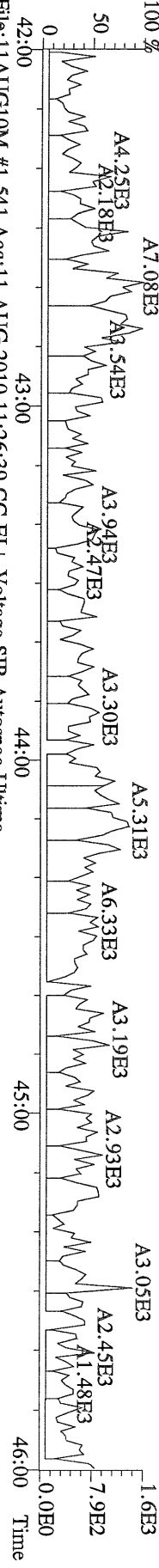
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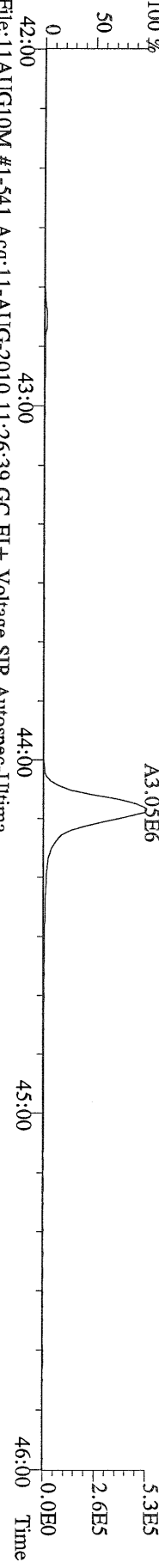
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Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



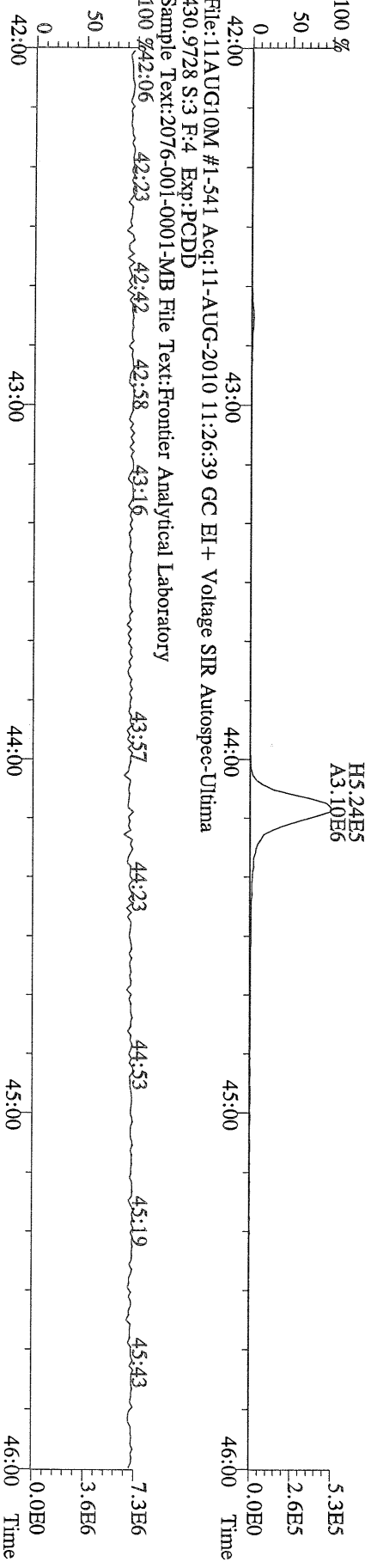
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Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



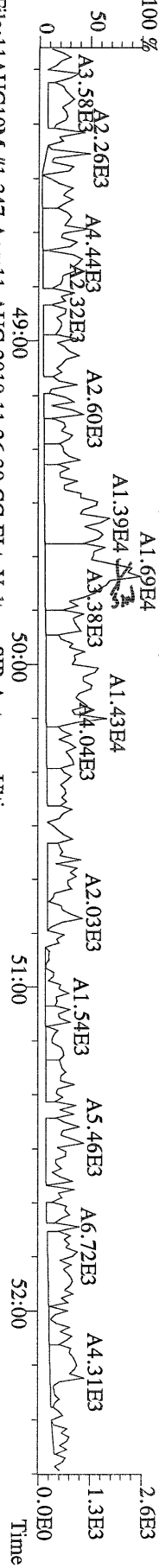
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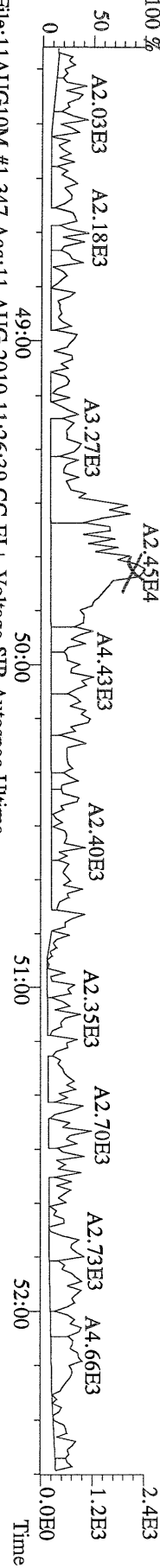
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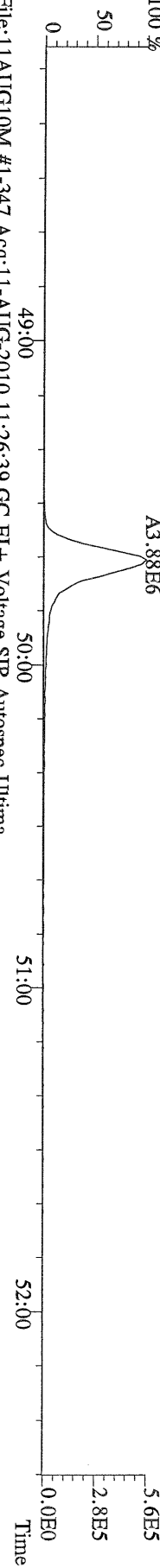
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457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory  
100 %



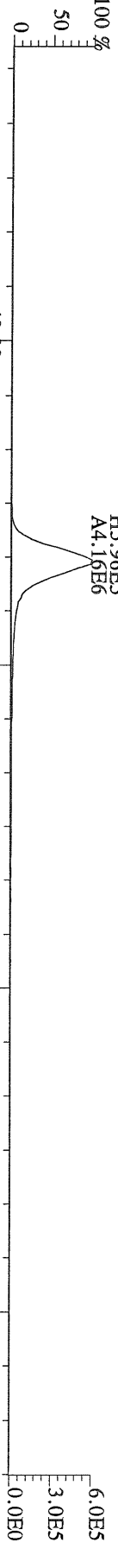
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459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory  
100 %



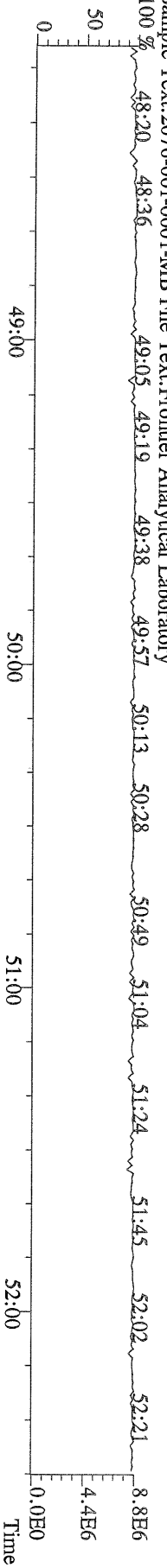
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100 %



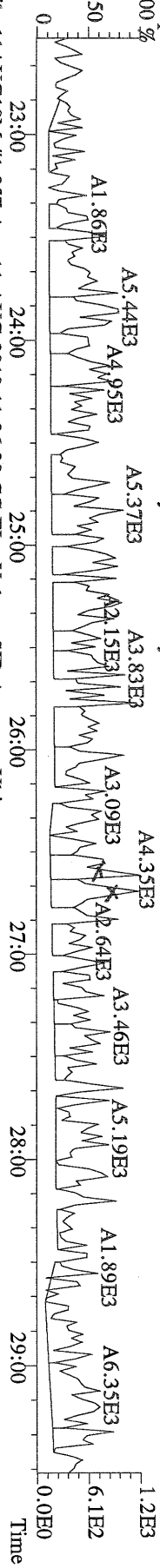
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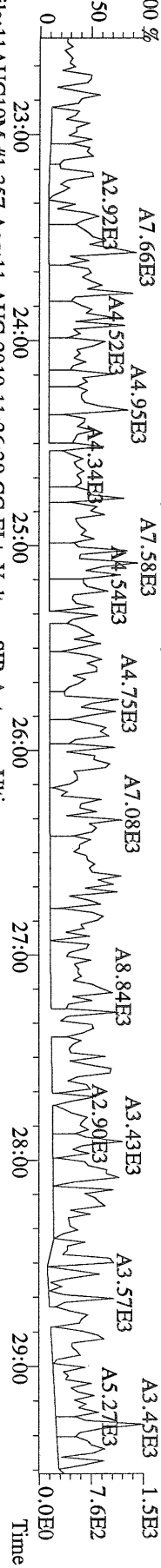
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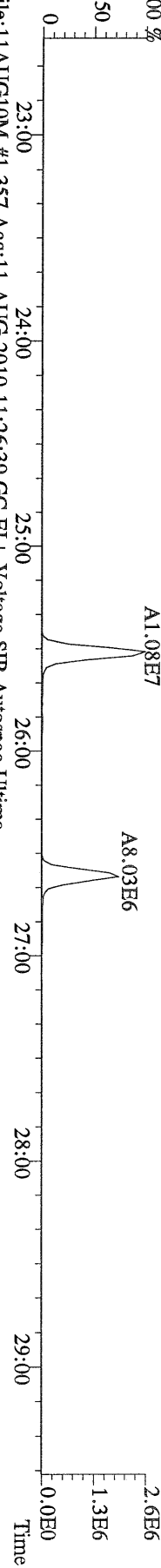
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303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



File:11AUG10M #1-357 Acq:11-AUG-2010 11:26:39 GC EI+ Voltage SIR Autospec-Ultima  
305.8987 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



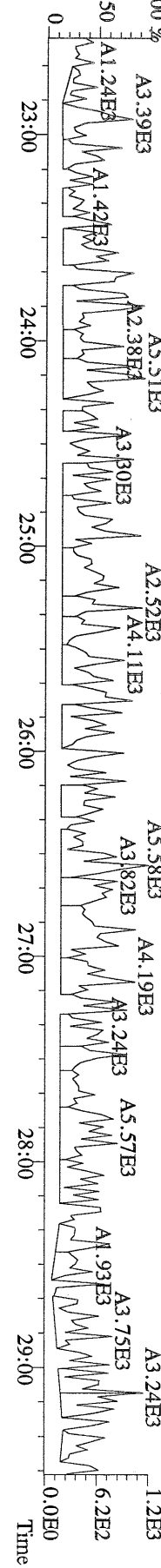
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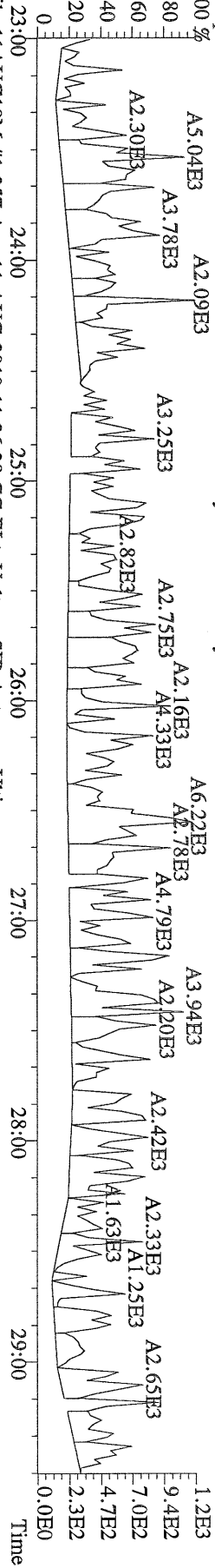
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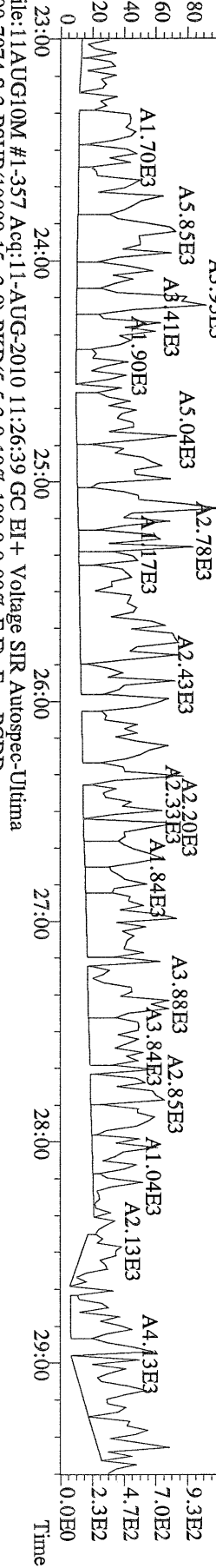
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375.8364 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



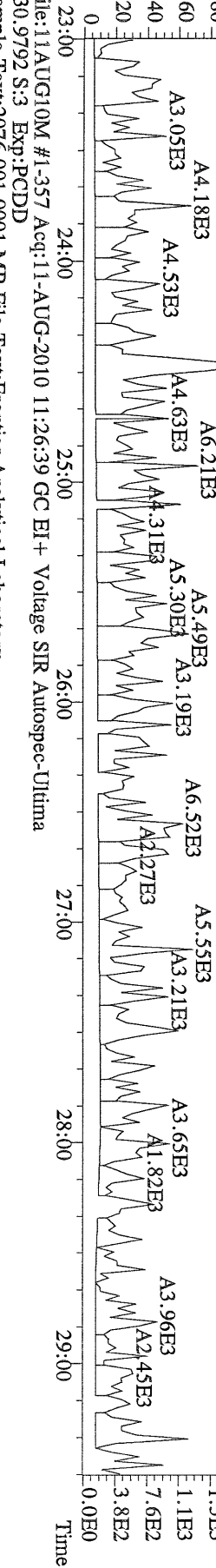
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 339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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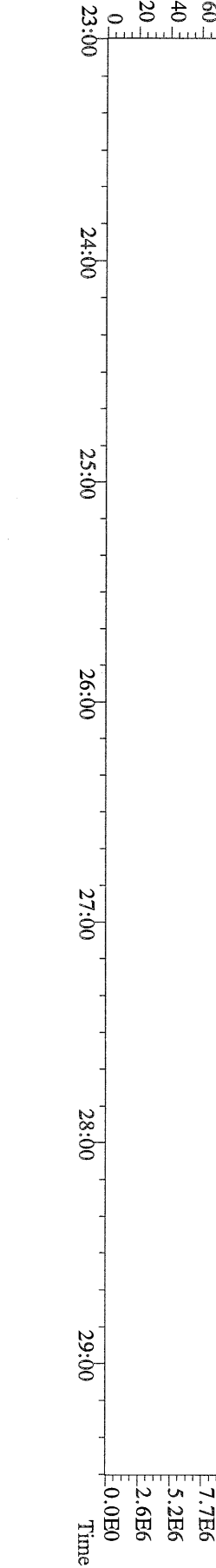
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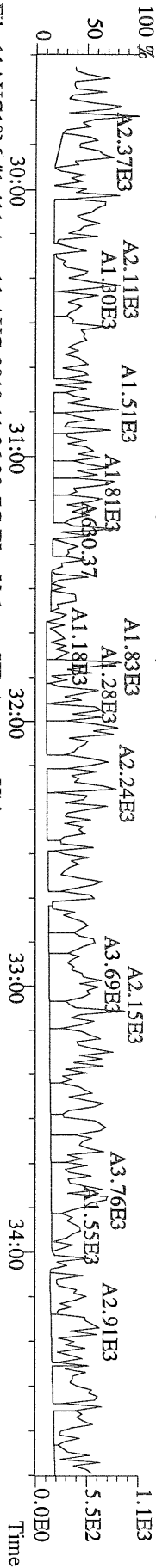
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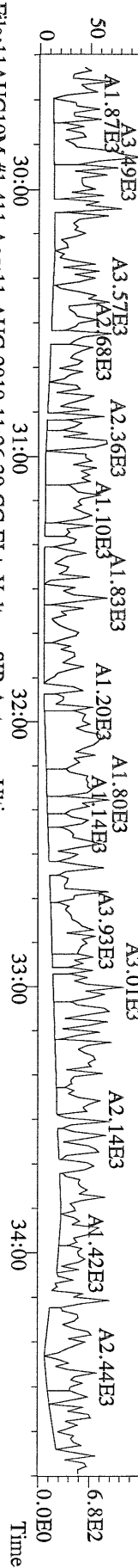
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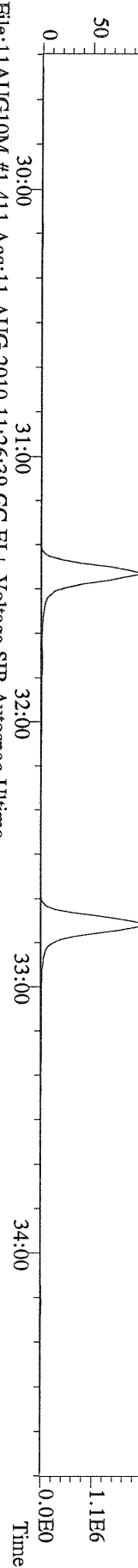
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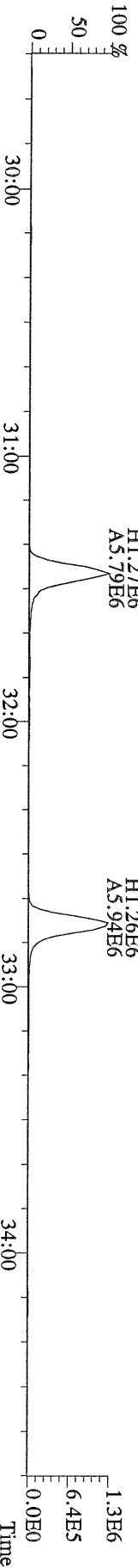
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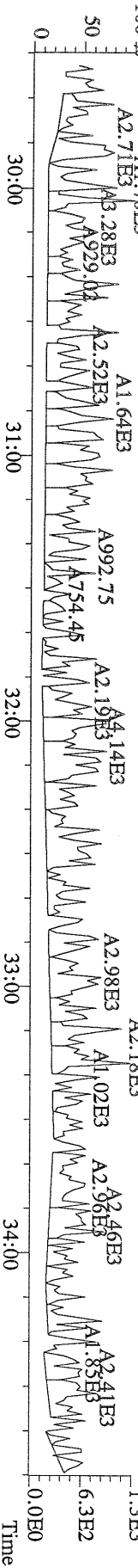
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351.9000 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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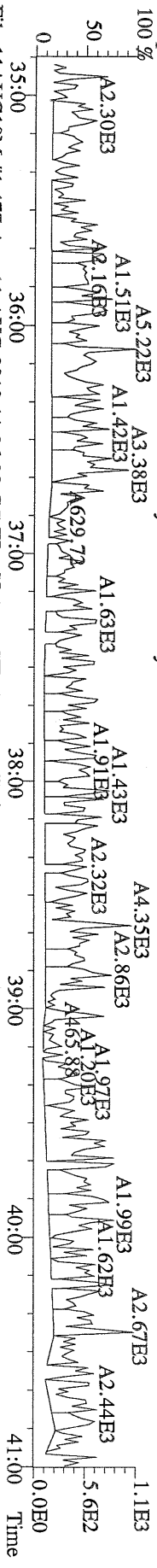
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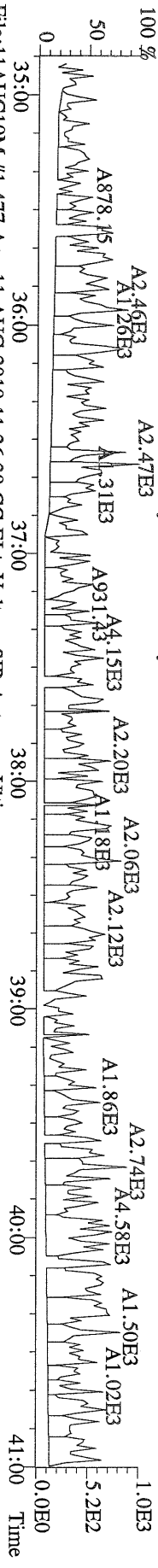
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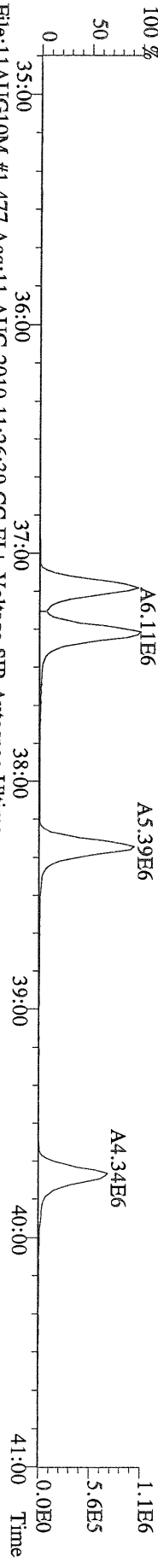
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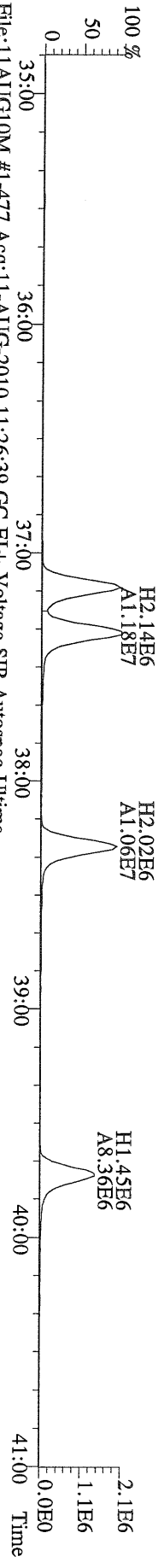
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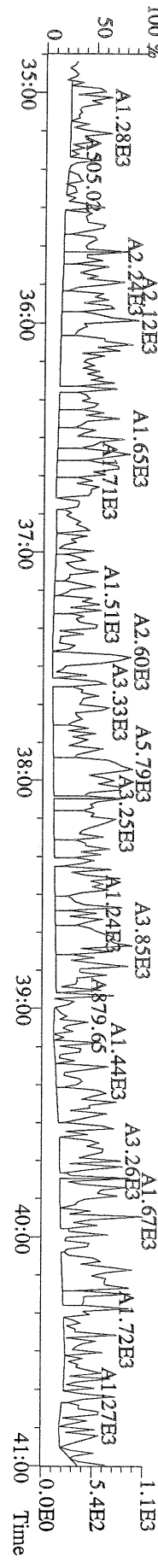
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File:11AUG10M #1-477 Acq:11-AUG-2010 11:26:39 GC EI+ Voltage SIR Autospec-Ultima  
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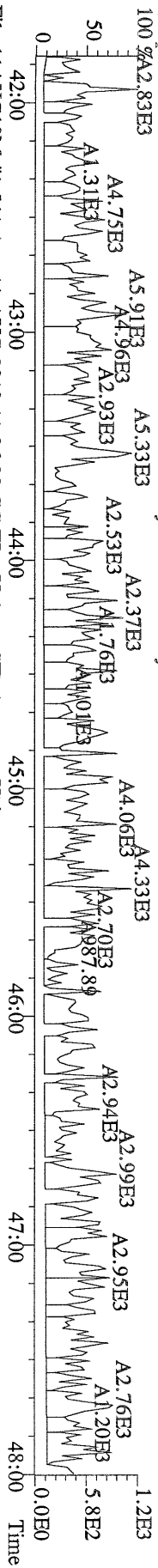


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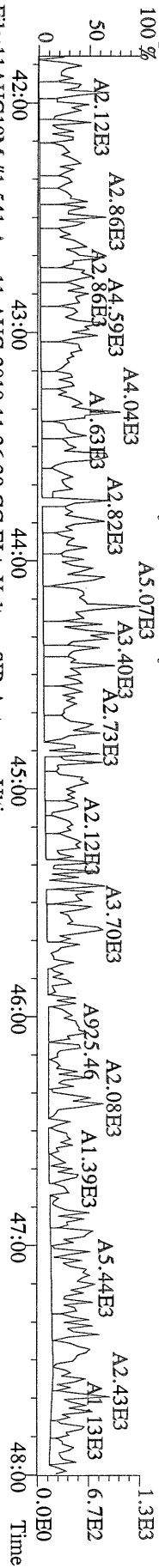




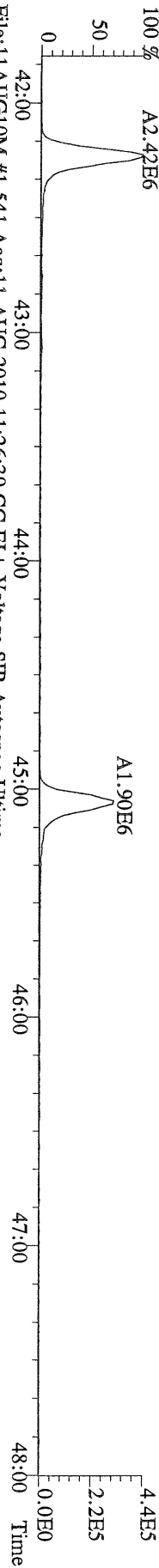
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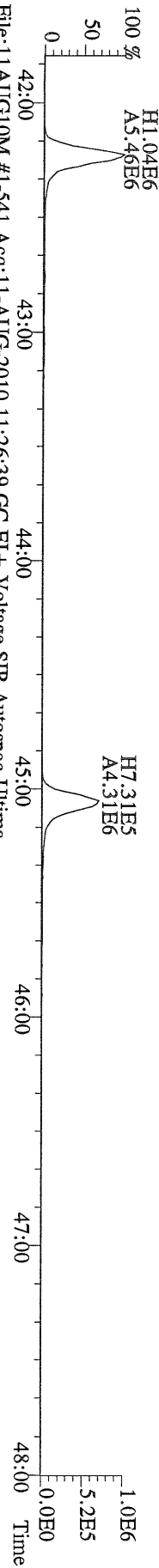
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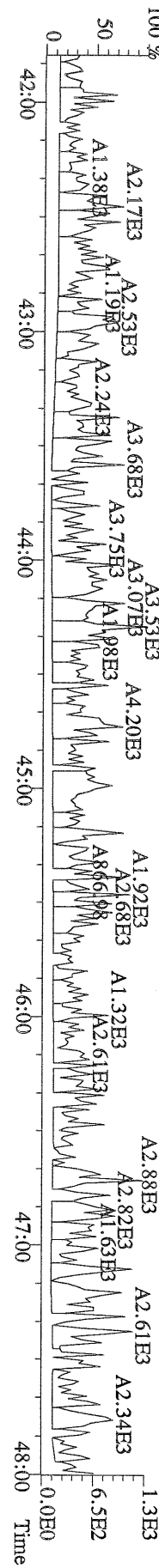
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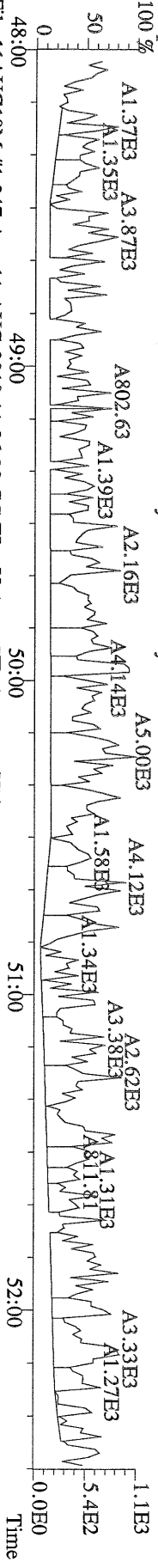
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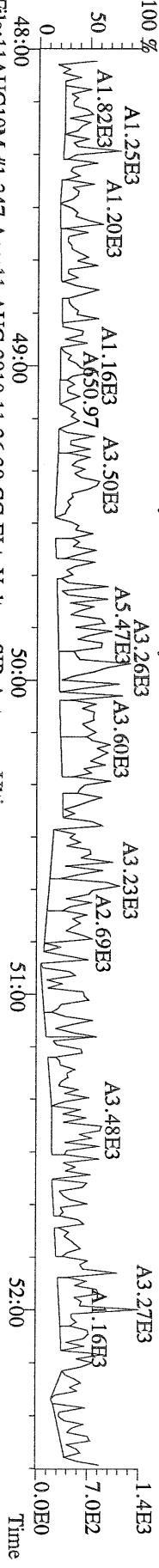
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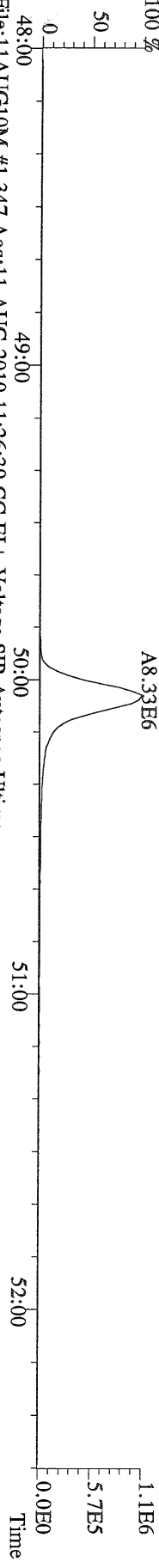
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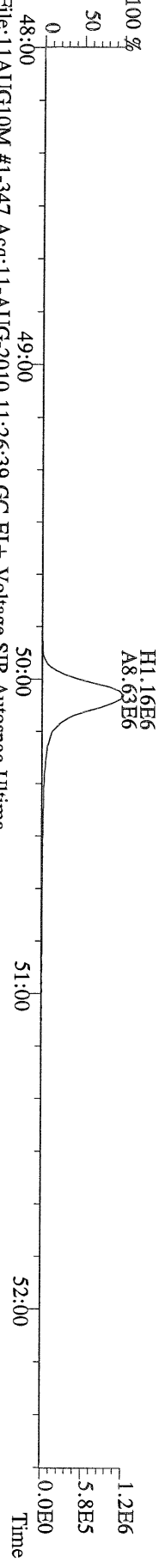
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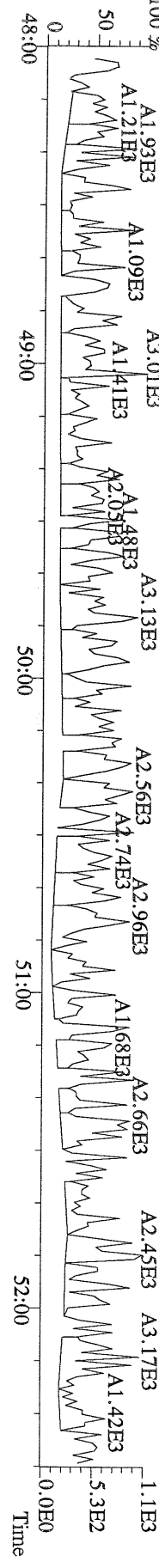
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453.7831 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



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455.7801 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 11:26:39 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-MB File Text:Frontier Analytical Laboratory



2076.001.0001.0PR

USEPA - ITD

FORM 8A  
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory      Episode No.:  
Contract No.:      SAS No.:  
Matrix (aqueous/solid/leachate): Soil      OPR Data Filename: 10AUG10N      Sam:2  
Ext. Date: 8/9/10      Shift: Day      Analysis Date: 10-AUG-10      17:32:03

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
NATIVE ANALYTES			
2,3,7,8-TCDD	10	8.82	6.70 - 15.8 ✓
1,2,3,7,8-PeCDD	50	45.1	35.0 - 71.0 ✓
1,2,3,4,7,8-HxCDD	50	48.9	35.0 - 82.0 ✓
1,2,3,6,7,8-HxCDD	50	46.5	38.0 - 67.0 ✓
1,2,3,7,8,9-HxCDD	50	47.9	32.0 - 81.0 ✓
1,2,3,4,6,7,8-HpCDD	50	48.6	35.0 - 70.0 ✓
OCDD	100	106	78.0 - 144 ✓
2,3,7,8-TCDF	10	8.73	7.50 - 15.8 ✓
1,2,3,7,8-PeCDF	50	46.1	40.0 - 67.0 ✓
2,3,4,7,8-PeCDF	50	46.0	34.0 - 80.0 ✓
1,2,3,4,7,8-HxCDF	50	42.5	36.0 - 67.0 ✓
1,2,3,6,7,8-HxCDF	50	43.3	42.0 - 65.0 ✓
2,3,4,6,7,8-HxCDF	50	42.8	35.0 - 78.0 ✓
1,2,3,7,8,9-HxCDF	50	43.3	39.0 - 65.0 ✓
1,2,3,4,6,7,8-HpCDF	50	44.6	41.0 - 61.0 ✓
1,2,3,4,7,8,9-HpCDF	50	44.1	39.0 - 69.0 ✓
OCDF	100	89.7	63.0 - 170 ✓

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613

Analyst: 

Date: 8/11/10

## USEPA - ITD

FORM 8B  
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory      Episode No.:

Contract No.:      SAS No.:


Matrix (aqueous/solid/leachate): Soil      OPR Data Filename: 10AUG10N    Sam:2

Ext. Date: 8/9/10    Shift: Day      Analysis Date: 10-AUG-10    17:32:03

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
LABELED COMPOUNDS			
13C-2,3,7,8-TCDD	100	82.3	20.0 - 175 ✓
13C-1,2,3,7,8-PeCDD	100	82.8	21.0 - 227 ✓
13C-1,2,3,4,7,8-HxCDD	100	88.8	21.0 - 193 ✓
13C-1,2,3,6,7,8-HxCDD	100	84.1	25.0 - 163 ✓
13C-1,2,3,4,6,7,8-HpCDD	100	67.7	26.0 - 166 ✓
13C-OCDD	200	93.4	26.0 - 397 ✓
13C-2,3,7,8-TCDF	100	83.4	22.0 - 152 ✓
13C-1,2,3,7,8-PeCDF	100	78.1	21.0 - 192 ✓
13C-2,3,4,7,8-PeCDF	100	79.9	13.0 - 328 ✓
13C-1,2,3,4,7,8-HxCDF	100	99.8	19.0 - 202 ✓
13C-1,2,3,6,7,8-HxCDF	100	91.8	21.0 - 159 ✓
13C-2,3,4,6,7,8-HxCDF	100	89.4	22.0 - 176 ✓
13C-1,2,3,7,8,9-HxCDF	100	88.7	17.0 - 205 ✓
13C-1,2,3,4,6,7,8-HpCDF	100	68.7	21.0 - 158 ✓
13C-1,2,3,4,7,8,9-HpCDF	100	74.6	20.0 - 186 ✓
13C-OCDF	200	104	26.0 - 397 ✓
CLEANUP STANDARD			
37Cl-2,3,7,8-TCDD	40	32.7	12.4 - 76.4 ✓

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613  
Labeled compound concentration limits are based on required percent recovery of 25%-150%.

Analyst: 

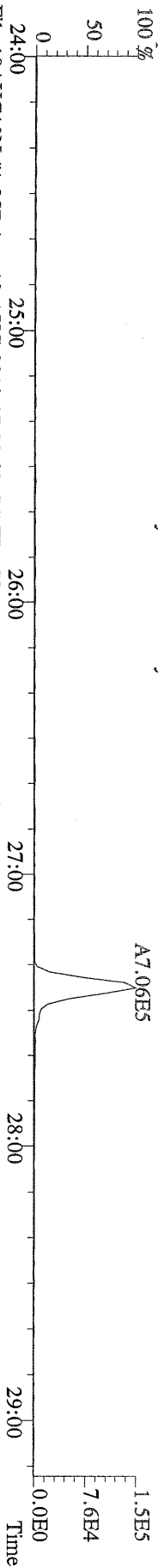
Date: 8/11/10

Results:      GC Column: DB5      Amount: 1.000      NATO 1989 Tox: 90.7      WHO 1998 Tox: 113      WHO 2005 Tox: 103

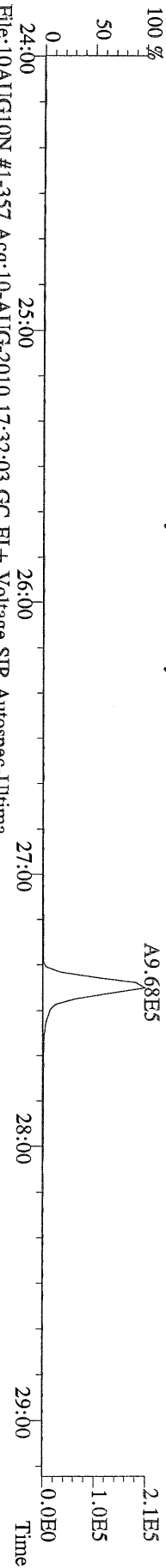
Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	DL
2,3,7,8-TCDD	1.67e+06	0.73 y	27:25	1.04	8.82		2.50	-	-	*
1,2,3,7,8-PeCDD	7.59e+06	1.58 y	33:14	1.05	45.1		2.50	-	-	*
1,2,3,4,7,8-HxCDD	6.39e+06	1.37 y	38:35	1.30	48.9		2.50	-	-	*
1,2,3,6,7,8-HxCDD	5.97e+06	1.41 y	38:45	1.28	46.5		2.50	-	-	*
1,2,3,7,8,9-HxCDD	6.01e+06	1.38 y	39:12	1.25	47.9		2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	4.92e+06	1.00 y	44:11	1.35	48.6		2.50	-	-	*
OCDD	4.67e+06	0.96 y	49:44	1.25	106		2.50	-	-	*
2,3,7,8-TCDF	3.83e+06	0.67 y	26:39	1.62	8.73		2.50	-	-	*
1,2,3,7,8-PeCDF	9.99e+06	1.49 y	31:30	0.92	46.1		2.50	-	-	*
2,3,4,7,8-PeCDF	9.79e+06	1.49 y	32:49	0.94	46.0		2.50	-	-	*
1,2,3,4,7,8-HxCDF	8.21e+06	1.23 y	37:12	0.93	42.5		2.50	-	-	*
1,2,3,6,7,8-HxCDF	8.65e+06	1.22 y	37:24	0.84	43.3		2.50	-	-	*
2,3,4,6,7,8-HxCDF	7.45e+06	1.21 y	38:20	0.90	42.8		2.50	-	-	*
1,2,3,7,8,9-HxCDF	6.74e+06	1.25 y	39:46	0.98	43.3		2.50	-	-	*
1,2,3,4,6,7,8-HpCDF	5.56e+06	1.06 y	42:17	1.38	44.6		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	5.22e+06	1.05 y	45:06	1.62	44.1		2.50	-	-	*
OCDF	4.91e+06	0.89 y	50:06	0.74	89.7		2.50	-	-	*
13C-2,3,7,8-TCDD	1.83e+07	0.81 y	27:23	0.93	82.3					Rec 82.3
13C-1,2,3,7,8-PeCDD	1.61e+07	1.75 y	33:13	0.81	82.8					82.8
13C-1,2,3,4,7,8-HxCDD	1.01e+07	1.24 y	38:34	0.95	88.8					88.8
13C-1,2,3,6,7,8-HxCDD	1.00e+07	1.25 y	38:44	1.00	84.1					84.1
13C-1,2,3,4,6,7,8-HpCDD	7.47e+06	0.97 y	44:09	0.92	67.7					67.7
13C-OCDD	7.08e+06	0.93 y	49:42	0.63	93.4					46.7
13C-2,3,7,8-TCDF	2.72e+07	0.84 y	26:38	0.87	83.4					83.4
13C-1,2,3,7,8-PeCDF	2.36e+07	1.69 y	31:28	0.81	78.1					78.1
13C-2,3,4,7,8-PeCDF	2.25e+07	1.69 y	32:48	0.75	79.9					79.9
13C-1,2,3,4,7,8-HxCDF	2.08e+07	0.52 y	37:11	1.74	99.8					99.8
13C-1,2,3,6,7,8-HxCDF	2.39e+07	0.52 y	37:22	2.17	91.8					91.8
13C-2,3,4,6,7,8-HxCDF	1.95e+07	0.52 y	38:19	1.82	89.4					89.4
13C-1,2,3,7,8,9-HxCDF	1.58e+07	0.52 y	39:45	1.49	88.7					88.7
13C-1,2,3,4,6,7,8-HpCDF	9.03e+06	0.43 y	42:15	1.10	68.7					68.7
13C-1,2,3,4,7,8,9-HpCDF	7.29e+06	0.43 y	45:05	0.81	74.6					74.6
13C-OCDF	1.48e+07	0.97 y	50:05	1.19	104					52.1
37Cl-2,3,7,8-TCDD	7.31e+06		27:25	0.93	32.7					81.7
13C-1,2,3,4-TCDD	2.40e+07	0.83 y	26:49	-	70.8					
13C-1,2,3,4-TCDF	3.75e+07	0.87 y	25:33	-	70.4					
13C-1,2,3,7,8,9-HxCDD	1.20e+07	1.24 y	39:11	-	55.6					
Total Tetra-Dioxins	1.79e+06		23:03	1.04	9.43		2.50	-	-	* 22
Total Penta-Dioxins	7.63e+06		31:30	1.05	45.3		2.50	-	-	* 4
Total Hexa-Dioxins	1.85e+07		37:27	1.27	145		2.50	-	-	* 14
Total Hepta-Dioxins	5.52e+06		41:38	1.35	54.6		2.50	-	-	* 46
Total Tetra-Furans	4.02e+06		24:11	1.62	9.14		2.50	-	-	* 13
1st Fn. Tot Penta-Furans	1.14e+05		22:58	0.93	0.529		2.50	-	-	* PeCDF 29
Total Penta-Furans	2.03e+07		30:15	0.93	94.5		2.50	-	-	* 95.1 15
Total Hexa-Furans	3.12e+07		35:15	0.90	173		2.50	-	-	* 19
Total Hepta-Furans	1.11e+07		41:37	1.48	91.3		2.50	-	-	* 31

Analyst:       Date: 8/11/10

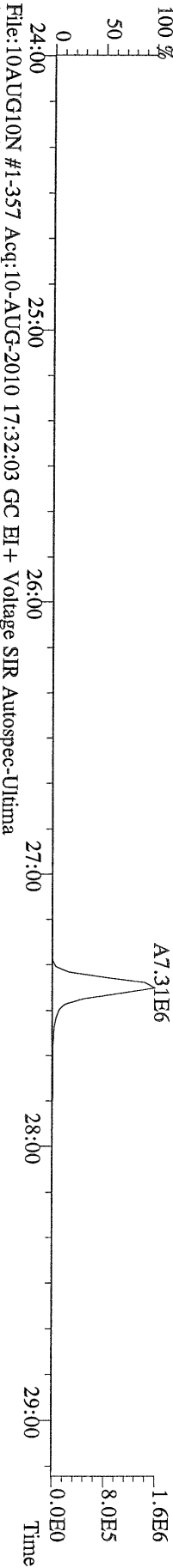
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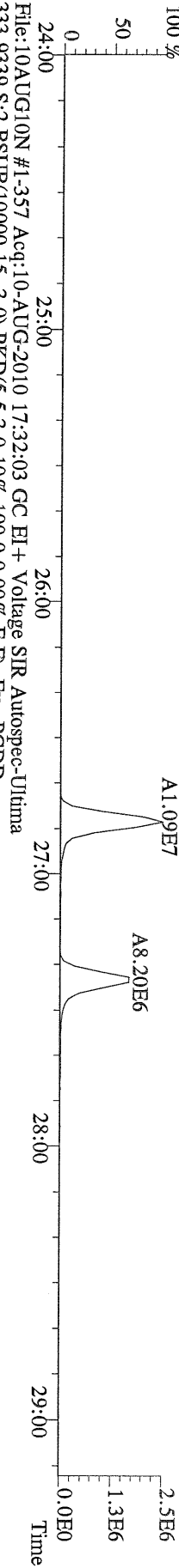
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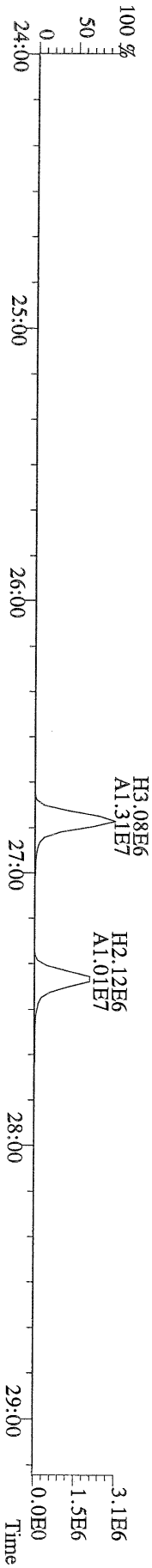
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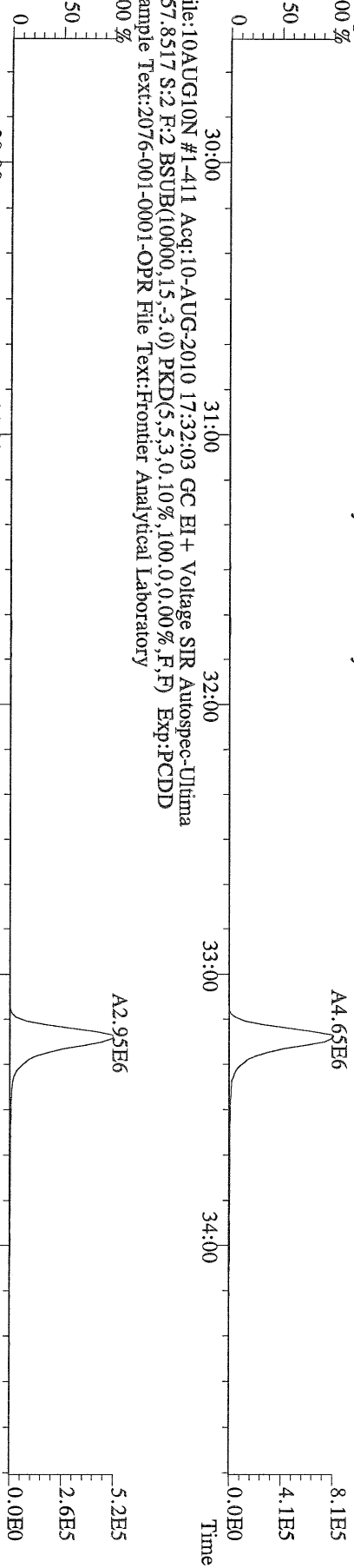
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331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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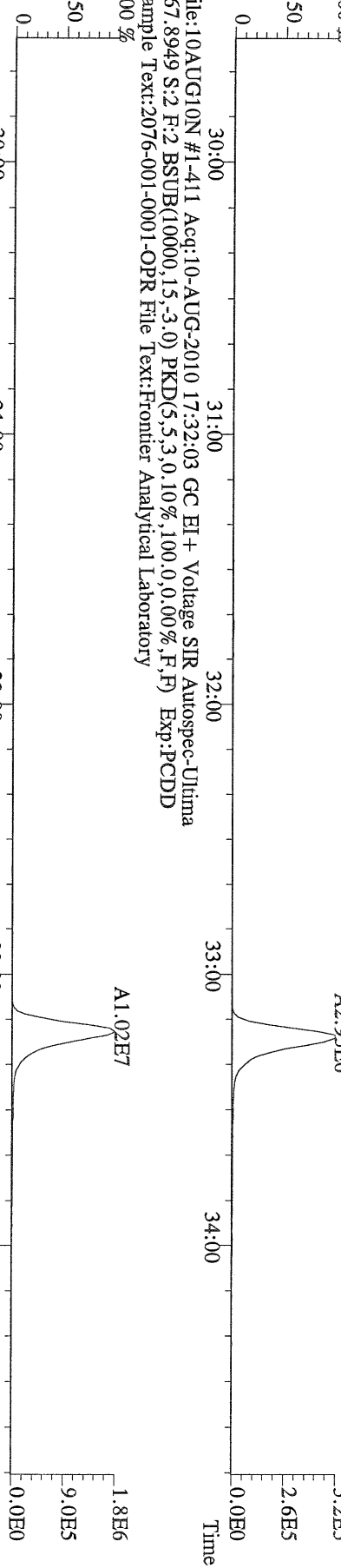
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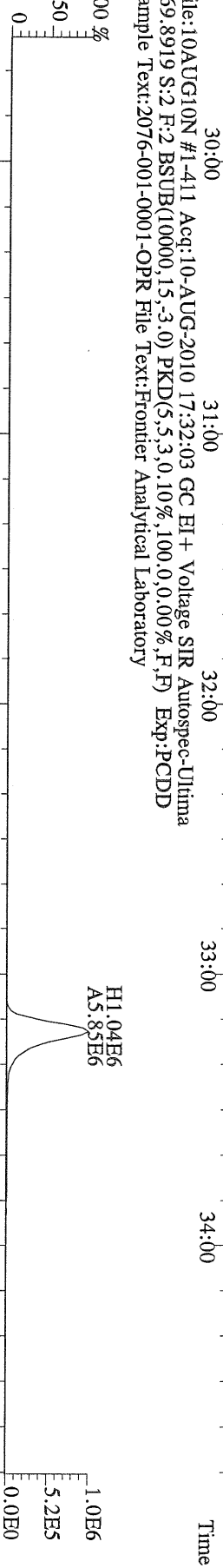
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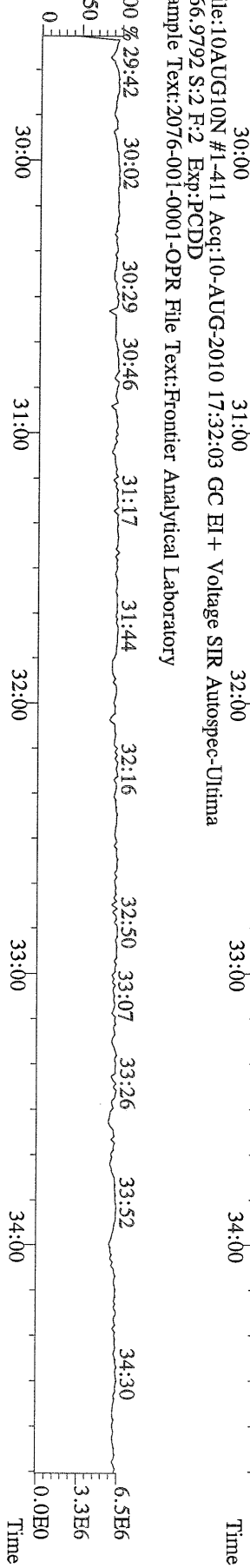
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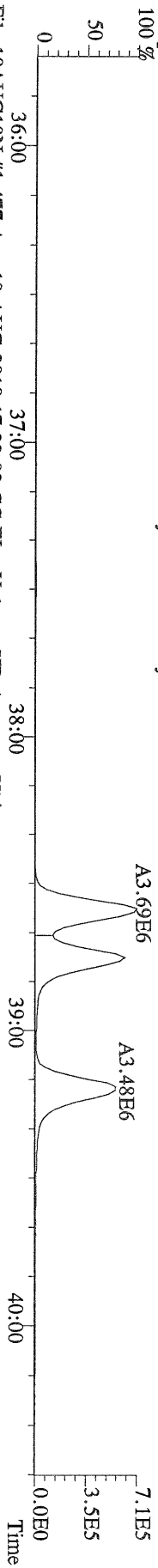
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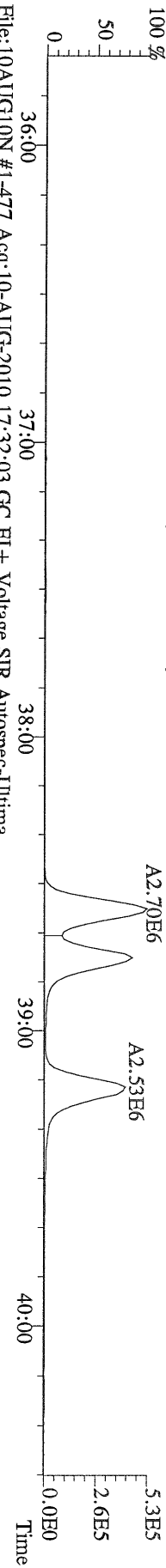
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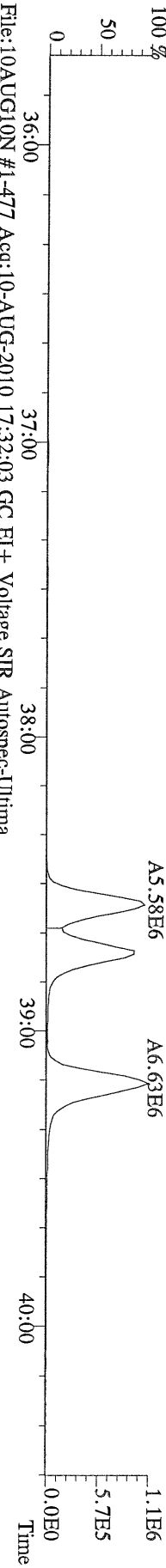
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389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



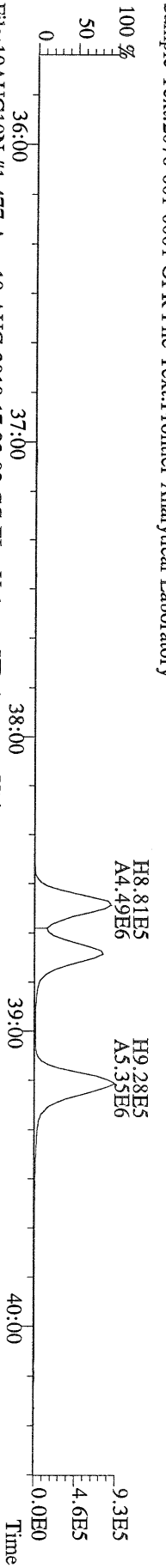
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Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



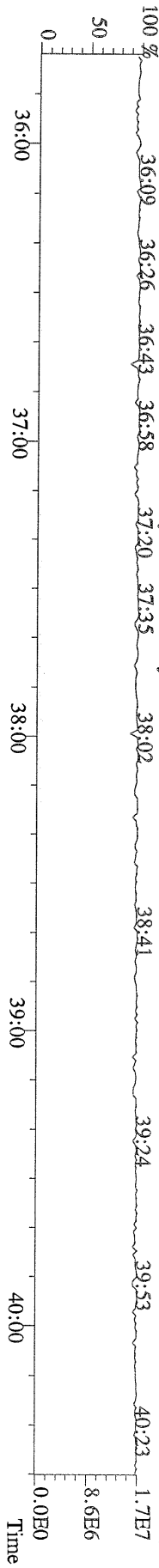
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401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10AUG10N #1-477 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
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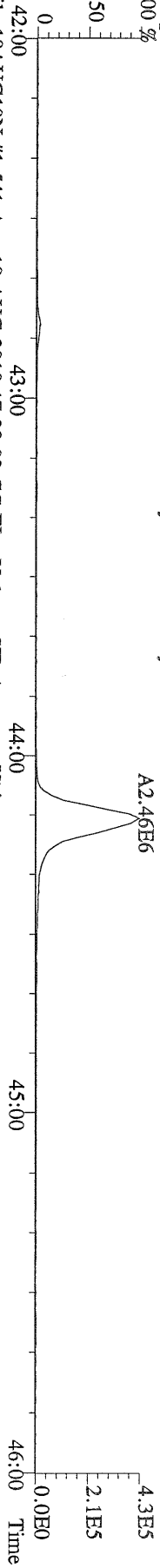


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380.9760 S:2 F:3 Exp:PCDD  
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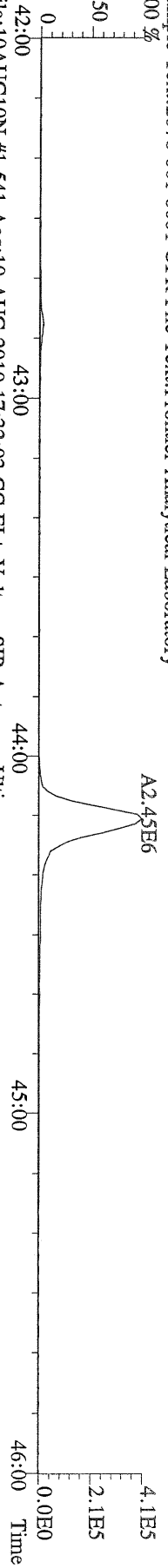




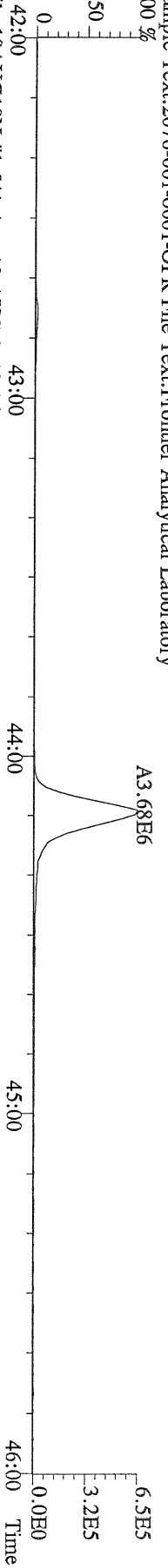
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Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



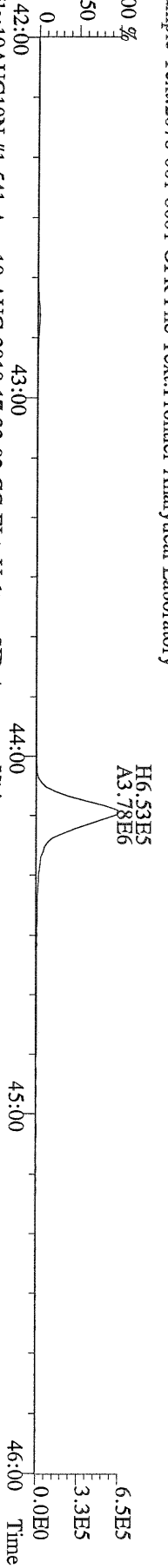
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425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



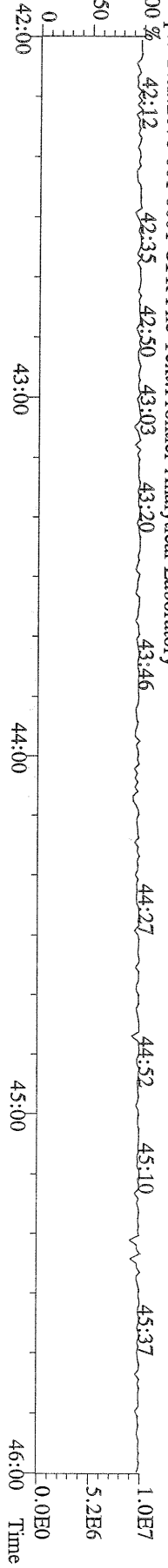
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



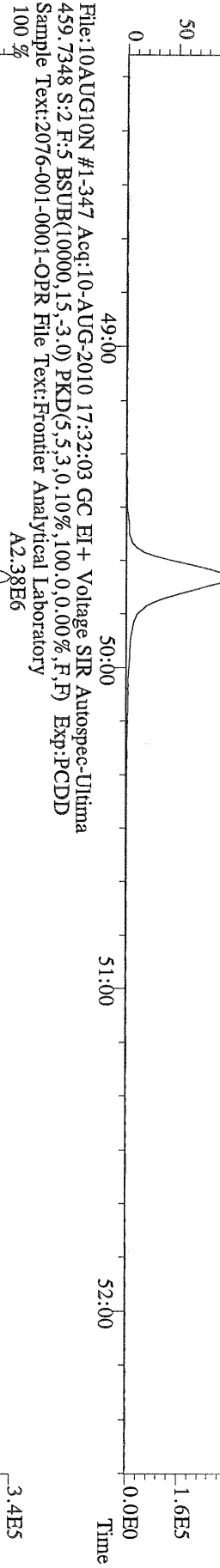
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



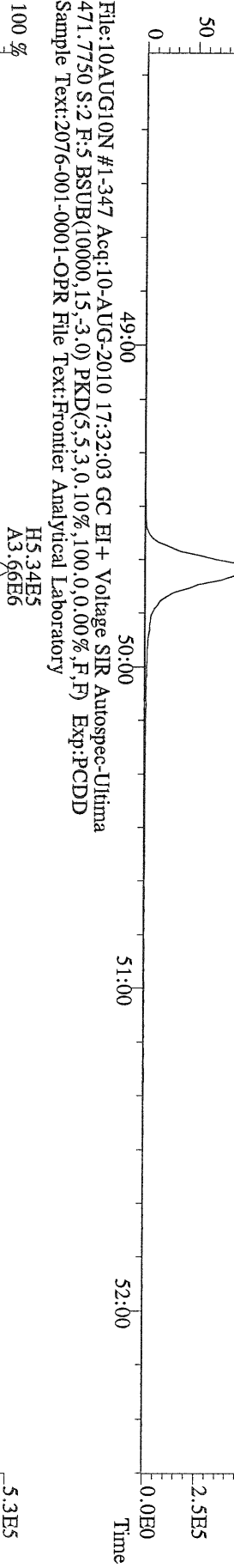
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
430.9728 S:2 F:4 Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



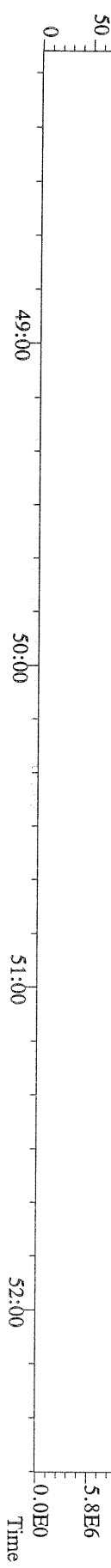
File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
469.7780 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory  
100 %



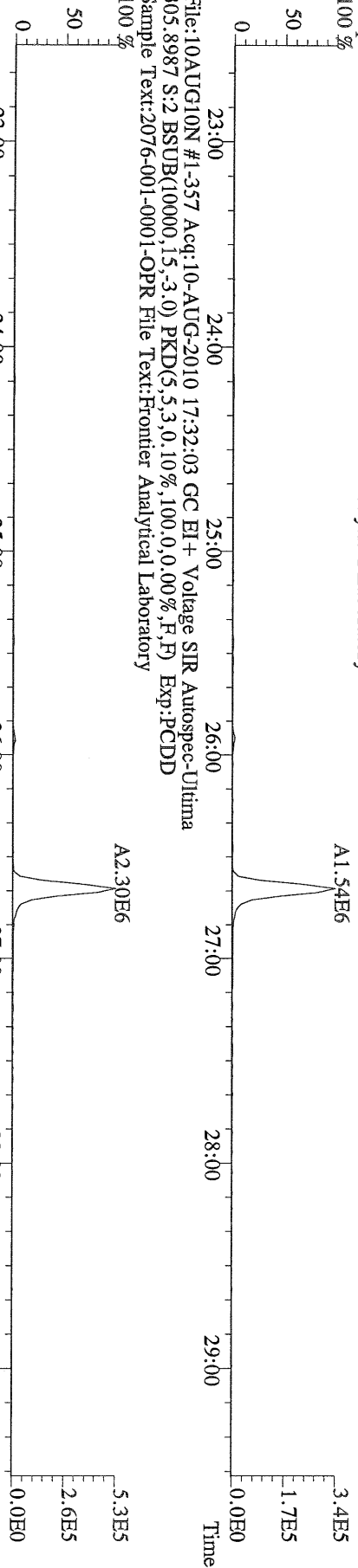
File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory  
100 %



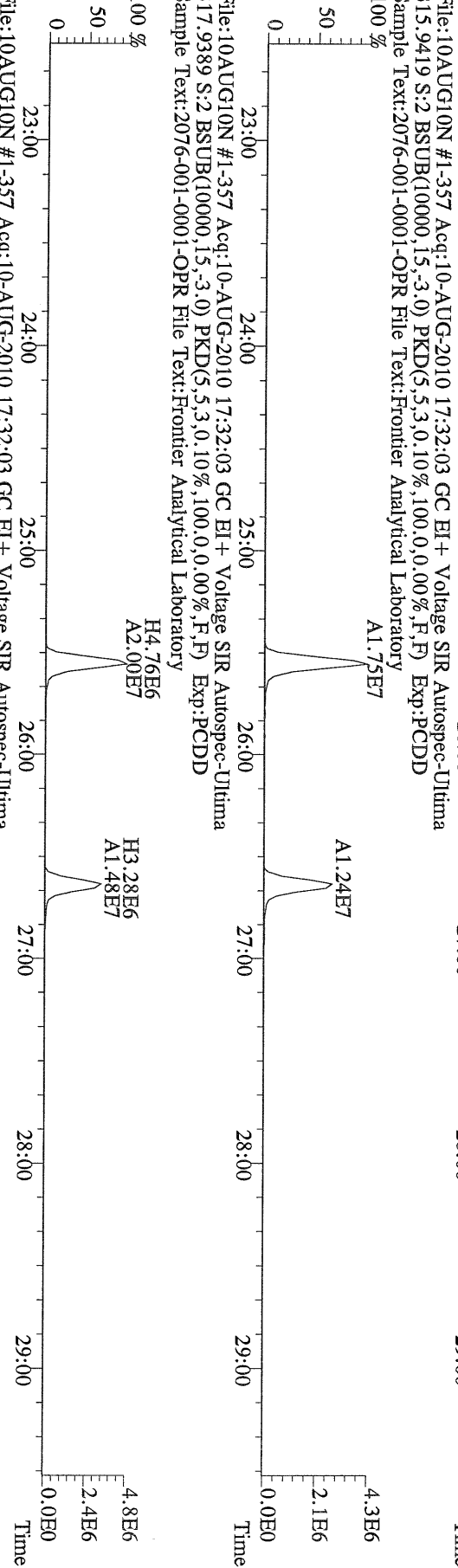
File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
454.9728 S:2 F:5 Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory  
100 %



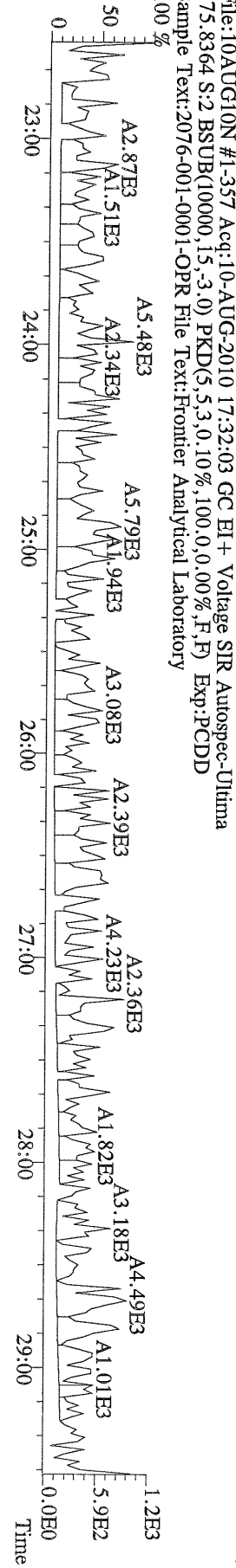
File:10AUG10N #1-357 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



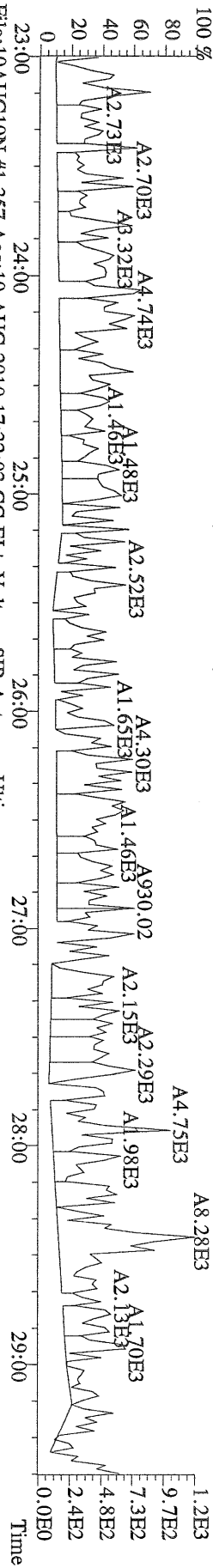
File:10AUG10N #1-357 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



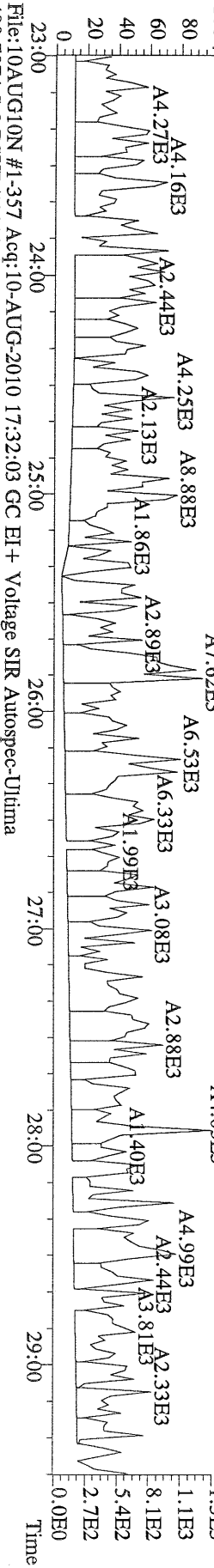
File:10AUG10N #1-357 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



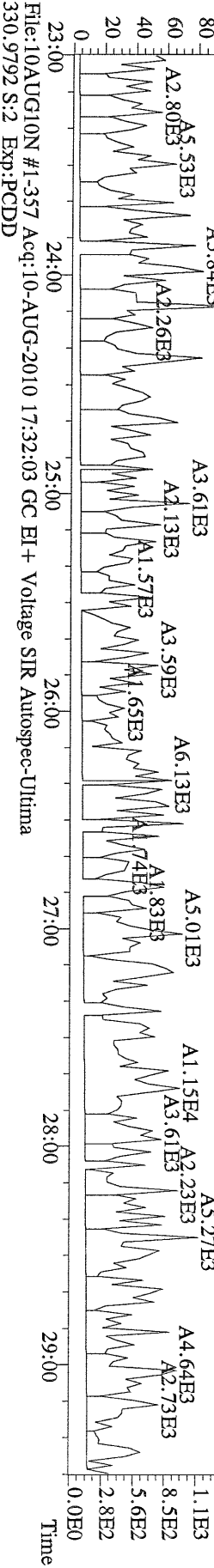
File:10AUG10N #1-357 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



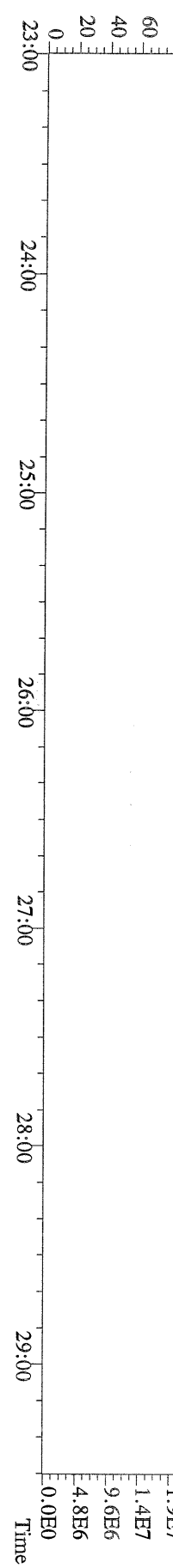
File:10AUG10N #1-357 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



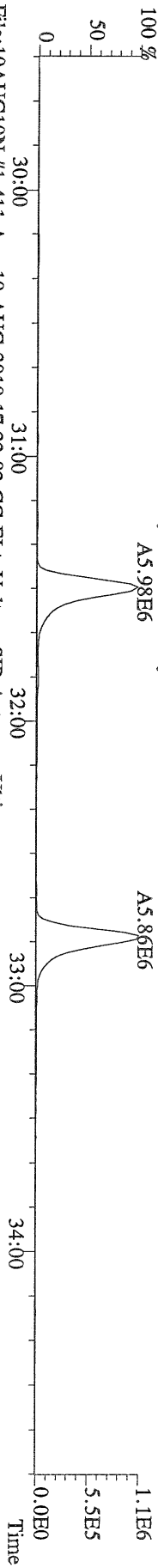
File:10AUG10N #1-357 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



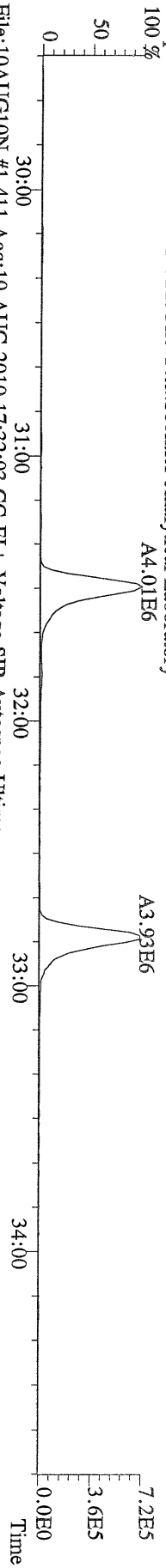
File:10AUG10N #1-357 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
 330.9792 S:2 Exp:PCDD  
 Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



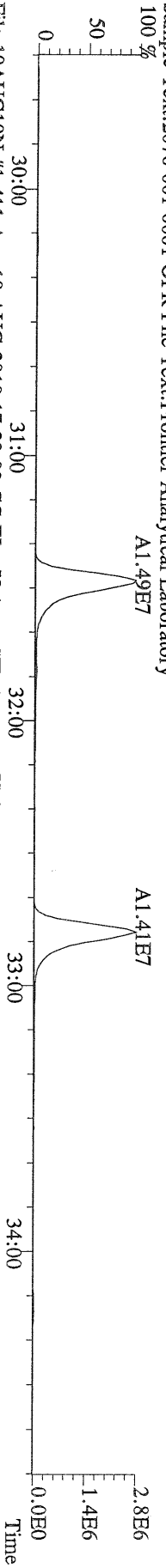
File:10AUG10N #1-411 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



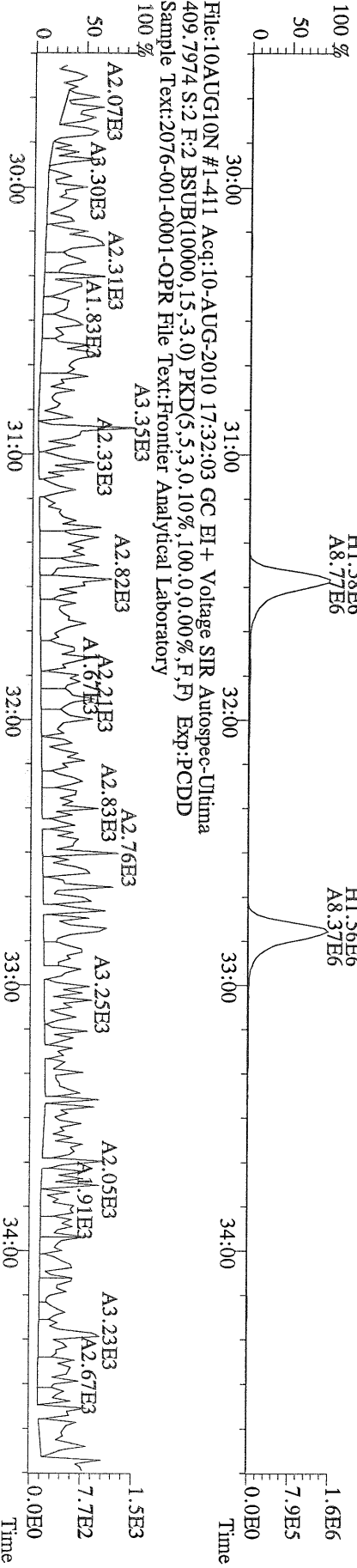
File:10AUG10N #1-411 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



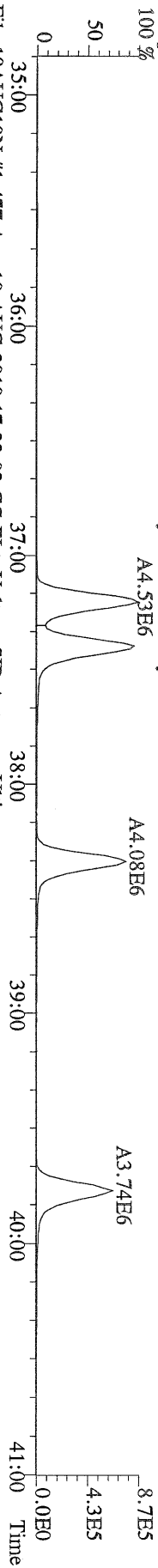
File:10AUG10N #1-411 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



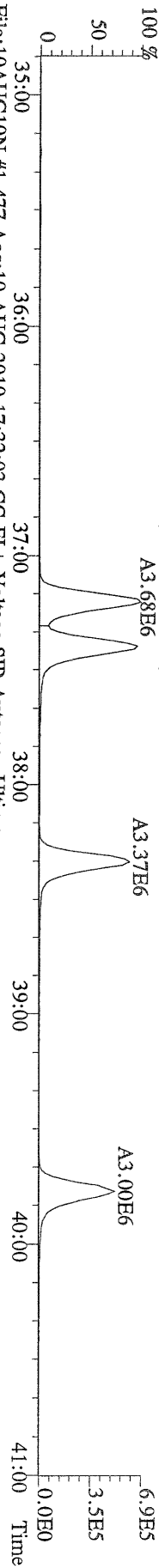
File:10AUG10N #1-411 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Utima  
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



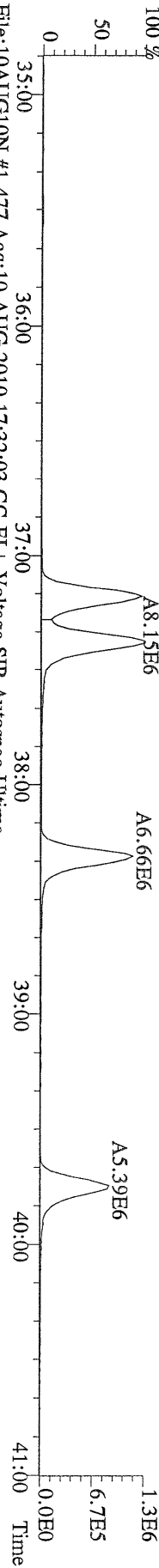
File:10AUG10N #1-477 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



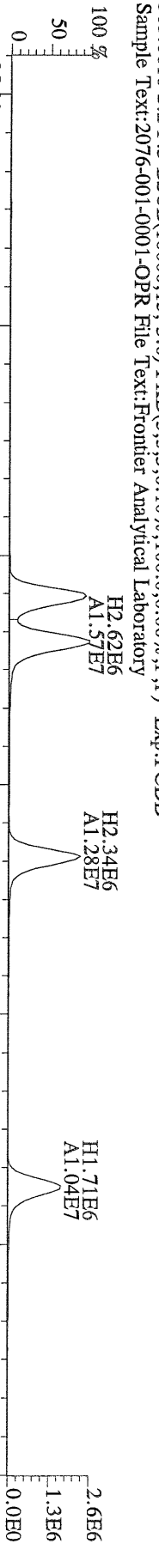
File:10AUG10N #1-477 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



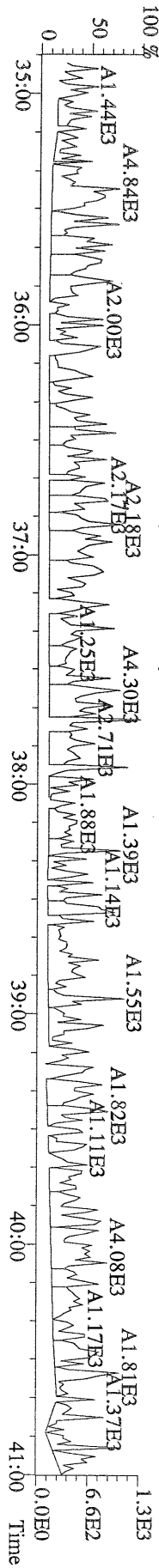
File:10AUG10N #1-477 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



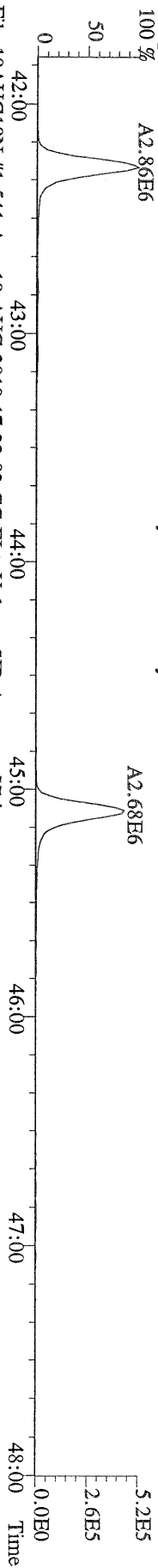
File:10AUG10N #1-477 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



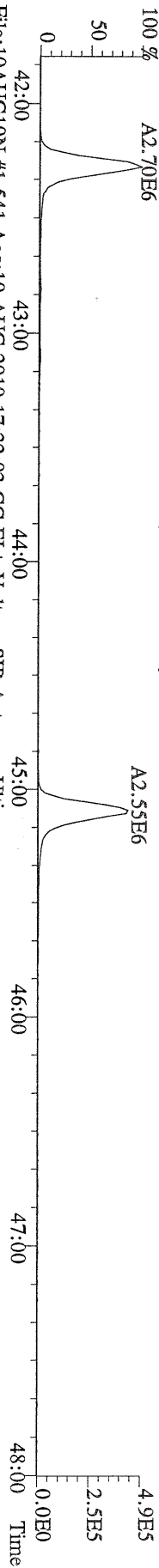
File:10AUG10N #1-477 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



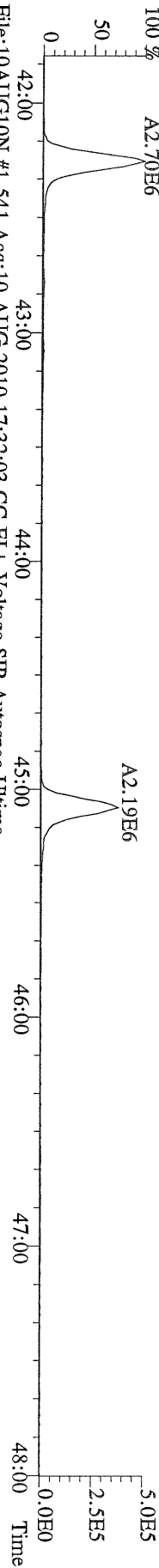
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



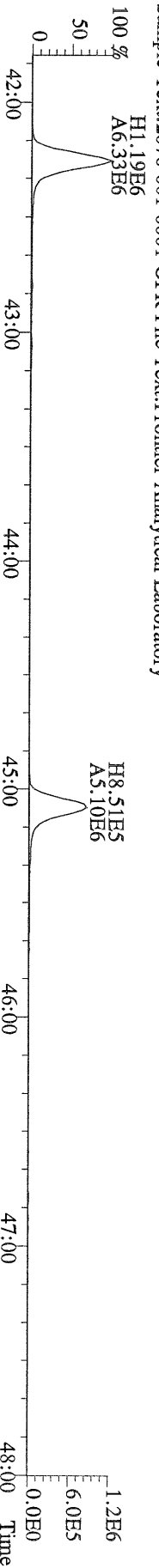
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



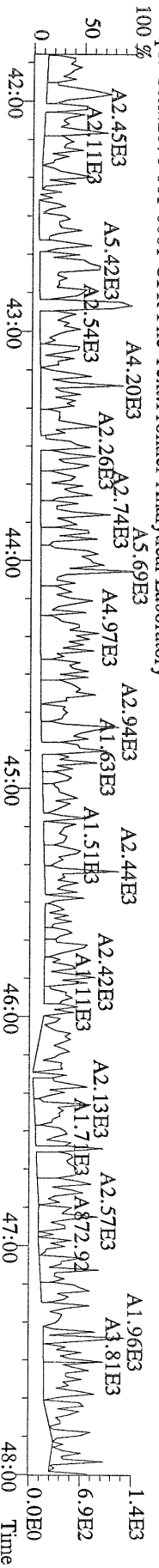
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



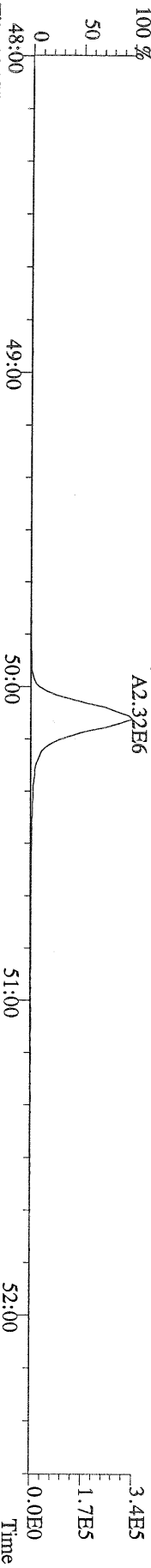
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



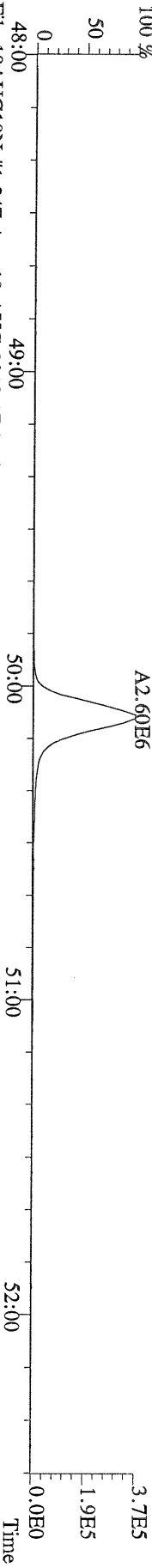
File:10AUG10N #1-541 Acq:10-AUG-2010 17:32:03 GC EI+ Voltage SIR Autospec-Ultima  
479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



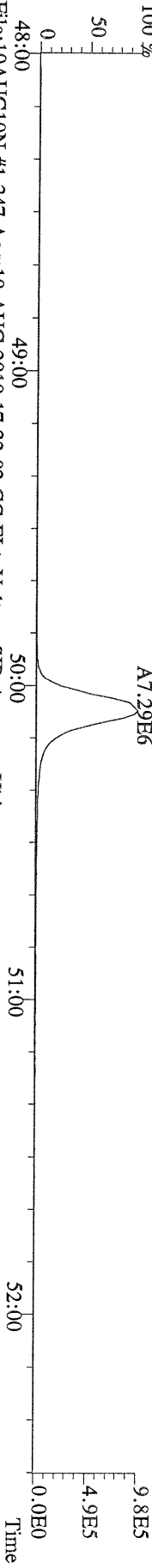
File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



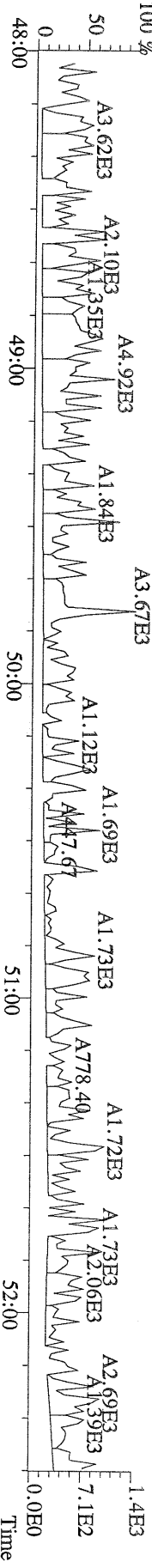
File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:10-AUG-2010 17:32:03 GC EI + Voltage SIR Autospec-Utima  
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:2076-001-0001-OPR File Text:Frontier Analytical Laboratory





Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	3.14e+05	0.70 y	27:26	1.04	7.18		2.50	-	-	*	
1,2,3,7,8-PeCDD	1.16e+06	1.59 y	33:14	1.05	30.0		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	1.32e+06	1.29 y	38:36	1.30	37.6		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	5.79e+06	1.39 y	38:45	1.28	184		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	3.77e+06	1.41 y	39:12	1.25	117		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.35	* 7300	*	2.50	-	-	*	
OCDD	*	* n	NotFnd	1.25	* 7100	*	2.50	-	-	*	
2,3,7,8-TCDF	9.27e+04	0.74 y	26:40	1.62	0.964	J	2.50	-	-	*	
1,2,3,7,8-PeCDF	1.17e+05	1.46 y	31:30	0.92	2.34	J	2.50	-	-	*	
2,3,4,7,8-PeCDF	2.49e+05	1.42 y	32:50	0.94	4.97	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	1.14e+06	1.22 y	37:12	0.93	23.8		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	7.52e+05	1.22 y	37:24	0.84	15.5		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	1.10e+06	1.26 y	38:21	0.90	24.5		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	1.54e+05	1.38 y	39:50	0.98	3.72	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	6.25e+07	1.06 y	42:18	1.38	1630		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	1.42e+06	1.09 y	45:06	1.62	39.2		2.50	-	-	*	
OCDF	1.80e+08	0.87 y	50:10	0.74	7290		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.07e+07	0.83 y	27:23	0.93	508					104	
13C-1,2,3,7,8-PeCDD	1.81e+07	1.76 y	33:13	0.81	508					104	
13C-1,2,3,4,7,8-HxCDD	1.32e+07	1.26 y	38:34	0.95	540					110	
13C-1,2,3,6,7,8-HxCDD	1.21e+07	1.20 y	38:44	1.00	468					95.4	
13C-1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	0.92	*		* 97.0'			*	
13C-OCDD	*	* n	NotFnd	0.63	*		* 97.0'			*	
13C-2,3,7,8-TCDF	2.91e+07	0.85 y	26:39	0.87	509					104	
13C-1,2,3,7,8-PeCDF	2.68e+07	1.71 y	31:29	0.81	505					103	
13C-2,3,4,7,8-PeCDF	2.60e+07	1.69 y	32:48	0.75	526					107	
13C-1,2,3,4,7,8-HxCDF	2.52e+07	0.52 y	37:11	1.74	561					114	
13C-1,2,3,6,7,8-HxCDF	2.85e+07	0.53 y	37:23	2.17	507					103	
13C-2,3,4,6,7,8-HxCDF	2.46e+07	0.53 y	38:20	1.82	522					107	
13C-1,2,3,7,8,9-HxCDF	2.06e+07	0.53 y	39:46	1.49	536					109	
13C-1,2,3,4,6,7,8-HpCDF	1.36e+07	0.43 y	42:16	1.10	479					97.8	
13C-1,2,3,4,7,8,9-HpCDF	1.10e+07	0.42 y	45:05	0.81	519					106	
13C-OCDF	3.27e+07	0.98 y	50:09	1.19	1070					109	
37Cl-2,3,7,8-TCDD	7.65e+06		27:24	0.93	187					95.2	
13C-1,2,3,4-TCDD	2.16e+07	0.83 y	26:49	-	15.6						
13C-1,2,3,4-TCDF	3.23e+07	0.87 y	25:34	-	14.8						
13C-1,2,3,7,8,9-HxCDD	1.27e+07	1.26 y	39:11	-	14.4						
Total Tetra-Dioxins	5.57e+06		24:24	1.04	127		2.50	-	-	*	17
Total Penta-Dioxins	1.23e+07		30:15	1.05	318		2.50	-	-	*	10
Total Hexa-Dioxins	5.43e+07		36:08	1.27	1660		2.50	-	-	*	8
Total Hepta-Dioxins	*		NotFnd	1.35	* 15,500	*	2.50	-	-	*	02
Total Tetra-Furans	4.31e+06		23:26	1.62	44.8		2.50	-	-	*	16
1st Fn. Tot Penta-Furans	4.05e+06		28:27	0.93	80.8		2.50	-	-	*	PeCDF 1
Total Penta-Furans	4.15e+06		30:05	0.93	82.7		2.50	-	-	*	164 / 10
Total Hexa-Furans	4.52e+07		35:15	0.90	991		2.50	-	-	*	12
Total Hepta-Furans	2.10e+08		42:18	1.48	5580		2.50	-	-	*	4

Analyst: [Signature]

Date: 8/11/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 16

File: 10AUG10N

S: 10 I: 1 F: 1

Acquired: 11-AUG-10 00:54:55

Total Concentration: 127

Unnamed Concentration: 120.162

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:24	8.04e+04	1.05e+05	0.76 y	1.86e+05	4.24	
24:41	9.60e+04	1.31e+05	0.74 y	2.27e+05	5.18	
25:00	1.84e+05	2.52e+05	0.73 y	4.36e+05	9.96	
25:37	1.63e+05	2.23e+05	0.73 y	3.85e+05	8.81	
25:48	3.18e+05	4.48e+05	0.71 y	7.67e+05	17.5	
25:57	1.80e+05	2.54e+05	0.71 y	4.35e+05	9.94	
26:08	8.29e+04	1.19e+05	0.70 y	2.02e+05	4.61	
26:20	8.08e+04	1.12e+05	0.72 y	1.93e+05	4.41	
26:29	1.83e+05	2.58e+05	0.71 y	4.41e+05	10.1	
26:48	2.26e+05	3.16e+05	0.71 y	5.42e+05	12.4	
26:55	4.76e+04	6.46e+04	0.74 y	1.12e+05	2.56	
27:09	1.09e+05	1.54e+05	0.71 y	2.63e+05	6.01	
27:17	9.10e+04	1.35e+05	0.67 y	2.26e+05	5.16	
27:26	1.29e+05	1.85e+05	0.70 y	3.14e+05	7.18	2,3,7,8-TCDD
27:43	1.58e+05	2.27e+05	0.70 y	3.86e+05	8.82	
27:50	4.27e+04	6.25e+04	0.68 y	1.05e+05	2.40	
28:21	1.47e+05	2.08e+05	0.71 y	3.54e+05	8.10	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 16 File: 10AUG10N  
Acquired: 11-AUG-10 00:54:55

S: 10 I: 1 F: 2

Total Concentration: 318

Unnamed Concentration: 288.171

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	1.32e+06	8.03e+05	1.64 y	2.12e+06	54.9	
30:52	1.01e+06	6.14e+05	1.64 y	1.62e+06	42.0	
31:30	3.75e+05	2.27e+05	1.65 y	6.02e+05	15.6	
31:43	8.20e+05	5.20e+05	1.58 y	1.34e+06	34.7	
31:51	5.80e+05	3.44e+05	1.68 y	9.24e+05	23.9	
32:09	1.56e+06	9.96e+05	1.57 y	2.56e+06	66.2	
32:38	2.63e+05	1.73e+05	1.52 y	4.37e+05	11.3	
33:14	7.12e+05	4.47e+05	1.59 y	1.16e+06	30.0	1,2,3,7,8-PeCDD
33:21	3.34e+05	2.01e+05	1.66 y	5.34e+05	13.8	
33:48	6.07e+05	3.85e+05	1.58 y	9.92e+05	25.7	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 16

File: 10AUG10N

S: 10 I: 1 F: 3

Acquired: 11-AUG-10 00:54:55

Total Concentration: 1660

Unnamed Concentration: 1321.185

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:08	8.63e+06	6.42e+06	1.35 y	1.50e+07	458	
37:04	1.37e+06	9.92e+05	1.38 y	2.36e+06	72.0	
37:29	1.32e+07	9.52e+06	1.39 y	2.27e+07	691	
37:41	9.94e+05	7.06e+05	1.41 y	1.70e+06	51.7	
38:36	7.42e+05	5.75e+05	1.29 y	1.32e+06	37.6	1,2,3,4,7,8-HxCDD
38:45	3.37e+06	2.42e+06	1.39 y	5.79e+06	184	1,2,3,6,7,8-HxCDD
39:03	9.19e+05	6.64e+05	1.38 y	1.58e+06	48.2	
39:12	2.20e+06	1.56e+06	1.41 y	3.77e+06	117	1,2,3,7,8,9-HxCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 16

File: 10AUG10N

S: 10 I: 1 F: 1

Acquired: 11-AUG-10 00:54:55

Total Concentration: 44.8

Unnamed Concentration: 43.830

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:26	1.09e+05	1.54e+05	0.70 y	2.63e+05	2.74	
23:49	3.38e+05	5.02e+05	0.67 y	8.40e+05	8.74	
24:11	1.44e+05	2.11e+05	0.68 y	3.55e+05	3.69	
24:27	1.44e+05	2.06e+05	0.70 y	3.50e+05	3.64	
24:44	2.47e+05	3.75e+05	0.66 y	6.22e+05	6.47	
24:59	3.85e+04	5.12e+04	0.75 y	8.97e+04	0.933	
25:21	5.69e+04	8.47e+04	0.67 y	1.42e+05	1.47	
25:28	1.96e+05	2.93e+05	0.67 y	4.88e+05	5.08	
25:35	9.29e+04	1.30e+05	0.72 y	2.22e+05	2.31	
25:56	5.29e+04	7.55e+04	0.70 y	1.28e+05	1.34	
26:09	2.94e+04	4.45e+04	0.66 y	7.39e+04	0.768	
26:19	2.78e+04	4.05e+04	0.69 y	6.83e+04	0.711	
26:34	6.71e+04	1.00e+05	0.67 y	1.68e+05	1.74	
26:40	3.94e+04	5.33e+04	0.74 y	9.27e+04	0.964	2,3,7,8-TCDF
27:00	5.82e+04	7.71e+04	0.75 y	1.35e+05	1.41	
28:28	1.09e+05	1.59e+05	0.68 y	2.68e+05	2.79	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 16      File: 10AUG10N      S: 10 I: 1 F: 1  
Acquired: 11-AUG-10 00:54:55

Total Concentration: 80.8      Unnamed Concentration: 80.809

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:27	2.52e+06	1.53e+06	1.65 y	4.05e+06	80.8	

Totals class: Total Penta-Furans

Entry #: 44

Run: 16

File: 10AUG10N

S: 10 I: 1 F: 2

Acquired: 11-AUG-10 00:54:55

Total Concentration: 82.7

Unnamed Concentration: 75.409

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:05	1.62e+05	1.08e+05	1.50 y	2.71e+05	5.40	
30:15	1.15e+06	8.02e+05	1.43 y	1.95e+06	38.8	
30:43	4.44e+04	2.93e+04	1.51 y	7.37e+04	1.47	
30:57	4.20e+05	2.98e+05	1.41 y	7.17e+05	14.3	
31:15	4.39e+04	3.15e+04	1.39 y	7.54e+04	1.50	
31:30	6.97e+04	4.77e+04	1.46 y	1.17e+05	2.34	1,2,3,7,8-PeCDF
31:51	1.80e+05	1.16e+05	1.55 y	2.96e+05	5.91	
32:41	5.16e+04	3.89e+04	1.33 y	9.05e+04	1.81	
32:50	1.46e+05	1.03e+05	1.42 y	2.49e+05	4.97	2,3,4,7,8-PeCDF
32:52	1.80e+05	1.29e+05	1.40 y	3.09e+05	6.17	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 16

File: 10AUG10N

S: 10 I: 1 F: 3

Acquired: 11-AUG-10 00:54:55

Total Concentration: 991

Unnamed Concentration: 923.102

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:15	1.52e+06	1.26e+06	1.21 y	2.77e+06	60.8	
35:31	6.89e+06	5.62e+06	1.23 y	1.25e+07	274	
35:51	5.08e+04	3.77e+04	1.35 y	8.85e+04	1.94	
36:07	3.10e+05	2.48e+05	1.25 y	5.58e+05	12.2	
36:26	1.43e+07	1.15e+07	1.24 y	2.59e+07	567	
37:02	8.51e+04	7.09e+04	1.20 y	1.56e+05	3.42	
37:12	6.28e+05	5.13e+05	1.22 y	1.14e+06	23.8	1,2,3,4,7,8-HxCDF
37:24	4.13e+05	3.39e+05	1.22 y	7.52e+05	15.5	1,2,3,6,7,8-HxCDF
37:52	6.12e+04	5.18e+04	1.18 y	1.13e+05	2.48	
38:02	1.99e+04	1.59e+04	1.25 y	3.58e+04	0.785	
38:21	6.13e+05	4.86e+05	1.26 y	1.10e+06	24.5	2,3,4,6,7,8-HxCDF
39:50	8.93e+04	6.47e+04	1.38 y	1.54e+05	3.72	1,2,3,7,8,9-HxCDF



Totals class: Total Hepta-Furans

Entry #: 46

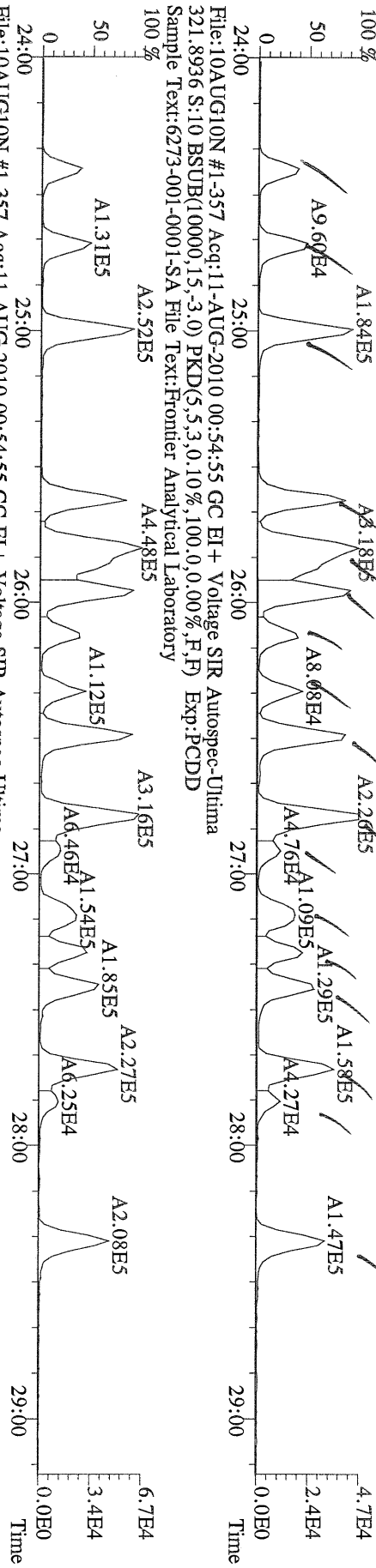
Run: 16 File: 10AUG10N S: 10 I: 1 F: 4  
Acquired: 11-AUG-10 00:54:55

Total Concentration: 5580

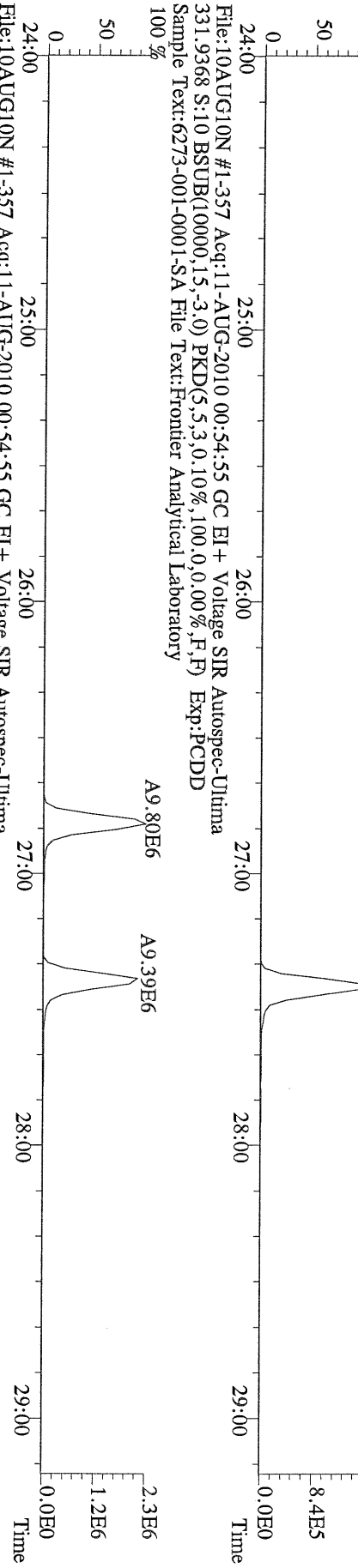
Unnamed Concentration: 3912.666

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:18	3.21e+07	3.04e+07	1.06 y	6.25e+07	1630	1,2,3,4,6,7,8-HpCDF
42:49	5.45e+05	5.52e+05	0.99 y	1.10e+06	29.5	
43:07	7.38e+07	7.07e+07	1.04 y	1.45e+08	3880	
45:06	7.42e+05	6.82e+05	1.09 y	1.42e+06	39.2	1,2,3,4,7,8,9-HpCDF

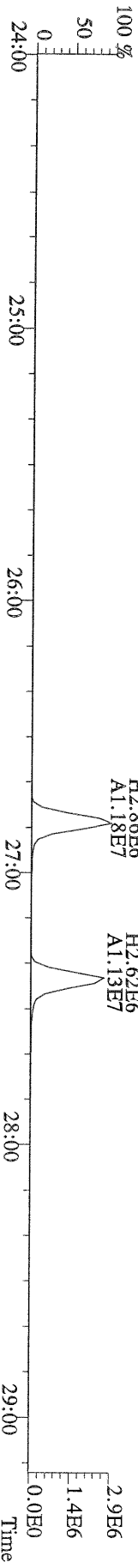
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI + Voltage SIR Autospec-Utima  
319.8965 S:10 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



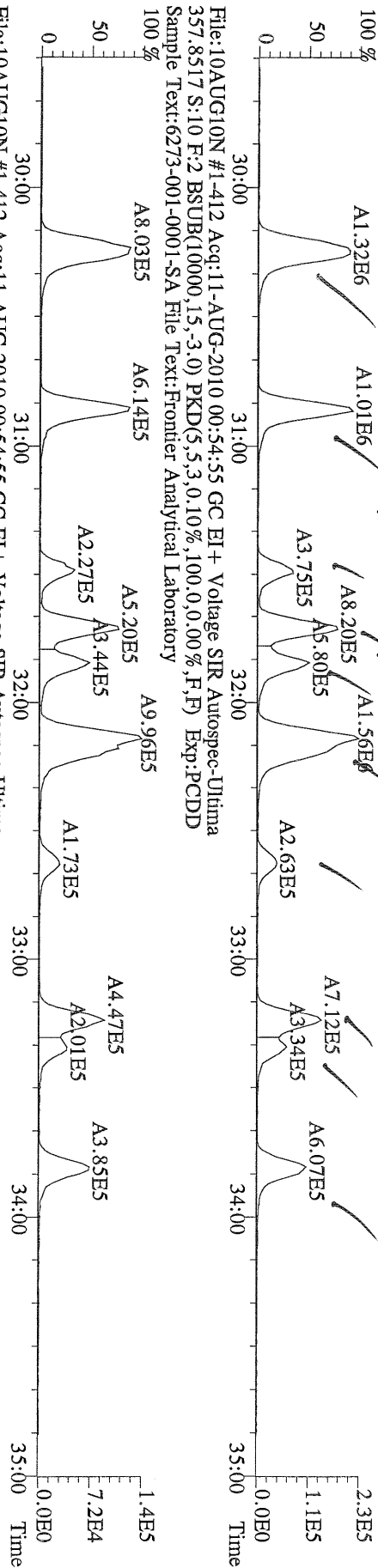
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI + Voltage SIR Autospec-Utima  
327.8847 S:10 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



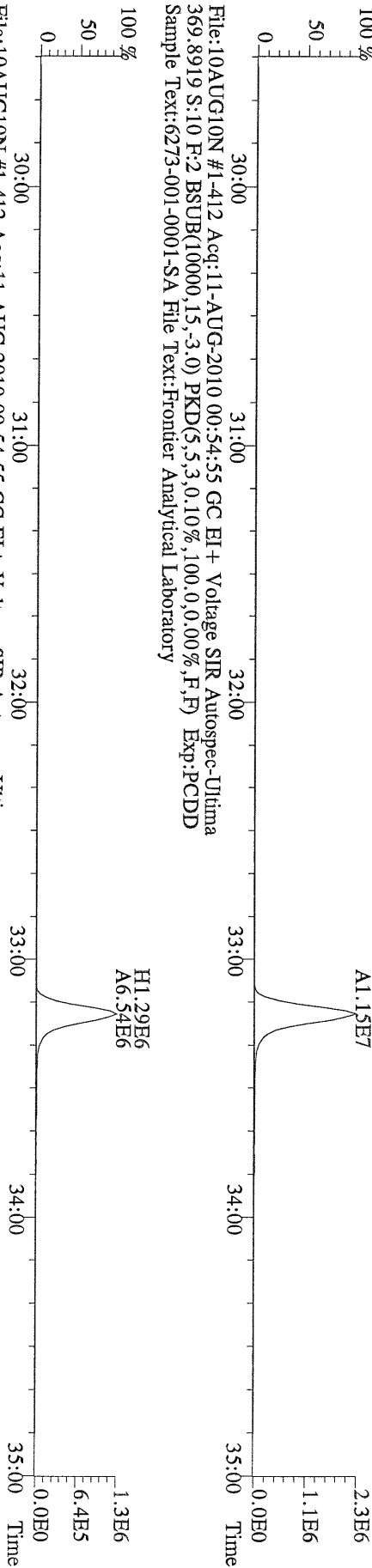
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI + Voltage SIR Autospec-Utima  
333.9339 S:10 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



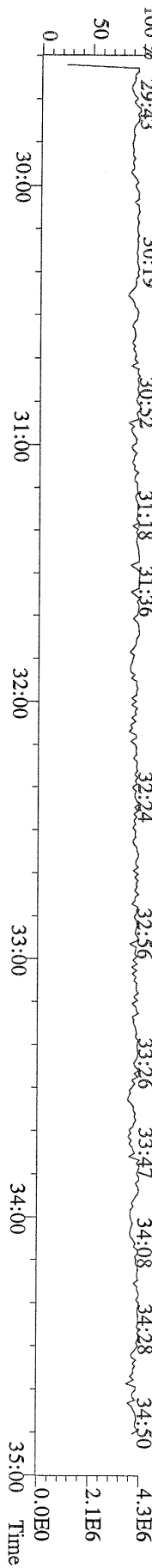
File:10AUG10N #1-412 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
355.8546 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



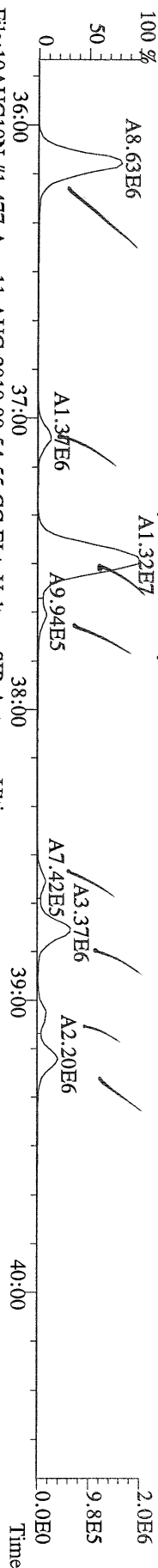
File:10AUG10N #1-412 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
367.8949 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



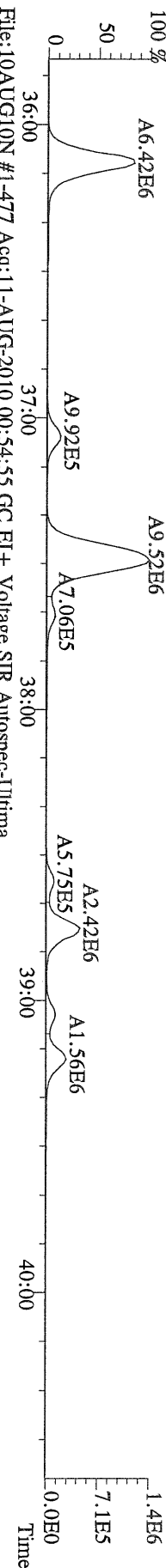
File:10AUG10N #1-412 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
366.9792 S:10 F:2 Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



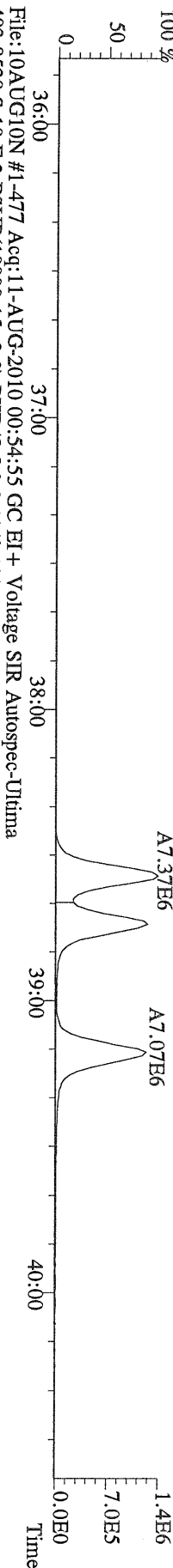
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



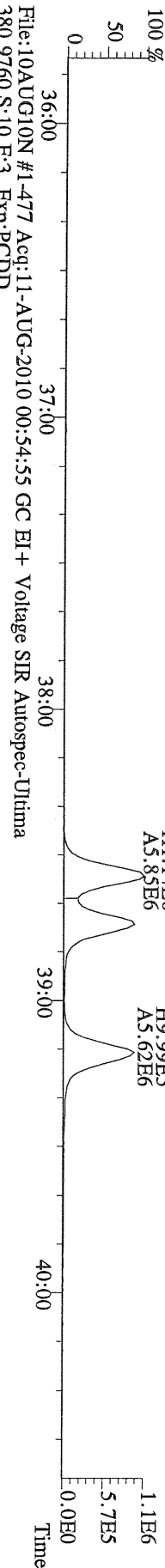
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
401.8559 S:10 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



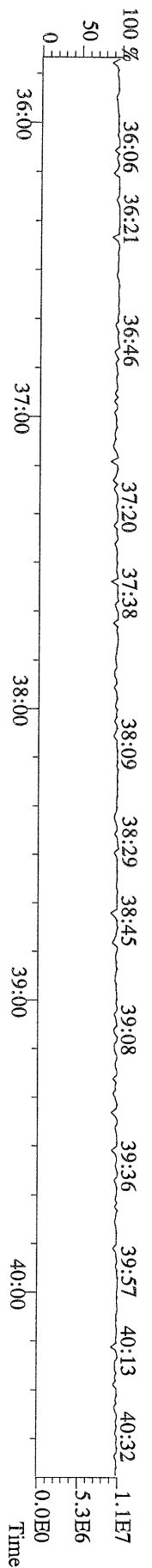
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
403.8530 S:10 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



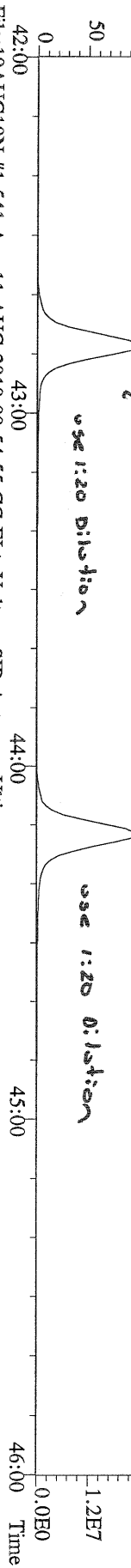
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
380.9760 S:10 F:3 Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



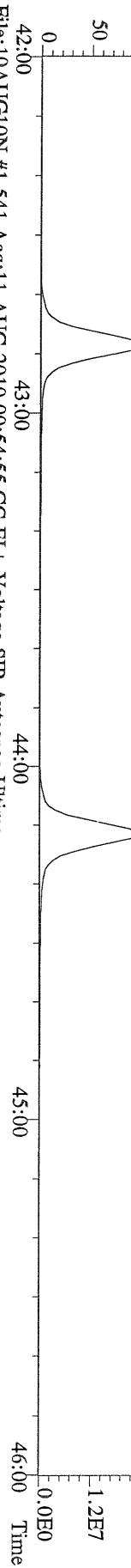
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
380.9760 S:10 F:3 Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



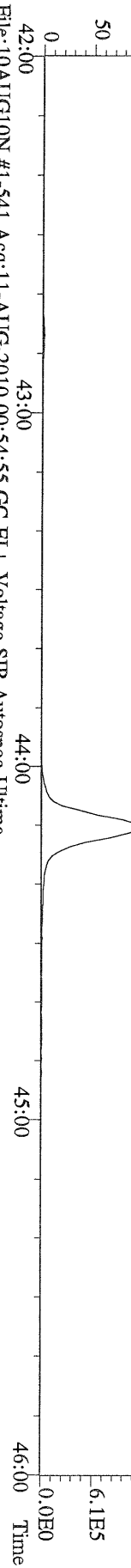
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %  
A1.26E8



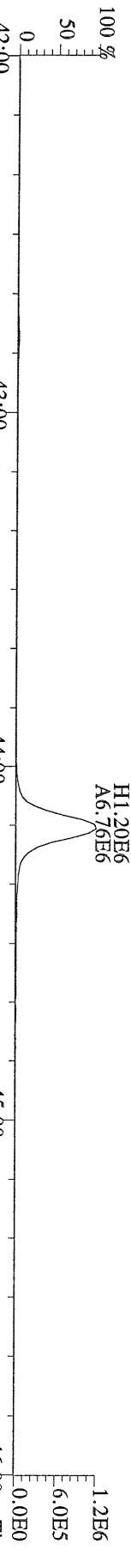
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %  
A1.27E8



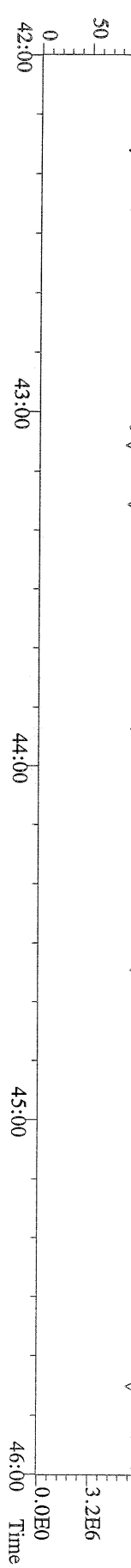
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %  
A6.65E6



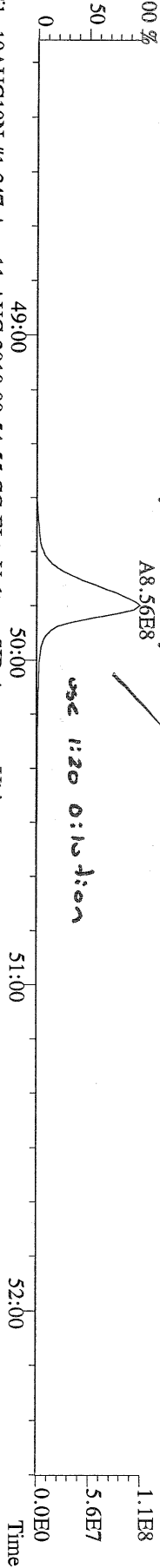
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:10 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



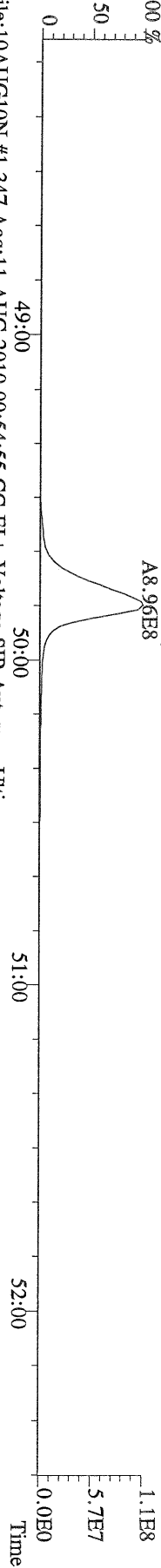
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:10 F:4 Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %  
42:24 42:41 43:01 43:18 43:37 43:57 44:17 44:33 44:51 45:12 45:30 45:44



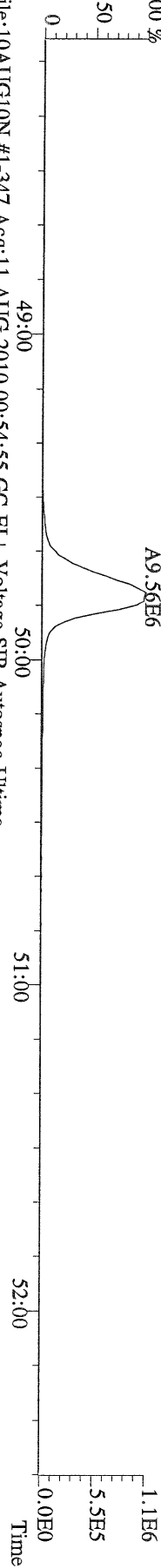
File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



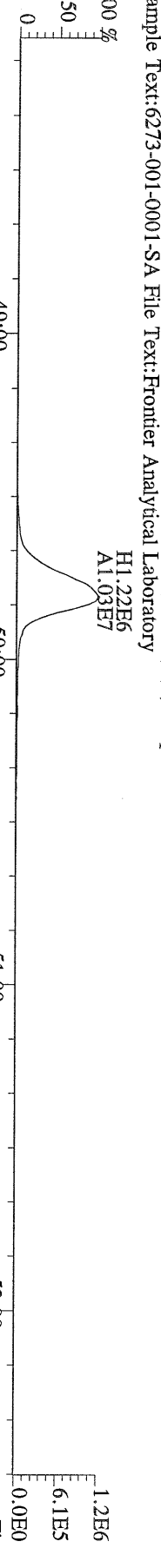
File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



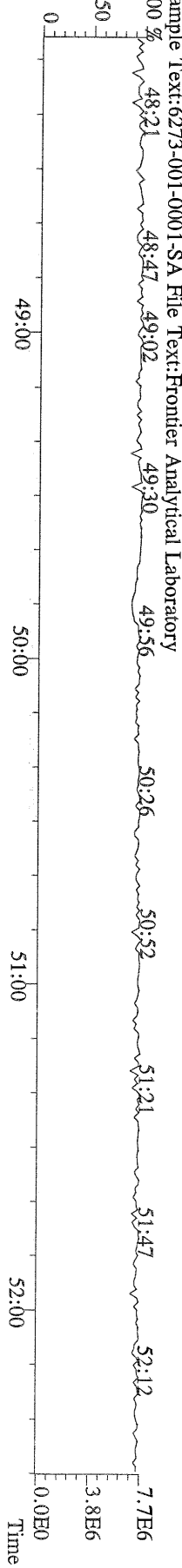
File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



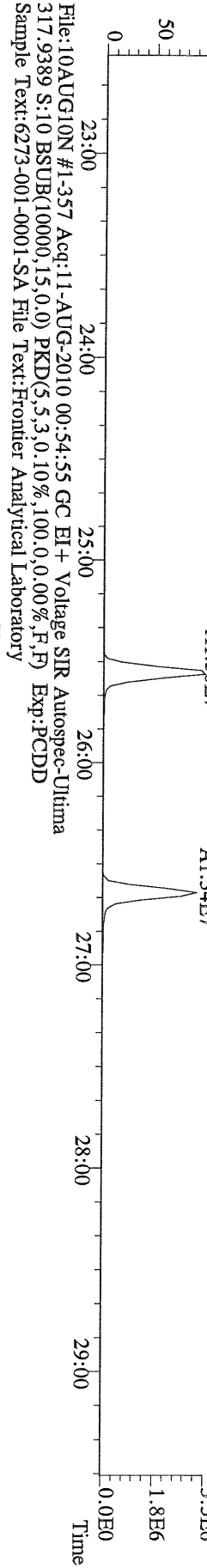
File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:10 F:5 Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



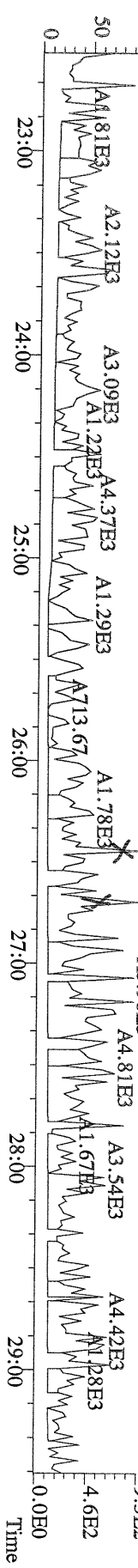
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



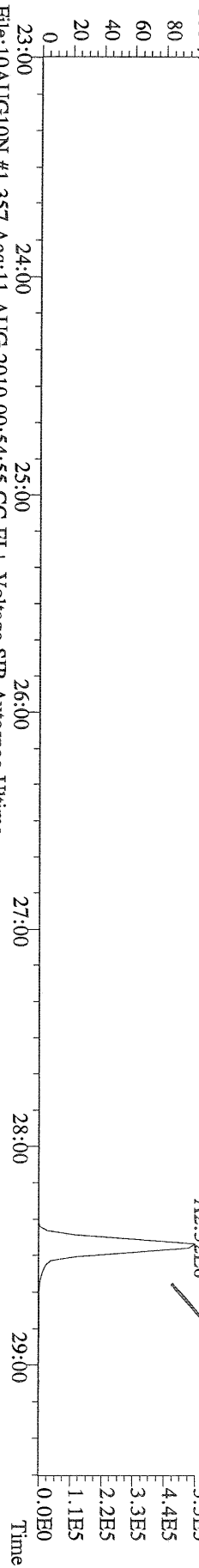
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:10 BSUB(10000,15,0.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



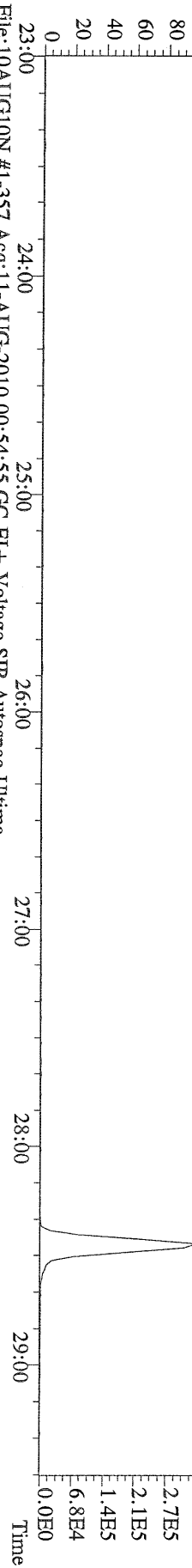
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



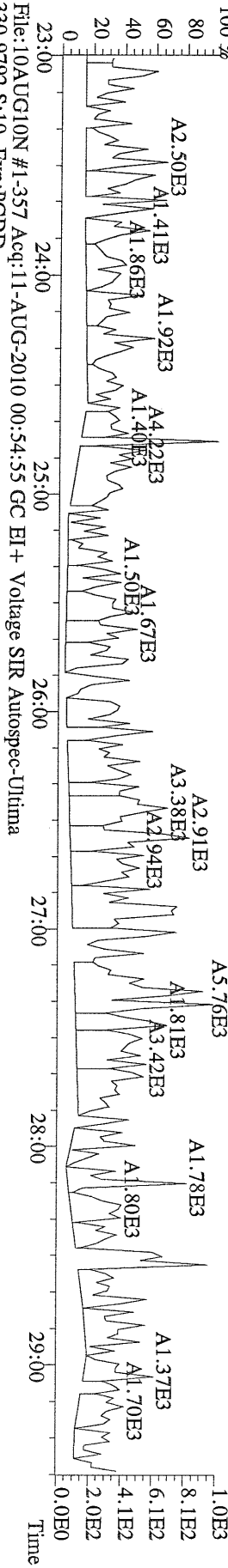
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Utima  
 339.8597 S:10 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



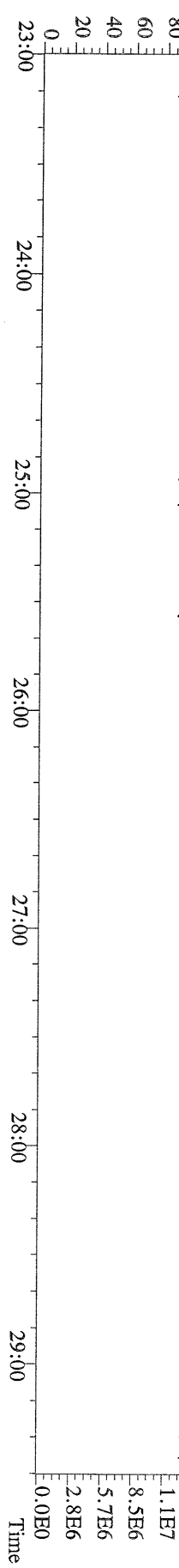
File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Utima  
 341.8568 S:10 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Utima  
 409.7974 S:10 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory

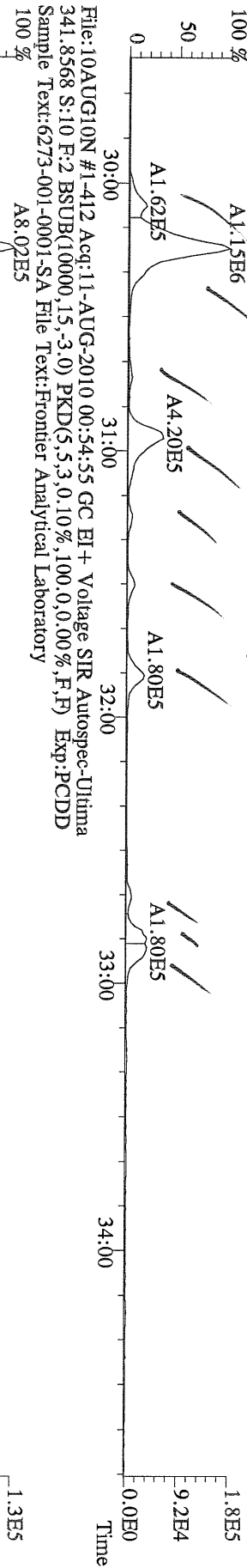


File:10AUG10N #1-357 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Utima  
 330.9792 S:10 Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory

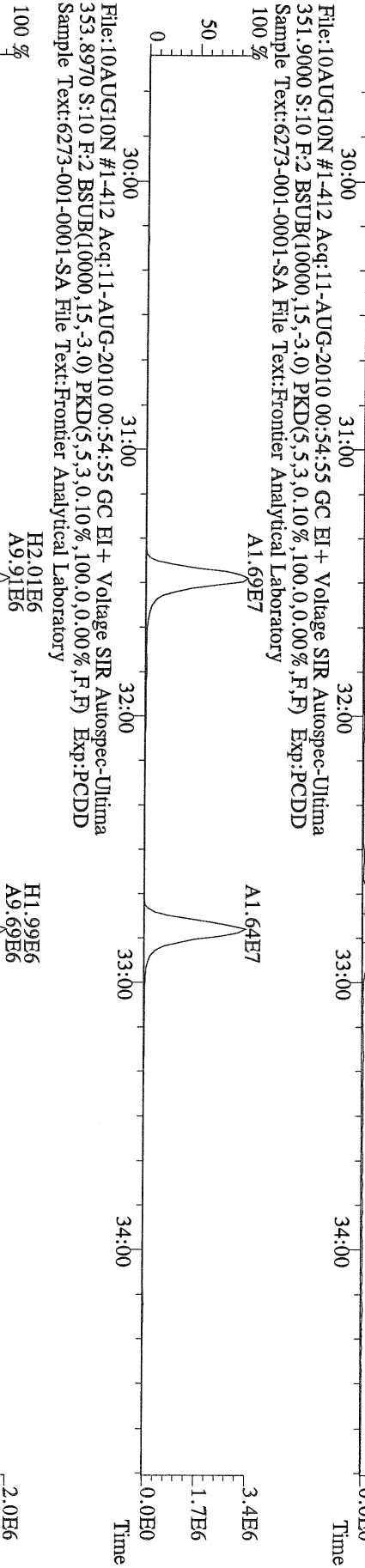




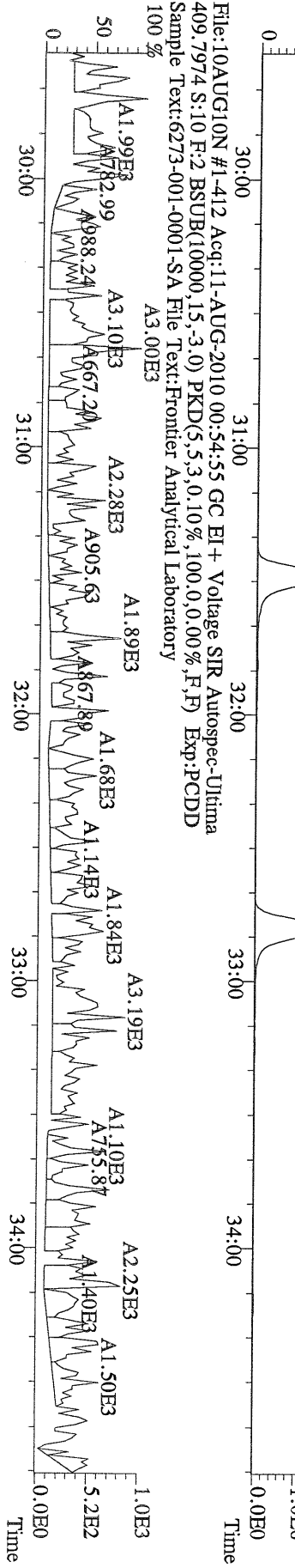
File:10AUG10N #1-412 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



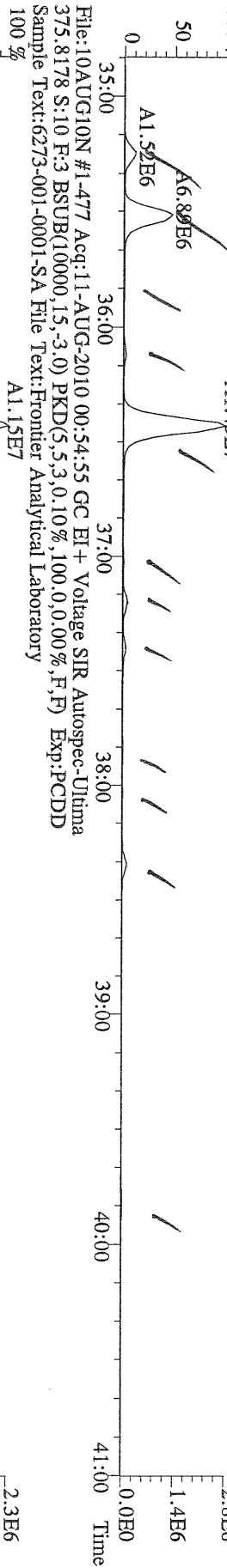
File:10AUG10N #1-412 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
 351.9000 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



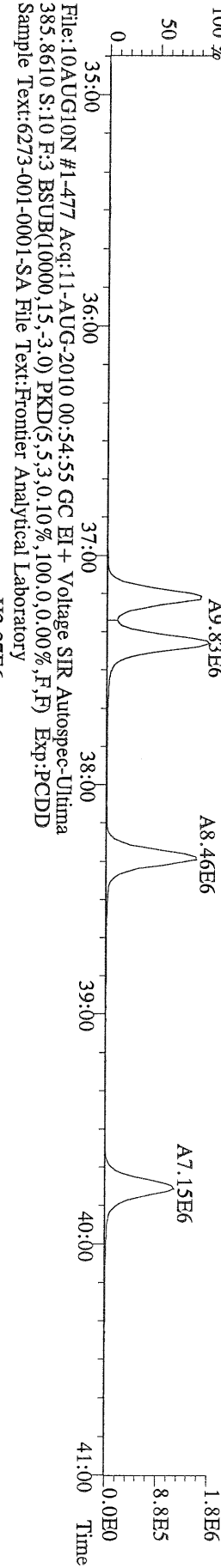
File:10AUG10N #1-412 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



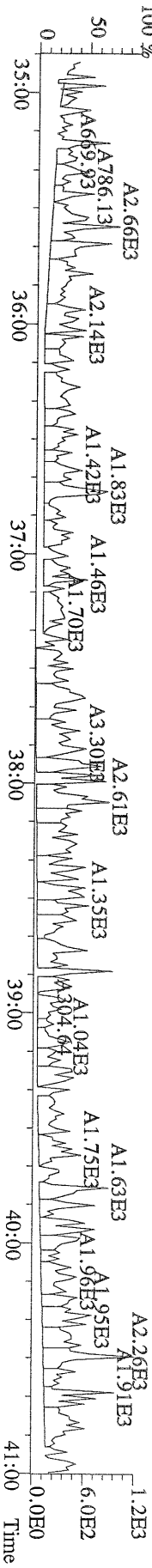
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Utima  
 373.8207 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



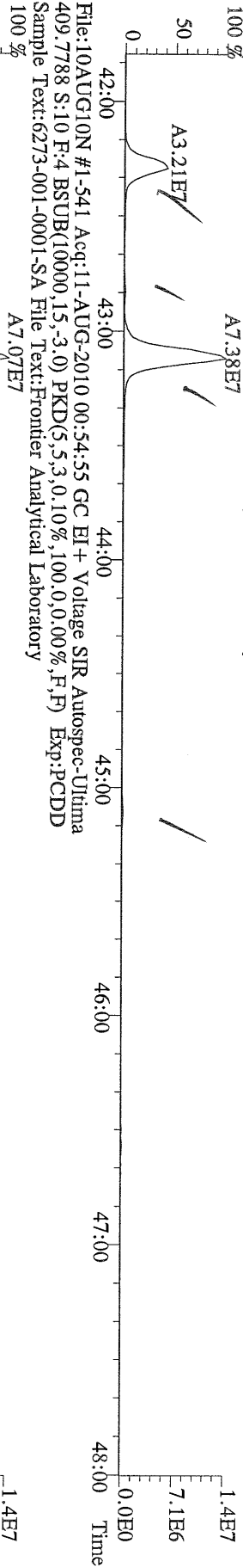
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Utima  
 383.8639 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



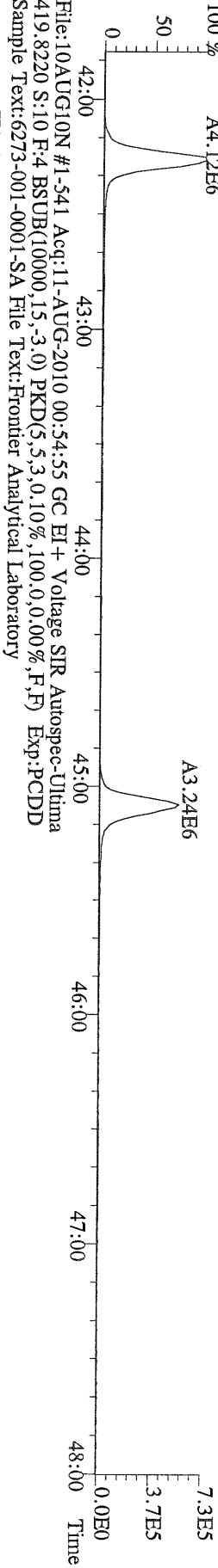
File:10AUG10N #1-477 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Utima  
 445.7555 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



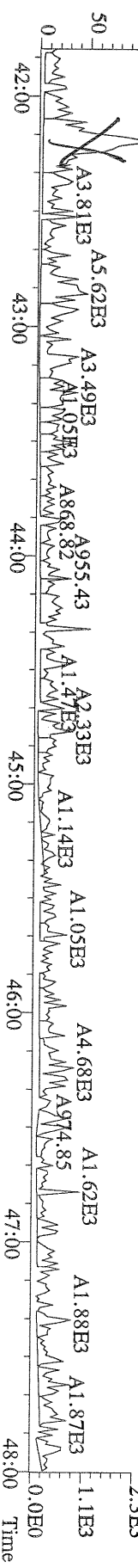
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
407.7818 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



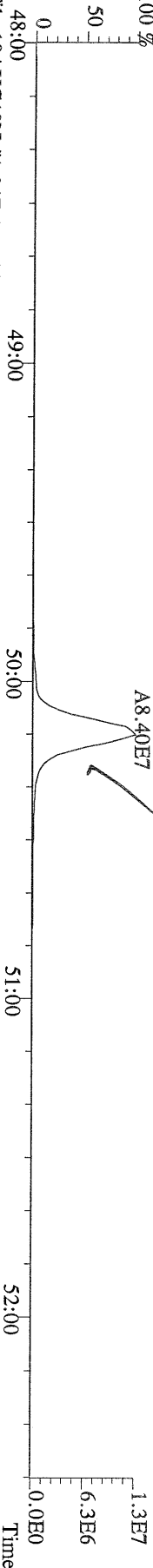
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
417.8253 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



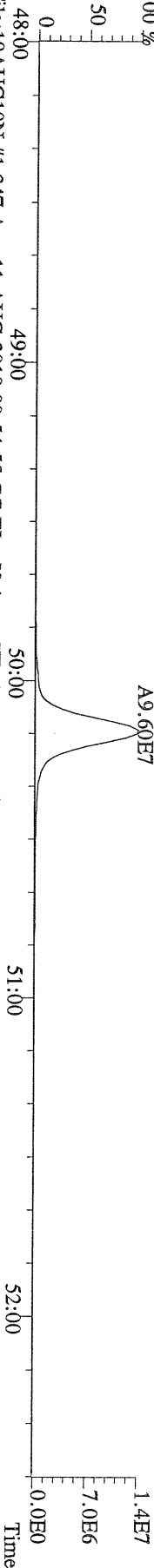
File:10AUG10N #1-541 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
479.7165 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



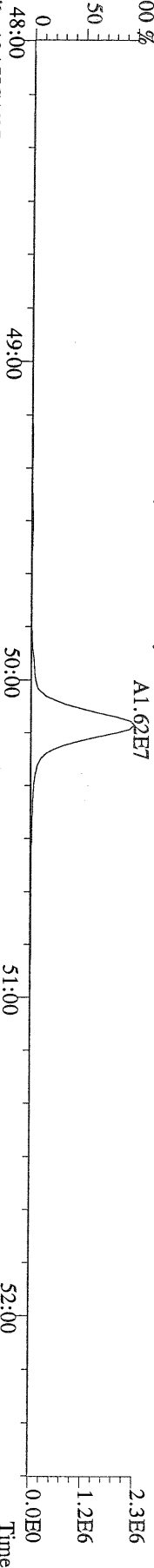
File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



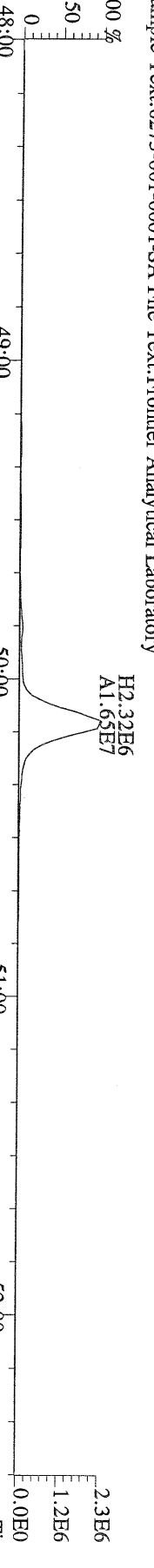
File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



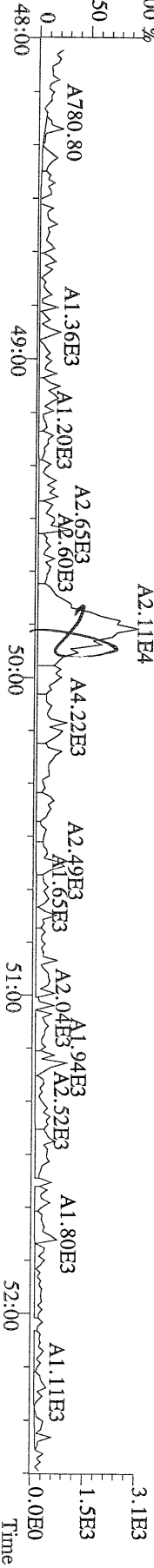
File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:11-AUG-2010 00:54:55 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.04	*	2.50	-	-	*		
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*	2.50	-	-	*		
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.30	*	2.50	-	-	*		
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.28	*	2.50	-	-	*		
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.25	*	2.50	-	-	*		
1,2,3,4,6,7,8-HpCDD	5.38e+07	1.04 y	44:09	1.35	7300	2.50	-	-	*		
OCDD	3.60e+08	0.92 y	49:42	1.25	77100	2.50	-	-	*		
2,3,7,8-TCDF	*	* n	NotFnd	1.62	*	2.50	-	-	*		
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*	2.50	-	-	*		
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*	2.50	-	-	*		
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*	2.50	-	-	*		
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.84	*	2.50	-	-	*		
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.90	*	2.50	-	-	*		
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*	2.50	-	-	*		
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.38	*	2.50	-	-	*		
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.62	*	2.50	-	-	*		
OCDF	*	* n	NotFnd	0.74	*	2.50	-	-	*		
13C-2,3,7,8-TCDD	*	* n	NotFnd	0.93	*					*	
13C-1,2,3,7,8-PeCDD	*	* n	NotFnd	0.81	*					*	
13C-1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.95	*					*	
13C-1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.00	*					*	
13C-1,2,3,4,6,7,8-HpCDD	2.67e+06	0.98 y	44:07	0.92	477					97.2	
13C-OCDD	3.66e+06	0.91 y	49:41	0.63	951					97.0	
13C-2,3,7,8-TCDF	*	* n	NotFnd	0.87	*					*	
13C-1,2,3,7,8-PeCDF	*	* n	NotFnd	0.81	*					*	
13C-2,3,4,7,8-PeCDF	*	* n	NotFnd	0.75	*					*	
13C-1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.74	*					*	
13C-1,2,3,6,7,8-HxCDF	*	* n	NotFnd	2.17	*					*	
13C-2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.82	*					*	
13C-1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.49	*					*	
13C-1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.10	*					*	
13C-1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	0.81	*					*	
13C-OCDF	*	* n	NotFnd	1.19	*					*	
37Cl-2,3,7,8-TCDD	3.81e+03		22:38	0.93	*					*	
13C-1,2,3,4-TCDD	*	* n	NotFnd	-	*					*	
13C-1,2,3,4-TCDF	*	* n	NotFnd	-	*					*	
13C-1,2,3,7,8,9-HxCDD	2.99e+06	1.23 y	39:09	-	3.39					*	
							Fac Noise-1	Noise-2	DL	#Hom	
Total Tetra-Dioxins	*		NotFnd	1.04	*	2.50	-	-	*	0	
Total Penta-Dioxins	*		NotFnd	1.05	*	2.50	-	-	*	0	
Total Hexa-Dioxins	*		NotFnd	1.27	*	2.50	-	-	*	0	
Total Hepta-Dioxins	1.14e+08		42:46	1.35	15500	2.50	-	-	*	2	
Total Tetra-Furans	*		NotFnd	1.62	*	2.50	-	-	*	0	
1st Fn. Tot Penta-Furans	*		NotFnd	0.93	*	2.50	-	-	*	PeCDF 0	
Total Penta-Furans	*		NotFnd	0.93	*	2.50	-	-	*	0.00 0	
Total Hexa-Furans	*		NotFnd	0.90	*	2.50	-	-	*	0	
Total Hepta-Furans	*		NotFnd	1.48	*	2.50	-	-	*	0	

Analyst:           

Date: 8/16/10

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 9

File: 15AUG10M

S: 2 I: 1 F: 4

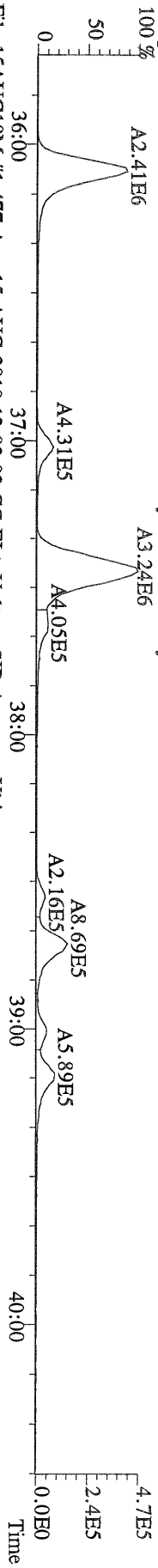
Acquired: 15-AUG-10 13:02:02

Total Concentration: 15500

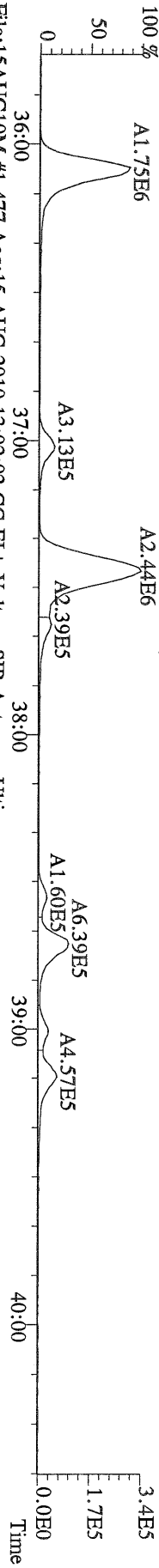
Unnamed Concentration: 8165.562

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:46	3.03e+07	3.00e+07	1.01 y	6.03e+07	8170	
44:09	2.75e+07	2.63e+07	1.04 y	5.38e+07	7300	1,2,3,4,6,7,8-HpCDD

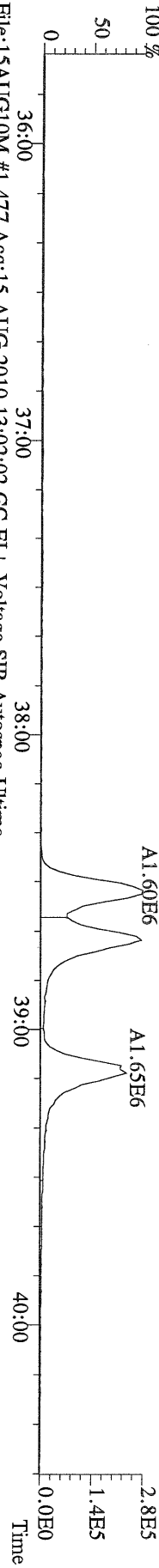
File:15AUG10M #1-477 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



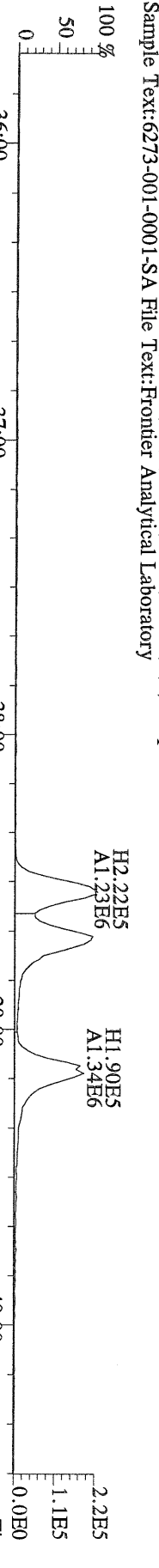
File:15AUG10M #1-477 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
 391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



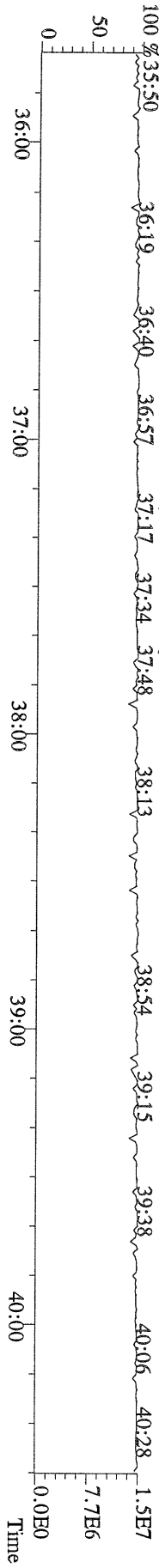
File:15AUG10M #1-477 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
 401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



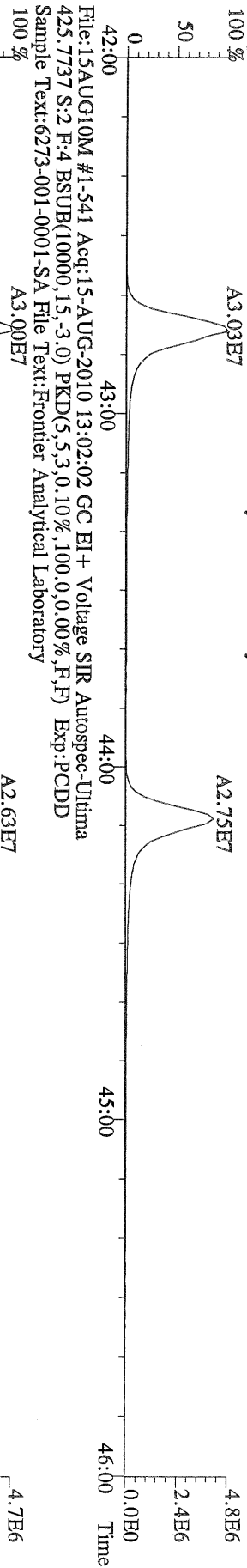
File:15AUG10M #1-477 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
 403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



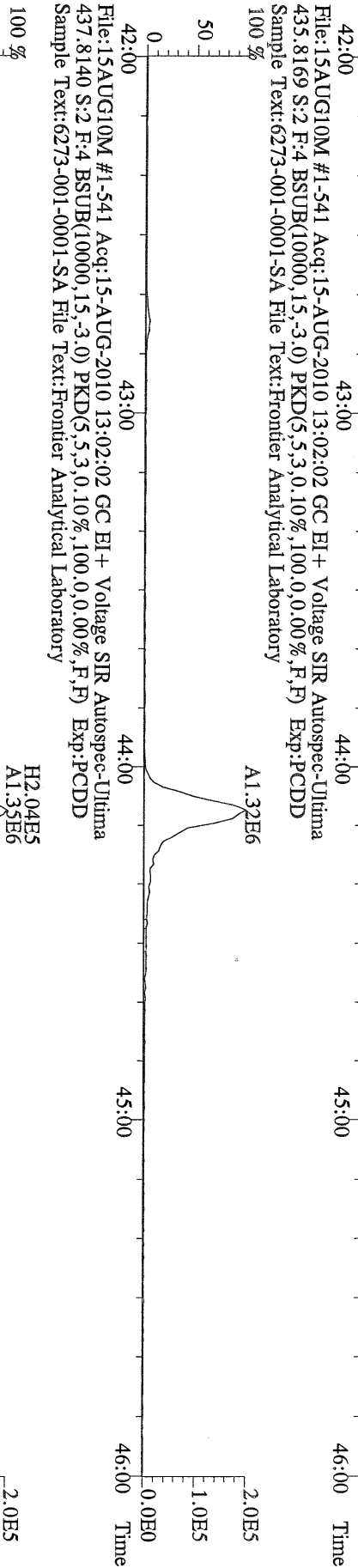
File:15AUG10M #1-477 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
 380.9760 S:2 F:3 Exp:PCDD  
 Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



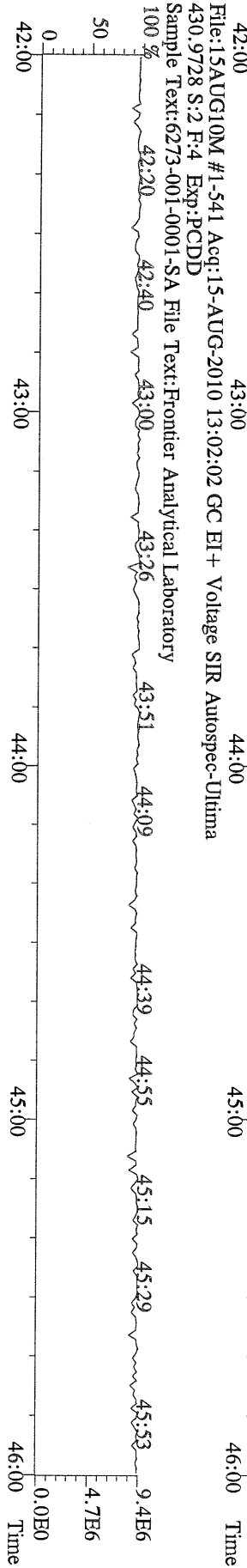
File:15AUG10M #1-541 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory



File:15AUG10M #1-541 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory

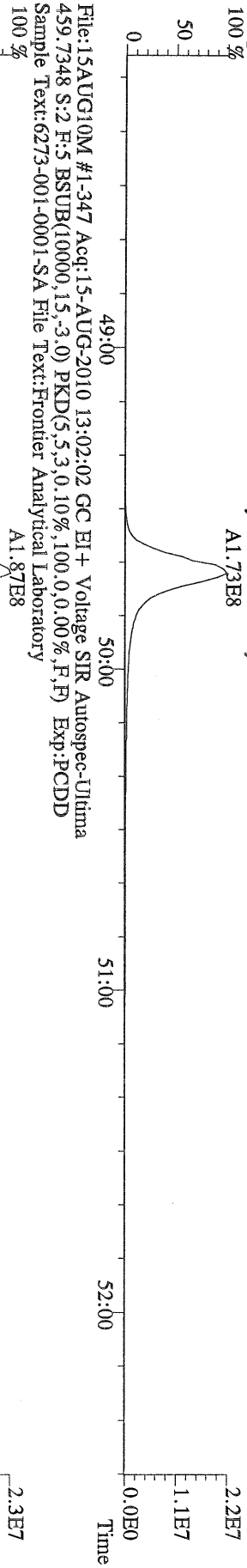


File:15AUG10M #1-541 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:2 F:4 Exp:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory

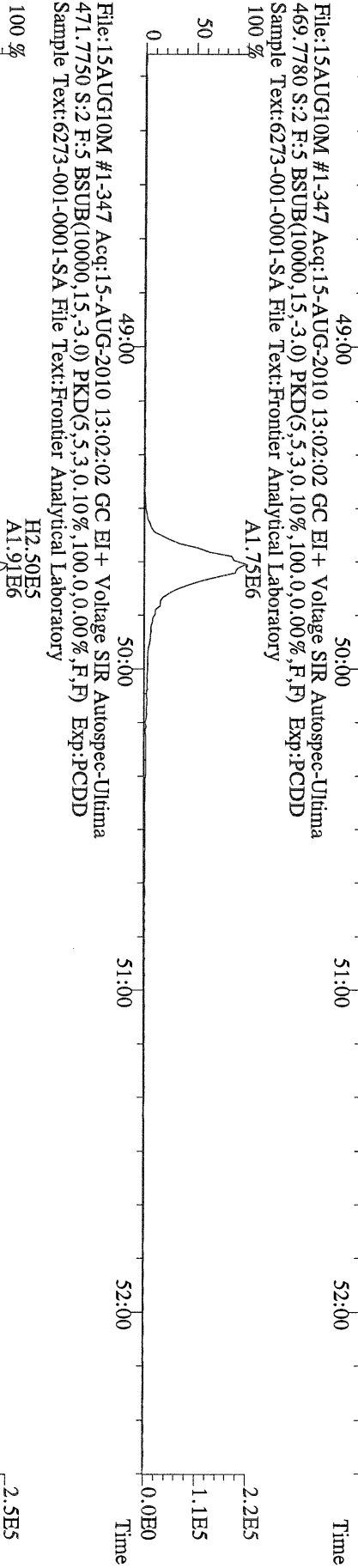




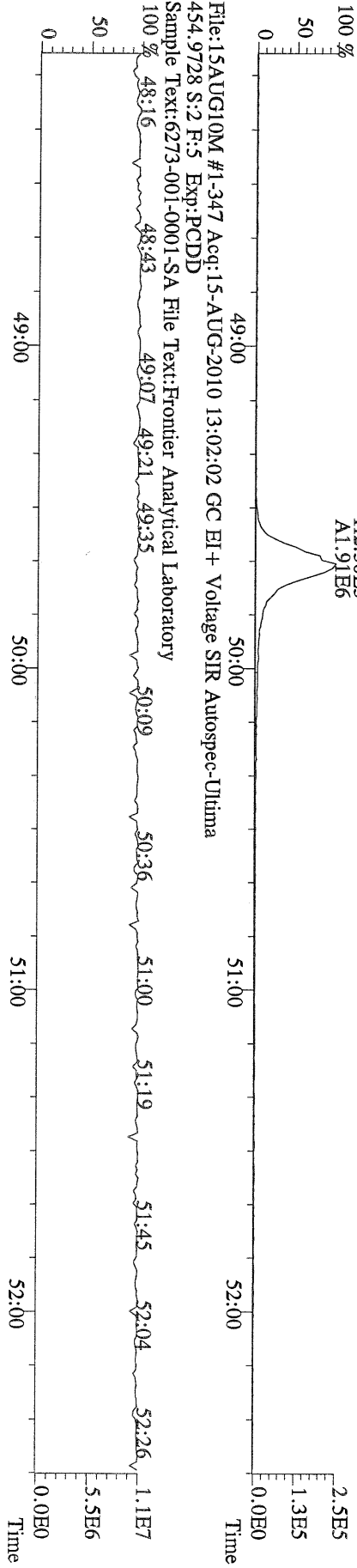
File:15AUG10M #1-347 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



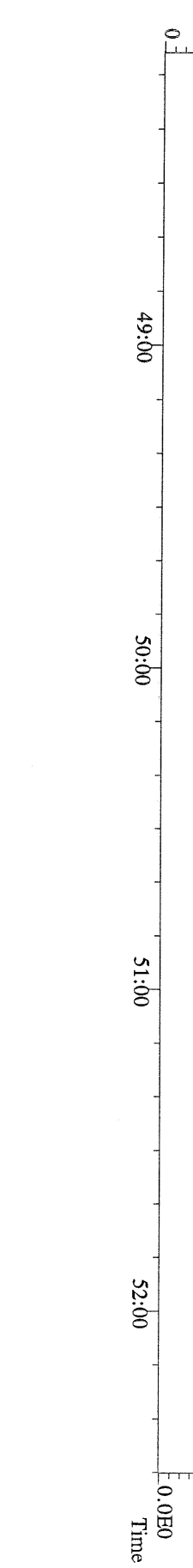
File:15AUG10M #1-347 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:15AUG10M #1-347 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:15AUG10M #1-347 Acq:15-AUG-2010 13:02:02 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:2 F:5 Exp.:PCDD  
Sample Text:6273-001-0001-SA File Text:Frontier Analytical Laboratory  
100 %



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.04	*		2.50	504	846	0.291	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*		2.50	826	540	0.422	
1,2,3,4,7,8-HxCDD	1.92e+04	1.29 y	38:35	1.30	0.539	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	4.42e+04	1.32 y	38:44	1.28	1.33	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDD	3.36e+04	1.19 y	39:12	1.25	1.01	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	8.63e+05	1.01 y	44:11	1.35	31.8		2.50	-	-	*	
OCDD	2.90e+06	0.95 y	49:43	1.25	249		2.50	-	-	*	
2,3,7,8-TCDF	3.95e+04	0.78 y	26:41	1.62	0.344	J	2.50	-	-	*	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*		2.50	1170	764	0.445	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	1170	764	0.456	
1,2,3,4,7,8-HxCDF	4.79e+04	1.14 y	37:12	0.93	0.945	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	3.53e+04	1.20 y	37:24	0.84	0.680	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	3.98e+04	1.23 y	38:20	0.90	0.887	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*		2.50	494	378	0.316	
1,2,3,4,6,7,8-HpCDF	1.06e+06	1.04 y	42:16	1.38	31.8		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.62	*		2.50	1160	1120	1.08	
OCDF	4.02e+05	0.93 y	50:06	0.74	28.2		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.36e+07	0.82 y	27:23	0.93	483					101	
13C-1,2,3,7,8-PeCDD	2.01e+07	1.75 y	33:13	0.81	471					98.4	
13C-1,2,3,4,7,8-HxCDD	1.32e+07	1.28 y	38:34	0.95	518					108	
13C-1,2,3,6,7,8-HxCDD	1.25e+07	1.21 y	38:44	1.00	466					97.4	
13C-1,2,3,4,6,7,8-HpCDD	9.60e+06	0.98 y	44:09	0.92	388					81.1	
13C-OCDD	8.92e+06	0.92 y	49:42	0.63	525					54.8	
13C-2,3,7,8-TCDF	3.39e+07	0.88 y	26:38	0.87	500					104	
13C-1,2,3,7,8-PeCDF	2.97e+07	1.73 y	31:28	0.81	471					98.4	
13C-2,3,4,7,8-PeCDF	2.81e+07	1.68 y	32:48	0.75	479					100	
13C-1,2,3,4,7,8-HxCDF	2.61e+07	0.52 y	37:11	1.74	558					117	
13C-1,2,3,6,7,8-HxCDF	2.97e+07	0.51 y	37:22	2.17	510					107	
13C-2,3,4,6,7,8-HxCDF	2.40e+07	0.51 y	38:19	1.82	491					103	
13C-1,2,3,7,8,9-HxCDF	2.00e+07	0.53 y	39:46	1.49	500					104	
13C-1,2,3,4,6,7,8-HpCDF	1.15e+07	0.44 y	42:16	1.10	391					81.8	
13C-1,2,3,4,7,8,9-HpCDF	9.27e+06	0.43 y	45:06	0.81	423					88.5	
13C-OCDF	1.84e+07	0.96 y	50:05	1.19	578					60.4	
37Cl-2,3,7,8-TCDD	9.15e+06		27:24	0.93	186					97.4	
13C-1,2,3,4-TCDD	2.53e+07	0.83 y	26:49	-	17.8						
13C-1,2,3,4-TCDF	3.74e+07	0.86 y	25:34	-	16.8						
13C-1,2,3,7,8,9-HxCDD	1.29e+07	1.23 y	39:11	-	14.3						
Total Tetra-Dioxins	9.38e+04		24:25	1.04	1.84		2.50	-	-	*	3
Total Penta-Dioxins	9.18e+04		30:15	1.05	2.09	J	2.50	-	-	*	3
Total Hexa-Dioxins	4.44e+05		36:07	1.27	13.0		2.50	-	-	*	6
Total Hepta-Dioxins	1.79e+06		42:48	1.35	65.7		2.50	-	-	*	2
Total Tetra-Furans	4.82e+05		23:49	1.62	4.20		2.50	-	-	*	10
1st Fn. Tot Penta-Furans	1.54e+05		28:27	0.93	2.73	J	2.50	-	-	*	PeCDF 1
Total Penta-Furans	1.24e+05		30:15	0.93	2.21	J	2.50	-	-	*	4.94 2
Total Hexa-Furans	8.25e+05		35:15	0.90	17.4		2.50	-	-	*	6
Total Hepta-Furans	1.77e+06		42:16	1.48	53.9		2.50	-	-	*	2

Analyst: 

Date: 8/11/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 10 File: 10AUG10N S: 4 I: 1 F: 1  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 1.84

Unnamed Concentration: 1.836

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:25	1.91e+04	2.41e+04	0.79 y	4.32e+04	0.845	
24:41	9.62e+03	1.44e+04	0.67 y	2.41e+04	0.471	
25:36	1.24e+04	1.41e+04	0.88 y	2.66e+04	0.520	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 10 File: 10AUG10N S: 4 I: 1 F: 2  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 2.09

Unnamed Concentration: 2.088

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	2.64e+04	1.74e+04	1.52 y	4.38e+04	0.996	
31:30	1.60e+04	1.00e+04	1.59 y	2.60e+04	0.592	
31:52	1.26e+04	9.36e+03	1.35 y	2.20e+04	0.500	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 10 File: 10AUG10N S: 4 I: 1 F: 3  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 13.0

Unnamed Concentration: 10.155

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:07	7.71e+04	5.65e+04	1.36 y	1.34e+05	3.91	
37:04	3.31e+04	2.46e+04	1.34 y	5.77e+04	1.69	
37:30	9.11e+04	6.42e+04	1.42 y	1.55e+05	4.55	
38:35	1.08e+04	8.42e+03	1.29 y	1.92e+04	0.539	1,2,3,4,7,8-HxCDD
38:44	2.52e+04	1.91e+04	1.32 y	4.42e+04	1.33	1,2,3,6,7,8-HxCDD
39:12	1.83e+04	1.54e+04	1.19 y	3.36e+04	1.01	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 10 File: 10AUG10N S: 4 I: 1 F: 4  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 65.7

Unnamed Concentration: 33.960

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:48	4.64e+05	4.59e+05	1.01 y	9.23e+05	34.0	
44:11	4.34e+05	4.30e+05	1.01 y	8.63e+05	31.8	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 10 File: 10AUG10N S: 4 I: 1 F: 1  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 4.20

Unnamed Concentration: 3.857

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:49	2.94e+04	4.30e+04	0.68 y	7.24e+04	0.631	
24:11	2.78e+04	4.00e+04	0.69 y	6.79e+04	0.592	
24:25	2.39e+04	2.98e+04	0.80 y	5.37e+04	0.468	
24:44	1.30e+04	1.84e+04	0.71 y	3.14e+04	0.274	
25:21	1.66e+04	2.34e+04	0.71 y	4.00e+04	0.349	
25:27	2.40e+04	2.92e+04	0.82 y	5.31e+04	0.463	
25:34	1.69e+04	1.92e+04	0.88 y	3.61e+04	0.315	
25:55	1.41e+04	2.09e+04	0.67 y	3.50e+04	0.306	
26:41	1.73e+04	2.22e+04	0.78 y	3.95e+04	0.344	2,3,7,8-TCDF
26:58	2.34e+04	2.92e+04	0.80 y	5.26e+04	0.458	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 10      File: 10AUG10N      S: 4 I: 1 F: 1  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 2.73      Unnamed Concentration: 2.735

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:27	9.11e+04	6.25e+04	1.46 y	1.54e+05	2.73	



Totals class: Total Penta-Furans

Entry #: 44

Run: 10

File: 10AUG10N

S: 4 I: 1 F: 2

Acquired: 10-AUG-10 19:22:45

Total Concentration: 2.21

Unnamed Concentration: 2.206

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	5.37e+04	3.73e+04	1.44 y	9.10e+04	1.62	
30:56	1.98e+04	1.31e+04	1.52 y	3.29e+04	0.586	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 10 File: 10AUG10N S: 4 I: 1 F: 3  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 17.4

Unnamed Concentration: 14.885

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:15	6.48e+04	5.04e+04	1.28 y	1.15e+05	2.44	
35:31	1.78e+05	1.49e+05	1.19 y	3.28e+05	6.95	
36:25	1.42e+05	1.17e+05	1.21 y	2.59e+05	5.49	
37:12	2.55e+04	2.24e+04	1.14 y	4.79e+04	0.945	1,2,3,4,7,8-HxCDF
37:24	1.93e+04	1.61e+04	1.20 y	3.53e+04	0.680	1,2,3,6,7,8-HxCDF
38:20	2.19e+04	1.79e+04	1.23 y	3.98e+04	0.887	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

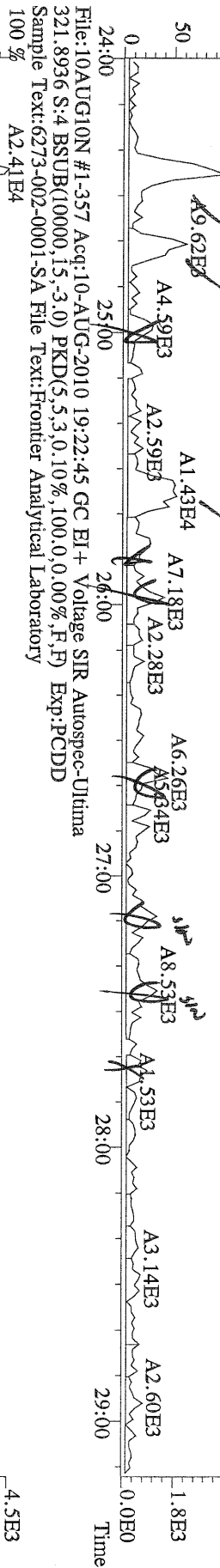
Run: 10 File: 10AUG10N S: 4 I: 1 F: 4  
Acquired: 10-AUG-10 19:22:45

Total Concentration: 53.9

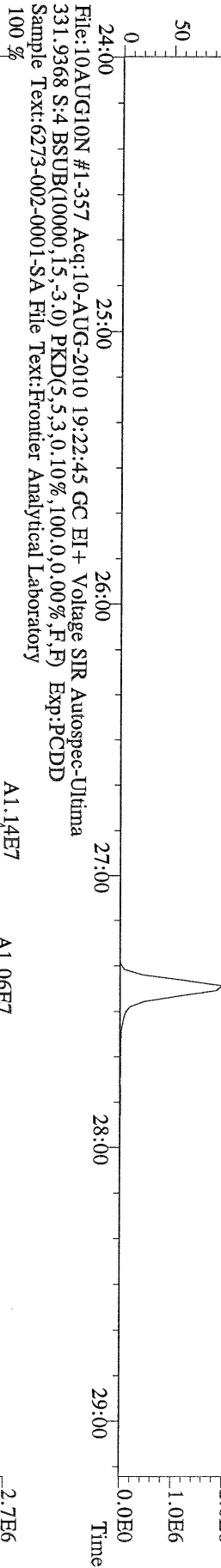
Unnamed Concentration: 22.110

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:16	5.40e+05	5.20e+05	1.04 y	1.06e+06	31.8	1,2,3,4,6,7,8-HpCDF
43:06	3.55e+05	3.59e+05	0.99 y	7.14e+05	22.1	

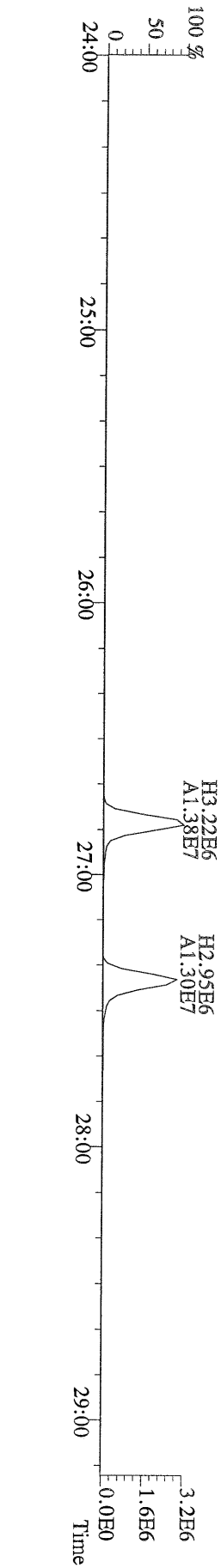
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



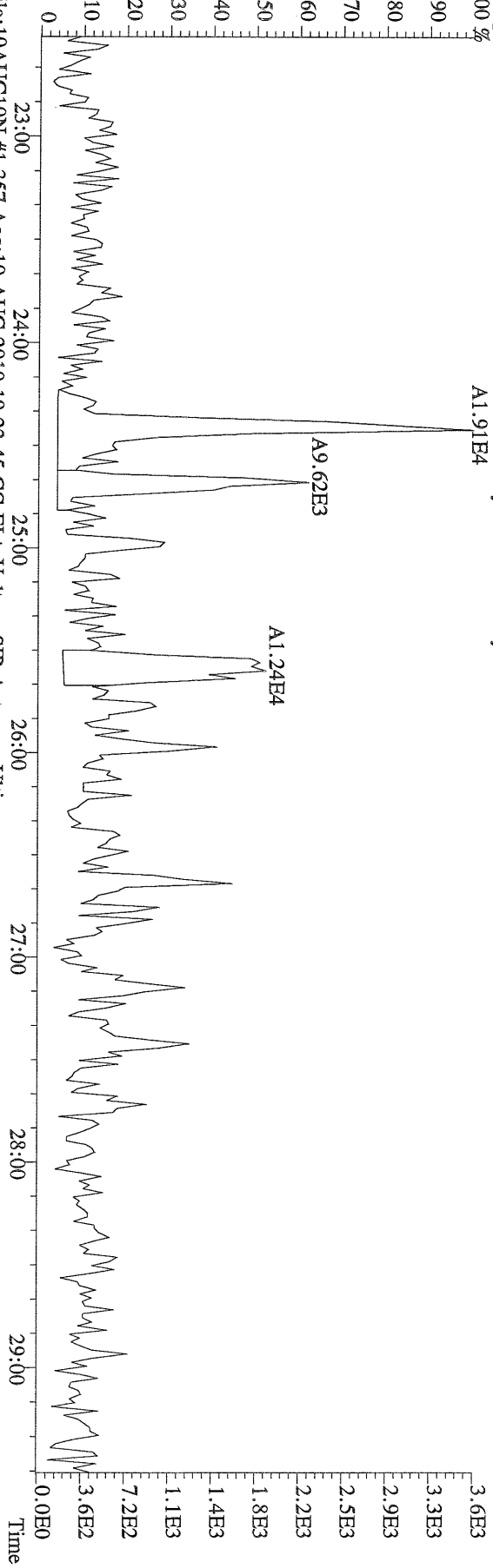
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



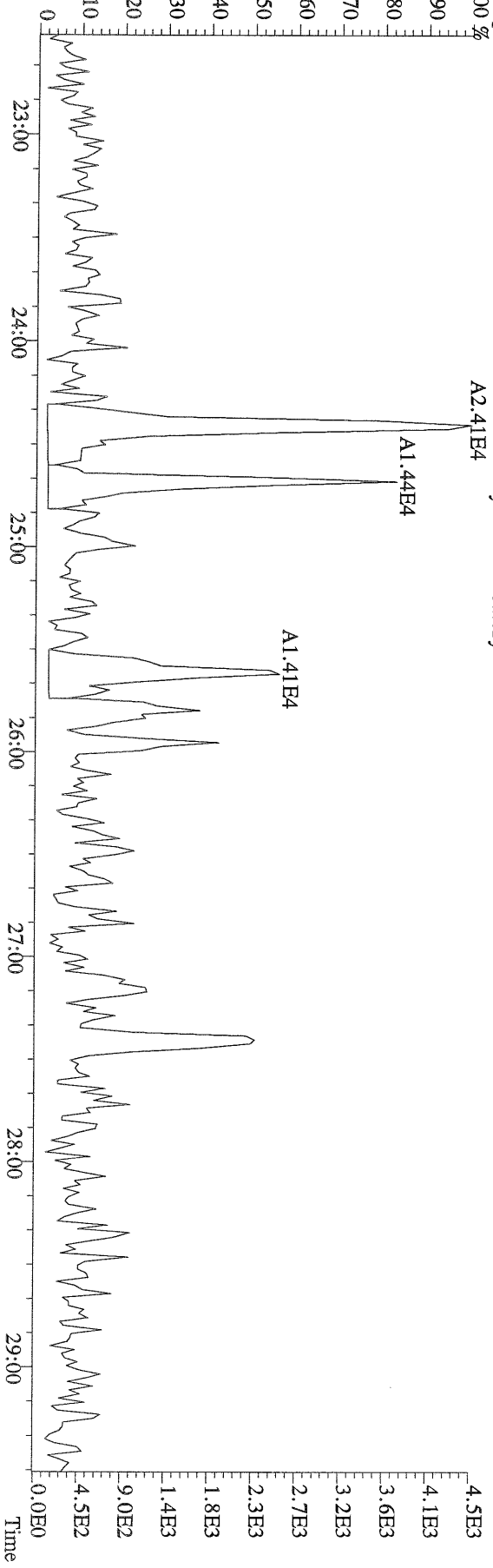
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



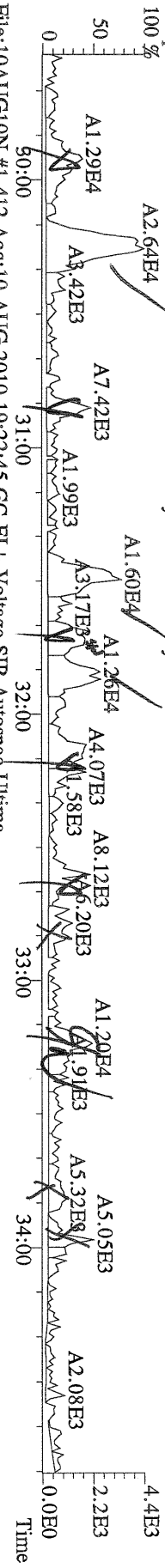
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
A1.91E4



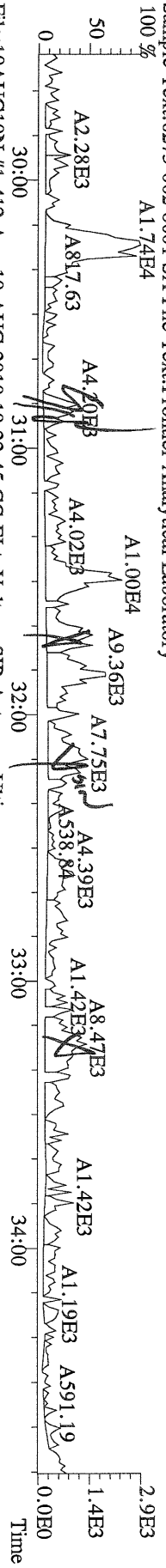
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321.8936 S:4 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
A2.41E4



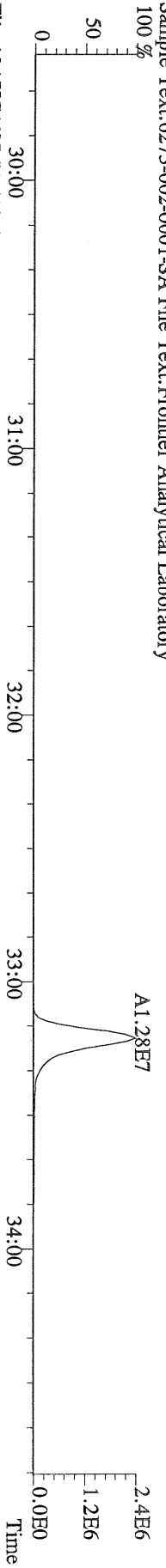
File:10AUG10N #1-412 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



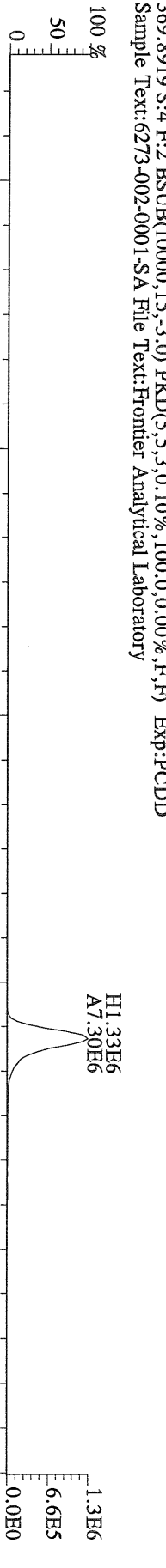
File:10AUG10N #1-412 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
357.8517 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



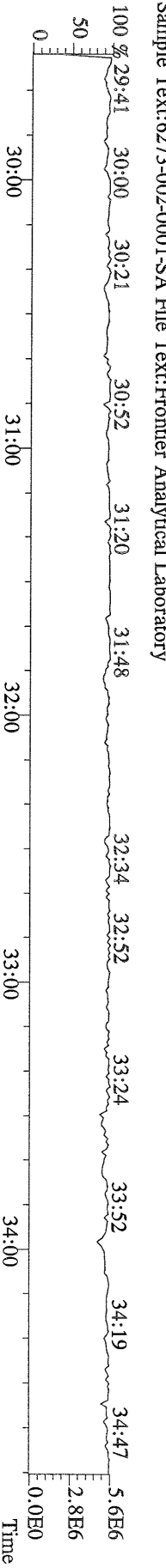
File:10AUG10N #1-412 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



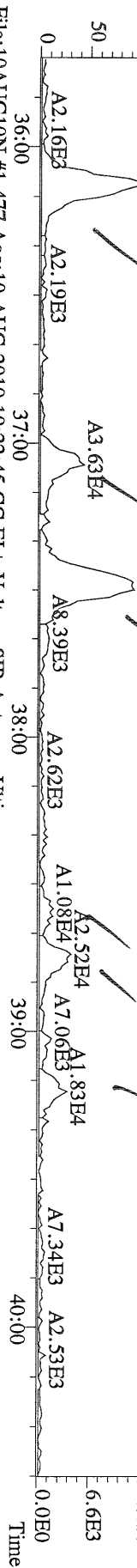
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369.8919 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



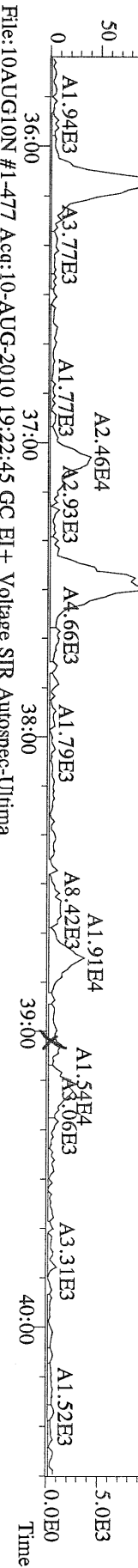
File:10AUG10N #1-412 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
366.9792 S:4 F:2 Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



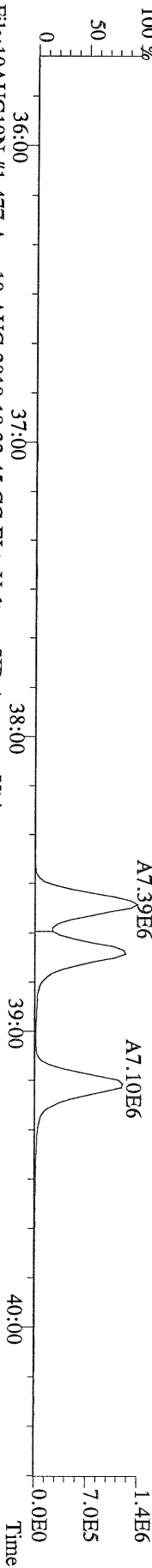
File:10AUG10N #1-477 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



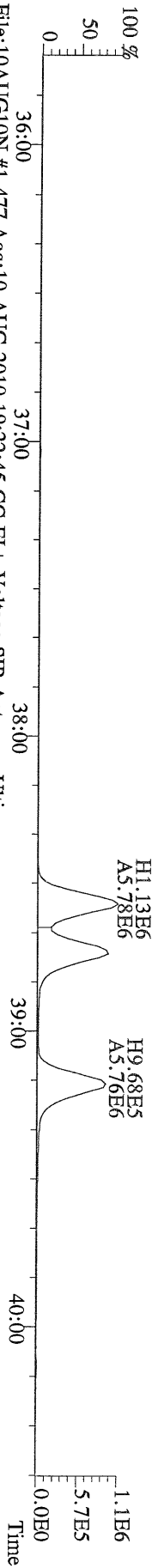
File:10AUG10N #1-477 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



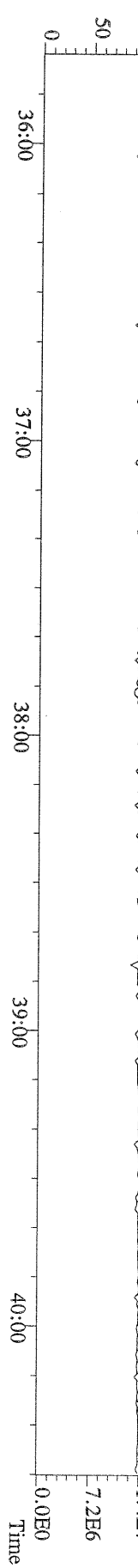
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 401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



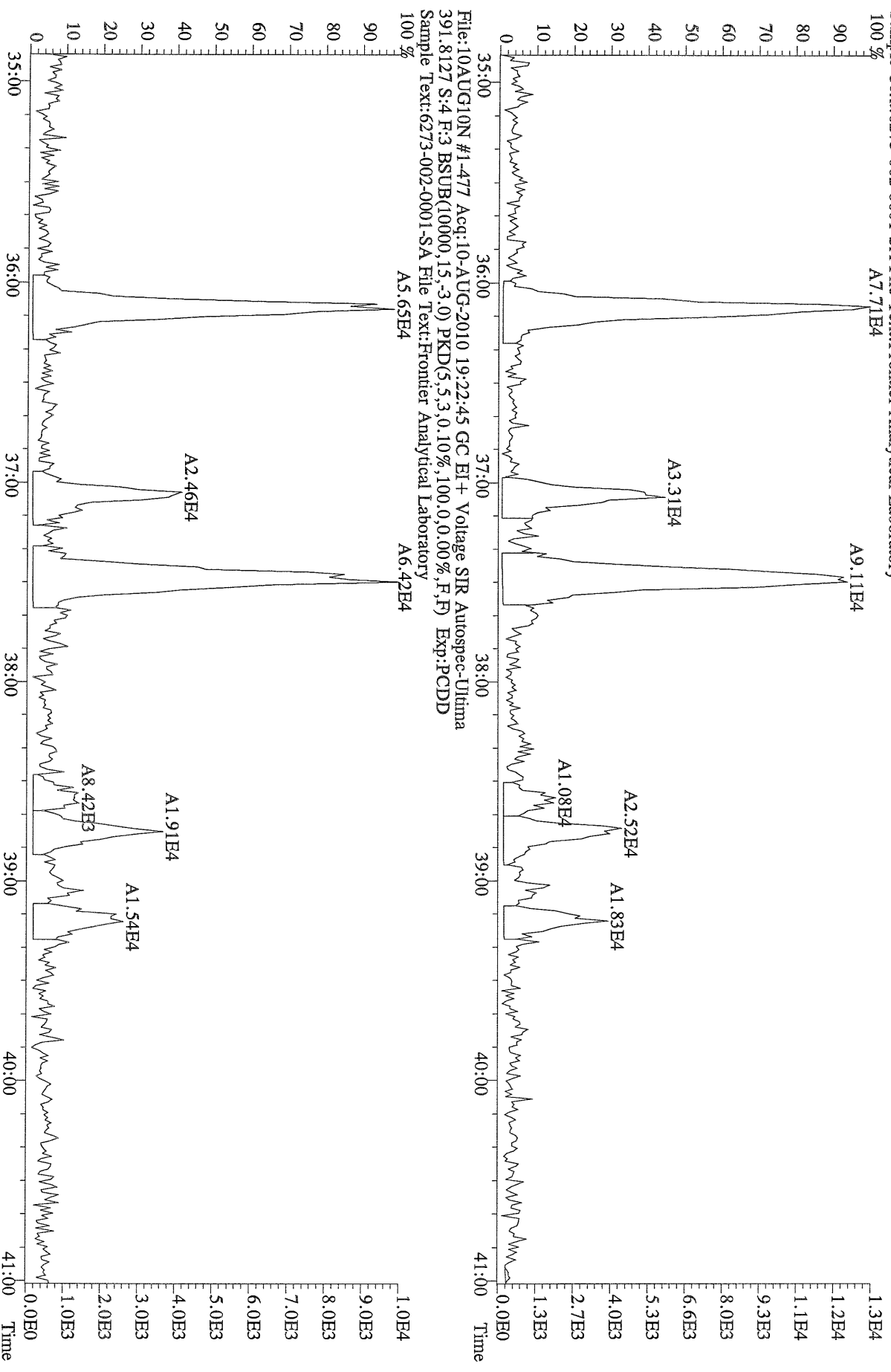
File:10AUG10N #1-477 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



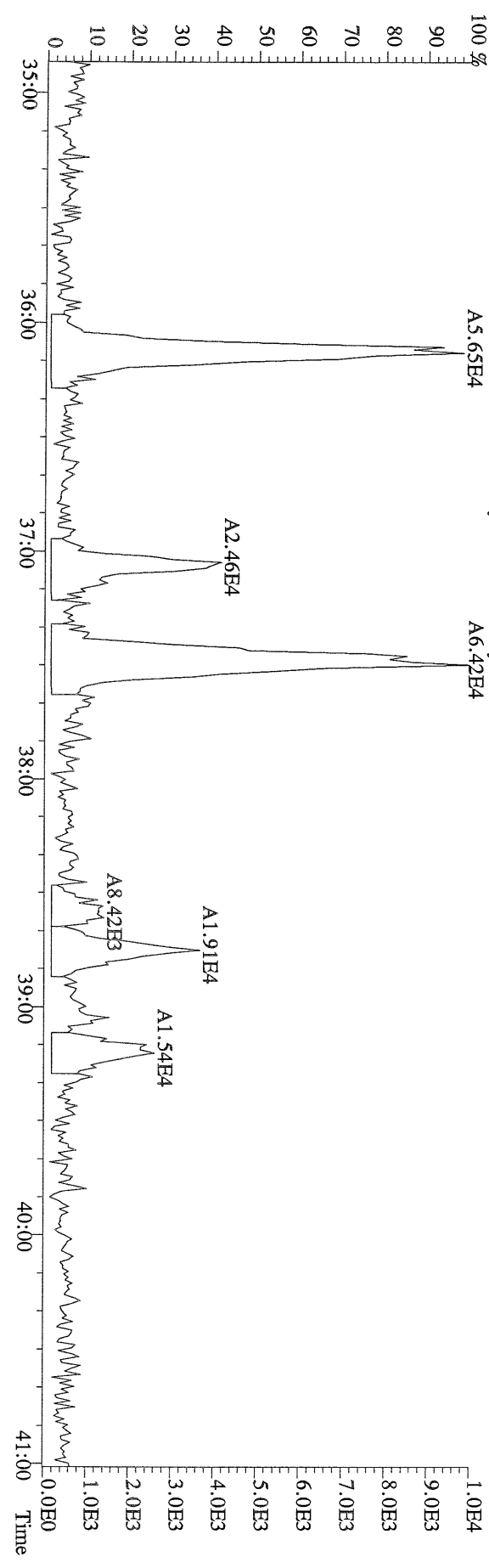
File:10AUG10N #1-477 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 380.9760 S:4 F:3 Exp.:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-477 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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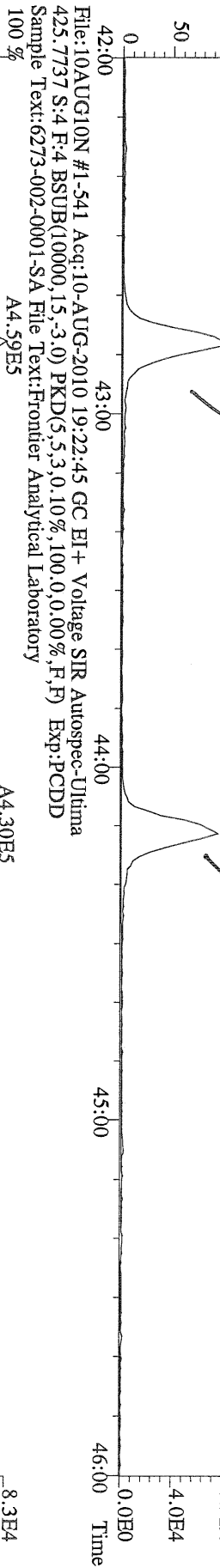


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391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory

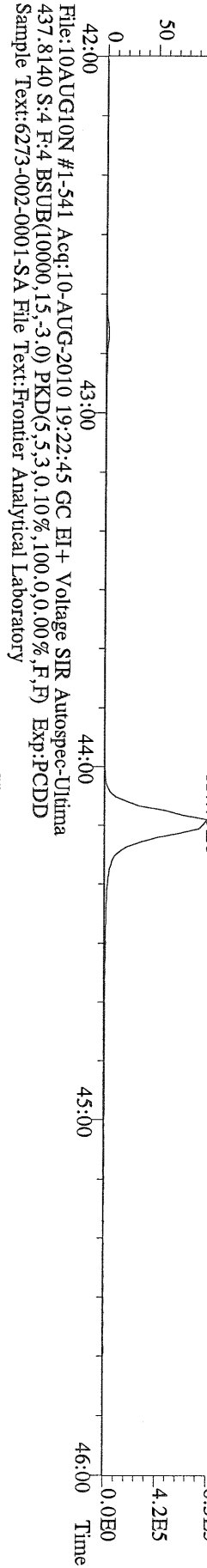




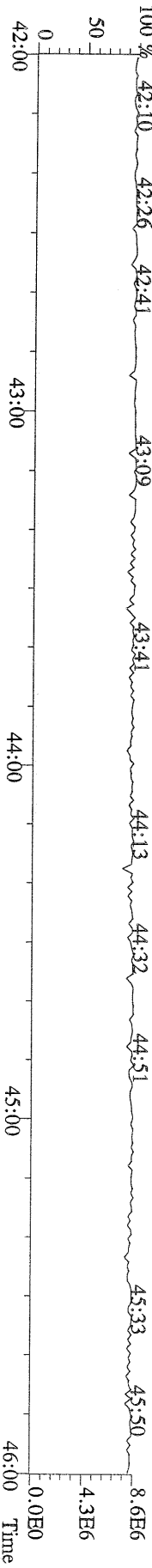
File:10AUG10N #1-541 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



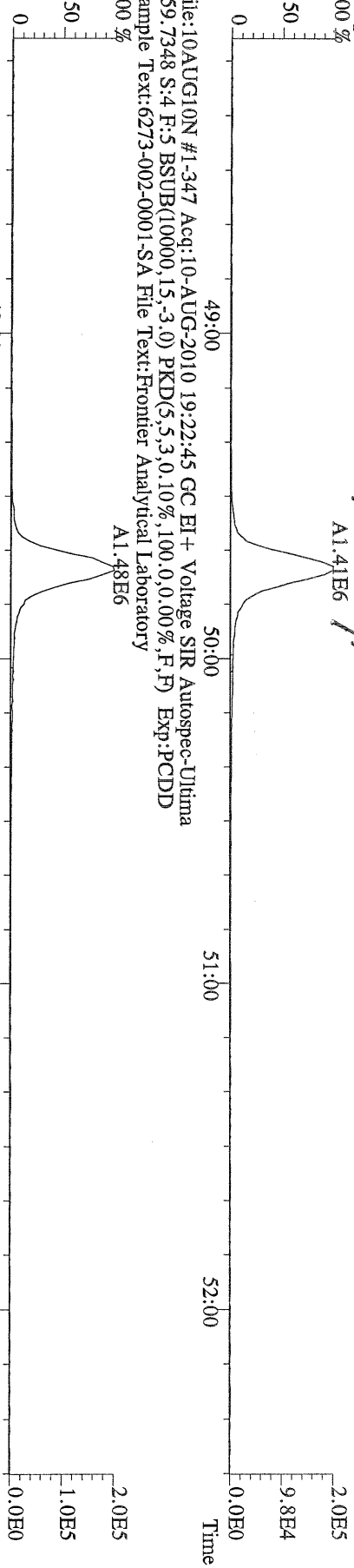
File:10AUG10N #1-541 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



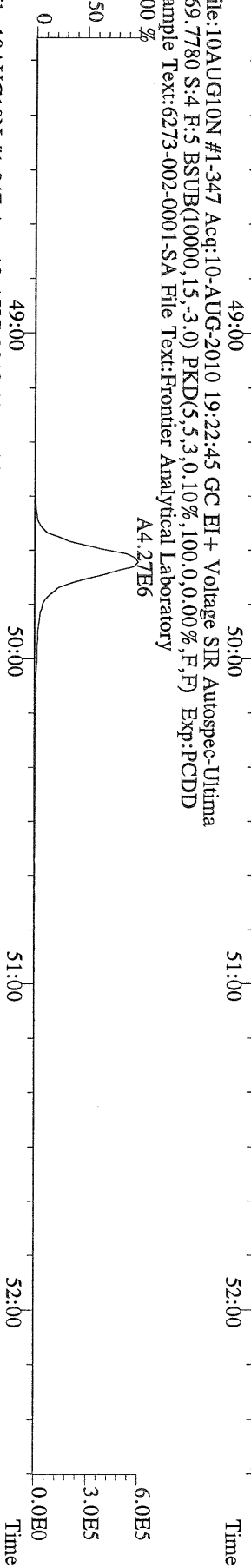
File:10AUG10N #1-541 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
430.9728 S:4 F:4 Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



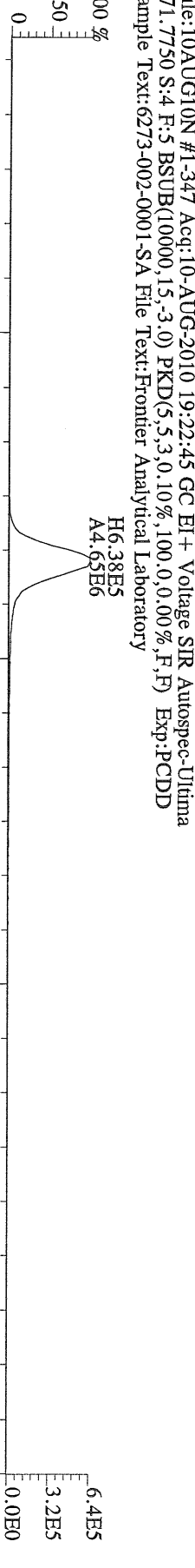
File:10AUG10N #1-347 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Ultima  
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%/F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Ultima  
459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%/F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory

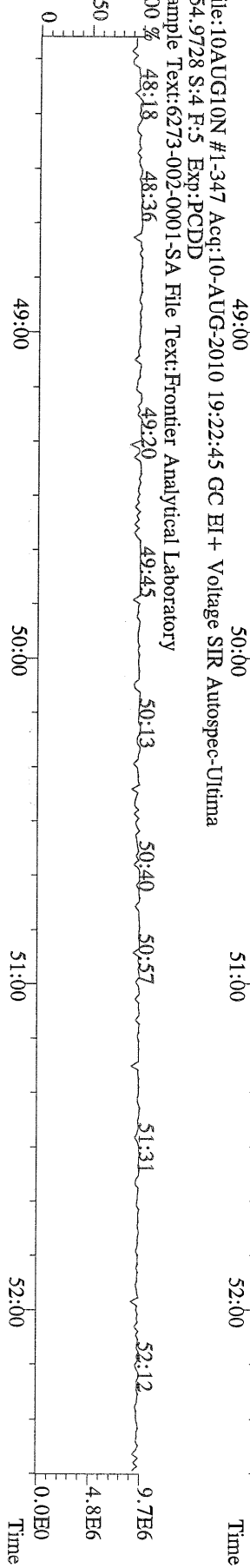


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469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%/F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



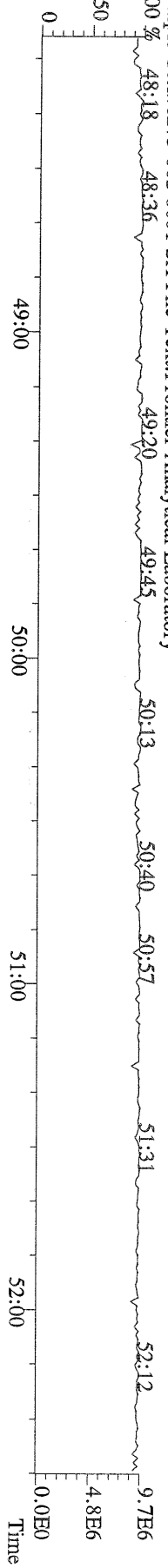
H6.38E5  
A4.65E6

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471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%/F,F) Exp:PCDD  
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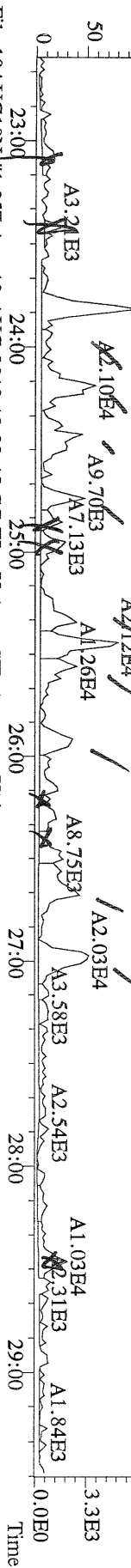


H6.38E5  
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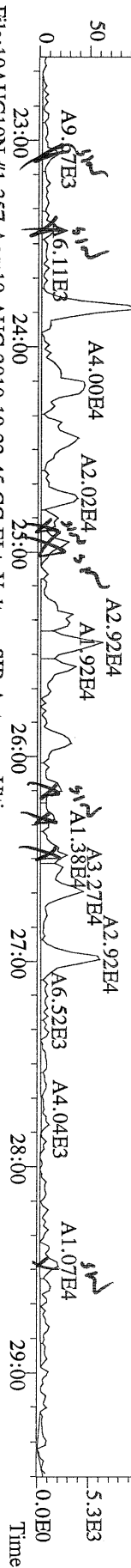
File:10AUG10N #1-347 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Ultima  
454.9728 S:4 F:5 Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



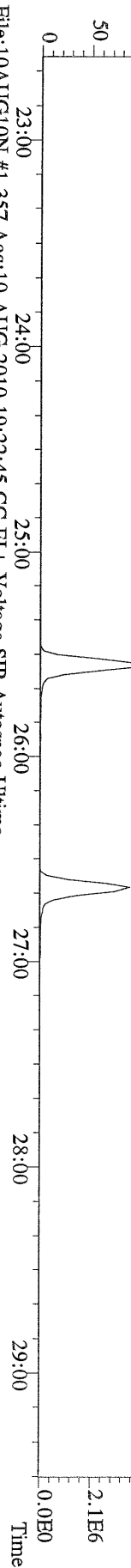
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



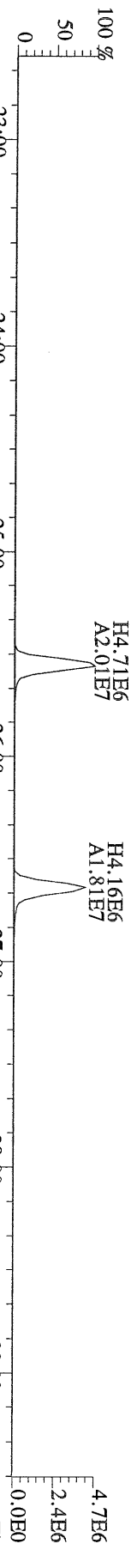
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



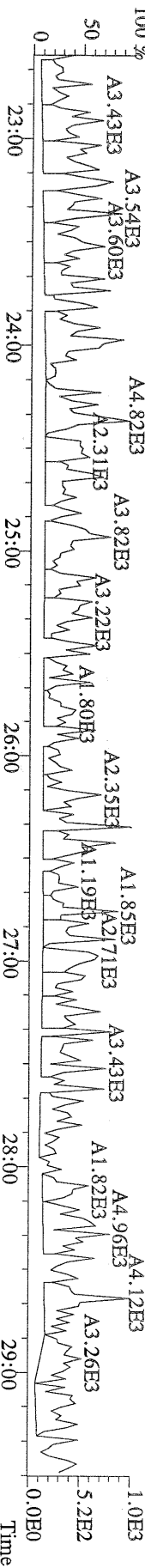
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



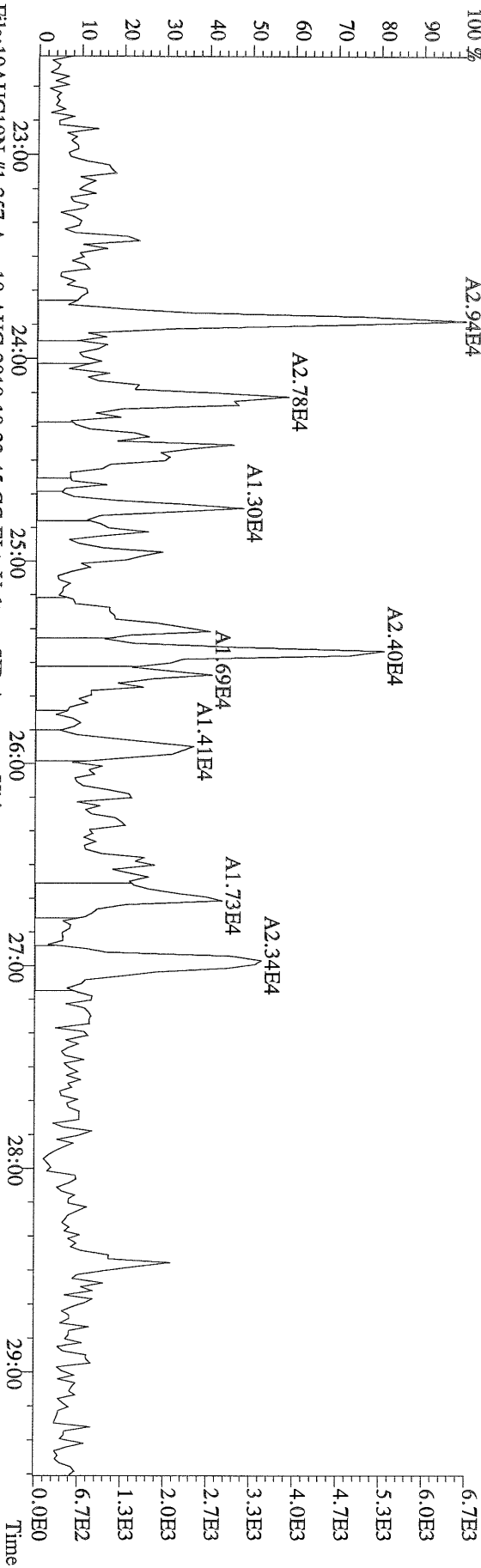
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 317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



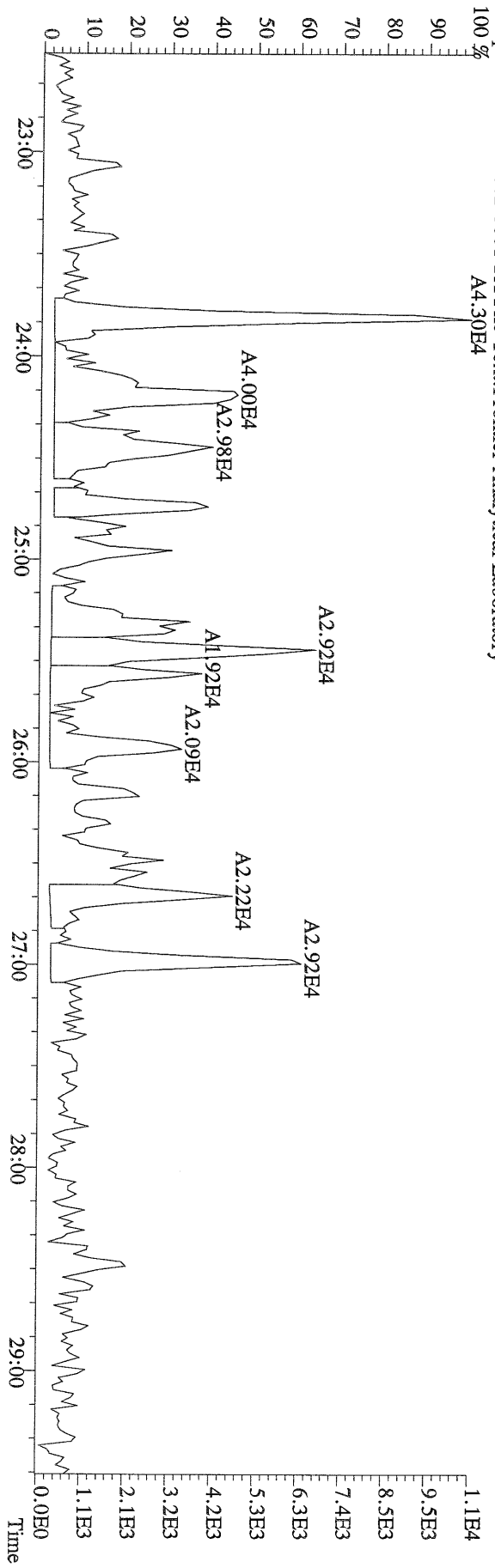
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



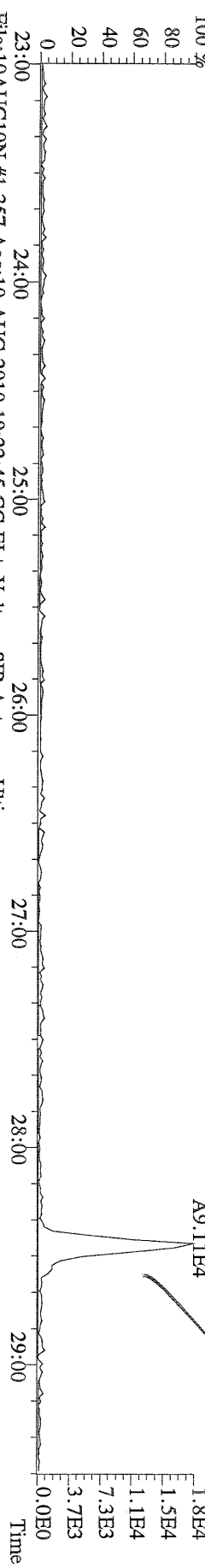
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



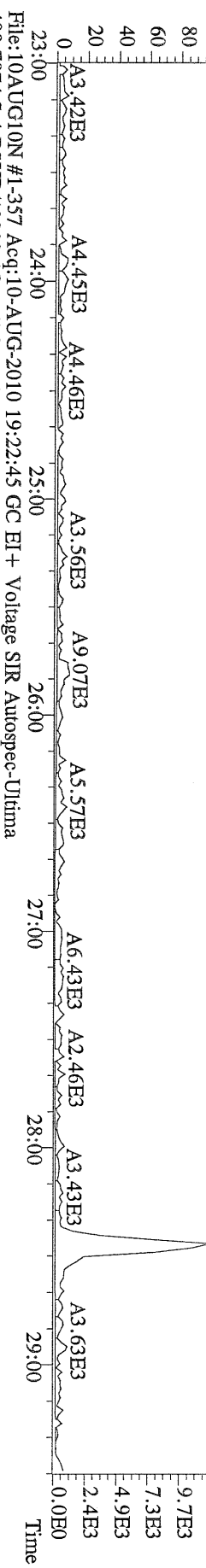
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 305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



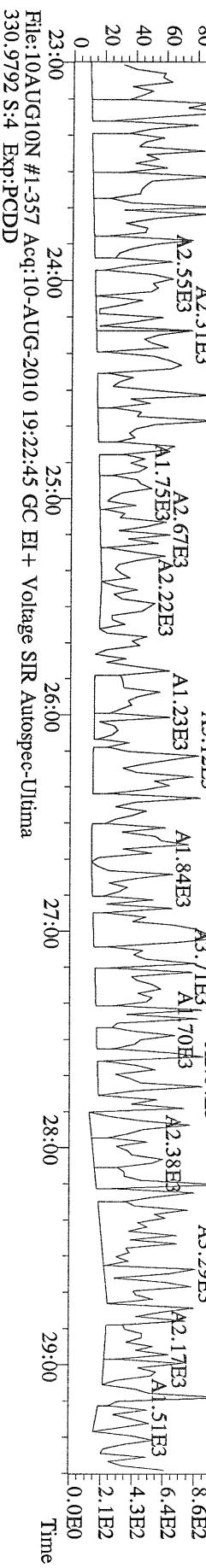
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 339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



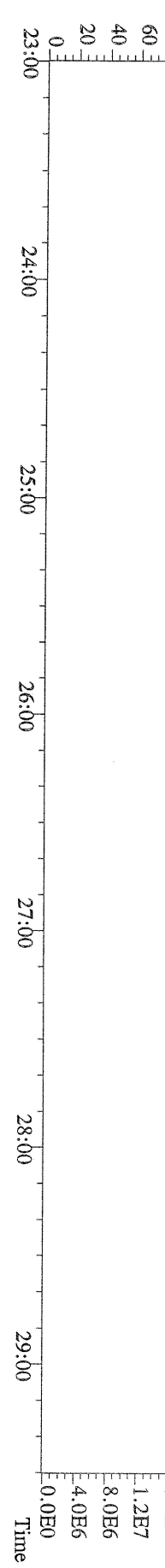
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
 341.8568 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



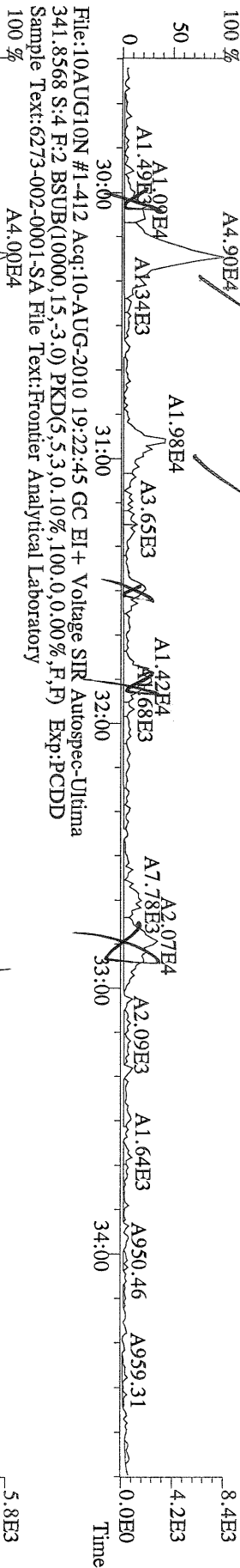
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
 409.7974 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



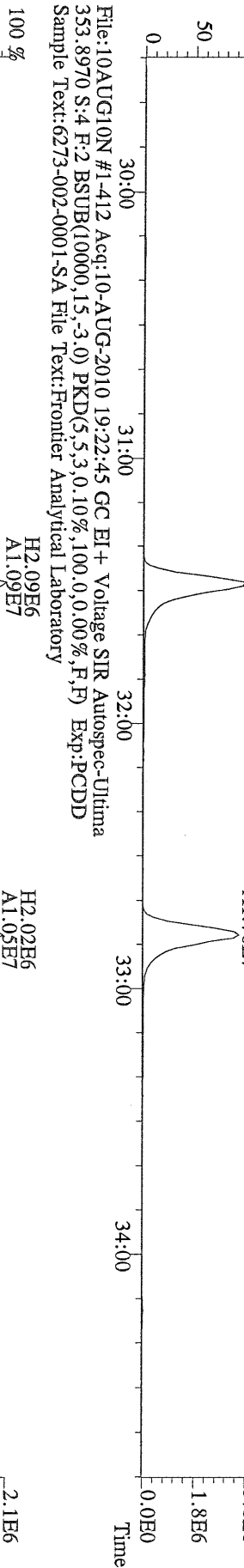
File:10AUG10N #1-357 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
 330.9792 S:4 Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



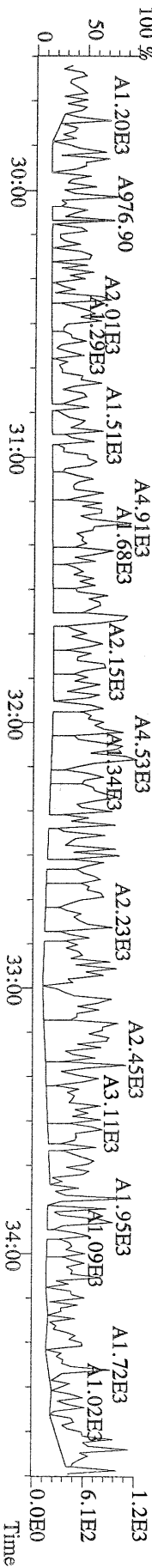
File:10AUG10N #1-412 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
 339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



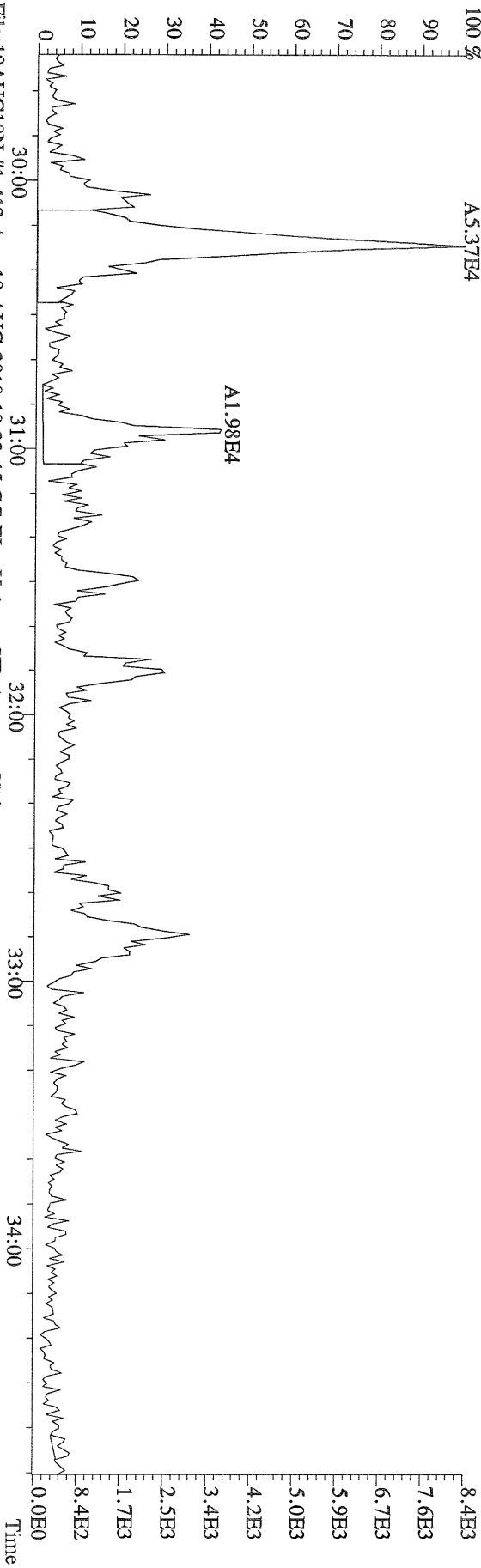
File:10AUG10N #1-412 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
 351.9000 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



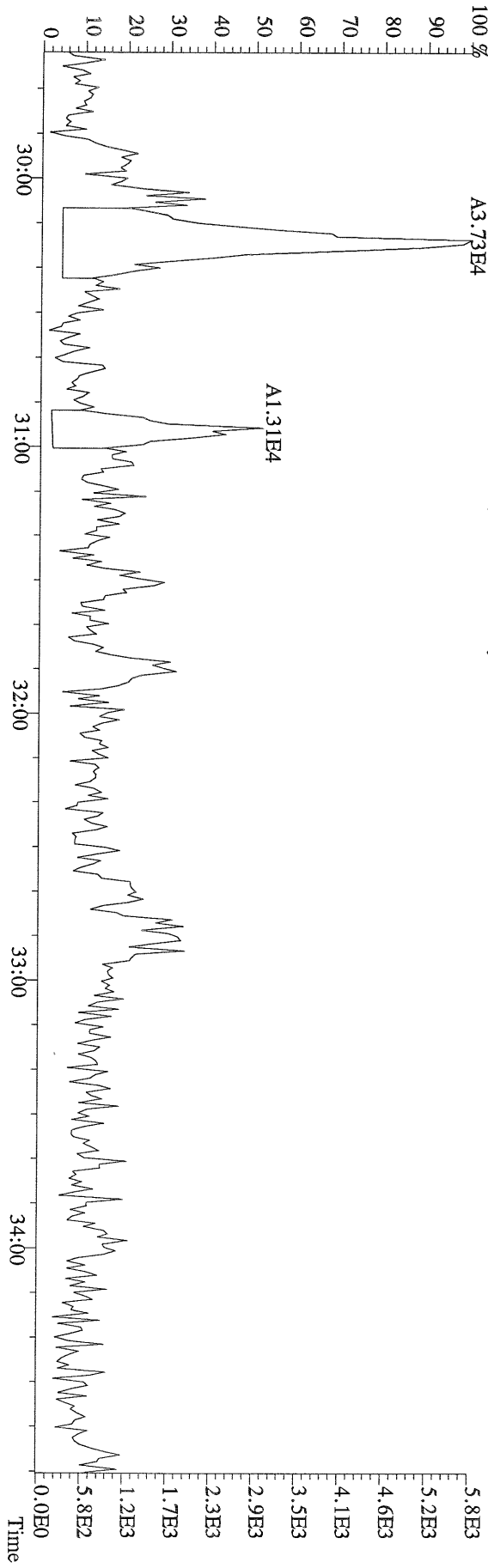
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 409.7974 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



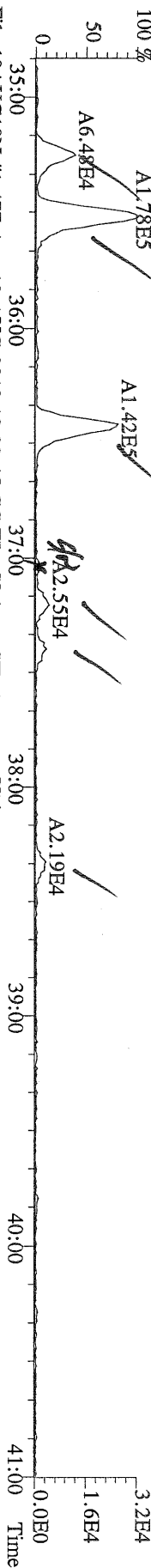
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339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-412 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Utima  
341.8568 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



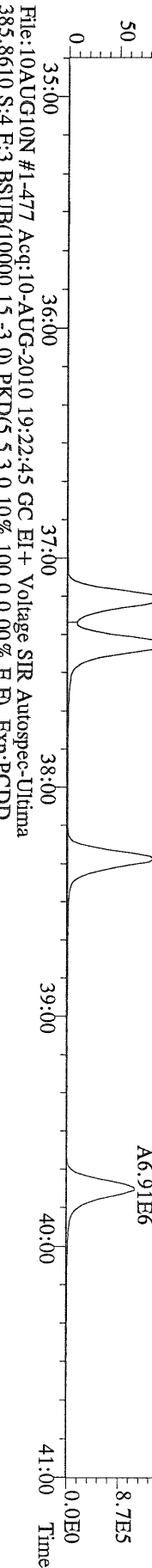
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373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



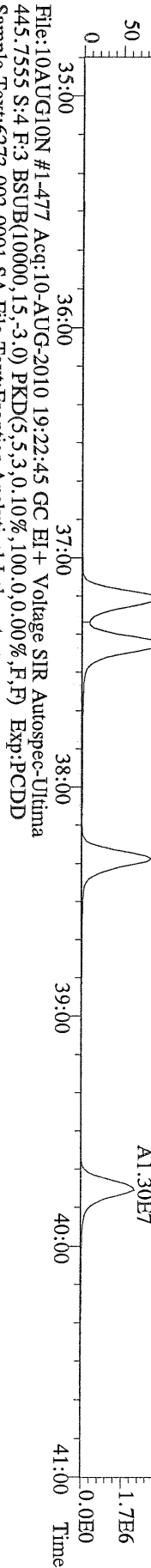
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375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



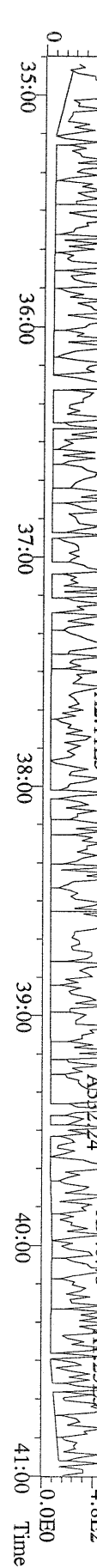
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383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-477 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
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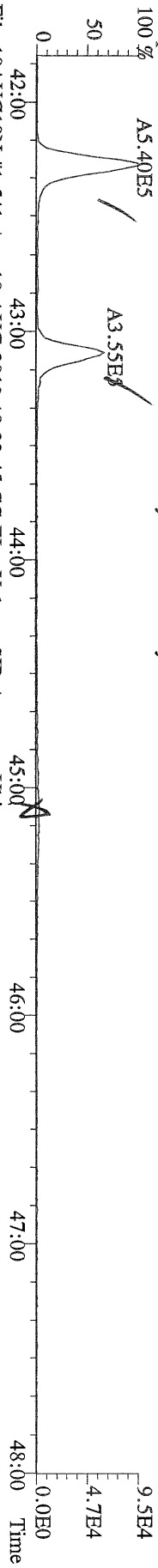


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445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
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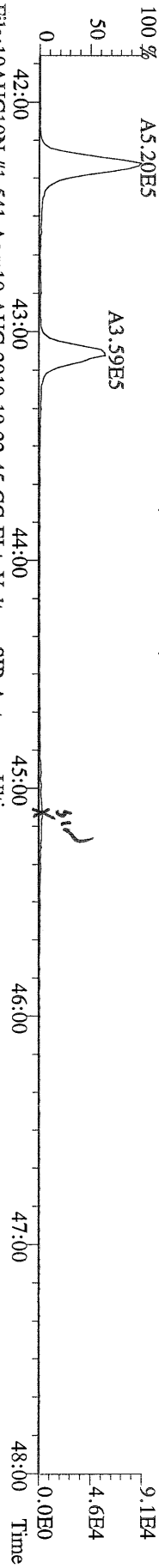




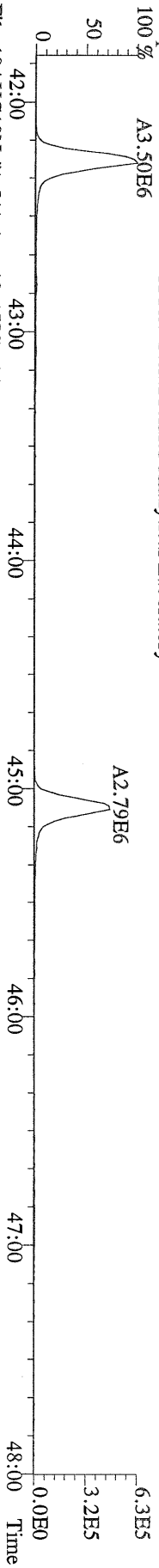
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407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



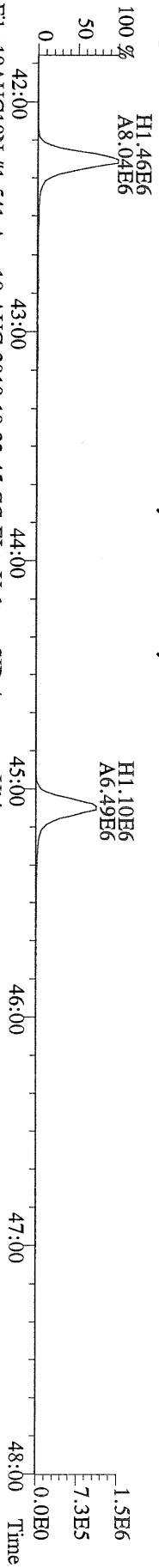
File:10AUG10N #1-541 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



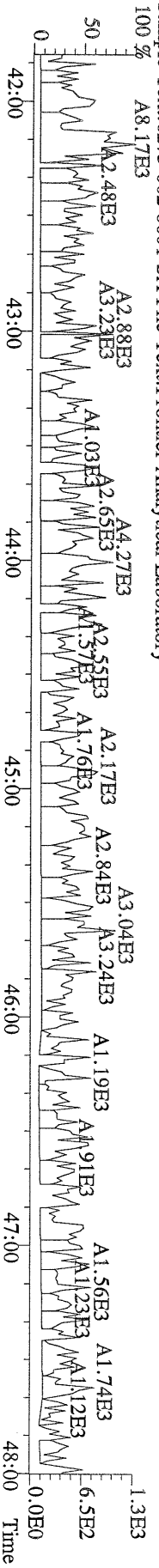
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417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



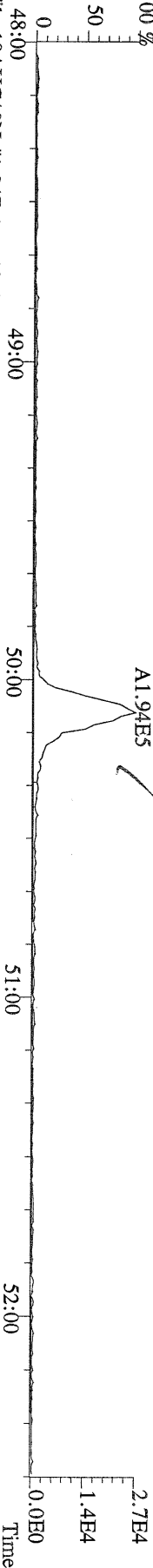
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419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



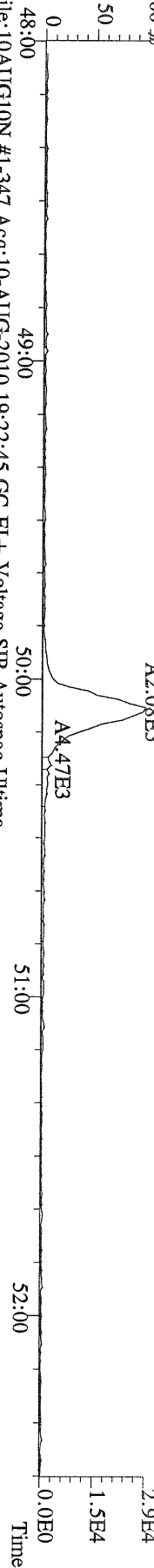
File:10AUG10N #1-541 Acq:10-AUG-2010 19:22:45 GC EI + Voltage SIR Autospec-Utima  
479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



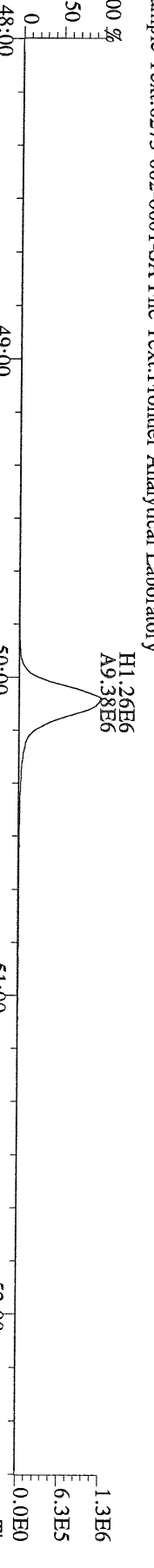
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443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



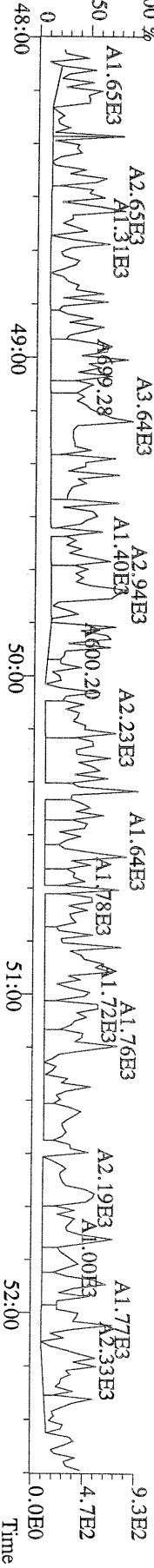
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453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:10-AUG-2010 19:22:45 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-002-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	2.13e+04	0.77 y	27:28	1.04	0.451	J	2.50	-	-	*	
1,2,3,7,8-PeCDD	4.79e+04	1.71 y	33:16	1.05	1.17	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDD	6.15e+04	1.32 y	38:38	1.30	1.56	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	2.86e+05	1.35 y	38:48	1.28	8.00		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	1.54e+05	1.35 y	39:15	1.25	4.23	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	1.03e+07	1.01 y	44:14	1.35	285		2.50	-	-	*	
OCDD	6.58e+07	0.96 y	49:50	1.25	3370		2.50	-	-	*	
2,3,7,8-TCDF	4.31e+04	0.81 y	26:41	1.62	0.413	J	2.50	-	-	*	
1,2,3,7,8-PeCDF	2.06e+04	1.40 y	31:31	0.92	0.380	J	2.50	-	-	*	
2,3,4,7,8-PeCDF	3.03e+04	1.32 y	32:52	0.94	0.562	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	9.46e+04	1.08 y	37:14	0.93	1.89	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	6.79e+04	1.25 y	37:27	0.84	1.30	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	8.71e+04	1.19 y	38:22	0.90	1.79	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*		2.50	760	783	0.466	
1,2,3,4,6,7,8-HpCDF	3.22e+06	1.08 y	42:20	1.38	82.0		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	8.83e+04	0.90 y	45:08	1.62	2.19	J	2.50	-	-	*	
OCDF	6.40e+06	0.87 y	50:12	0.74	298		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.17e+07	0.83 y	27:25	0.93	481					101	
13C-1,2,3,7,8-PeCDD	1.87e+07	1.78 y	33:14	0.81	475					99.4	
13C-1,2,3,4,7,8-HxCDD	1.45e+07	1.25 y	38:37	0.95	502					105	
13C-1,2,3,6,7,8-HxCDD	1.33e+07	1.23 y	38:46	1.00	440					92.3	
13C-1,2,3,4,6,7,8-HpCDD	1.27e+07	0.99 y	44:13	0.92	453					94.9	
13C-OCDD	1.49e+07	0.92 y	49:49	0.63	775					81.2	
13C-2,3,7,8-TCDF	3.08e+07	0.86 y	26:41	0.87	496					104	
13C-1,2,3,7,8-PeCDF	2.82e+07	1.71 y	31:30	0.81	490					103	
13C-2,3,4,7,8-PeCDF	2.72e+07	1.71 y	32:50	0.75	507					106	
13C-1,2,3,4,7,8-HxCDF	2.57e+07	0.52 y	37:13	1.74	485					102	
13C-1,2,3,6,7,8-HxCDF	2.98e+07	0.53 y	37:25	2.17	452					94.6	
13C-2,3,4,6,7,8-HxCDF	2.59e+07	0.52 y	38:22	1.82	469					98.2	
13C-1,2,3,7,8,9-HxCDF	2.32e+07	0.53 y	39:48	1.49	513					108	
13C-1,2,3,4,6,7,8-HpCDF	1.36e+07	0.44 y	42:19	1.10	406					85.2	
13C-1,2,3,4,7,8,9-HpCDF	1.18e+07	0.44 y	45:08	0.81	477					99.9	
13C-OCDF	2.77e+07	0.98 y	50:11	1.19	768					80.4	
37Cl-2,3,7,8-TCDD	8.31e+06		27:26	0.93	183					95.9	
13C-1,2,3,4-TCDD	2.33e+07	0.82 y	26:50	-	16.4						
13C-1,2,3,4-TCDF	3.41e+07	0.85 y	25:35	-	15.3						
13C-1,2,3,7,8,9-HxCDD	1.45e+07	1.20 y	39:13	-	16.1						
Total Tetra-Dioxins	2.67e+05		24:26	1.04	5.65		2.50	-	-	*	10
Total Penta-Dioxins	4.86e+05		30:16	1.05	11.9		2.50	-	-	*	10
Total Hexa-Dioxins	2.12e+06		36:10	1.27	57.3		2.50	-	-	*	8
Total Hepta-Dioxins	2.03e+07		42:51	1.35	565		2.50	-	-	*	2
Total Tetra-Furans	6.85e+05		23:26	1.62	6.56		2.50	-	-	*	15
1st Fn. Tot Penta-Furans	3.01e+05		28:29	0.93	5.57		2.50	-	-	*	PeCDF 1
Total Penta-Furans	3.72e+05		30:07	0.93	6.88		2.50	-	-	*	12.7/ 8
Total Hexa-Furans	2.47e+06		35:17	0.90	49.8		2.50	-	-	*	7
Total Hepta-Furans	9.55e+06		42:20	1.48	242		2.50	-	-	*	4

Analyst: 

Date: 8/11/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 17

File: 10AUG10N

S: 11 I: 1 F: 1

Acquired: 11-AUG-10 01:50:18

Total Concentration: 5.65

Unnamed Concentration: 5.198

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:26	2.39e+04	2.95e+04	0.81 y	5.34e+04	1.13	
24:43	1.30e+04	1.79e+04	0.73 y	3.08e+04	0.654	
25:01	8.65e+03	1.02e+04	0.85 y	1.88e+04	0.399	
25:38	9.70e+03	1.15e+04	0.85 y	2.12e+04	0.448	
25:49	1.26e+04	1.46e+04	0.86 y	2.72e+04	0.577	
25:59	1.26e+04	1.47e+04	0.85 y	2.73e+04	0.579	
26:31	9.41e+03	1.06e+04	0.88 y	2.00e+04	0.425	
26:50	1.21e+04	1.56e+04	0.78 y	2.76e+04	0.586	
27:28	9.24e+03	1.20e+04	0.77 y	2.13e+04	0.451	2,3,7,8-TCDD
27:44	8.32e+03	1.05e+04	0.80 y	1.88e+04	0.398	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 17

File: 10AUG10N

S: 11 I: 1 F: 2

Acquired: 11-AUG-10 01:50:18

Total Concentration: 11.9

Unnamed Concentration: 10.686

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:16	5.57e+04	3.72e+04	1.50 y	9.29e+04	2.27	
30:53	2.57e+04	1.63e+04	1.57 y	4.20e+04	1.02	
31:29	3.54e+04	2.06e+04	1.72 y	5.60e+04	1.37	
31:43	3.17e+04	1.99e+04	1.59 y	5.15e+04	1.26	
31:53	3.06e+04	1.94e+04	1.58 y	5.00e+04	1.22	
32:09	4.27e+04	2.68e+04	1.59 y	6.96e+04	1.70	
32:37	1.47e+04	9.10e+03	1.62 y	2.38e+04	0.582	
33:16	3.02e+04	1.77e+04	1.71 y	4.79e+04	1.17	1,2,3,7,8-PeCDD
33:23	1.13e+04	6.66e+03	1.69 y	1.79e+04	0.438	
33:50	2.05e+04	1.38e+04	1.48 y	3.43e+04	0.837	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 17 File: 10AUG10N S: 11 I: 1 F: 3  
Acquired: 11-AUG-10 01:50:18

Total Concentration: 57.3

Unnamed Concentration: 43.482

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:10	2.98e+05	2.10e+05	1.42 y	5.08e+05	13.7	
37:07	8.50e+04	5.99e+04	1.42 y	1.45e+05	3.90	
37:31	5.06e+05	3.55e+05	1.43 y	8.61e+05	23.2	
37:43	3.19e+04	2.42e+04	1.32 y	5.61e+04	1.51	
38:38	3.50e+04	2.65e+04	1.32 y	6.15e+04	1.56	1,2,3,4,7,8-HxCDD
38:48	1.64e+05	1.21e+05	1.35 y	2.86e+05	8.00	1,2,3,6,7,8-HxCDD
39:05	2.58e+04	1.85e+04	1.40 y	4.43e+04	1.19	
39:15	8.85e+04	6.55e+04	1.35 y	1.54e+05	4.23	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 17

File: 10AUG10N

S: 11 I: 1 F: 4

Acquired: 11-AUG-10 01:50:18

Total Concentration: 565

Unnamed Concentration: 279.472

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:51	5.04e+06	5.02e+06	1.00 y	1.01e+07	279	
44:14	5.15e+06	5.12e+06	1.01 y	1.03e+07	285	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 17 File: 10AUG10N S: 11 I: 1 F: 1  
Acquired: 11-AUG-10 01:50:18

Total Concentration: 6.56

Unnamed Concentration: 6.147

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:26	9.56e+03	1.30e+04	0.73 y	2.26e+04	0.216	
23:50	3.98e+04	6.00e+04	0.66 y	9.98e+04	0.956	
24:12	2.87e+04	3.79e+04	0.76 y	6.67e+04	0.639	
24:29	2.46e+04	3.59e+04	0.69 y	6.04e+04	0.579	
24:45	3.01e+04	4.36e+04	0.69 y	7.38e+04	0.707	
24:59	7.98e+03	1.15e+04	0.69 y	1.95e+04	0.187	
25:22	1.35e+04	2.00e+04	0.67 y	3.35e+04	0.321	
25:29	2.54e+04	3.78e+04	0.67 y	6.32e+04	0.605	
25:36	1.50e+04	2.02e+04	0.74 y	3.52e+04	0.337	
25:57	1.55e+04	2.03e+04	0.76 y	3.59e+04	0.344	
26:10	8.71e+03	1.30e+04	0.67 y	2.17e+04	0.208	
26:30	1.43e+04	2.01e+04	0.71 y	3.44e+04	0.330	
26:41	1.93e+04	2.38e+04	0.81 y	4.31e+04	0.413	2,3,7,8-TCDF
26:59	2.14e+04	2.89e+04	0.74 y	5.02e+04	0.481	
28:29	1.09e+04	1.39e+04	0.78 y	2.48e+04	0.237	



Totals class: 1st Fn. Tot Penta-Furans Entry #: 43

Run: 17 File: 10AUG10N S: 11 I: 1 F: 1  
Acquired: 11-AUG-10 01:50:18

Total Concentration: 5.57 Unnamed Concentration: 5.568

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:29	1.83e+05	1.18e+05	1.56 y	3.01e+05	5.57	

Totals class: Total Penta-Furans

Entry #: 44

Run: 17

File: 10AUG10N

S: 11 I: 1 F: 2

Acquired: 11-AUG-10 01:50:18

Total Concentration: 6.88

Unnamed Concentration: 5.943

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:07	1.53e+04	1.03e+04	1.49 y	2.56e+04	0.474	
30:16	8.88e+04	6.11e+04	1.45 y	1.50e+05	2.77	
30:58	3.87e+04	2.62e+04	1.48 y	6.49e+04	1.20	
31:31	1.20e+04	8.58e+03	1.40 y	2.06e+04	0.380	1,2,3,7,8-PeCDF
31:52	1.93e+04	1.29e+04	1.50 y	3.22e+04	0.596	
32:42	9.75e+03	6.53e+03	1.49 y	1.63e+04	0.301	
32:52	1.72e+04	1.30e+04	1.32 y	3.03e+04	0.562	2,3,4,7,8-PeCDF
32:53	1.84e+04	1.39e+04	1.33 y	3.22e+04	0.596	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 17

File: 10AUG10N

S: 11 I: 1 F: 3

Acquired: 11-AUG-10 01:50:18

Total Concentration: 49.8

Unnamed Concentration: 44.809

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:17	1.19e+05	1.01e+05	1.18 y	2.20e+05	4.44	
35:34	4.22e+05	3.50e+05	1.20 y	7.72e+05	15.6	
36:08	1.45e+04	1.35e+04	1.07 y	2.80e+04	0.565	
36:28	6.66e+05	5.36e+05	1.24 y	1.20e+06	24.2	
37:14	4.91e+04	4.54e+04	1.08 y	9.46e+04	1.89	1,2,3,4,7,8-HxCDF
37:27	3.77e+04	3.02e+04	1.25 y	6.79e+04	1.30	1,2,3,6,7,8-HxCDF
38:22	4.74e+04	3.97e+04	1.19 y	8.71e+04	1.79	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 17

File: 10AUG10N

S: 11 I: 1 F: 4

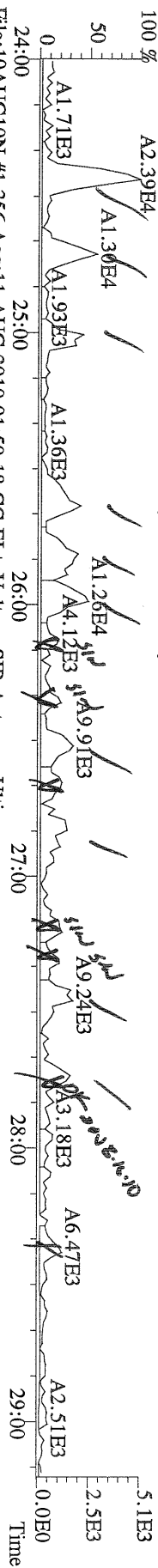
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Total Concentration: 242

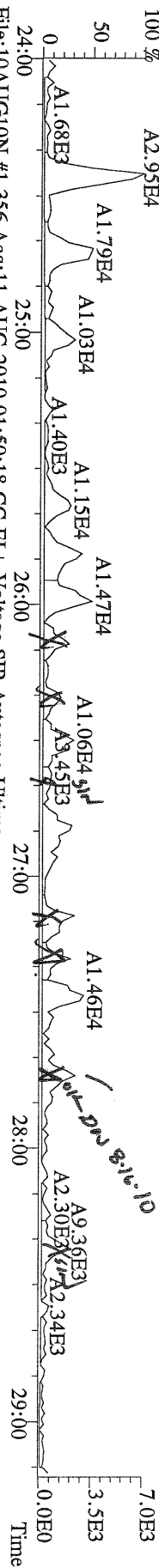
Unnamed Concentration: 157.930

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:20	1.68e+06	1.55e+06	1.08 y	3.22e+06	82.0	1,2,3,4,6,7,8-HpCDF
42:52	2.39e+04	2.20e+04	1.09 y	4.60e+04	1.16	
43:09	3.19e+06	3.01e+06	1.06 y	6.20e+06	157	
45:08	4.18e+04	4.65e+04	0.90 y	8.83e+04	2.19	1,2,3,4,7,8,9-HpCDF

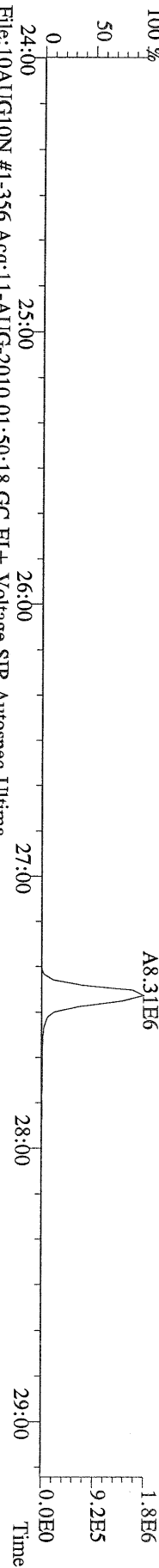
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 319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



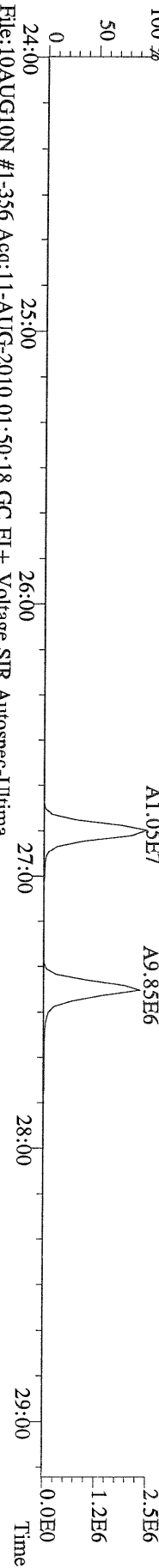
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File:10AUG10N #1-356 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 327.8847 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
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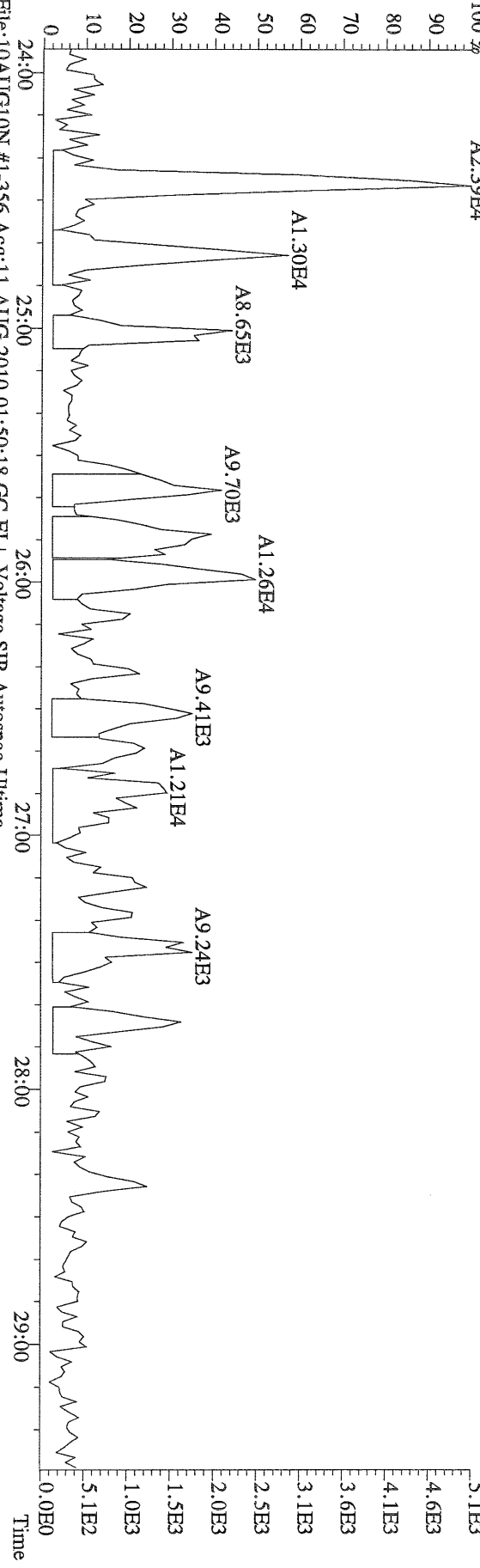
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 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



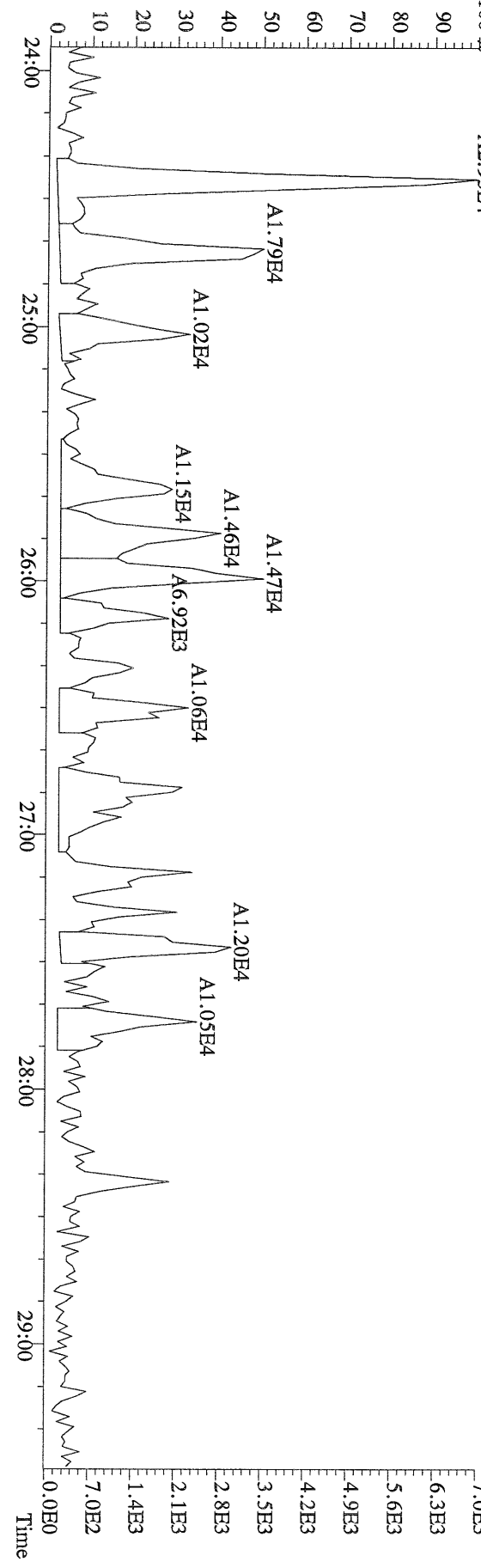
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 333.9339 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
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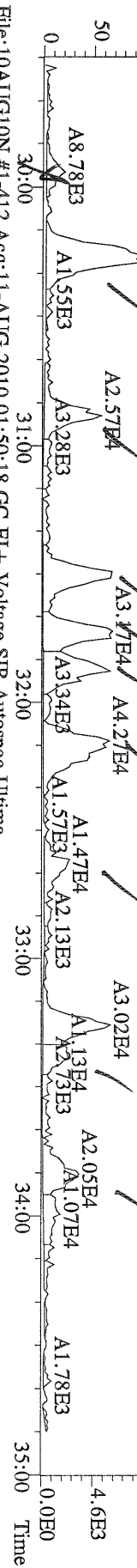
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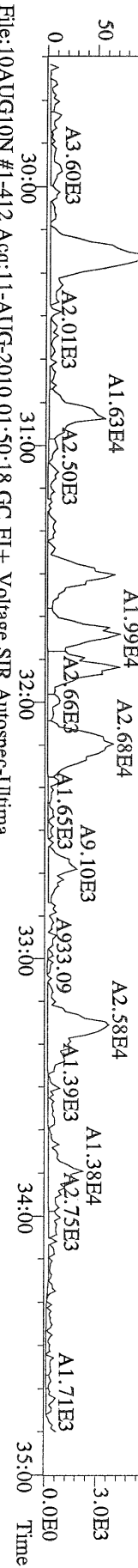
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 100 % A2.95E4



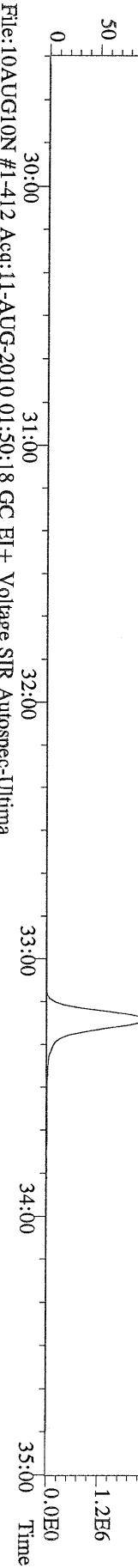
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 355.8546 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



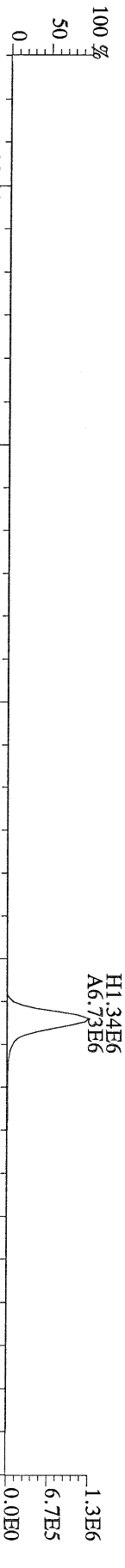
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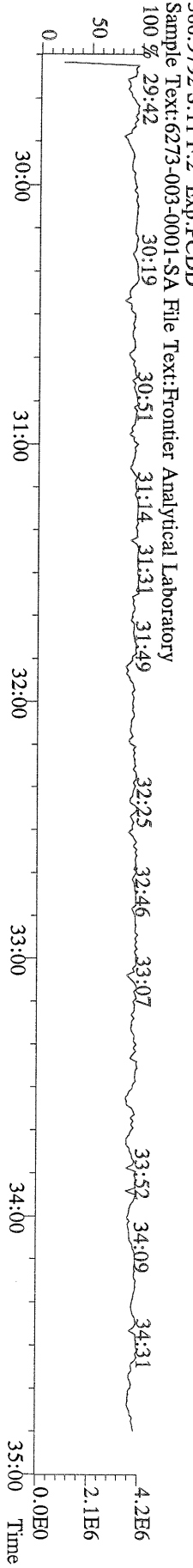
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 367.8949 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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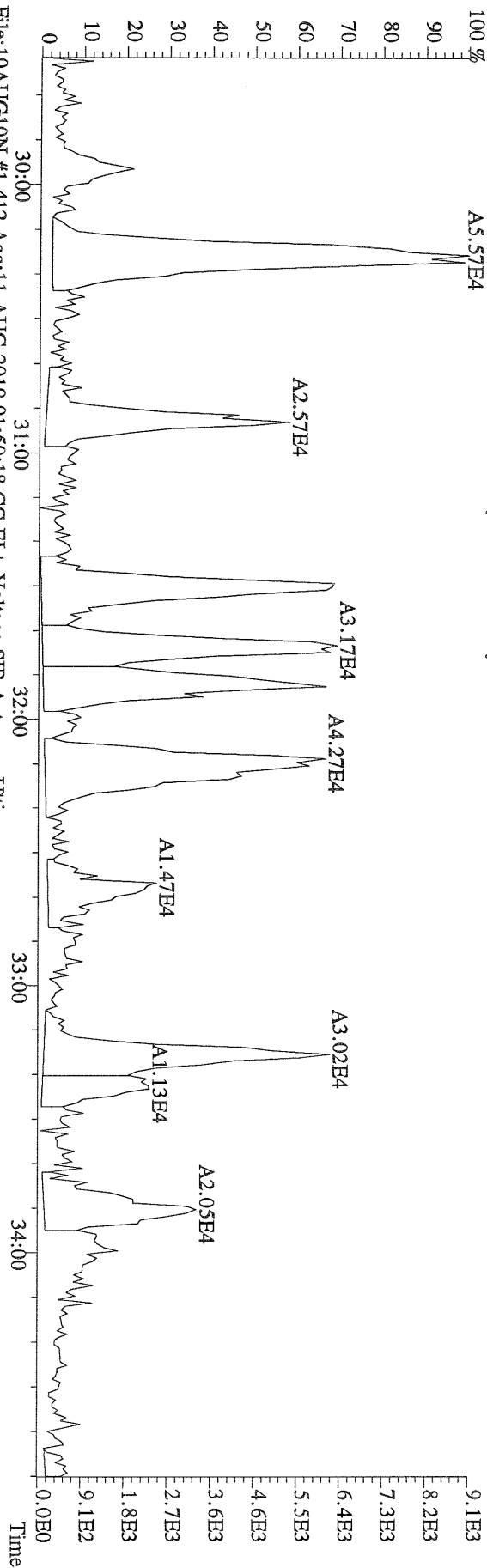
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 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



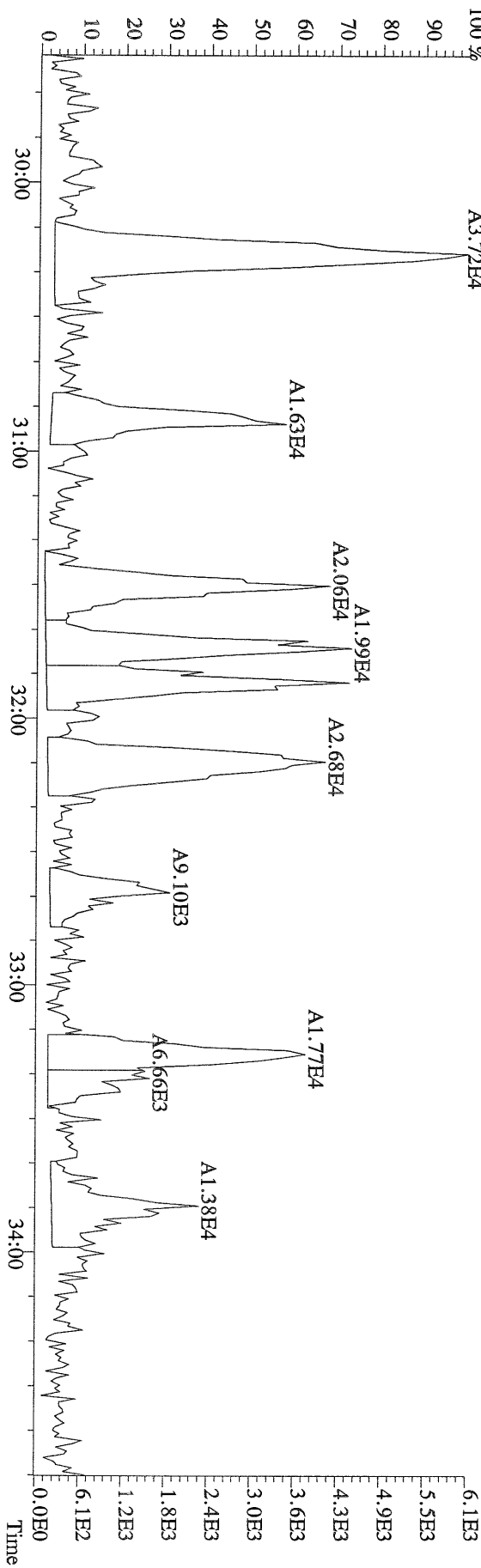
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 366.9792 S:11 F:2 Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-412 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 355.8546 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory

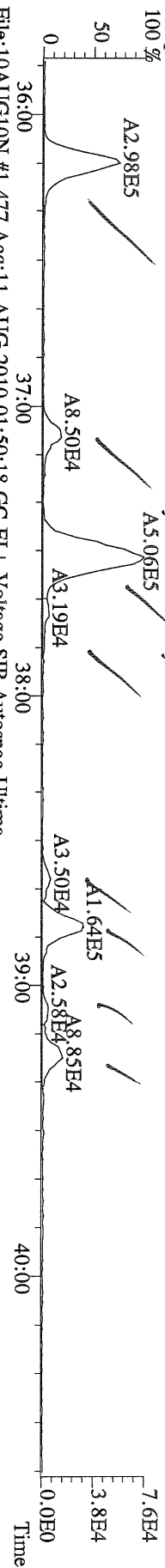


File:10AUG10N #1-412 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 357.8517 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory

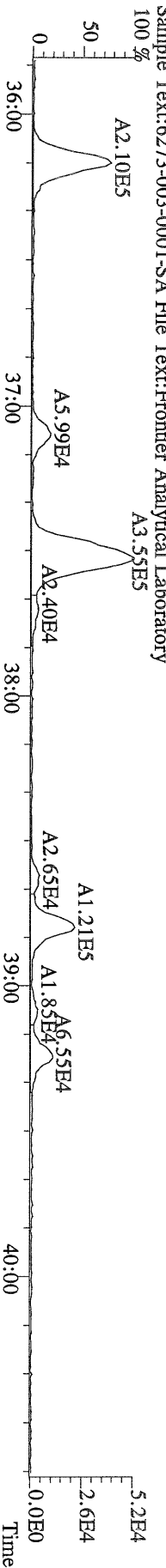




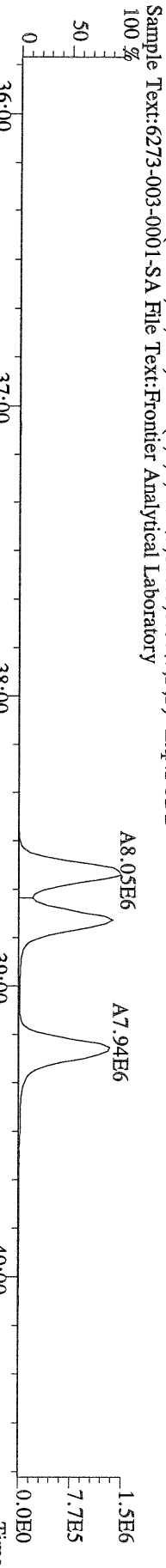
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



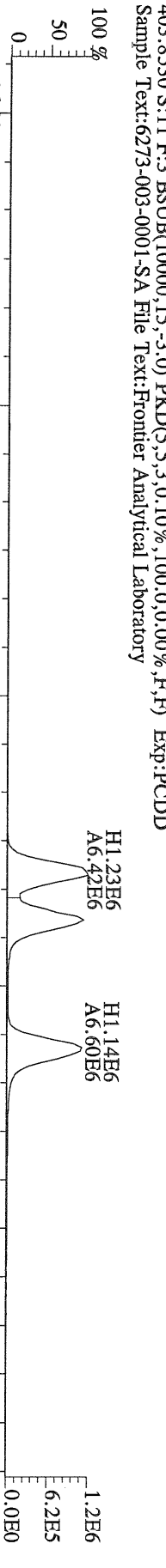
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 391.8127 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



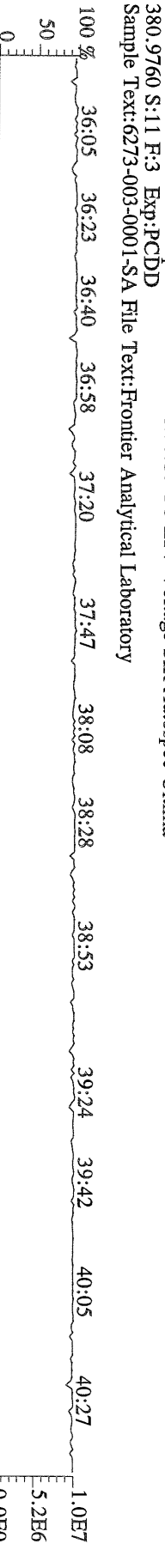
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 401.8559 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



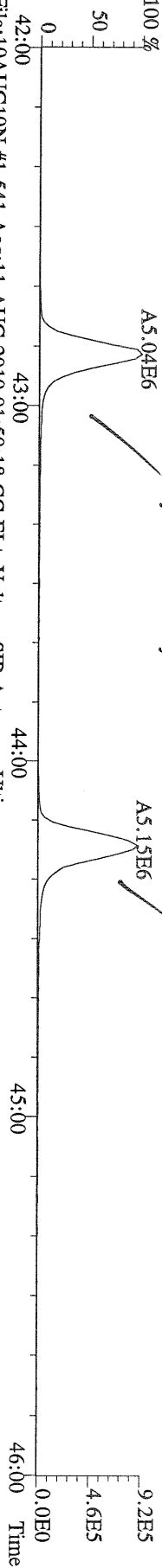
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 403.8530 S:11 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



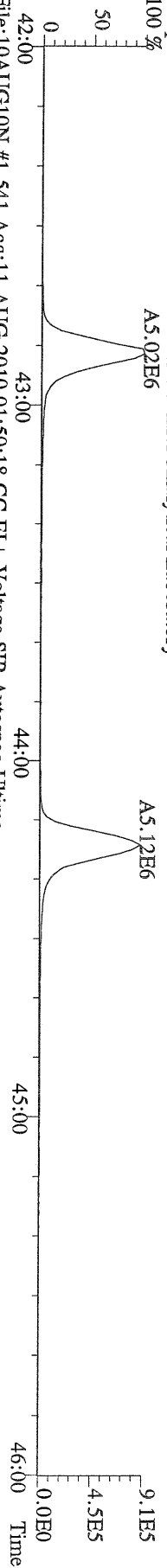
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 380.9760 S:11 F:3 Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



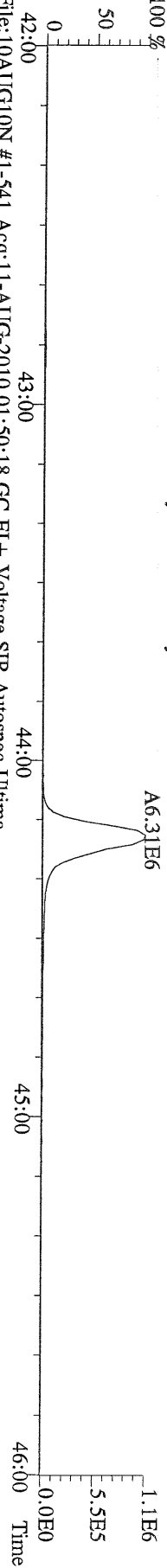
File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



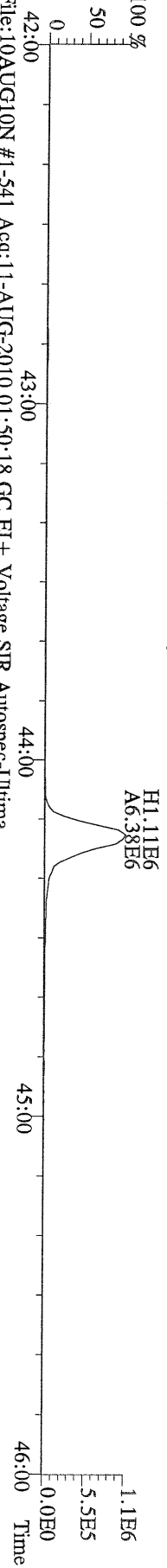
File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
425.7737 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



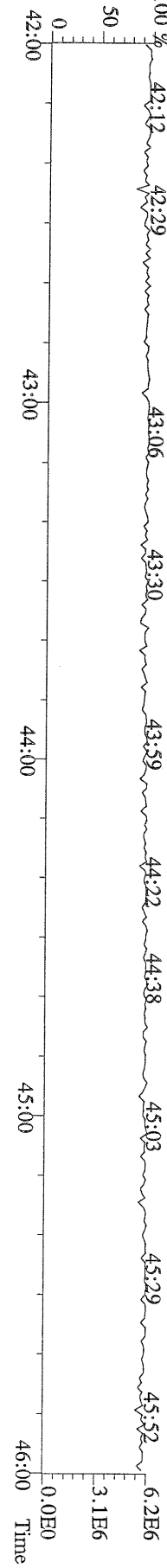
File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
435.8169 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



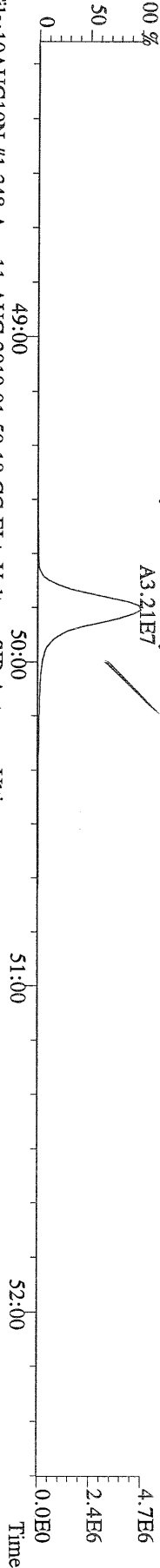
File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
437.8140 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



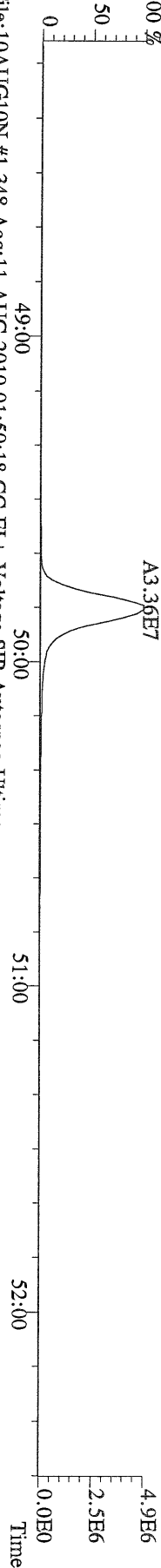
File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
430.9728 S:11 F:4 Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



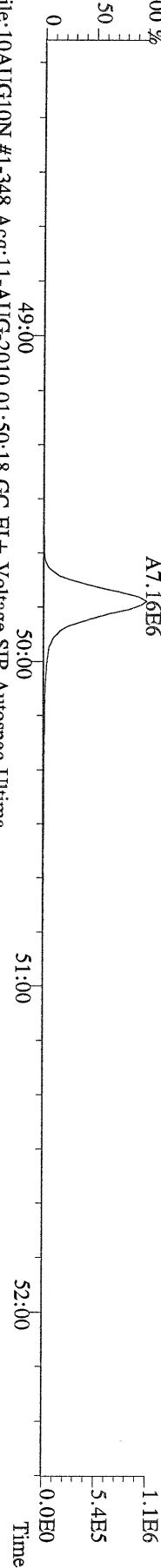
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory  
100 %



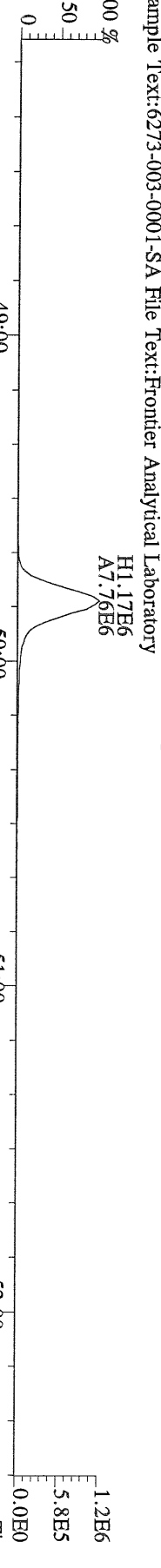
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory  
100 %



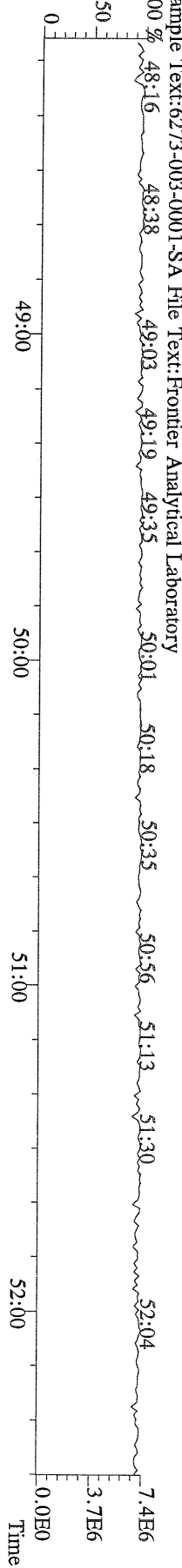
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory  
100 %



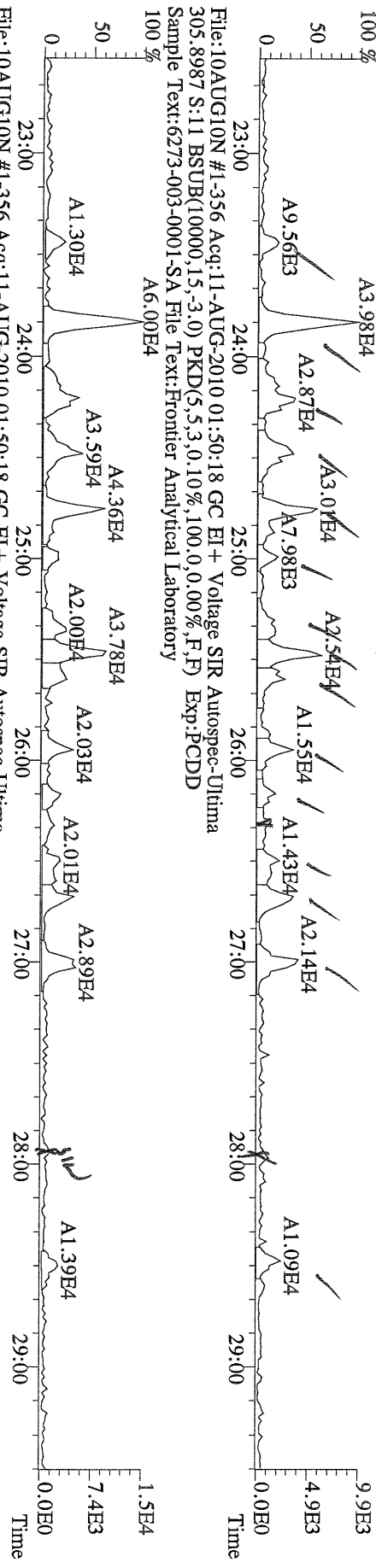
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



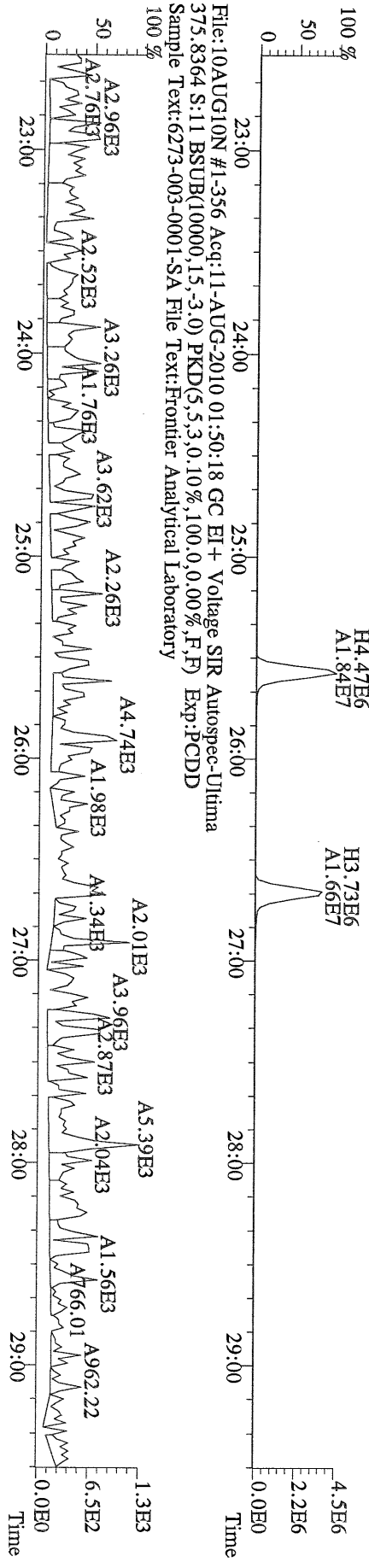
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:11 F:5 Exp:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



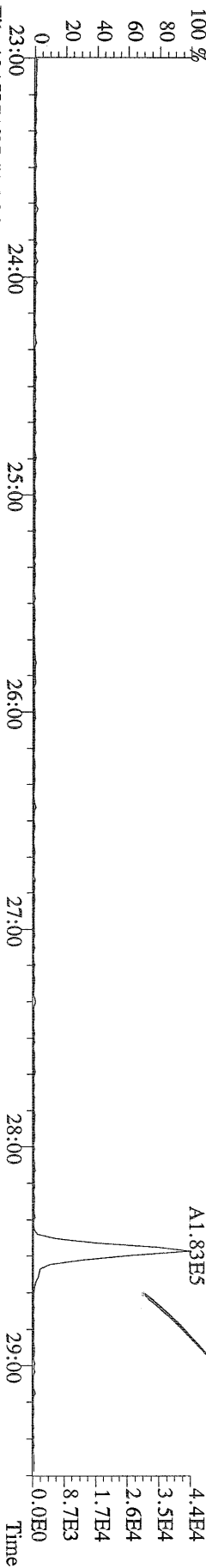
File:10AUG10N #1-356 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



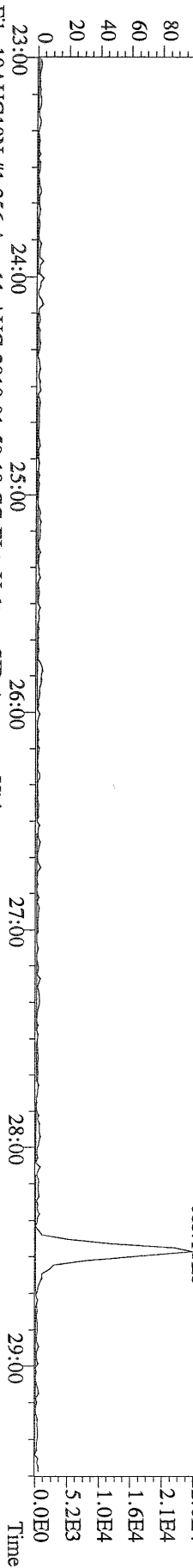
File:10AUG10N #1-356 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
317.9389 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



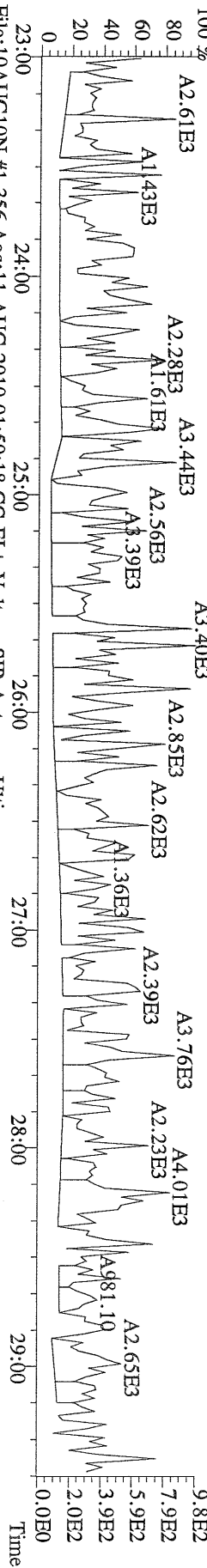
File:10AUG10N #1-356 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
 339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



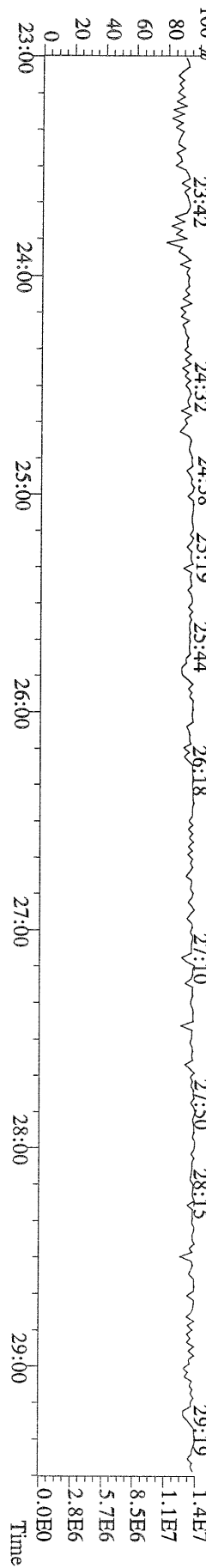
File:10AUG10N #1-356 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
 341.8568 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



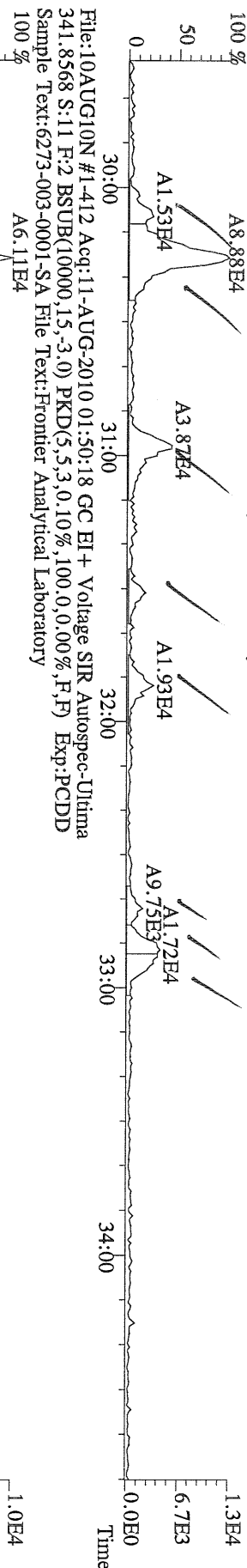
File:10AUG10N #1-356 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
 409.7974 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



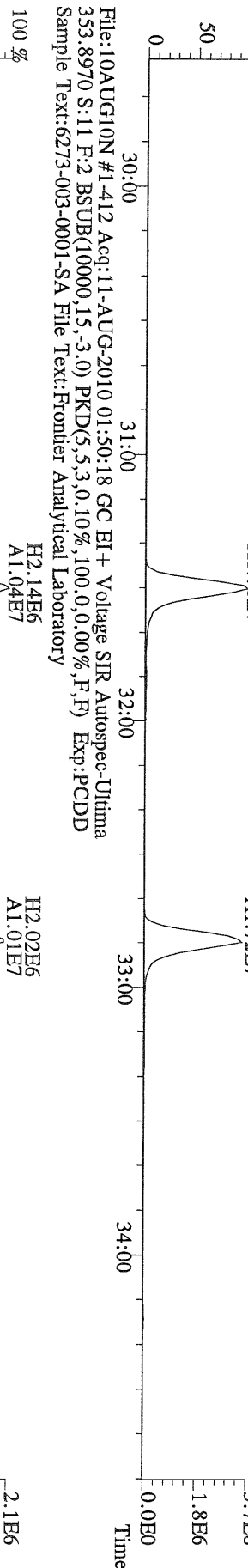
File:10AUG10N #1-356 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Utima  
 330.9792 S:11 Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



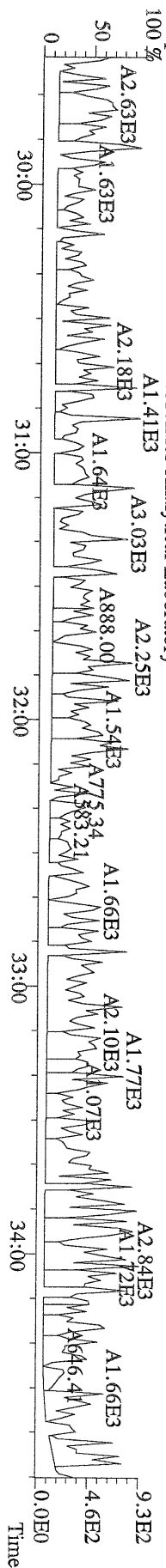
File:10AUG10N #1-412 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



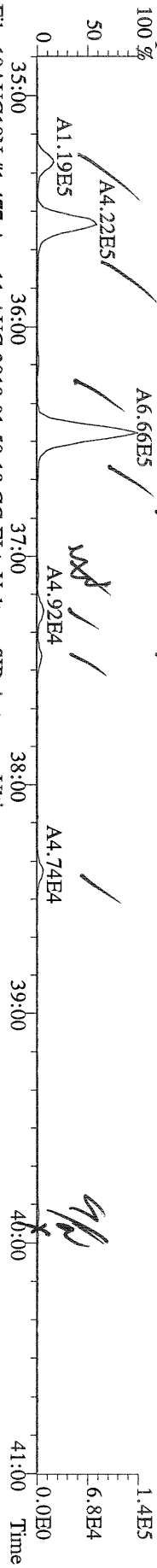
File:10AUG10N #1-412 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 351.9000 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



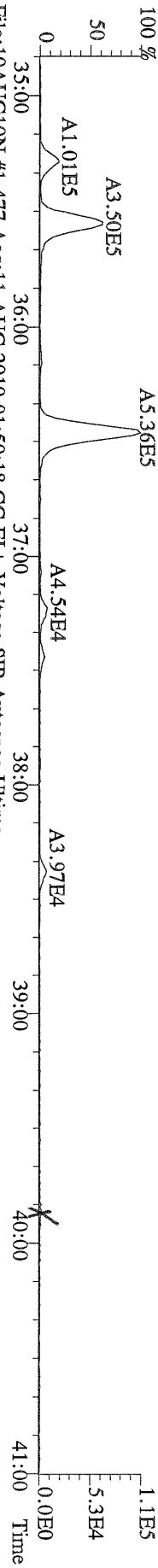
File:10AUG10N #1-412 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



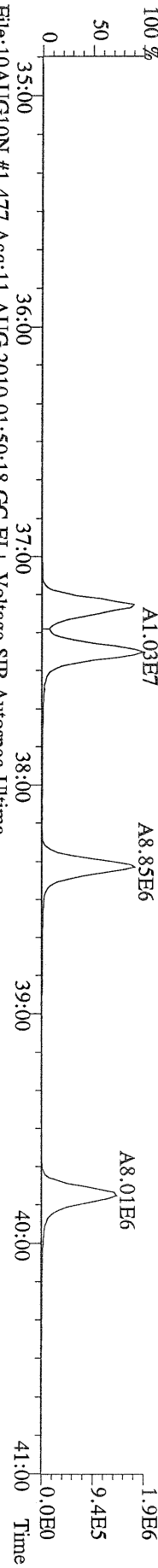
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



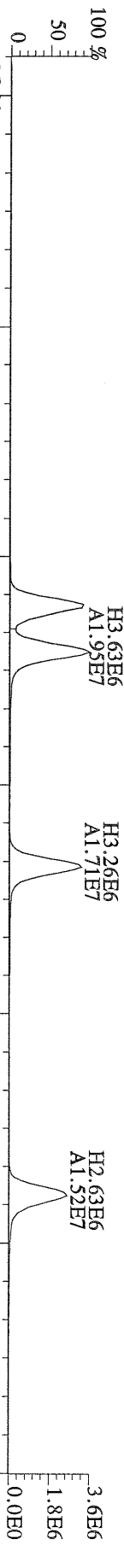
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 375.8178 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



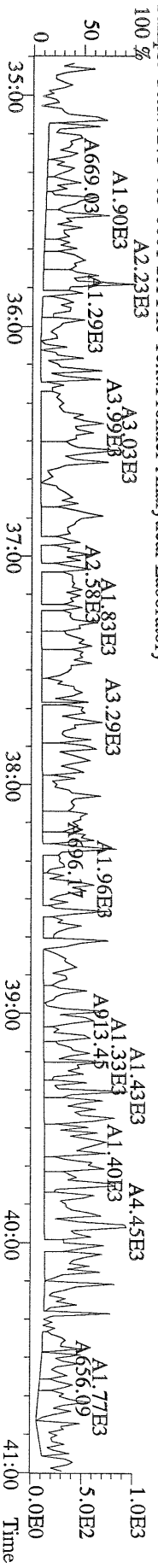
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



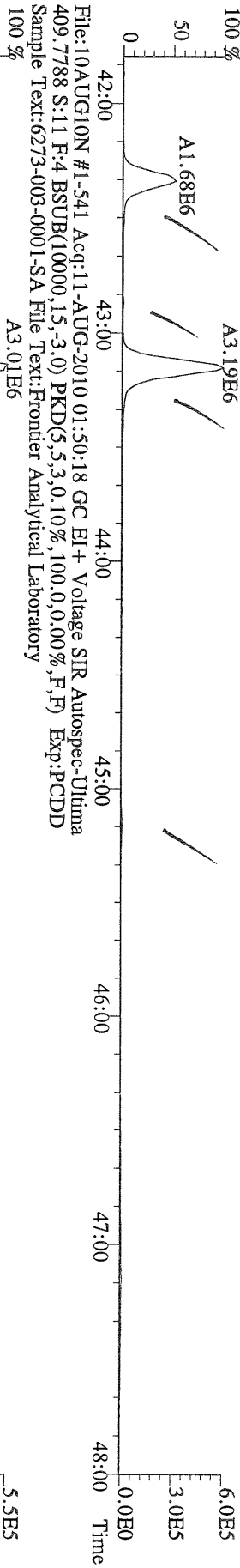
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 385.8610 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



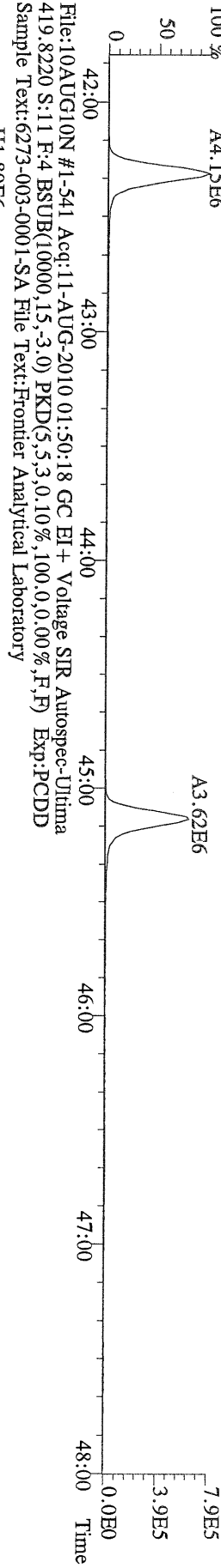
File:10AUG10N #1-477 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



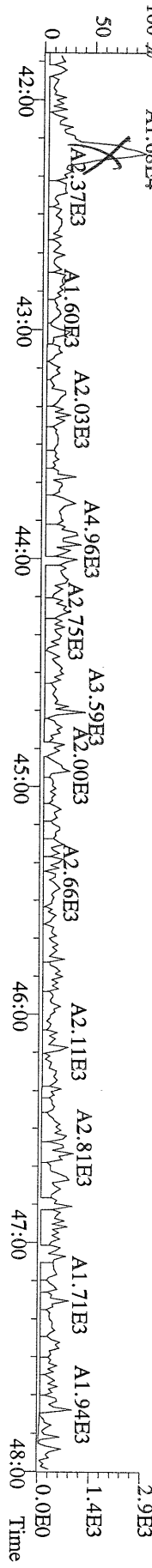
File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
417.8253 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory

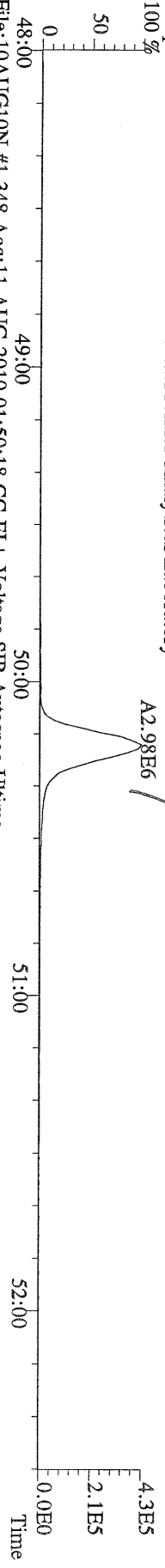


File:10AUG10N #1-541 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
479.7165 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory

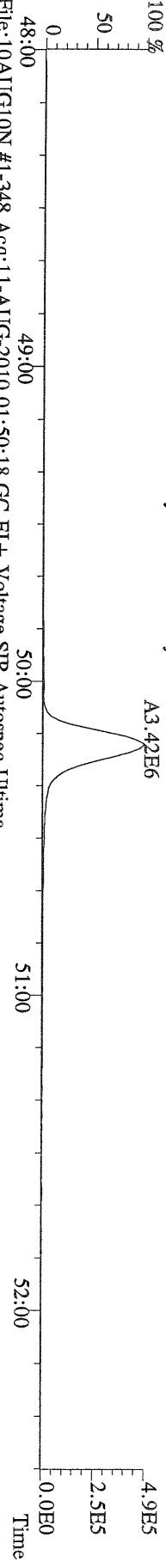




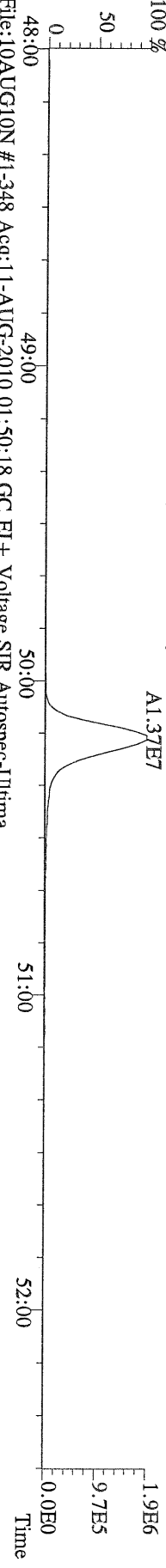
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory  
100 %



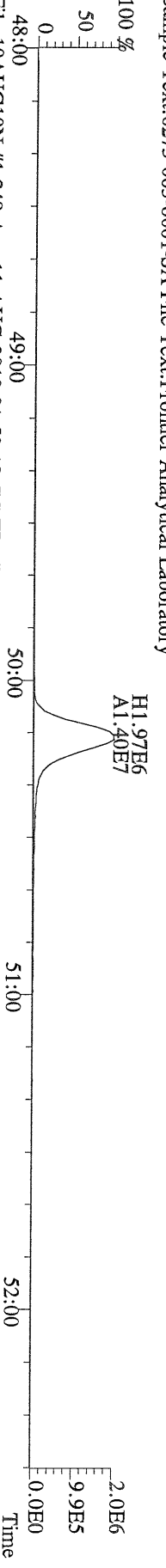
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory  
100 %



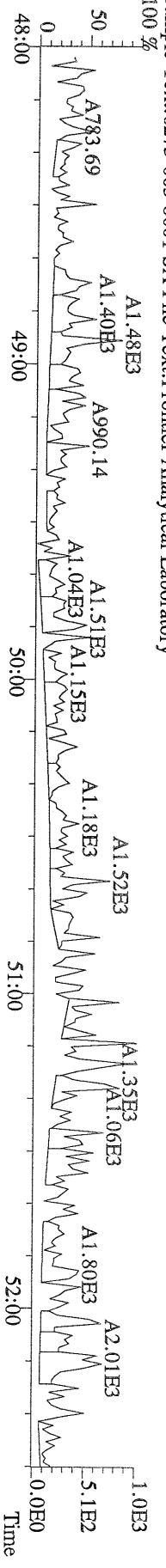
File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-348 Acq:11-AUG-2010 01:50:18 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-003-0001-SA File Text:Frontier Analytical Laboratory



NATO 1989 Tox: 16.4  
 WHO 1998 Tox: 12.1      WHO 2005 Tox: 12.8 ✓  
 DL

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	4.15e+04	0.68 y	27:25	1.04	0.832	J	2.50	-	-	*	
1,2,3,7,8-PeCDD	4.94e+04	1.38 y	33:13	1.05	1.15	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDD	6.94e+04	1.24 y	38:35	1.30	1.91	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	4.13e+05	1.42 y	38:44	1.28	12.1		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	1.45e+05	1.29 y	39:11	1.25	4.24	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	1.35e+07	1.01 y	44:11	1.35	425		2.50	-	-	*	
OCDD	9.01e+07	0.98 y	49:45	1.25	5160		2.50	-	-	*	
2,3,7,8-TCDF	1.48e+05	0.66 y	26:39	1.62	1.38		2.50	-	-	*	
1,2,3,7,8-PeCDF	8.53e+04	1.52 y	31:30	0.92	1.54	J	2.50	-	-	*	
2,3,4,7,8-PeCDF	9.62e+04	1.46 y	32:48	0.94	1.74	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	3.59e+05	1.28 y	37:11	0.93	6.89		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	1.57e+05	1.23 y	37:24	0.84	2.99	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	1.94e+05	1.29 y	38:20	0.90	4.12	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	8.99e+04	1.24 y	39:49	0.98	2.07	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	2.90e+06	1.04 y	42:17	1.38	77.5		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	1.58e+05	0.92 y	45:06	1.62	4.48	J	2.50	-	-	*	
OCDF	4.11e+06	0.89 y	50:06	0.74	219		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.53e+07	0.82 y	27:23	0.93	549					104	
13C-1,2,3,7,8-PeCDD	2.16e+07	1.78 y	33:12	0.81	539					102	
13C-1,2,3,4,7,8-HxCDD	1.47e+07	1.24 y	38:33	0.95	571					108	
13C-1,2,3,6,7,8-HxCDD	1.41e+07	1.25 y	38:44	1.00	519					98.6	
13C-1,2,3,4,6,7,8-HpCDD	1.23e+07	1.00 y	44:10	0.92	490					93.0	
13C-OCDD	1.47e+07	0.92 y	49:43	0.63	852					81.0	
13C-2,3,7,8-TCDF	3.48e+07	0.85 y	26:38	0.87	552					105	
13C-1,2,3,7,8-PeCDF	3.18e+07	1.69 y	31:28	0.81	543					103	
13C-2,3,4,7,8-PeCDF	3.08e+07	1.67 y	32:47	0.75	565					107	
13C-1,2,3,4,7,8-HxCDF	2.95e+07	0.52 y	37:11	1.74	621					118	
13C-1,2,3,6,7,8-HxCDF	3.29e+07	0.51 y	37:22	2.17	557					106	
13C-2,3,4,6,7,8-HxCDF	2.77e+07	0.52 y	38:19	1.82	559					106	
13C-1,2,3,7,8,9-HxCDF	2.32e+07	0.51 y	39:45	1.49	572					109	
13C-1,2,3,4,6,7,8-HpCDF	1.43e+07	0.43 y	42:15	1.10	476					90.5	
13C-1,2,3,4,7,8,9-HpCDF	1.14e+07	0.43 y	45:05	0.81	513					97.5	
13C-OCDF	2.66e+07	0.98 y	50:05	1.19	823					78.2	
37Cl-2,3,7,8-TCDD	9.11e+06		27:25	0.93	197					93.5	
13C-1,2,3,4-TCDD	2.62e+07	0.83 y	26:49	-	20.3						
13C-1,2,3,4-TCDF	3.82e+07	0.84 y	25:33	-	18.8						
13C-1,2,3,7,8,9-HxCDD	1.44e+07	1.22 y	39:11	-	17.5						
Total Tetra-Dioxins	6.80e+05		24:25	1.04	13.6		2.50	-	-	*	11
Total Penta-Dioxins	7.19e+05		30:15	1.05	16.7		2.50	-	-	*	9
Total Hexa-Dioxins	2.52e+06		36:08	1.27	72.5		2.50	-	-	*	8
Total Hepta-Dioxins	2.63e+07		42:48	1.35	832		2.50	-	-	*	2
Total Tetra-Furans	4.93e+06		23:04	1.62	46.1		2.50	-	-	*	20
1st Fn. Tot Penta-Furans	6.71e+05		28:26	0.93	12.1		2.50	-	-	*	PeCDF 1
Total Penta-Furans	1.69e+06		30:04	0.93	30.6		2.50	-	-	*	42.7 ✓ 11
Total Hexa-Furans	5.54e+06		35:15	0.90	114		2.50	-	-	*	9
Total Hepta-Furans	9.70e+06		42:17	1.48	265		2.50	-	-	*	4

Analyst: 

Date: 8/11/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 11

File: 10AUG10N

S: 5 I: 1 F: 1

Acquired: 10-AUG-10 20:18:08

Total Concentration: 13.6

Unnamed Concentration: 12.812

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:25	7.82e+04	1.10e+05	0.71 y	1.88e+05	3.77	
24:42	4.85e+04	6.93e+04	0.70 y	1.18e+05	2.36	
25:00	1.58e+04	1.90e+04	0.83 y	3.49e+04	0.700	
25:47	2.55e+04	3.66e+04	0.70 y	6.21e+04	1.25	
25:57	2.42e+04	2.91e+04	0.83 y	5.33e+04	1.07	
26:07	1.19e+04	1.56e+04	0.76 y	2.75e+04	0.552	
26:30	1.32e+04	1.63e+04	0.81 y	2.95e+04	0.593	
26:50	2.34e+04	3.05e+04	0.77 y	5.39e+04	1.08	
27:07	2.05e+04	2.75e+04	0.75 y	4.80e+04	0.964	
27:25	1.68e+04	2.47e+04	0.68 y	4.15e+04	0.832	2,3,7,8-TCDD
27:43	1.06e+04	1.27e+04	0.84 y	2.33e+04	0.468	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 11 File: 10AUG10N  
Acquired: 10-AUG-10 20:18:08

S: 5 I: 1 F: 2

Total Concentration: 16.7

Unnamed Concentration: 15.531

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	1.32e+05	8.29e+04	1.59 y	2.15e+05	4.99	
30:52	1.93e+04	1.43e+04	1.35 y	3.36e+04	0.779	
31:28	7.20e+04	4.72e+04	1.53 y	1.19e+05	2.77	
31:42	3.51e+04	2.22e+04	1.58 y	5.74e+04	1.33	
31:51	5.68e+04	3.38e+04	1.68 y	9.06e+04	2.10	
32:08	4.60e+04	2.99e+04	1.54 y	7.59e+04	1.76	
32:36	3.11e+04	2.09e+04	1.49 y	5.20e+04	1.21	
33:13	2.86e+04	2.08e+04	1.38 y	4.94e+04	1.15	1,2,3,7,8-PeCDD
33:20	1.53e+04	1.03e+04	1.48 y	2.56e+04	0.595	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 11 File: 10AUG10N S: 5 I: 1 F: 3  
Acquired: 10-AUG-10 20:18:08

Total Concentration: 72.5

Unnamed Concentration: 54.315

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:08	3.43e+05	2.42e+05	1.42 y	5.85e+05	16.8	
37:04	1.59e+05	1.15e+05	1.38 y	2.75e+05	7.88	
37:29	5.43e+05	3.82e+05	1.42 y	9.25e+05	26.5	
37:41	3.01e+04	2.33e+04	1.29 y	5.34e+04	1.53	
38:35	3.85e+04	3.09e+04	1.24 y	6.94e+04	1.91	1,2,3,4,7,8-HxCDD
38:44	2.42e+05	1.71e+05	1.42 y	4.13e+05	12.1	1,2,3,6,7,8-HxCDD
39:01	3.22e+04	2.43e+04	1.32 y	5.64e+04	1.62	
39:11	8.16e+04	6.33e+04	1.29 y	1.45e+05	4.24	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 11

File: 10AUG10N

S: 5 I: 1 F: 4

Acquired: 10-AUG-10 20:18:08

Total Concentration: 832

Unnamed Concentration: 406.889

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:48	6.43e+06	6.44e+06	1.00 y	1.29e+07	407	
44:11	6.78e+06	6.68e+06	1.01 y	1.35e+07	425	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 11 File: 10AUG10N S: 5 I: 1 F: 1  
Acquired: 10-AUG-10 20:18:08

Total Concentration: 46.1

Unnamed Concentration: 44.730

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:04	1.48e+04	1.76e+04	0.84 y	3.23e+04	0.302	
23:26	4.26e+04	6.24e+04	0.68 y	1.05e+05	0.983	
23:50	1.25e+05	1.62e+05	0.77 y	2.87e+05	2.69	
24:12	2.16e+05	3.29e+05	0.66 y	5.44e+05	5.09	
24:27	1.43e+05	2.09e+05	0.69 y	3.52e+05	3.29	
24:45	8.79e+04	1.31e+05	0.67 y	2.18e+05	2.04	
24:51	4.48e+04	6.66e+04	0.67 y	1.11e+05	1.04	
24:58	5.87e+04	8.57e+04	0.69 y	1.44e+05	1.35	
25:20	1.38e+05	2.05e+05	0.67 y	3.43e+05	3.21	
25:26	9.82e+04	1.43e+05	0.69 y	2.41e+05	2.26	
25:34	2.67e+05	4.02e+05	0.66 y	6.69e+05	6.26	
25:56	1.09e+05	1.59e+05	0.68 y	2.68e+05	2.51	
26:09	7.86e+04	1.18e+05	0.67 y	1.97e+05	1.84	
26:18	1.23e+05	1.85e+05	0.66 y	3.08e+05	2.88	
26:29	1.25e+05	1.89e+05	0.66 y	3.15e+05	2.94	
26:39	5.87e+04	8.91e+04	0.66 y	1.48e+05	1.38	2,3,7,8-TCDF
26:59	2.03e+05	2.90e+05	0.70 y	4.93e+05	4.62	
27:13	1.44e+04	2.14e+04	0.67 y	3.57e+04	0.334	
27:29	1.61e+04	2.31e+04	0.70 y	3.92e+04	0.367	
28:29	3.42e+04	4.31e+04	0.79 y	7.73e+04	0.723	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 11      File: 10AUG10N      S: 5 I: 1 F: 1  
Acquired: 10-AUG-10 20:18:08

Total Concentration: 12.1      Unnamed Concentration: 12.136

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:26	4.17e+05	2.54e+05	1.64 y	6.71e+05	12.1	



Totals class: Total Penta-Furans

Entry #: 44

Run: 11 File: 10AUG10N S: 5 I: 1 F: 2  
Acquired: 10-AUG-10 20:18:08

Total Concentration: 30.6

Unnamed Concentration: 27.329

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:04	1.18e+05	8.17e+04	1.45 y	2.00e+05	3.62	
30:14	2.74e+05	1.99e+05	1.38 y	4.74e+05	8.57	
30:42	2.09e+04	1.45e+04	1.44 y	3.54e+04	0.641	
30:55	1.31e+05	9.88e+04	1.32 y	2.29e+05	4.15	
31:03	3.91e+04	2.84e+04	1.38 y	6.75e+04	1.22	
31:15	4.06e+04	2.90e+04	1.40 y	6.95e+04	1.26	
31:30	5.14e+04	3.39e+04	1.52 y	8.53e+04	1.54	1,2,3,7,8-PeCDF
31:50	1.07e+05	7.69e+04	1.39 y	1.84e+05	3.32	
32:39	7.64e+04	5.78e+04	1.32 y	1.34e+05	2.43	
32:48	5.71e+04	3.91e+04	1.46 y	9.62e+04	1.74	2,3,4,7,8-PeCDF
32:50	6.90e+04	4.88e+04	1.41 y	1.18e+05	2.13	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 11 File: 10AUG10N  
Acquired: 10-AUG-10 20:18:08

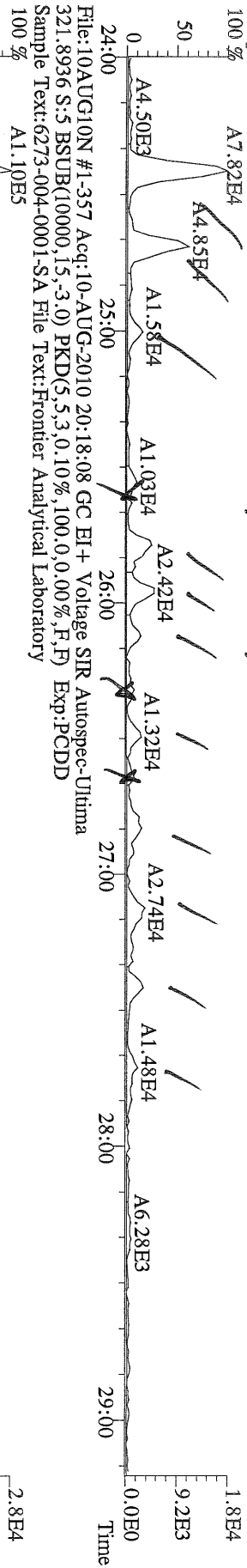
S: 5 I: 1 F: 3

Total Concentration: 114

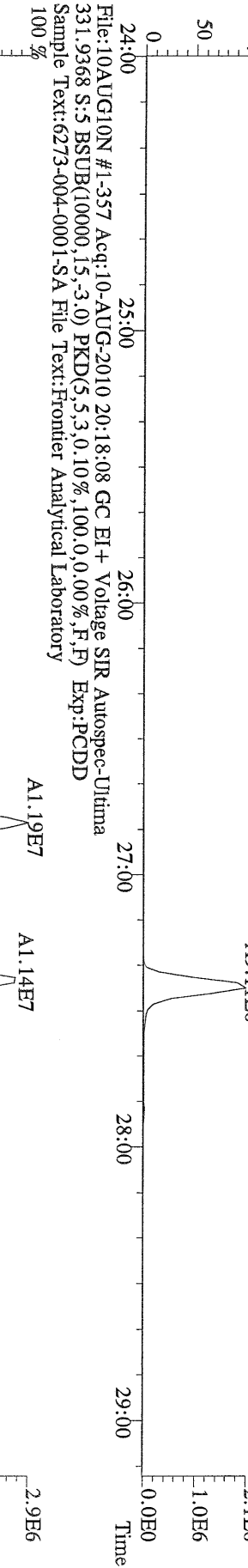
Unnamed Concentration: 97.438

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:15	2.07e+05	1.67e+05	1.24 y	3.75e+05	7.70	
35:31	8.86e+05	7.17e+05	1.24 y	1.60e+06	33.0	
36:06	2.74e+04	2.14e+04	1.28 y	4.88e+04	1.00	
36:25	1.43e+06	1.20e+06	1.20 y	2.63e+06	54.1	
37:02	4.64e+04	3.67e+04	1.27 y	8.31e+04	1.71	
37:11	2.01e+05	1.58e+05	1.28 y	3.59e+05	6.89	1,2,3,4,7,8-HxCDF
37:24	8.65e+04	7.02e+04	1.23 y	1.57e+05	2.99	1,2,3,6,7,8-HxCDF
38:20	1.09e+05	8.48e+04	1.29 y	1.94e+05	4.12	2,3,4,6,7,8-HxCDF
39:49	4.97e+04	4.02e+04	1.24 y	8.99e+04	2.07	1,2,3,7,8,9-HxCDF

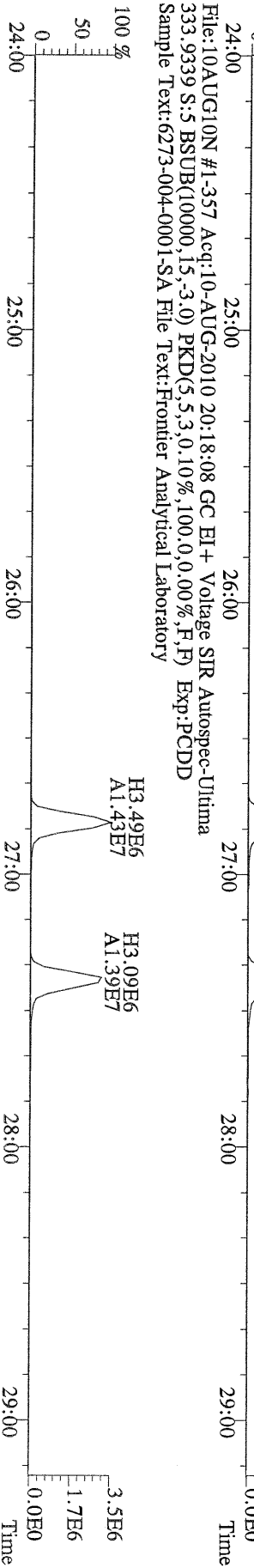
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Utima  
 319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



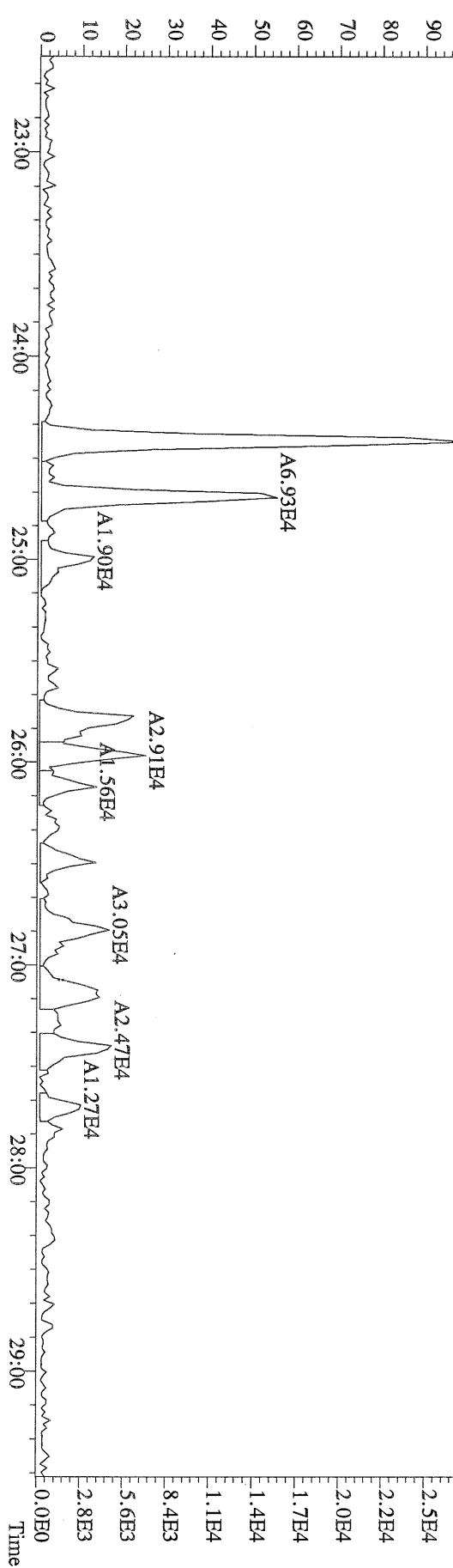
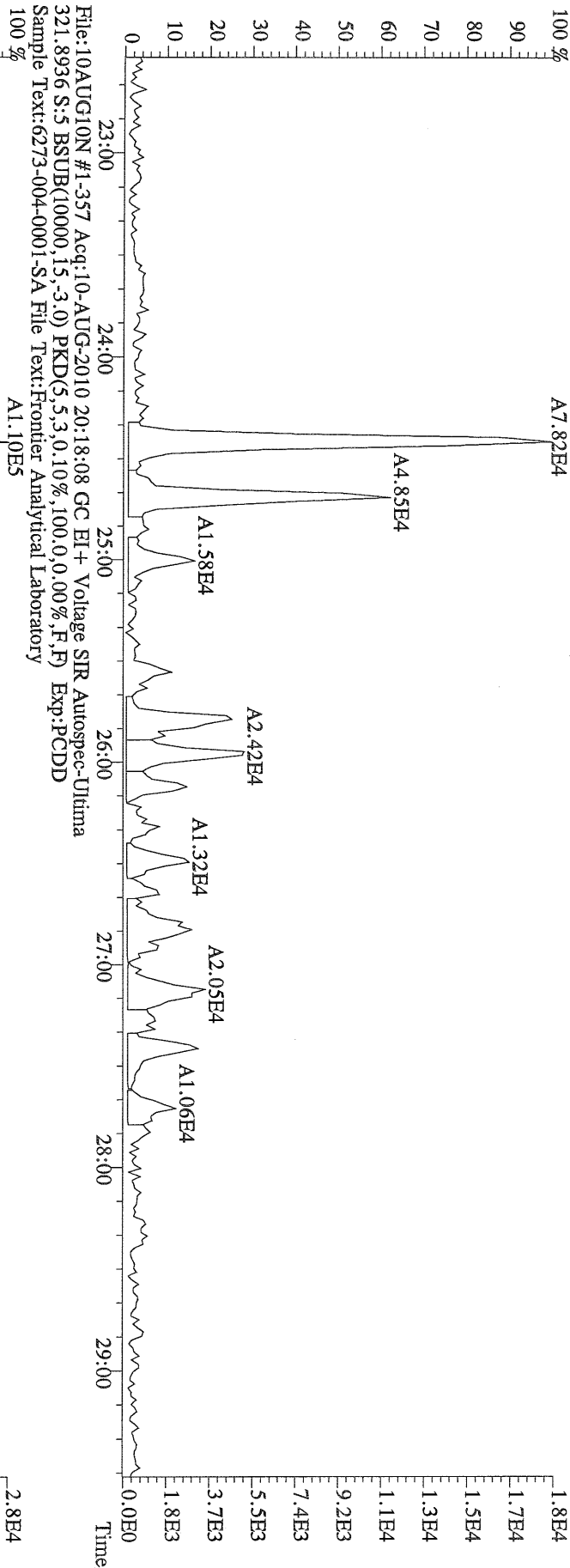
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Utima  
 321.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



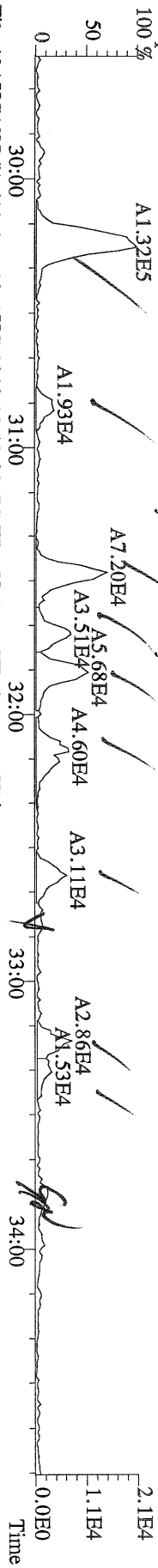
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Utima  
 331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



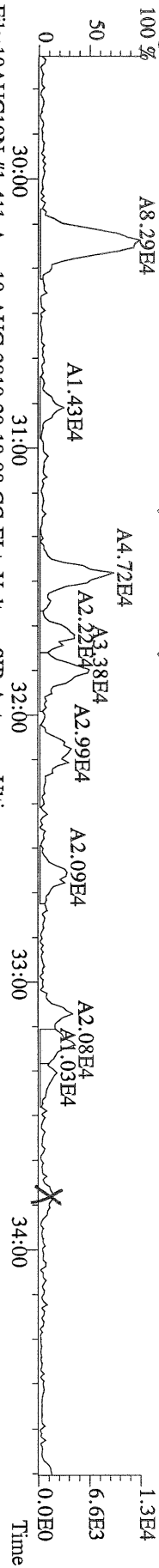
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 319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
 A7.82E4



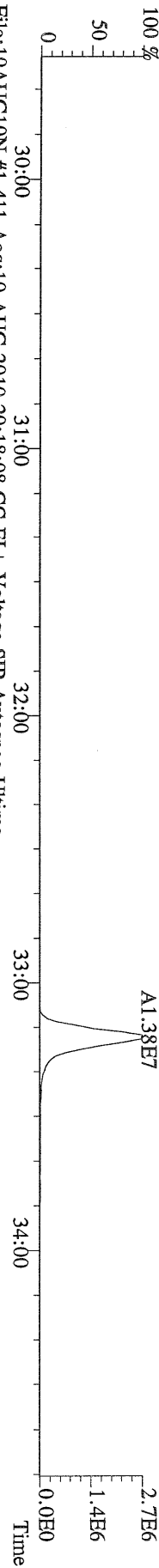
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



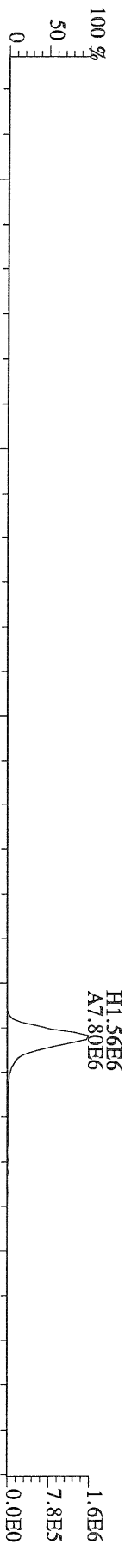
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 357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



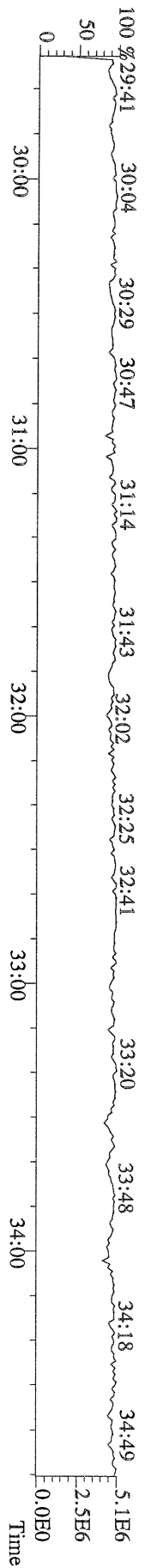
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



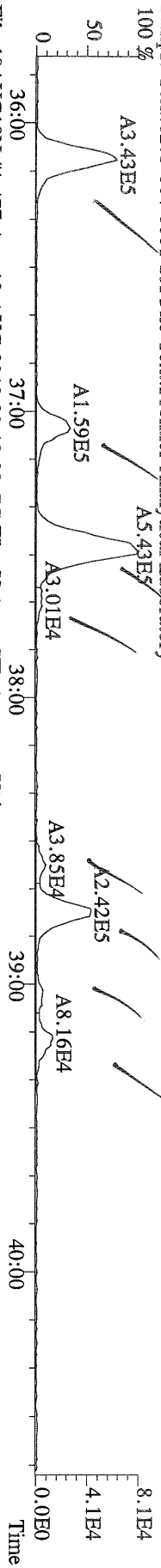
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



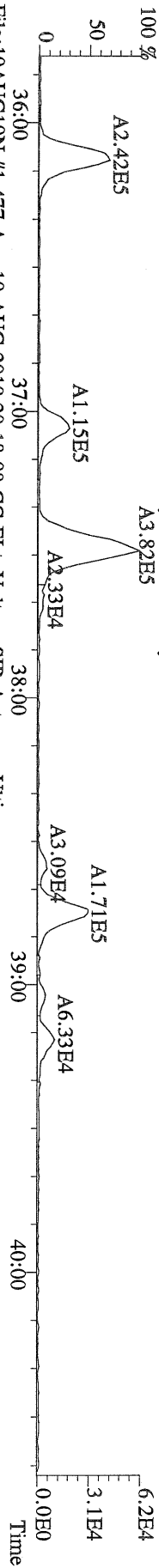
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 366.9792 S:5 F:2 Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



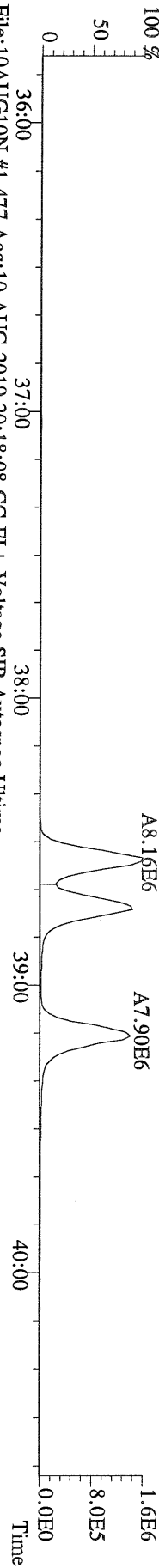
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



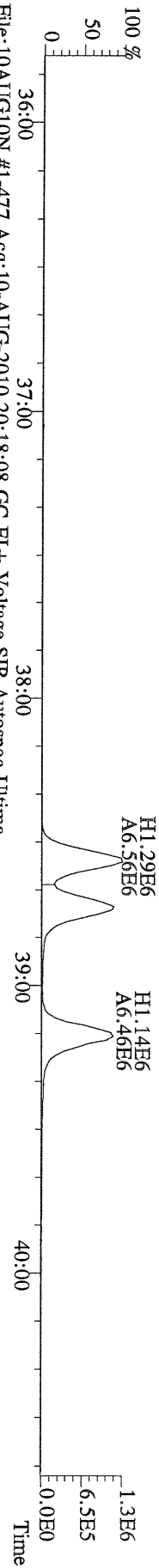
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



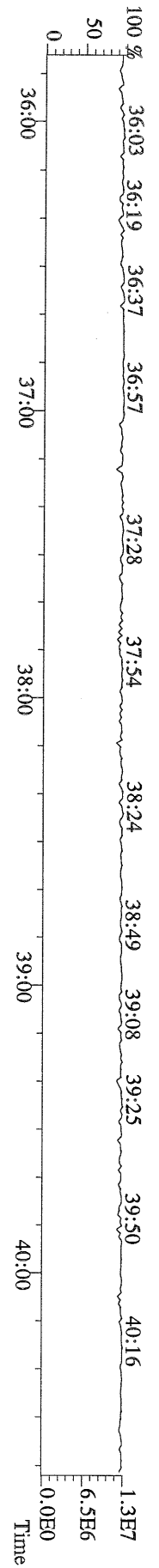
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



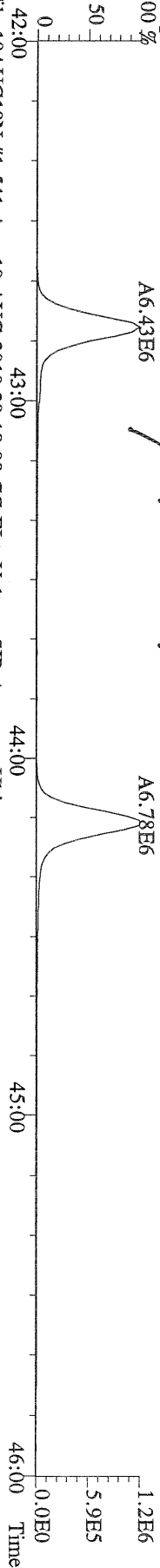
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



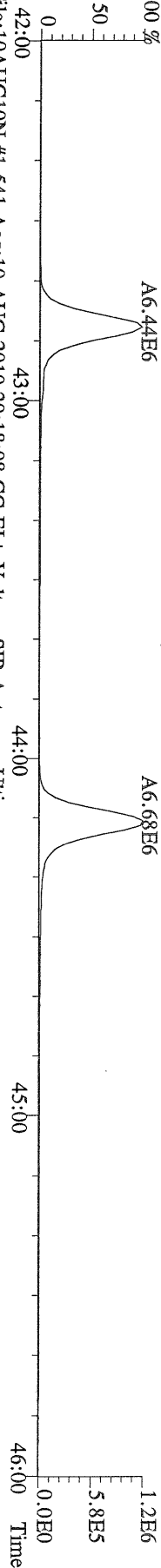
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
380.9760 S:5 F:3 Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



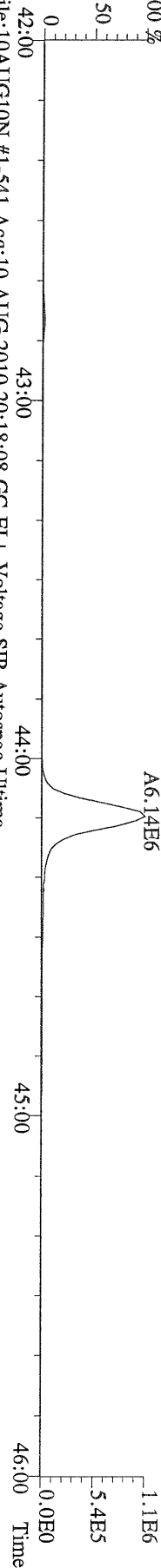
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



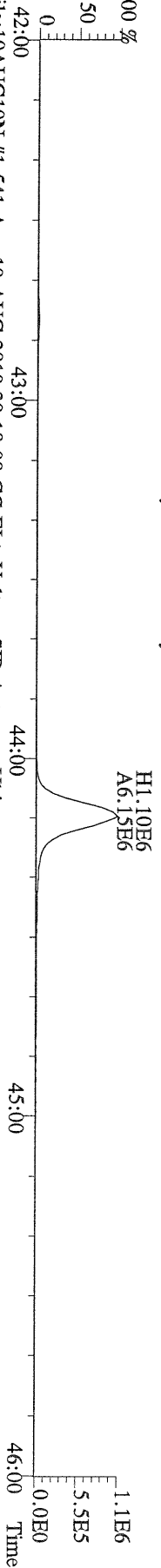
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



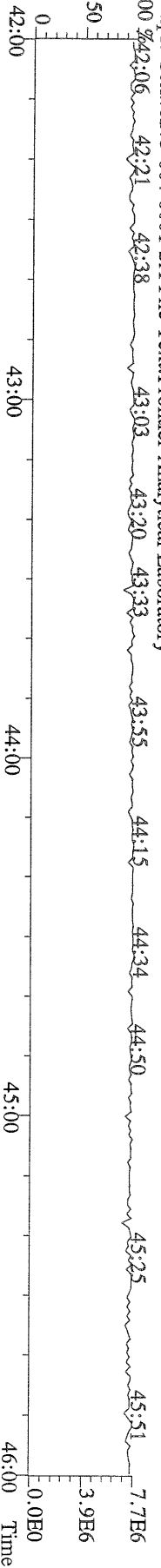
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



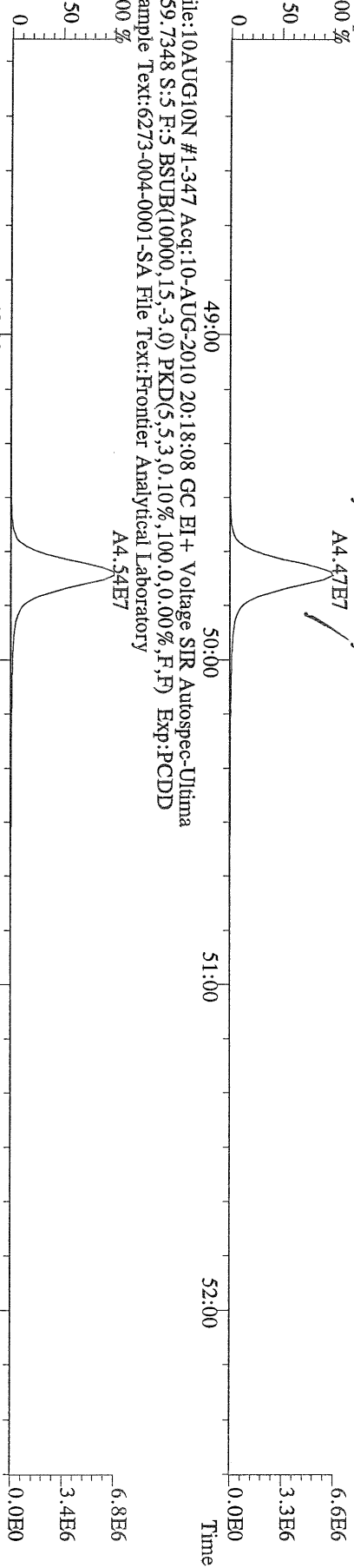
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



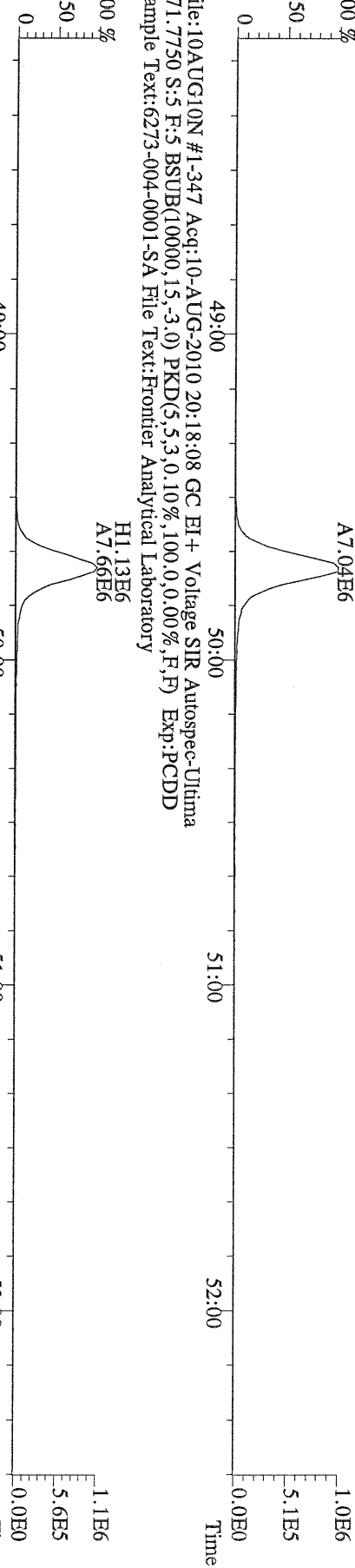
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:5 F:4 Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



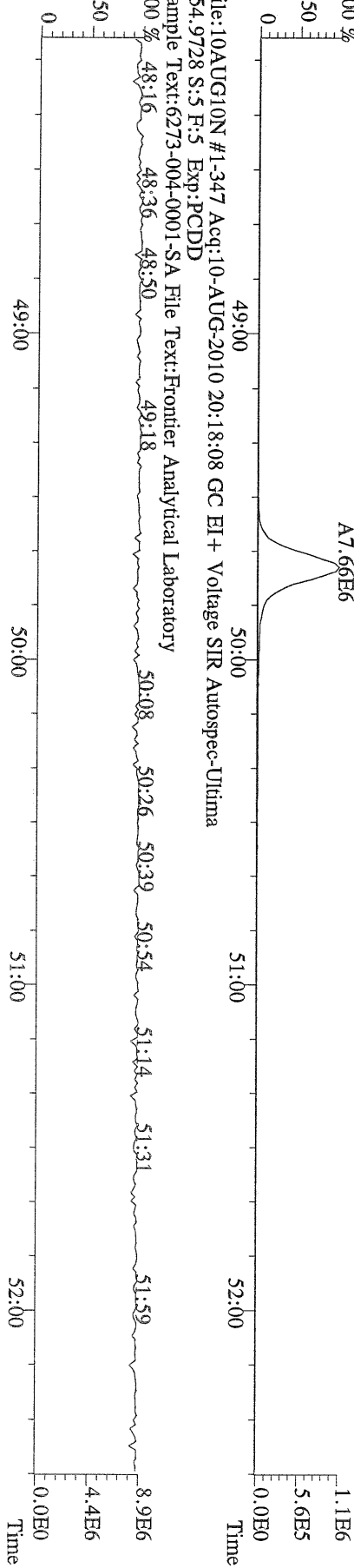
File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %

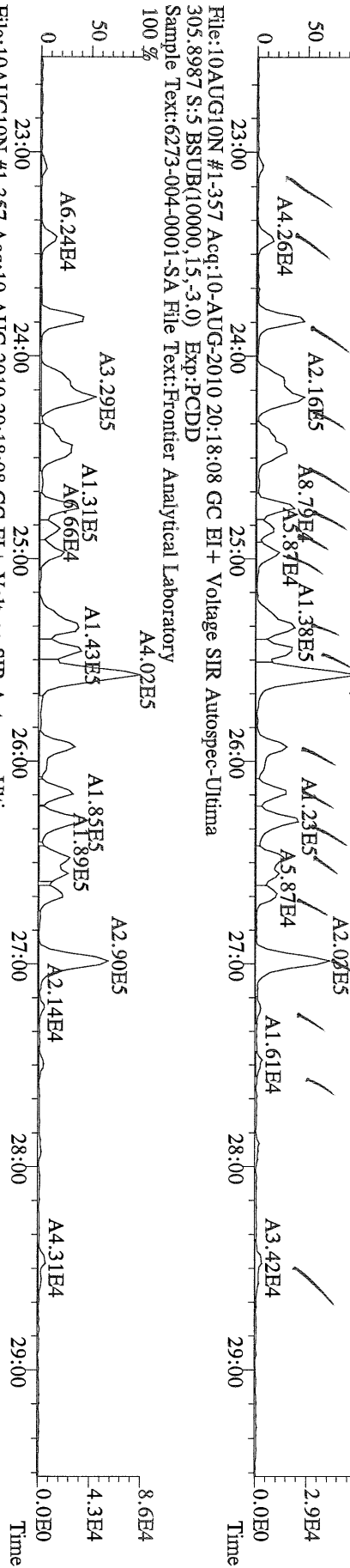


File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
481.7728 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %

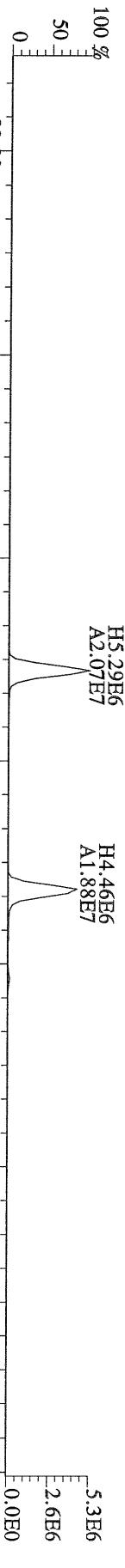




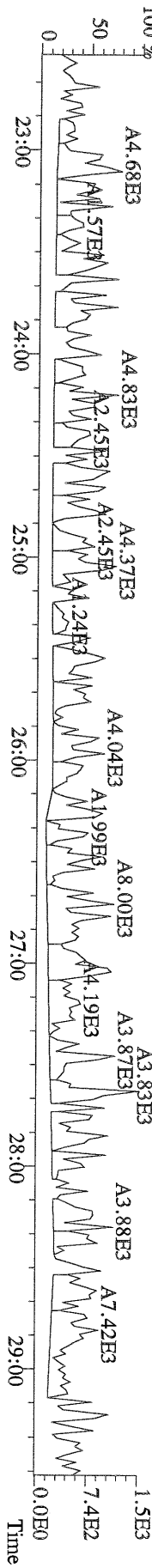
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:5 BSUB(10000,15,-3.0) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



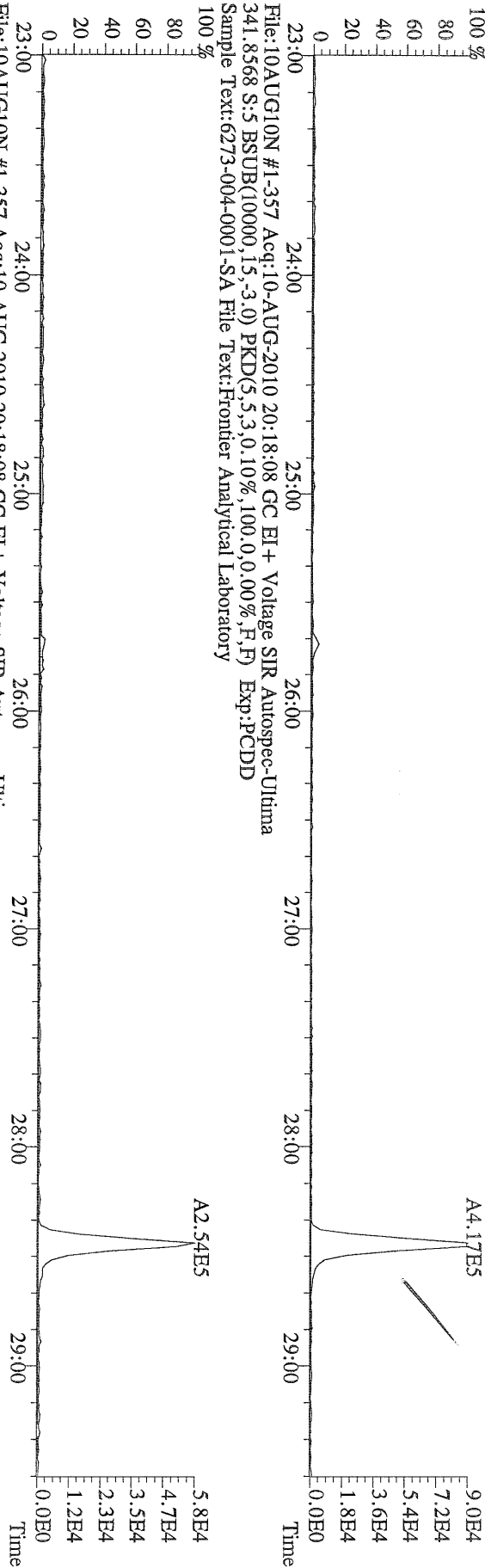
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



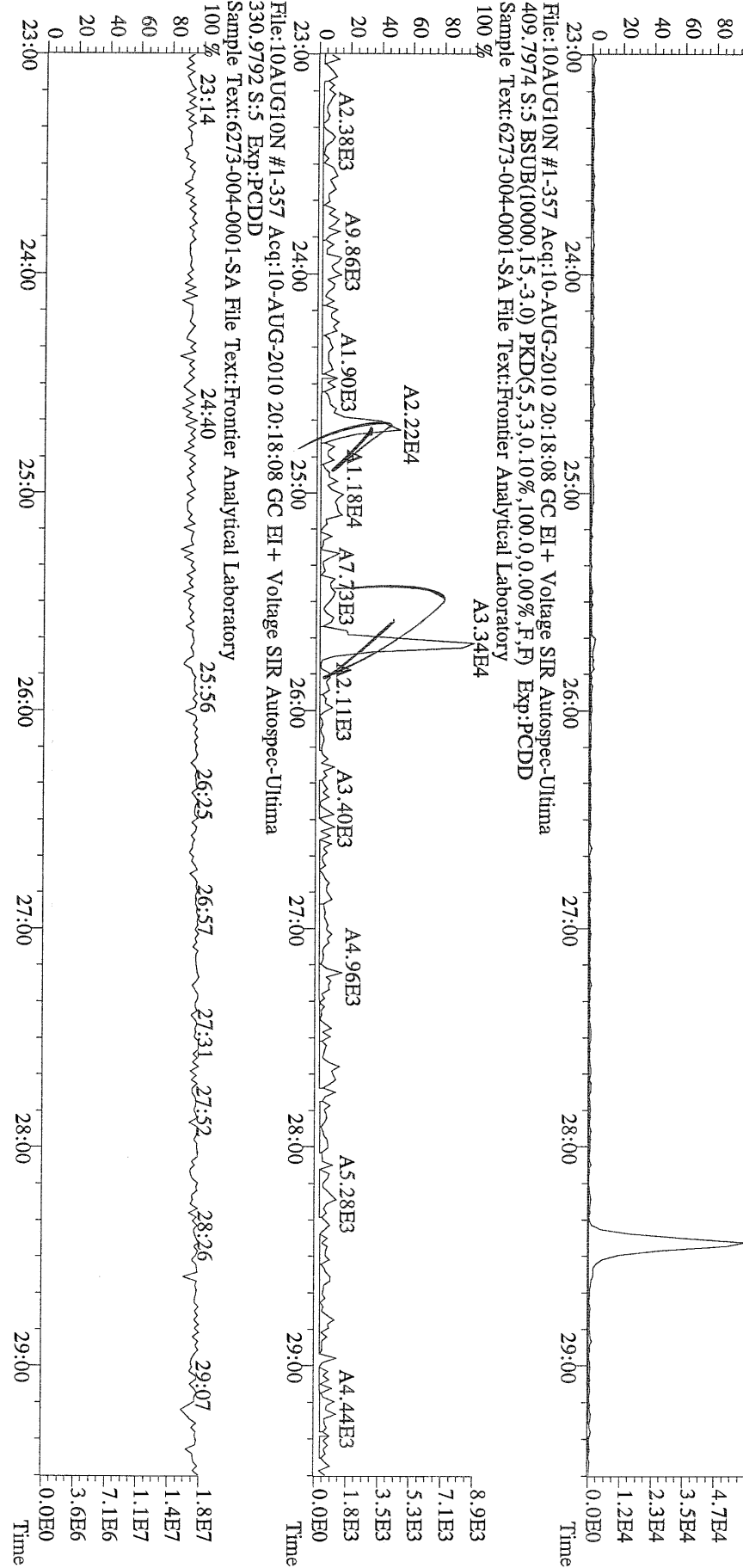
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:5 BSUB(10000,15,-3.0) BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



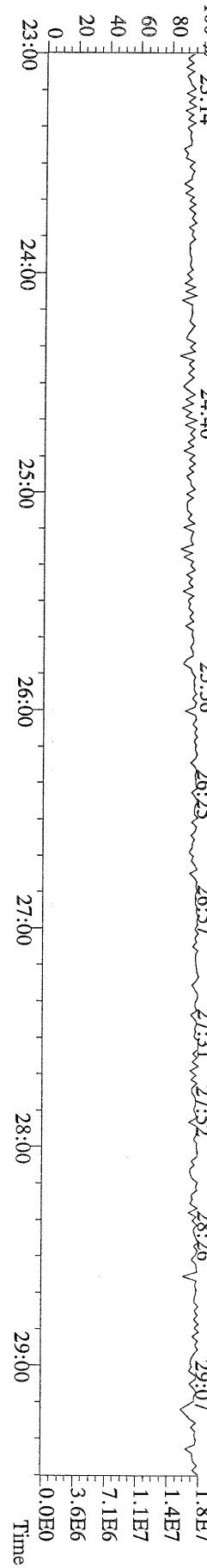
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



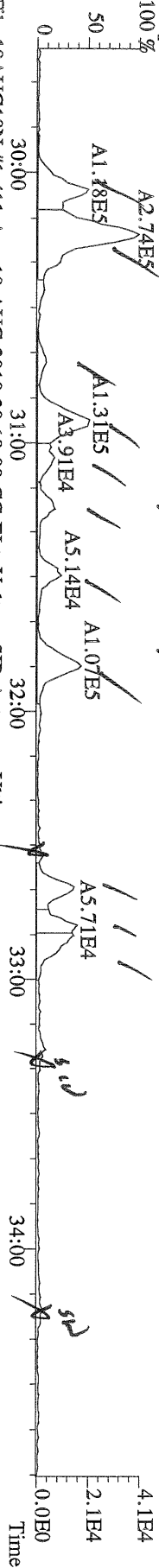
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



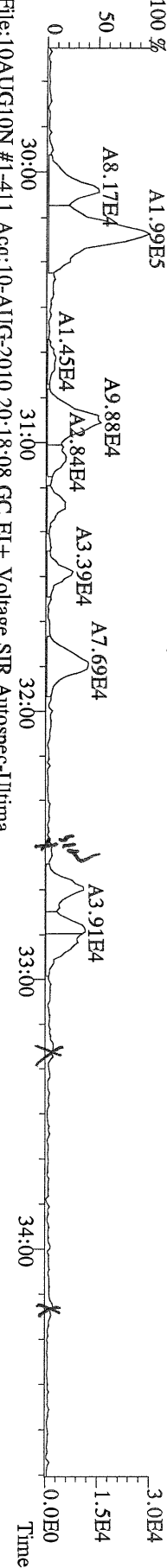
File:10AUG10N #1-357 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
 330.9792 S:5 Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



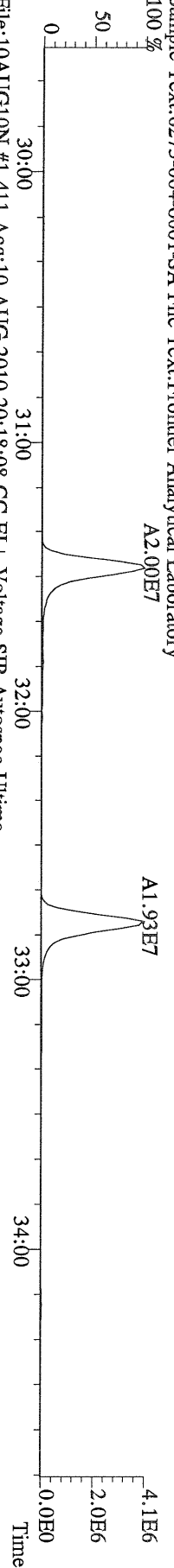
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



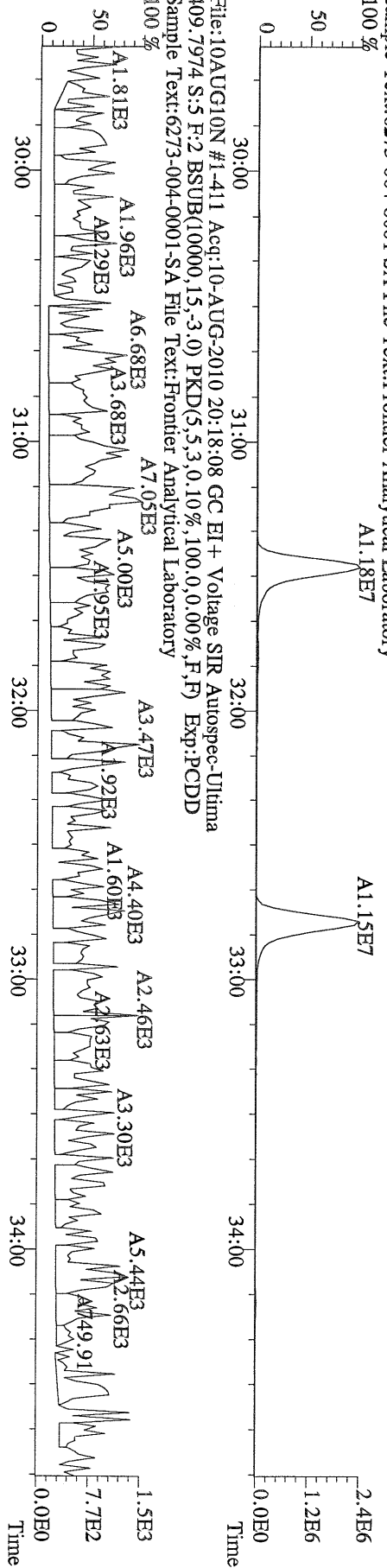
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



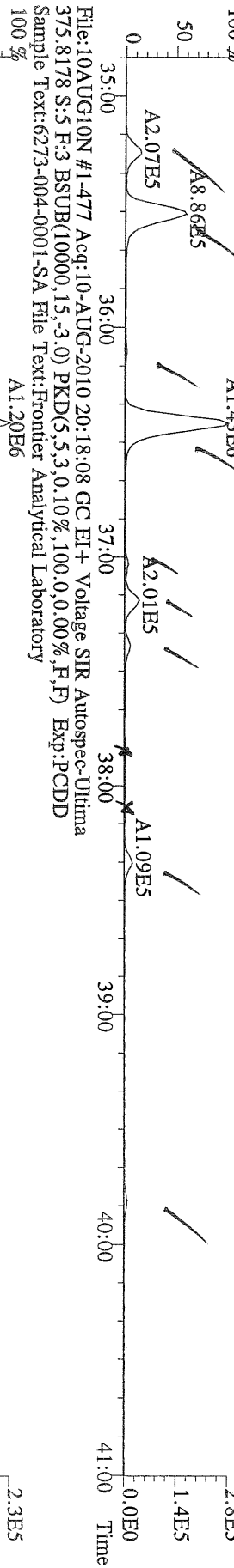
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



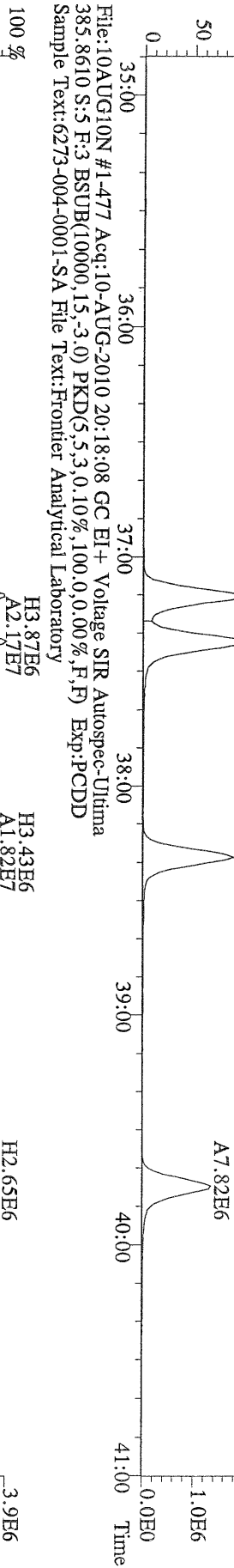
File:10AUG10N #1-411 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



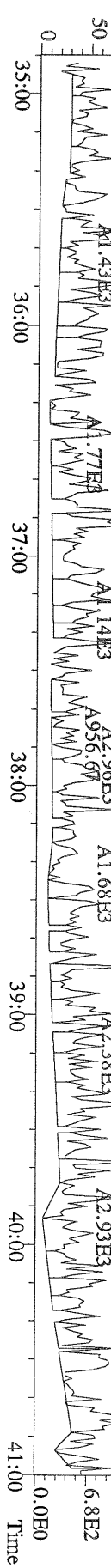
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Utima  
 373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



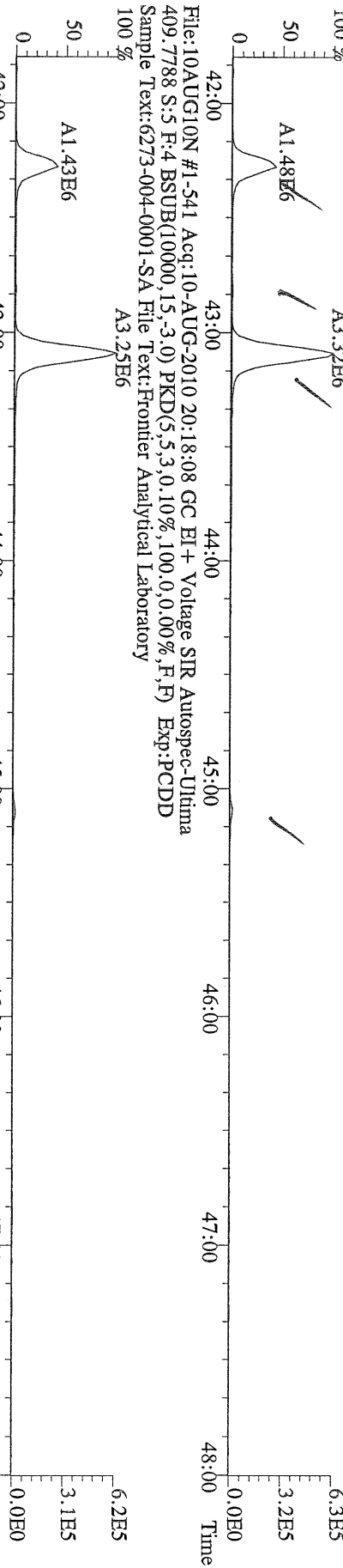
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Utima  
 383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



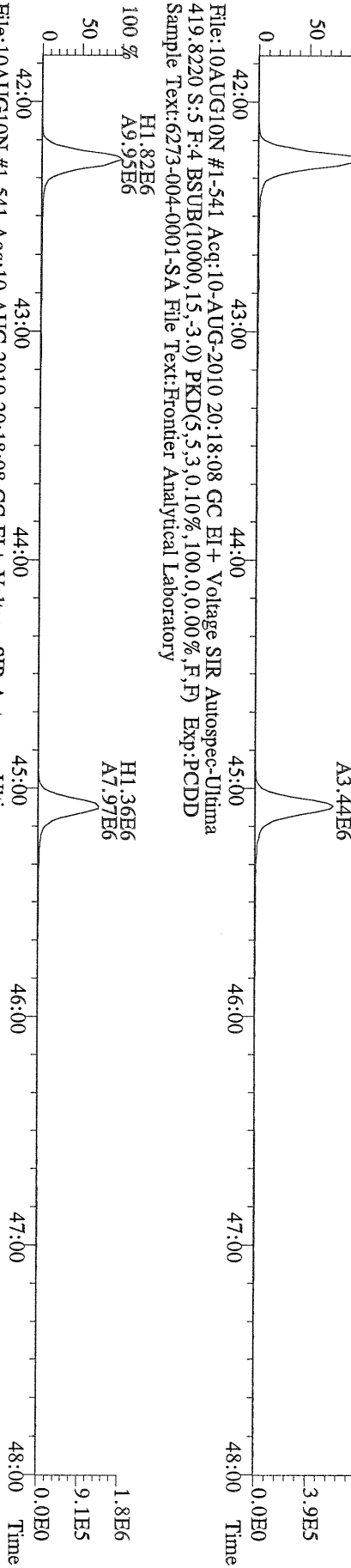
File:10AUG10N #1-477 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Utima  
 445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



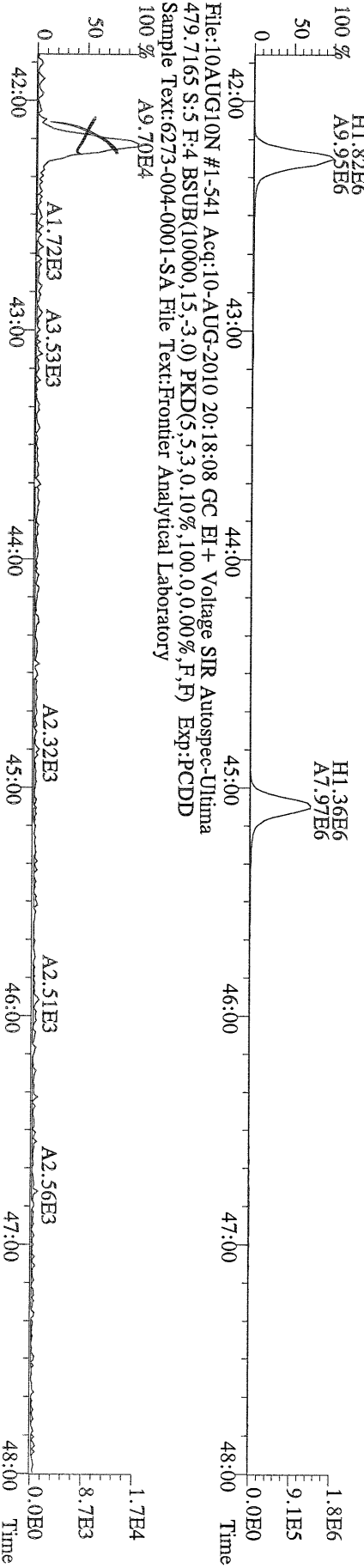
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



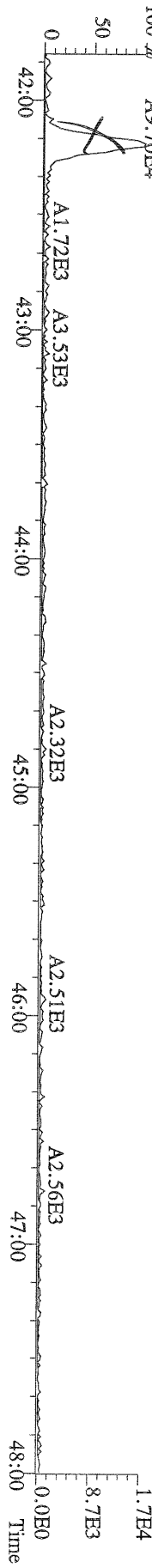
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



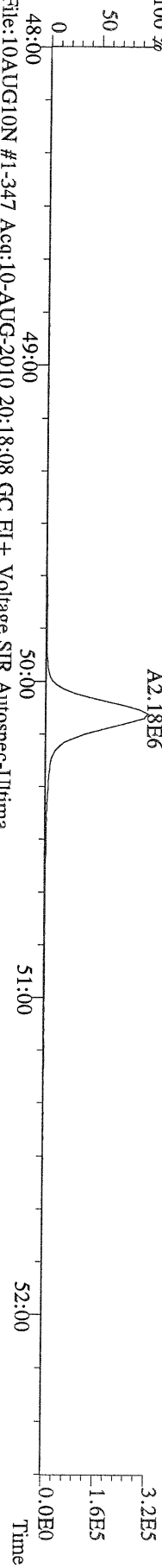
File:10AUG10N #1-541 Acq:10-AUG-2010 20:18:08 GC EI + Voltage SIR Autospec-Utima  
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory



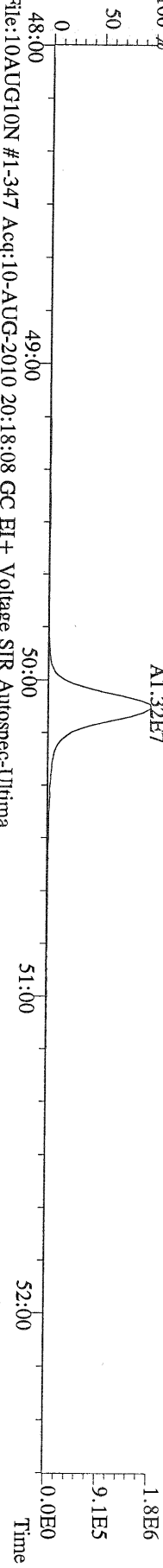
File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



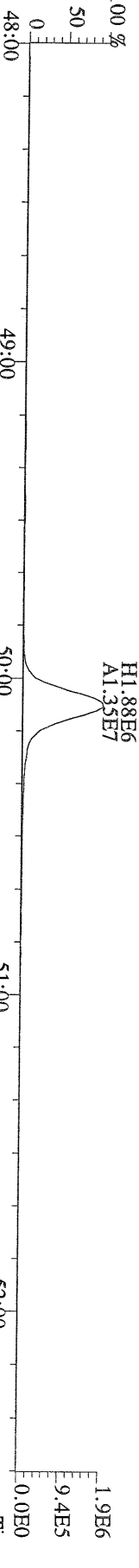
File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



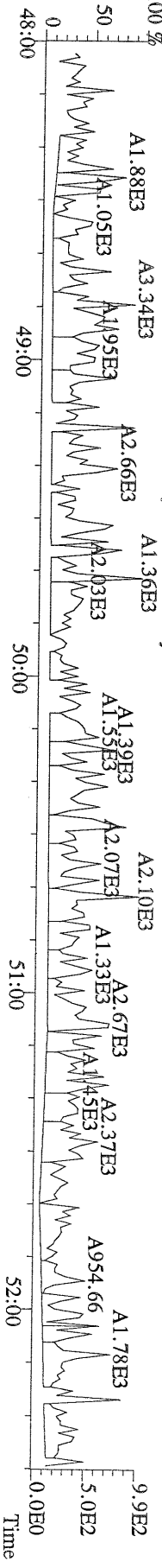
File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory




File:10AUG10N #1-347 Acq:10-AUG-2010 20:18:08 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-004-0001-SA File Text:Frontier Analytical Laboratory  
100 %



FAL ID: 6273-005-0001-SA      Filename: 10AUG10N      Sam:14      Acquired: 11-AUG-10 04:36:18      ICal: PCDDFAL3-5-12-10  
 Client ID: PSB06-0-0.5-072810      ConCal: ST081010N1      EndCal: ST081010N2  
 Results: 6273      GC Column: db5      Amount: 4.010

NATO 1989 Tox: 81.2  
 WHO 1998 Tox: 82.6      WHO 2005 Tox: 85.0 *96.3*

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	
2,3,7,8-TCDD	7.94e+04	0.67 y	27:26	1.04	1.71		2.50	-	-	*	
1,2,3,7,8-PeCDD	4.21e+05	1.47 y	33:16	1.05	10.1		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	7.24e+05	1.40 y	38:37	1.30	18.5		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	3.43e+06	1.40 y	38:47	1.28	97.6		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	1.68e+06	1.37 y	39:14	1.25	46.7		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	1.58e+08	1.02 y	44:13	1.35	4180		2.50	-	-	*	
OCDD	*	* n	NotFnd	1.25	* <i>41,200</i> *		2.50	-	-	*	
2,3,7,8-TCDF	7.20e+04	0.66 y	26:40	1.62	0.696	J	2.50	-	-	*	
1,2,3,7,8-PeCDF	6.67e+04	1.36 y	31:31	0.92	1.23	J	2.50	-	-	*	
2,3,4,7,8-PeCDF	1.05e+05	1.48 y	32:52	0.94	1.94	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	4.30e+05	1.23 y	37:14	0.93	8.68		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	3.65e+05	1.19 y	37:26	0.84	7.12		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	5.96e+05	1.24 y	38:22	0.90	12.4		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	8.74e+04	1.33 y	39:52	0.98	1.84	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	3.24e+07	1.07 y	42:18	1.38	799		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	8.34e+05	1.11 y	45:08	1.62	20.3		2.50	-	-	*	
OCDF	9.41e+07	0.88 y	50:10	0.74	4060		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.24e+07	0.82 y	27:25	0.93	529					106	
13C-1,2,3,7,8-PeCDD	1.99e+07	1.76 y	33:14	0.81	540					108	
13C-1,2,3,4,7,8-HxCDD	1.51e+07	1.26 y	38:36	0.95	541					108	
13C-1,2,3,6,7,8-HxCDD	1.37e+07	1.25 y	38:46	1.00	468					93.8	
13C-1,2,3,4,6,7,8-HpCDD	1.39e+07	0.99 y	44:11	0.92	514					103	
13C-OCDD	*	* n	NotFnd	0.63	*					* <i>76.5</i>	
13C-2,3,7,8-TCDF	3.19e+07	0.85 y	26:40	0.87	551					110	
13C-1,2,3,7,8-PeCDF	2.95e+07	1.67 y	31:31	0.81	550					110	
13C-2,3,4,7,8-PeCDF	2.87e+07	1.68 y	32:49	0.75	573					115	
13C-1,2,3,4,7,8-HxCDF	2.66e+07	0.53 y	37:12	1.74	520					104	
13C-1,2,3,6,7,8-HxCDF	3.05e+07	0.53 y	37:25	2.17	479					96.0	
13C-2,3,4,6,7,8-HxCDF	2.67e+07	0.52 y	38:20	1.82	499					100	
13C-1,2,3,7,8,9-HxCDF	2.40e+07	0.53 y	39:47	1.49	550					110	
13C-1,2,3,4,6,7,8,9-HpCDF	1.46e+07	0.43 y	42:18	1.10	453					90.9	
13C-1,2,3,4,7,8,9-HpCDF	1.26e+07	0.43 y	45:06	0.81	525					105	
13C-OCDF	3.12e+07	0.99 y	50:09	1.19	895					89.8	
37Cl-2,3,7,8-TCDD	8.87e+06		27:26	0.93	209					105	
13C-1,2,3,4-TCDD	2.28e+07	0.84 y	26:50	-	16.7						
13C-1,2,3,4-TCDF	3.32e+07	0.86 y	25:35	-	15.5						
13C-1,2,3,7,8,9-HxCDD	1.47e+07	1.25 y	39:12	-	17.0						
Total Tetra-Dioxins	1.59e+06		24:26	1.04	34.3		2.50	-	-	*	16
Total Penta-Dioxins	4.30e+06		30:17	1.05	103		2.50	-	-	*	10
Total Hexa-Dioxins	2.68e+07		36:09	1.27	735		2.50	-	-	*	8
Total Hepta-Dioxins	3.08e+08		42:49	1.35	8150		2.50	-	-	*	2
Total Tetra-Furans	2.58e+06		23:26	1.62	25.0		2.50	-	-	*	16
1st Fn. Tot Penta-Furans	1.83e+06		28:29	0.93	33.6		2.50	-	-	*	PeCDF 1
Total Penta-Furans	2.37e+06		30:06	0.93	43.6		2.50	-	-	*	77.2 / 10
Total Hexa-Furans	2.43e+07		35:17	0.90	497		2.50	-	-	*	10
Total Hepta-Furans	1.18e+08		42:18	1.48	2910		2.50	-	-	*	4

Analyst:  Date: 8/11/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 20 File: 10AUG10N S: 14 I: 1 F: 1  
Acquired: 11-AUG-10 04:36:18

Total Concentration: 34.3

Unnamed Concentration: 32.551

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:26	2.48e+04	3.64e+04	0.68 y	6.12e+04	1.32	
24:43	2.34e+04	3.54e+04	0.66 y	5.88e+04	1.27	
25:02	5.06e+04	6.36e+04	0.80 y	1.14e+05	2.46	
25:39	5.39e+04	6.40e+04	0.84 y	1.18e+05	2.54	
25:50	8.89e+04	1.22e+05	0.73 y	2.11e+05	4.53	
25:59	5.74e+04	7.62e+04	0.75 y	1.34e+05	2.87	
26:09	2.43e+04	3.24e+04	0.75 y	5.67e+04	1.22	
26:20	2.13e+04	3.03e+04	0.70 y	5.16e+04	1.11	
26:31	4.29e+04	6.21e+04	0.69 y	1.05e+05	2.26	
26:49	8.10e+04	1.12e+05	0.72 y	1.93e+05	4.15	
27:11	3.92e+04	5.12e+04	0.76 y	9.04e+04	1.94	
27:19	2.76e+04	3.62e+04	0.76 y	6.38e+04	1.37	
27:26	3.19e+04	4.75e+04	0.67 y	7.94e+04	1.71	2,3,7,8-TCDD
27:45	5.17e+04	6.95e+04	0.74 y	1.21e+05	2.61	
27:51	1.78e+04	2.05e+04	0.87 y	3.82e+04	0.822	
28:23	4.08e+04	5.60e+04	0.73 y	9.68e+04	2.08	



Totals class: Total Penta-Dioxins

Entry #: 39

Run: 20 File: 10AUG10N S: 14 I: 1 F: 2  
Acquired: 11-AUG-10 04:36:18

Total Concentration: 103

Unnamed Concentration: 92.751

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:17	4.41e+05	2.81e+05	1.57 y	7.23e+05	17.3	
30:53	3.35e+05	2.04e+05	1.64 y	5.39e+05	12.9	
31:31	1.52e+05	9.83e+04	1.55 y	2.50e+05	5.99	
31:44	2.84e+05	1.85e+05	1.54 y	4.69e+05	11.2	
31:52	1.86e+05	1.17e+05	1.59 y	3.03e+05	7.26	
32:10	5.15e+05	3.25e+05	1.58 y	8.40e+05	20.1	
32:39	1.45e+05	9.05e+04	1.60 y	2.36e+05	5.64	
33:16	2.51e+05	1.70e+05	1.47 y	4.21e+05	10.1	1,2,3,7,8-PeCDD
33:22	1.11e+05	7.67e+04	1.44 y	1.87e+05	4.48	
33:51	2.03e+05	1.25e+05	1.62 y	3.29e+05	7.86	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 20 File: 10AUG10N  
Acquired: 11-AUG-10 04:36:18

S: 14 I: 1 F: 3

Total Concentration: 735

Unnamed Concentration: 571.932

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:09	3.91e+06	2.85e+06	1.37 y	6.76e+06	184	
37:05	7.89e+05	5.60e+05	1.41 y	1.35e+06	36.7	
37:32	6.60e+06	4.72e+06	1.40 y	1.13e+07	308	
37:42	4.56e+05	3.24e+05	1.41 y	7.80e+05	21.2	
38:37	4.22e+05	3.01e+05	1.40 y	7.24e+05	18.5	1,2,3,4,7,8-HxCDD
38:47	2.00e+06	1.43e+06	1.40 y	3.43e+06	97.6	1,2,3,6,7,8-HxCDD
39:04	4.74e+05	3.36e+05	1.41 y	8.11e+05	22.1	
39:14	9.71e+05	7.09e+05	1.37 y	1.68e+06	46.7	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 20 File: 10AUG10N  
Acquired: 11-AUG-10 04:36:18

S: 14 I: 1 F: 4

Total Concentration: 8150

Unnamed Concentration: 3974.393

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:49	7.55e+07	7.48e+07	1.01 y	1.50e+08	3970	
44:13	7.97e+07	7.83e+07	1.02 y	1.58e+08	4180	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 20 File: 10AUG10N S: 14 I: 1 F: 1  
Acquired: 11-AUG-10 04:36:18

Total Concentration: 25.0

Unnamed Concentration: 24.293

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:26	4.55e+04	6.94e+04	0.66 y	1.15e+05	1.11	
23:50	2.41e+05	3.60e+05	0.67 y	6.01e+05	5.81	
24:13	6.93e+04	1.05e+05	0.66 y	1.74e+05	1.68	
24:29	7.22e+04	1.08e+05	0.67 y	1.80e+05	1.74	
24:46	1.43e+05	2.18e+05	0.66 y	3.60e+05	3.49	
24:59	2.52e+04	3.31e+04	0.76 y	5.83e+04	0.564	
25:22	3.24e+04	4.86e+04	0.67 y	8.10e+04	0.783	
25:29	1.38e+05	2.06e+05	0.67 y	3.45e+05	3.33	
25:36	5.92e+04	8.34e+04	0.71 y	1.43e+05	1.38	
25:57	3.07e+04	4.36e+04	0.70 y	7.43e+04	0.718	
26:11	2.19e+04	2.78e+04	0.79 y	4.97e+04	0.481	
26:18	1.68e+04	2.27e+04	0.74 y	3.96e+04	0.383	
26:35	3.09e+04	4.67e+04	0.66 y	7.75e+04	0.750	
26:40	2.87e+04	4.32e+04	0.66 y	7.20e+04	0.696	2,3,7,8-TCDF
27:00	4.17e+04	5.80e+04	0.72 y	9.97e+04	0.964	
28:30	4.54e+04	6.90e+04	0.66 y	1.14e+05	1.11	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 20      File: 10AUG10N      S: 14 I: 1 F: 1  
Acquired: 11-AUG-10 04:36:18

Total Concentration: 33.6      Unnamed Concentration: 33.636

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:29	1.14e+06	6.89e+05	1.65 y	1.83e+06	33.6	

Totals class: Total Penta-Furans

Entry #: 44

Run: 20 File: 10AUG10N S: 14 I: 1 F: 2  
Acquired: 11-AUG-10 04:36:18

Total Concentration: 43.6

Unnamed Concentration: 40.420

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:06	8.32e+04	5.35e+04	1.56 y	1.37e+05	2.52	
30:16	5.91e+05	4.24e+05	1.39 y	1.02e+06	18.7	
30:43	1.92e+04	1.45e+04	1.32 y	3.38e+04	0.622	
30:58	2.89e+05	2.02e+05	1.43 y	4.91e+05	9.04	
31:16	3.17e+04	2.05e+04	1.54 y	5.22e+04	0.962	
31:31	3.85e+04	2.83e+04	1.36 y	6.67e+04	1.23	1,2,3,7,8-PeCDF
31:52	9.90e+04	7.15e+04	1.38 y	1.71e+05	3.14	
32:43	3.53e+04	2.47e+04	1.43 y	6.00e+04	1.11	
32:52	6.28e+04	4.24e+04	1.48 y	1.05e+05	1.94	2,3,4,7,8-PeCDF
32:54	1.37e+05	9.74e+04	1.41 y	2.35e+05	4.32	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 20 File: 10AUG10N S: 14 I: 1 F: 3  
Acquired: 11-AUG-10 04:36:18

Total Concentration: 497

Unnamed Concentration: 467.118

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:17	8.22e+05	6.81e+05	1.21 y	1.50e+06	30.7	
35:32	3.64e+06	2.98e+06	1.22 y	6.62e+06	135	
36:09	1.11e+05	9.31e+04	1.19 y	2.04e+05	4.17	
36:27	7.97e+06	6.39e+06	1.25 y	1.44e+07	294	
37:04	5.00e+04	4.22e+04	1.18 y	9.22e+04	1.89	
37:14	2.37e+05	1.93e+05	1.23 y	4.30e+05	8.68	1,2,3,4,7,8-HxCDF
37:26	1.98e+05	1.67e+05	1.19 y	3.65e+05	7.12	1,2,3,6,7,8-HxCDF
37:52	3.12e+04	2.32e+04	1.35 y	5.44e+04	1.11	
38:22	3.30e+05	2.66e+05	1.24 y	5.96e+05	12.4	2,3,4,6,7,8-HxCDF
39:52	4.99e+04	3.75e+04	1.33 y	8.74e+04	1.84	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 20 File: 10AUG10N S: 14 I: 1 F: 4  
Acquired: 11-AUG-10 04:36:18

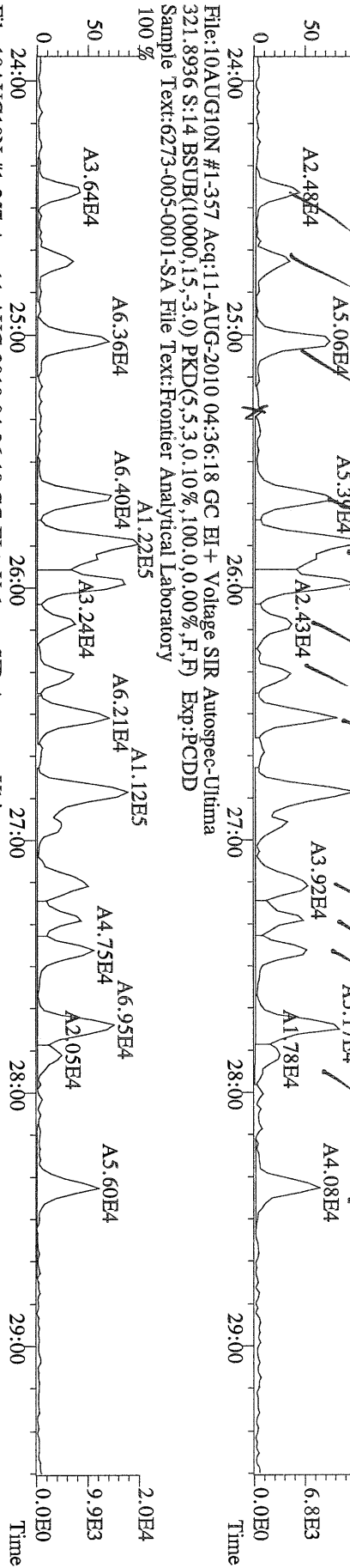
Total Concentration: 2910

Unnamed Concentration: 2089.141

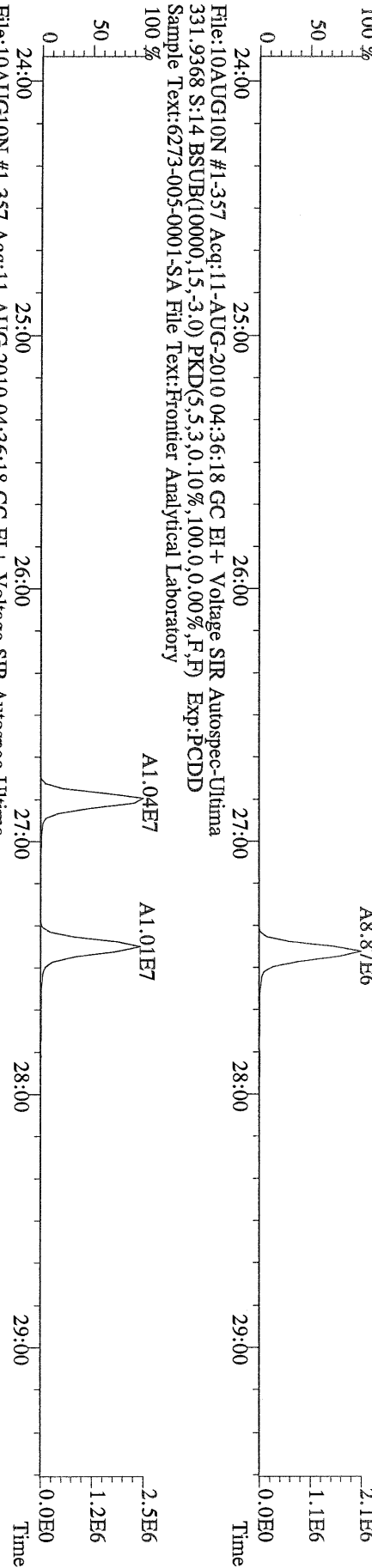
RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:18	1.68e+07	1.56e+07	1.07 y	3.24e+07	799	1,2,3,4,6,7,8-HpCDF
42:51	2.07e+05	2.01e+05	1.03 y	4.08e+05	10.1	
43:08	4.39e+07	4.03e+07	1.09 y	8.42e+07	2080	
45:08	4.38e+05	3.96e+05	1.11 y	8.34e+05	20.3	1,2,3,4,7,8,9-HpCDF



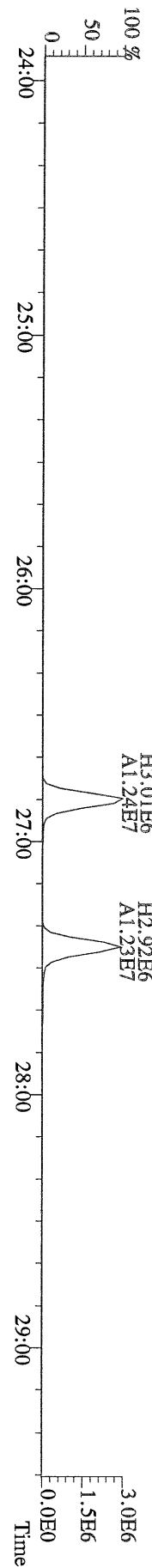
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI + Voltage SIR Autospec-Utima  
319.8965 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



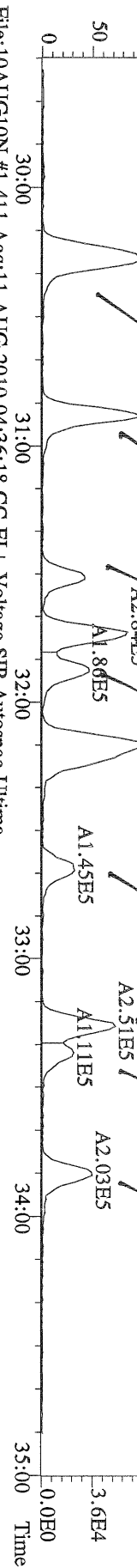
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI + Voltage SIR Autospec-Utima  
327.8847 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



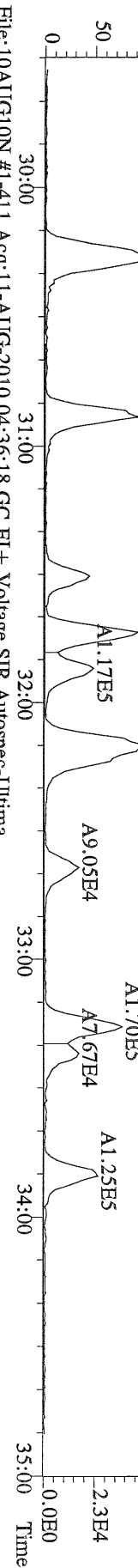
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI + Voltage SIR Autospec-Utima  
333.9339 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



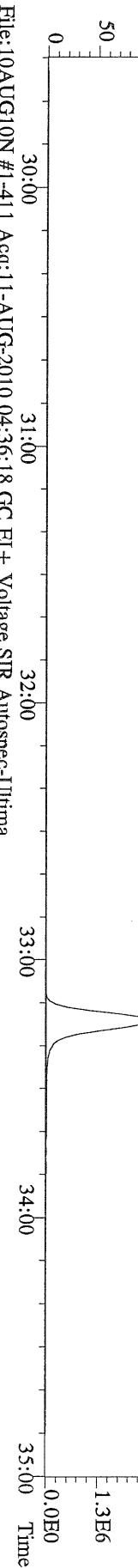
File:10AUG10N #1-411 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 355.8546 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



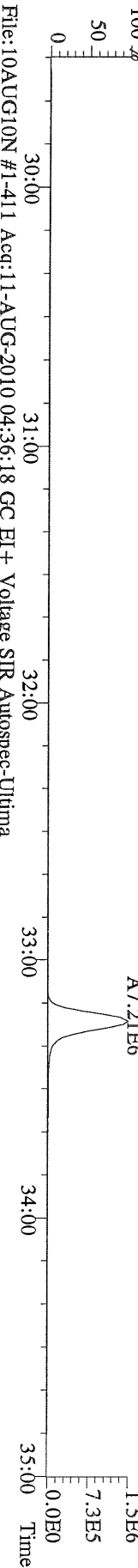
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 357.8517 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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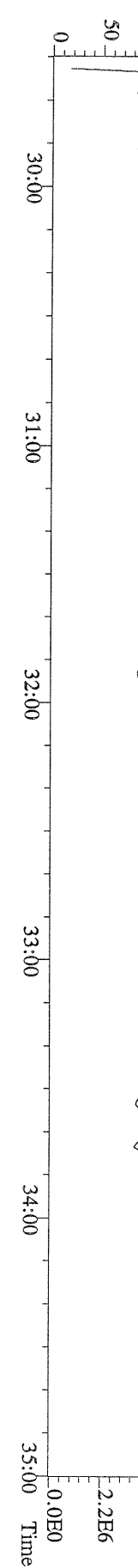
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 367.8949 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



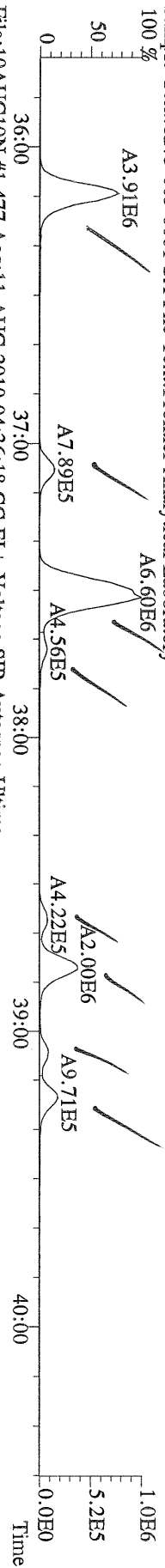
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 369.8919 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



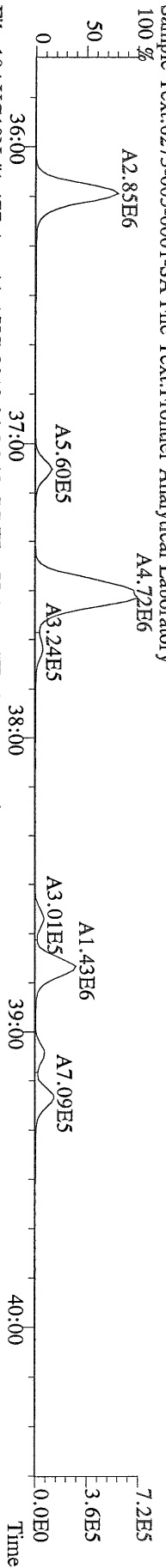
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 366.9792 S:14 F:2 Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



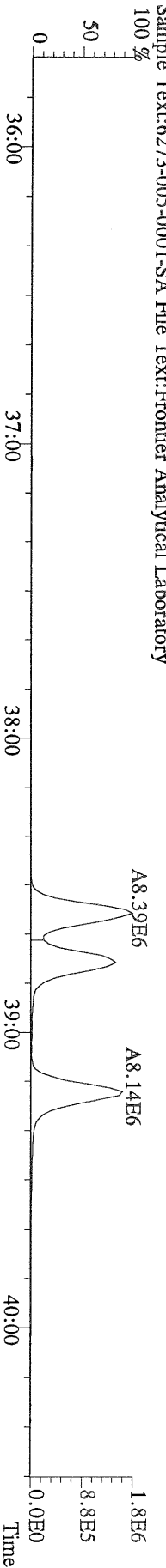
File:10AUG10N #1-477 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



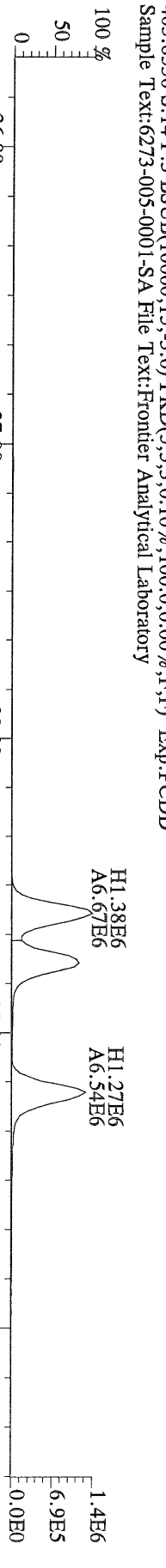
File:10AUG10N #1-477 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 391.8127 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



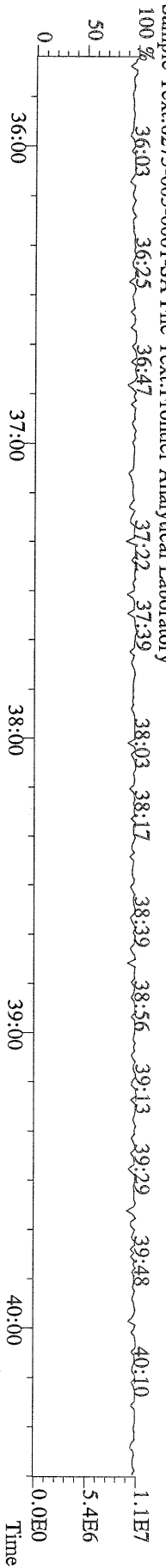
File:10AUG10N #1-477 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 401.8559 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



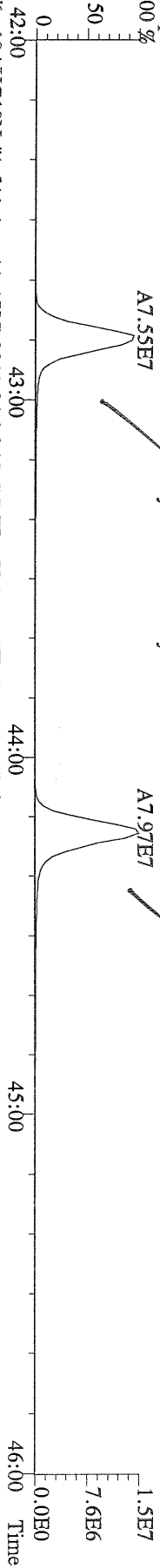
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 403.8530 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



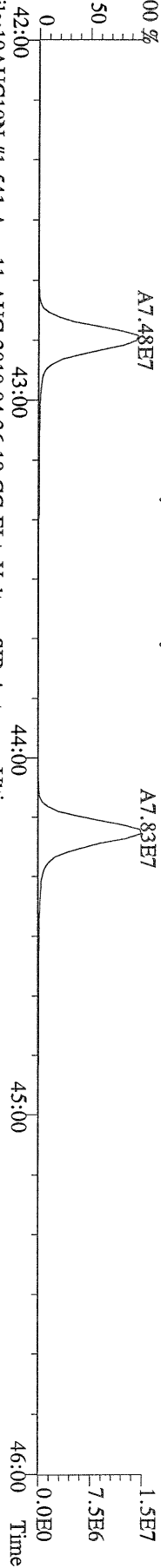
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 380.9760 S:14 F:3 Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



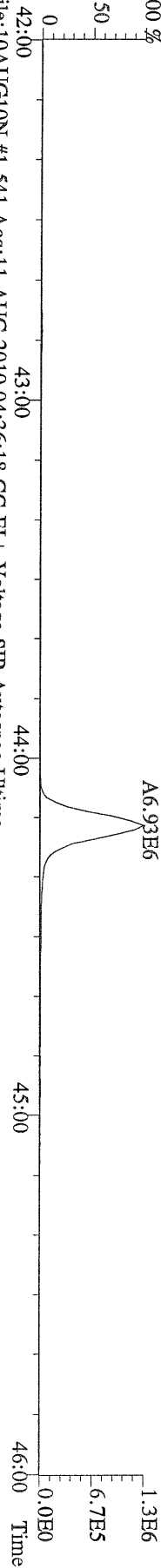
File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



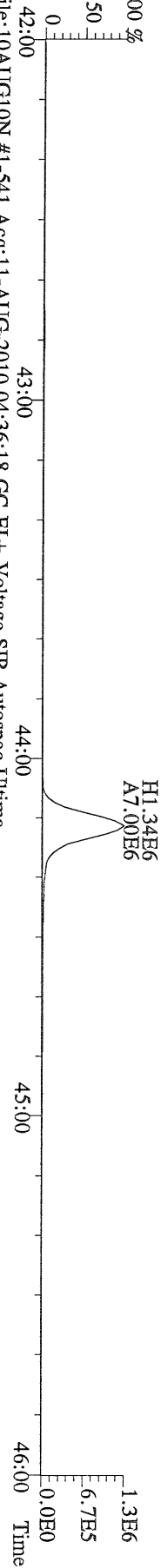
File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



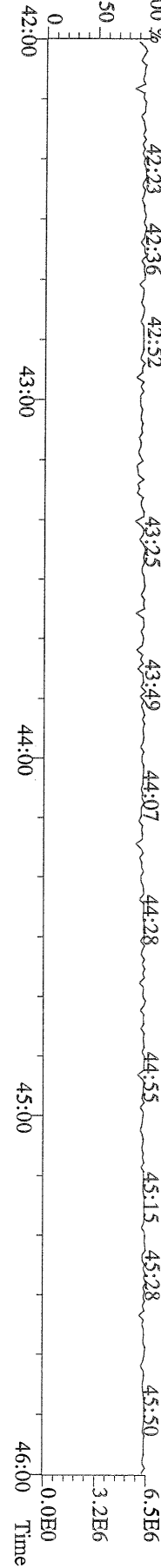
File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



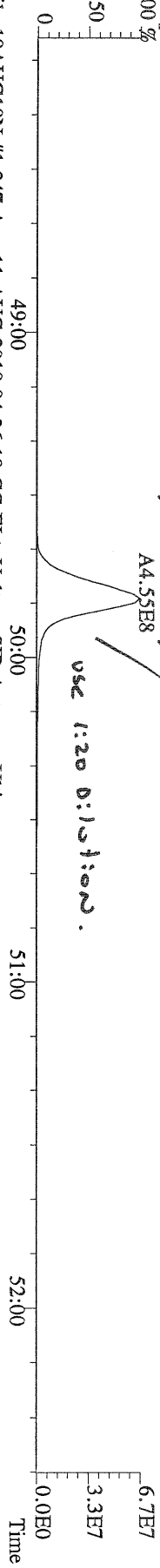
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437.8140 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



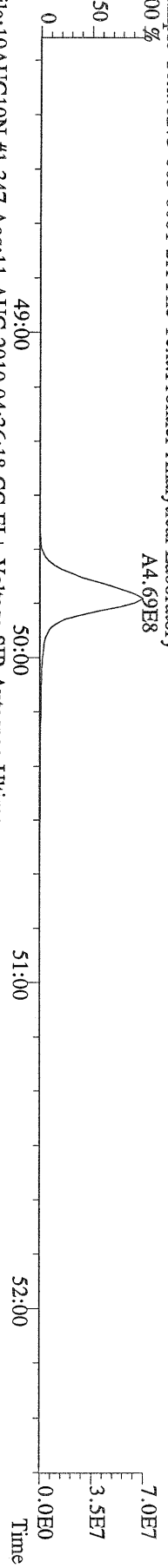
File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:14 F:4 Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



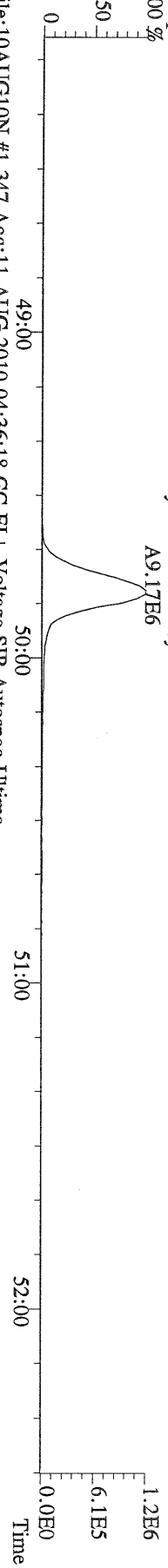
File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
457.7377 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



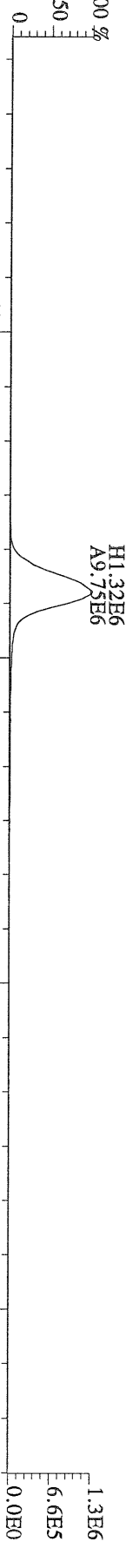
File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
459.7348 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



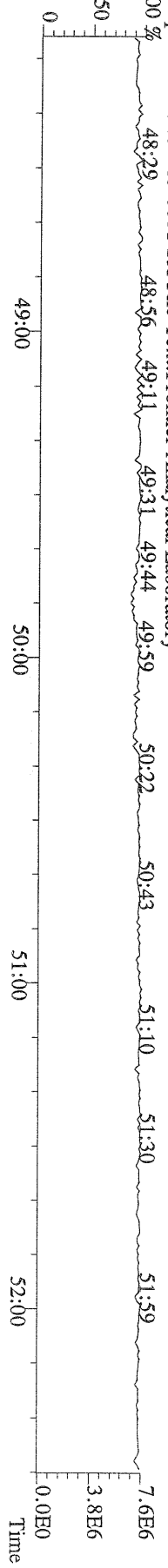
File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
469.7780 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
471.7750 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



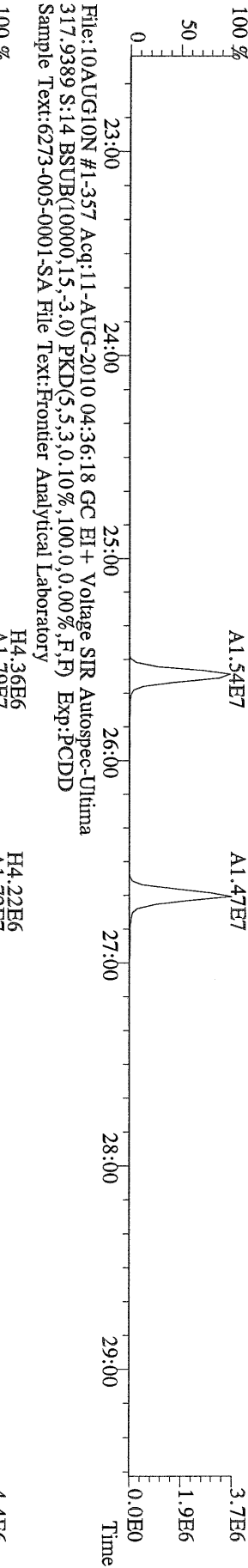
File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
454.9728 S:14 F:5 Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



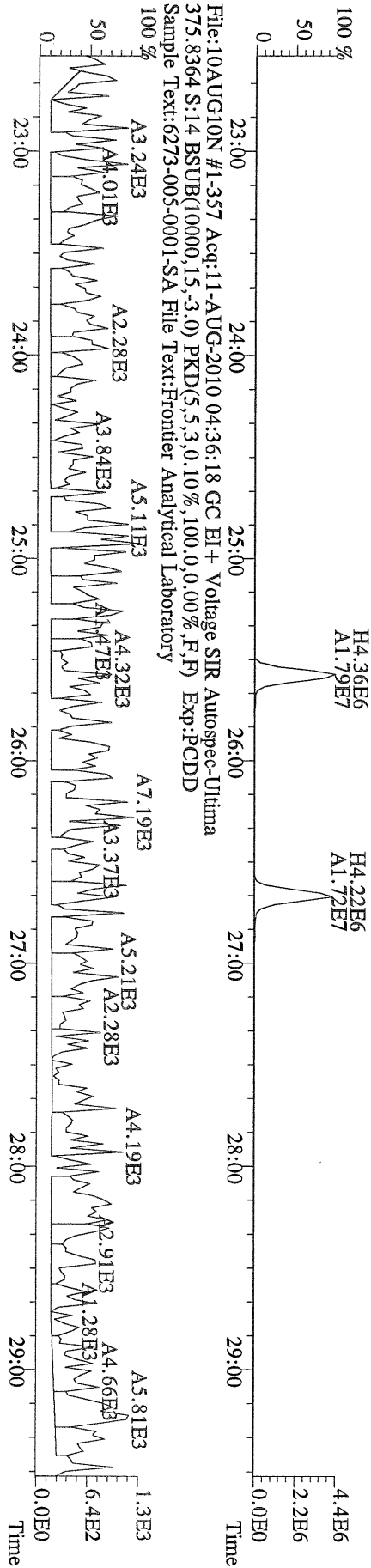
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
 303.9016 S:1.4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



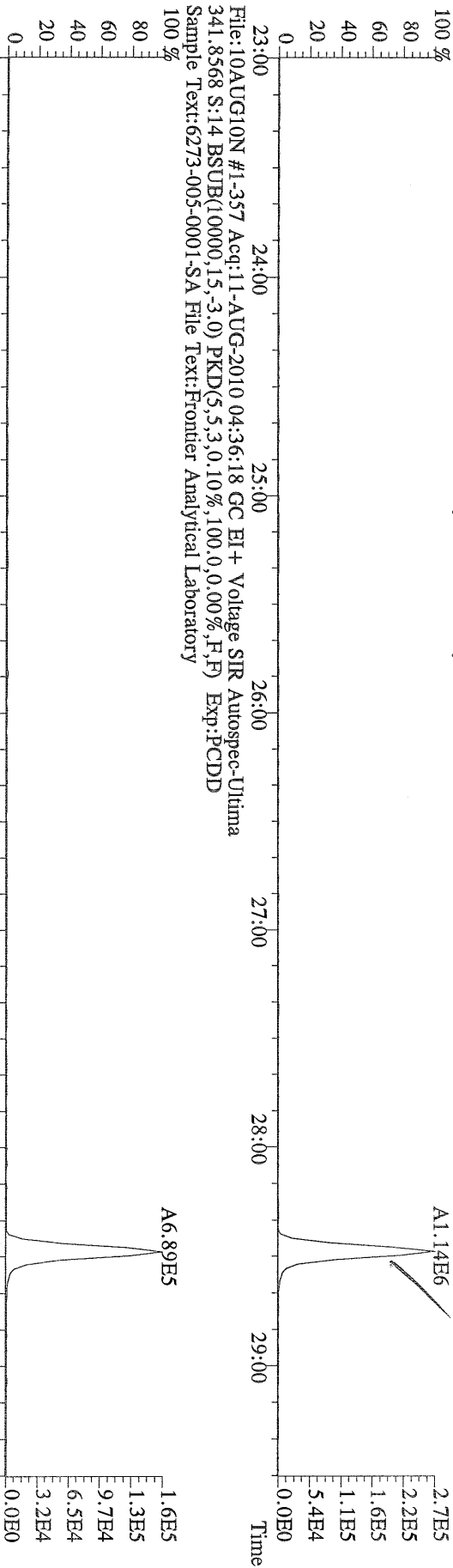
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
 315.9419 S:1.4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



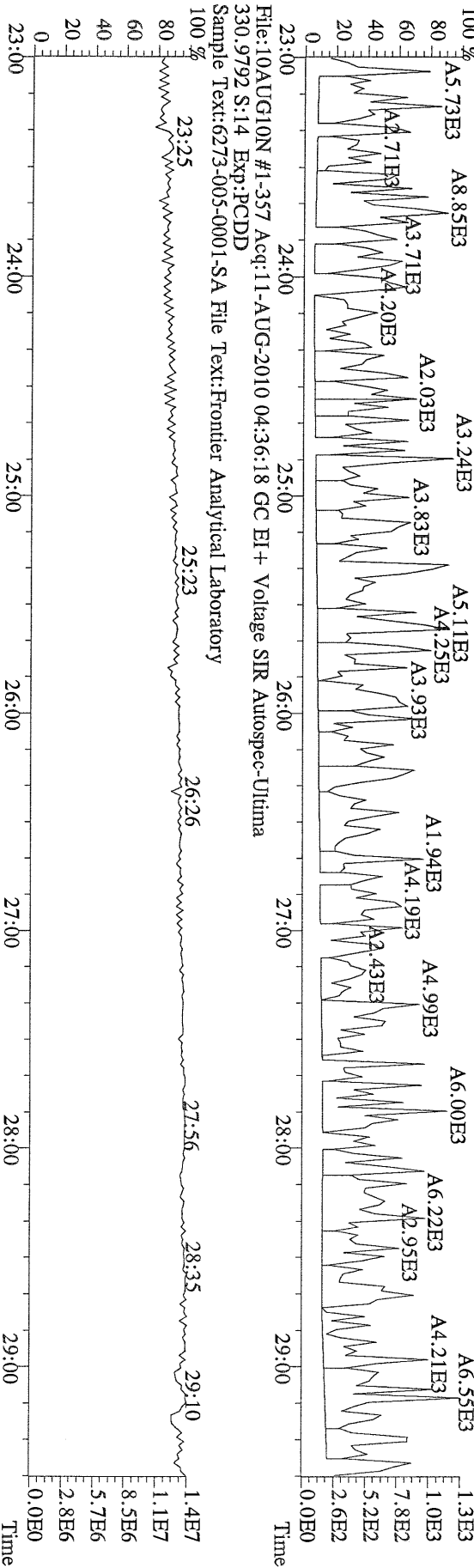
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Utima  
 375.8364 S:1.4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



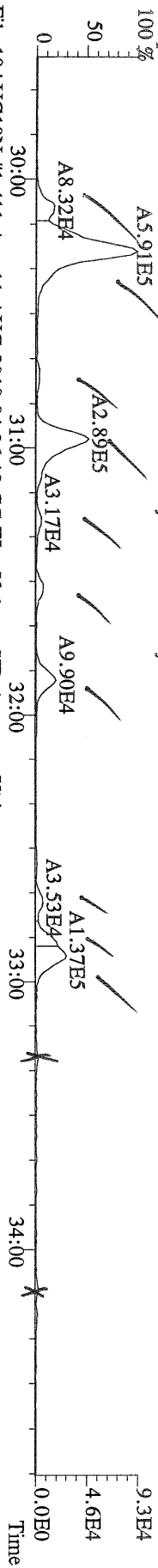
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



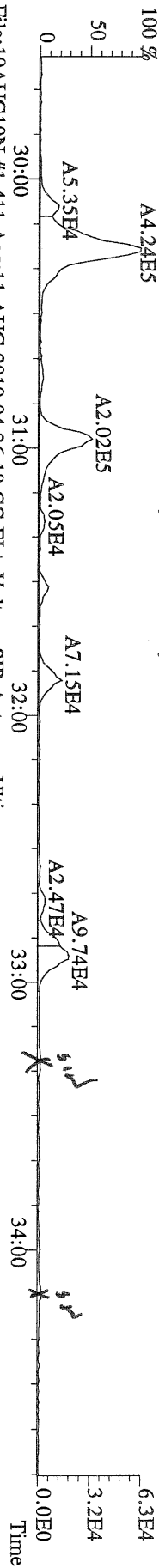
File:10AUG10N #1-357 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 330.9792 S:14 Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



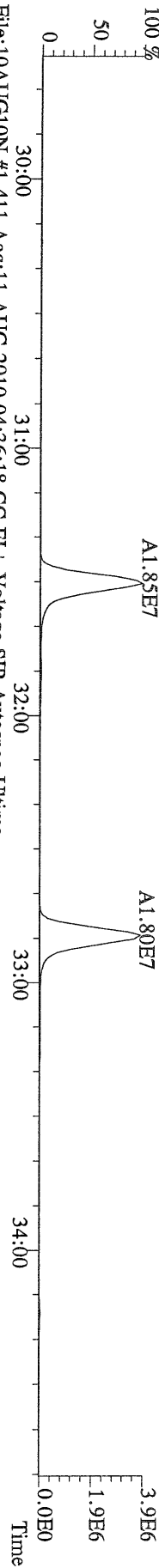
File:10AUG10N #1-411 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:14 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



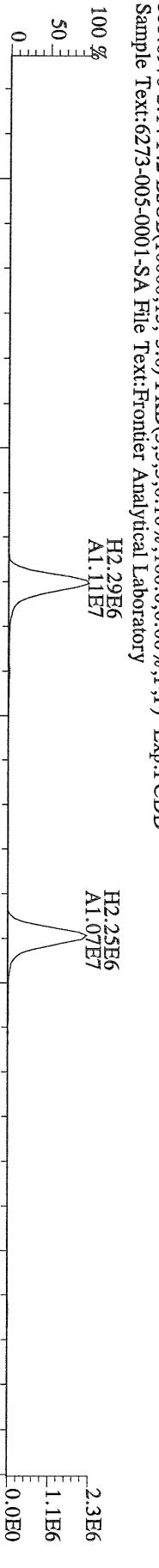
File:10AUG10N #1-411 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:14 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



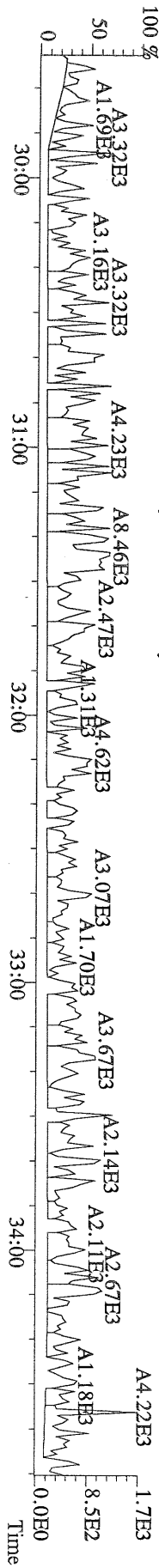
File:10AUG10N #1-411 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 351.9000 S:14 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-411 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 353.8970 S:14 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-411 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:14 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory

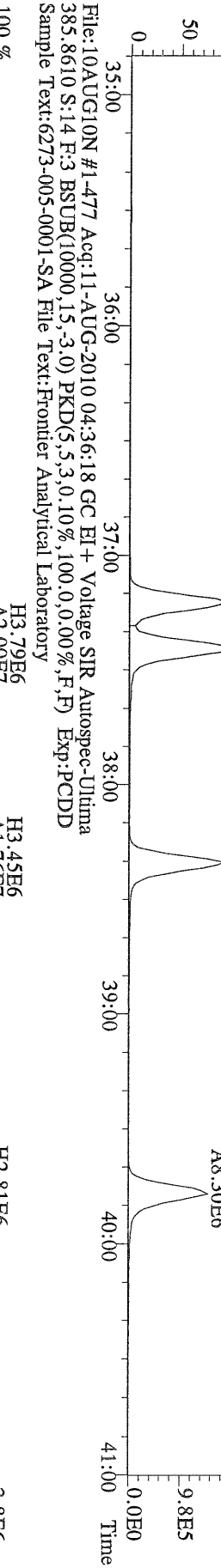




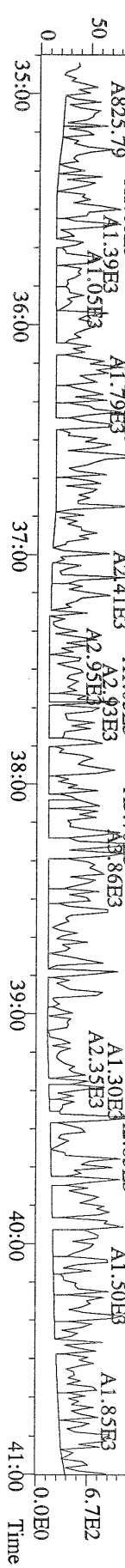
File:10AUG10N #1-477 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



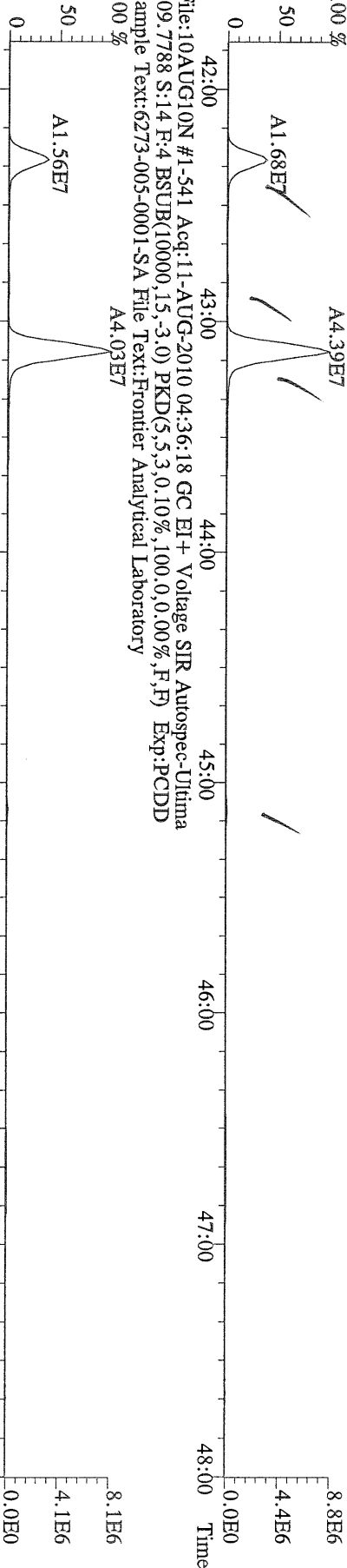
File:10AUG10N #1-477 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



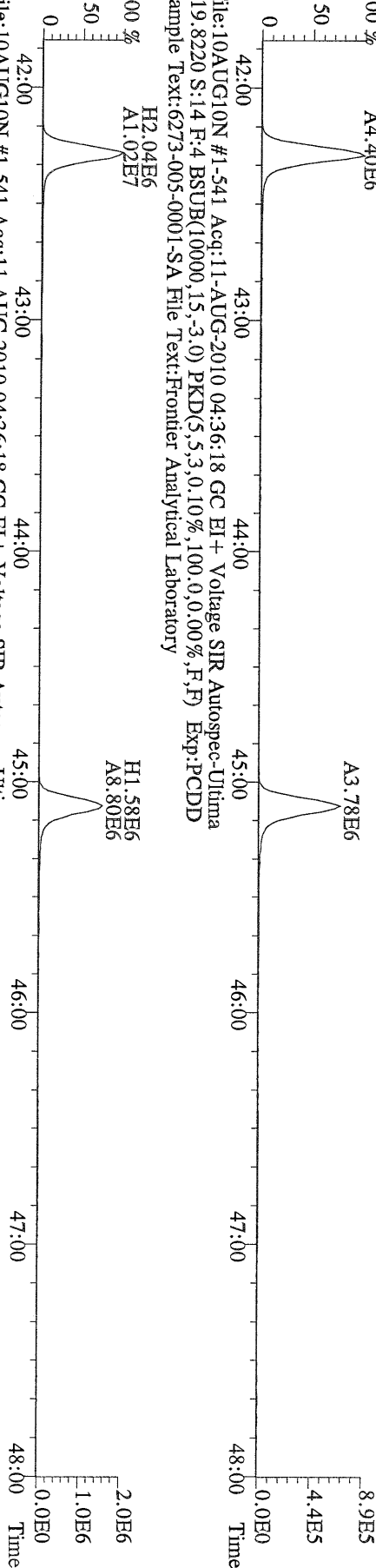
File:10AUG10N #1-477 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



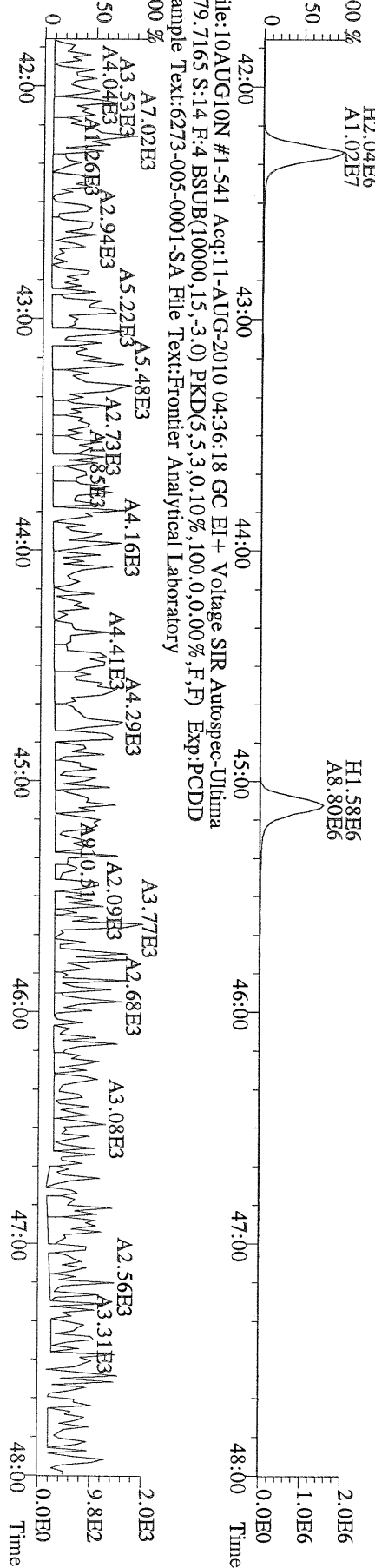
File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
407.7818 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
417.8253 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory

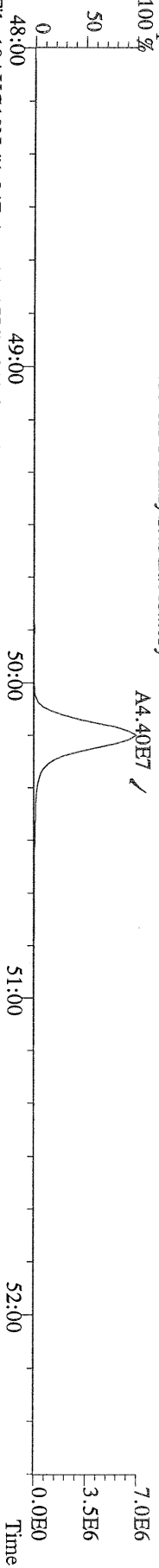


File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
419.8220 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory

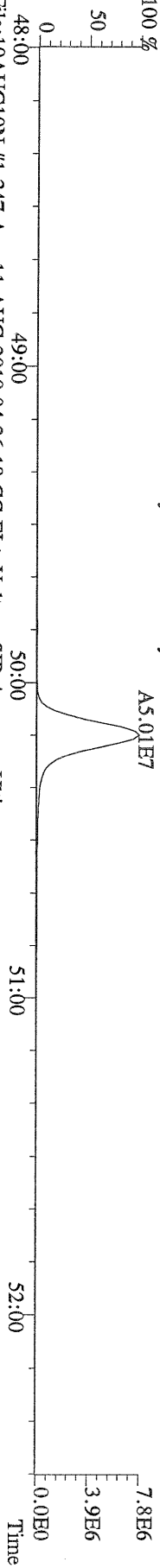


File:10AUG10N #1-541 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
479.7165 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory

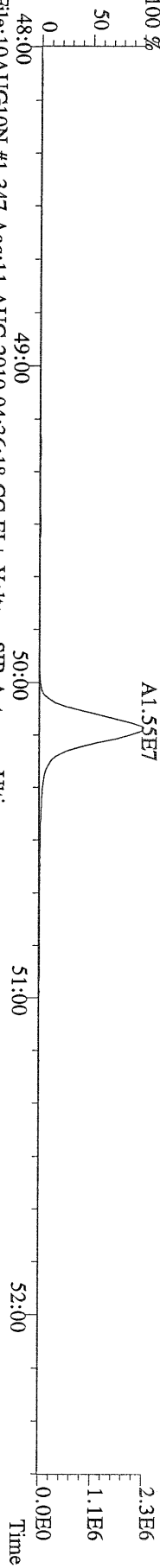
File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
100 %



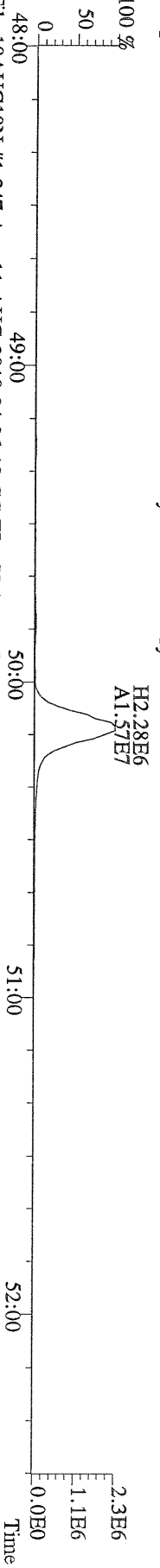
File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
100 %



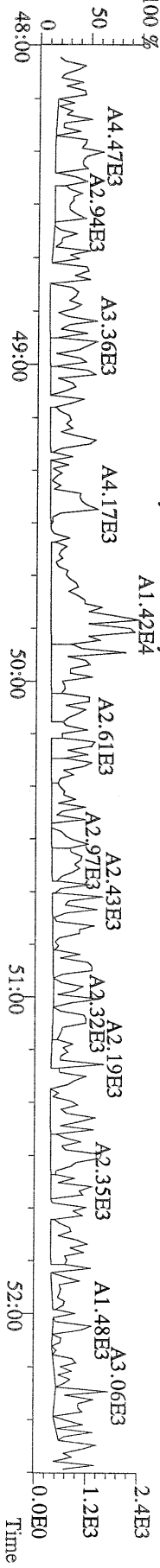
File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:11-AUG-2010 04:36:18 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



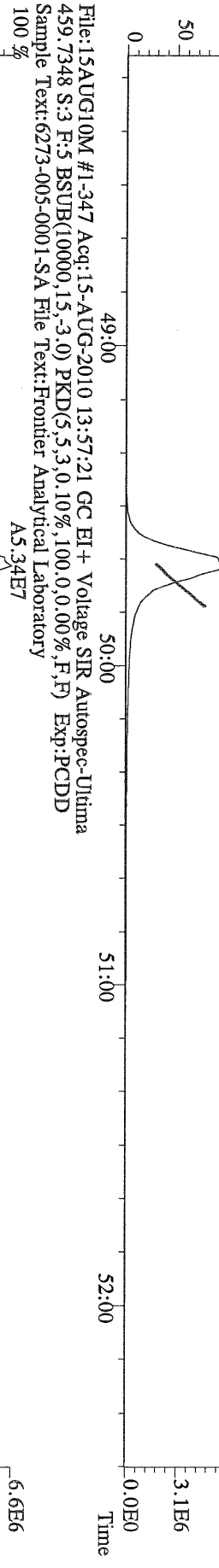
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513.6775 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory



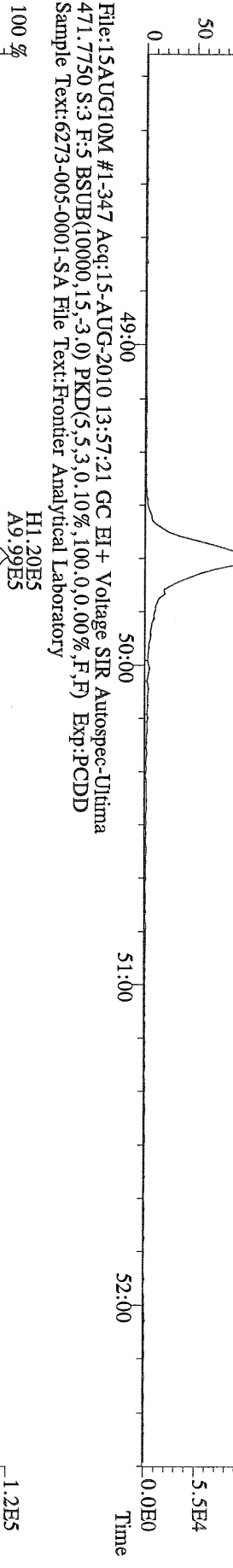




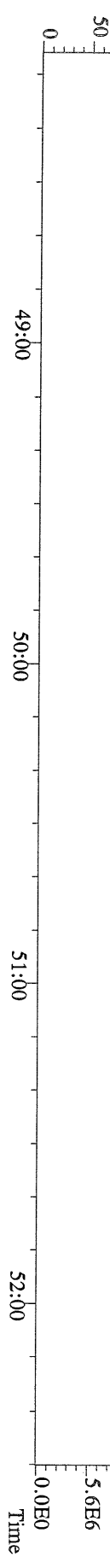
File:15AUG10M #1-347 Acq:15-AUG-2010 13:57:21 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:15AUG10M #1-347 Acq:15-AUG-2010 13:57:21 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:15AUG10M #1-347 Acq:15-AUG-2010 13:57:21 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
Sample Text:6273-005-0001-SA File Text:Frontier Analytical Laboratory  
100 %



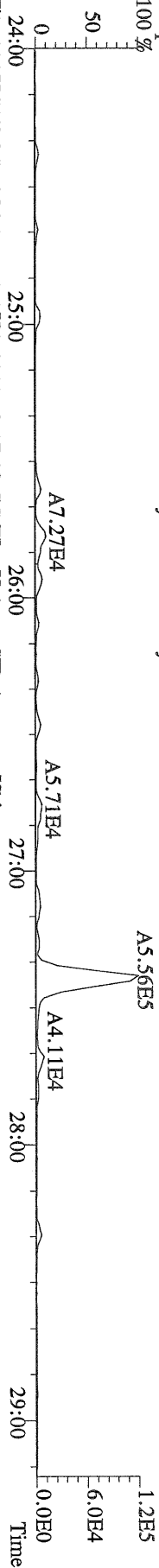
FAL ID: 6273-005-0002-MS      Filename: 11AUG10M      Sam:5      Acquired: 11-AUG-10 13:17:20      ICal: PCDDFAL3-5-12-10  
 Client ID: PSB06-0-0.5-072810      ConCal: ST081110M1      EndCal: ST081110M2  
 Results: 6273-10      GC Column: db5      Amount: 4.030

NATO 1989 Tox: 607  
 WHO 1998 Tox: 689      WHO 2005 Tox: 645

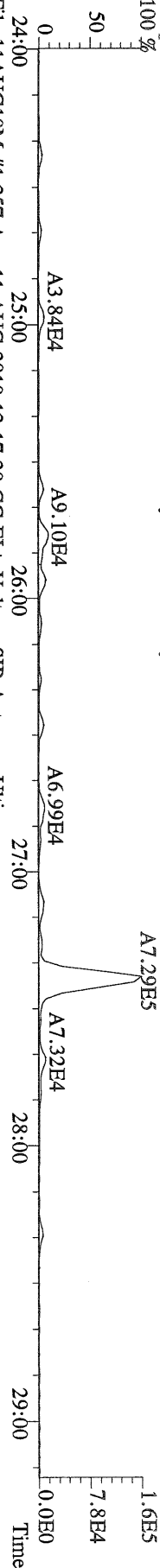
Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	1.29e+06	0.76 y	27:23	1.04	50.3		2.50	-	*		
1,2,3,7,8-PeCDD	6.86e+06	1.57 y	33:13	1.05	249		2.50	-	*		
1,2,3,4,7,8-HxCDD	6.76e+06	1.37 y	38:35	1.30	277		2.50	-	*		
1,2,3,6,7,8-HxCDD	8.39e+06	1.37 y	38:45	1.28	376		2.50	-	*		
1,2,3,7,8,9-HxCDD	7.17e+06	1.38 y	39:12	1.25	317		2.50	-	*		
1,2,3,4,6,7,8-HpCDD	1.19e+08	1.04 y	44:10	1.35	4190	+	2.50	-	*		
OCDD	7.85e+08	0.95 y	49:48	1.25	42800	+	2.50	-	*		
2,3,7,8-TCDF	3.11e+06	0.67 y	26:38	1.62	46.9		2.50	-	*		
1,2,3,7,8-PeCDF	8.61e+06	1.48 y	31:29	0.92	239		2.50	-	*		
2,3,4,7,8-PeCDF	8.94e+06	1.49 y	32:49	0.94	242		2.50	-	*		
1,2,3,4,7,8-HxCDF	9.06e+06	1.25 y	37:11	0.93	232		2.50	-	*		
1,2,3,6,7,8-HxCDF	9.33e+06	1.23 y	37:24	0.84	230		2.50	-	*		
2,3,4,6,7,8-HxCDF	8.52e+06	1.20 y	38:19	0.90	238		2.50	-	*		
1,2,3,7,8,9-HxCDF	8.15e+06	1.26 y	39:45	0.98	228		2.50	-	*		
1,2,3,4,6,7,8-HpCDF	4.11e+07	1.07 y	42:17	1.38	1270	+	2.50	-	*		
1,2,3,4,7,8,9-HpCDF	9.03e+06	1.02 y	45:05	1.62	266		2.50	-	*		
OCDF	1.02e+08	0.85 y	50:08	0.74	5040	+	2.50	-	*		
13C-2,3,7,8-TCDD	1.23e+07	0.81 y	27:22	0.93	520					105	
13C-1,2,3,7,8-PeCDD	1.31e+07	1.77 y	33:12	0.81	636					128	
13C-1,2,3,4,7,8-HxCDD	9.33e+06	1.23 y	38:33	0.95	512					103	
13C-1,2,3,6,7,8-HxCDD	8.66e+06	1.21 y	38:44	1.00	452					91.0	
13C-1,2,3,4,6,7,8-HpCDD	1.04e+07	0.99 y	44:10	0.92	586					118	
13C-OCDD	1.45e+07	0.94 y	49:46	0.63	1190					120	
13C-2,3,7,8-TCDF	2.03e+07	0.88 y	26:37	0.87	536					108	
13C-1,2,3,7,8-PeCDF	1.95e+07	1.69 y	31:27	0.81	553					111	
13C-2,3,4,7,8-PeCDF	1.94e+07	1.67 y	32:47	0.75	591					119	
13C-1,2,3,4,7,8-HxCDF	2.09e+07	0.52 y	37:11	1.74	623					126	
13C-1,2,3,6,7,8-HxCDF	2.41e+07	0.51 y	37:22	2.17	576					116	
13C-2,3,4,6,7,8-HxCDF	1.98e+07	0.51 y	38:18	1.82	567					114	
13C-1,2,3,7,8,9-HxCDF	1.80e+07	0.52 y	39:45	1.49	631					127	
13C-1,2,3,4,6,7,8-HpCDF	1.16e+07	0.44 y	42:15	1.10	550					111	
13C-1,2,3,4,7,8,9-HpCDF	1.04e+07	0.43 y	45:05	0.81	662					133	
13C-OCDF	2.72e+07	0.95 y	50:06	1.19	1190					120	
37Cl-2,3,7,8-TCDD	4.78e+06		27:23	0.93	202					102	
13C-1,2,3,4-TCDD	1.26e+07	0.83 y	26:48	-	9.23						
13C-1,2,3,4-TCDF	2.17e+07	0.88 y	25:31	-	10.1						
13C-1,2,3,7,8,9-HxCDD	9.56e+06	1.23 y	39:11	-	11.0						
Total Tetra-Dioxins	2.31e+06		22:48	1.04	90.3		2.50	-	*		26
Total Penta-Dioxins	9.28e+06		30:13	1.05	337		2.50	-	*		11
Total Hexa-Dioxins	3.52e+07		36:07	1.27	1530		2.50	-	*		16
Total Hepta-Dioxins	2.41e+08		42:48	1.35	8510		2.50	-	*		4
Total Tetra-Furans	4.97e+06		23:24	1.62	75.0		2.50	-	*		26
1st Fn. Tot Penta-Furans	1.40e+06		23:02	0.93	38.5		2.50	-	*	PeCDF	28
Total Penta-Furans	1.92e+07		30:04	0.93	526		2.50	-	*	564	13
Total Hexa-Furans	5.74e+07		35:14	0.90	1520		2.50	-	*		15
Total Hepta-Furans	1.38e+08		42:17	1.48	4200		2.50	-	*		4

Analyst: J      Date: 8/12/10

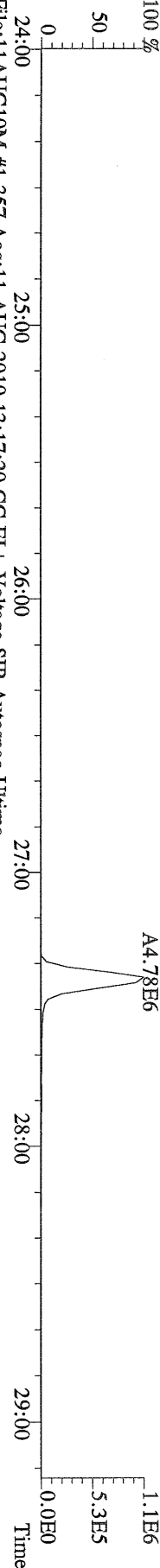
File:11AUG10M #1-357 Acq:11-AUG-2010 13:17:20 GC EI+ Voltage SIR Autospec-Ultima  
 319.8965 S.5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
 100 %



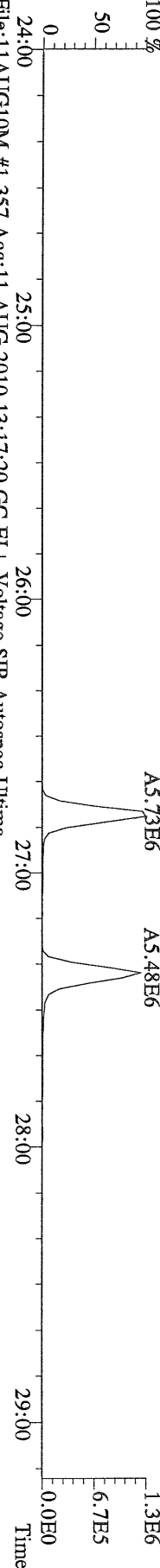
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 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
 100 %



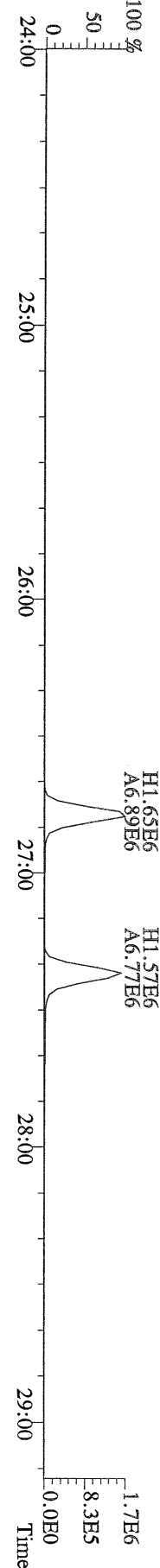
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 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
 100 %



File:11AUG10M #1-357 Acq:11-AUG-2010 13:17:20 GC EI+ Voltage SIR Autospec-Ultima  
 331.9368 S.5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
 100 %

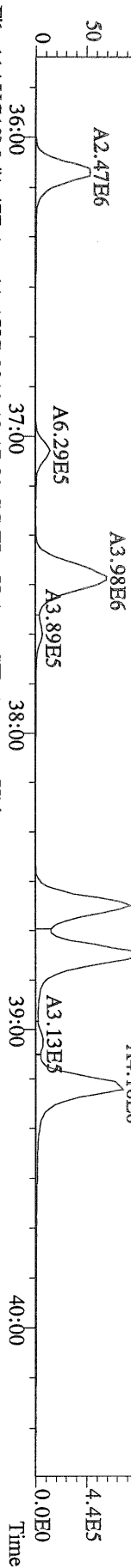


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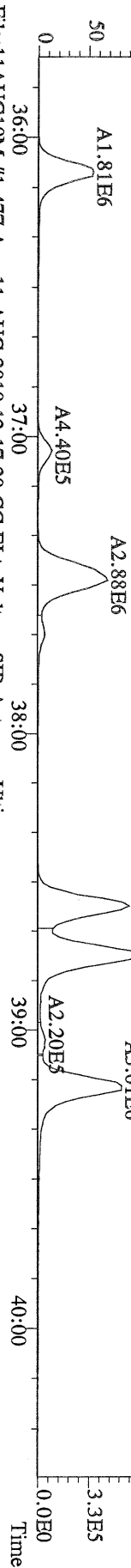




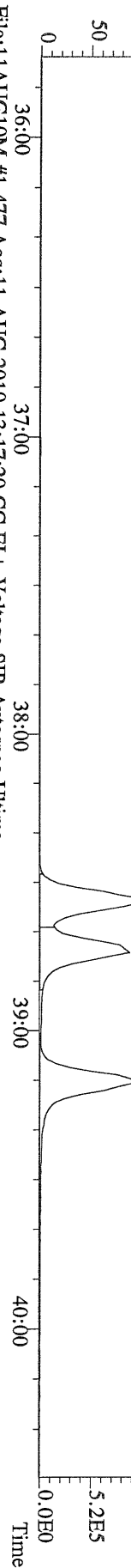
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 389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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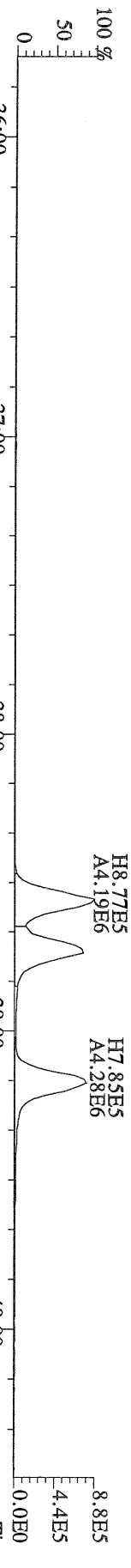
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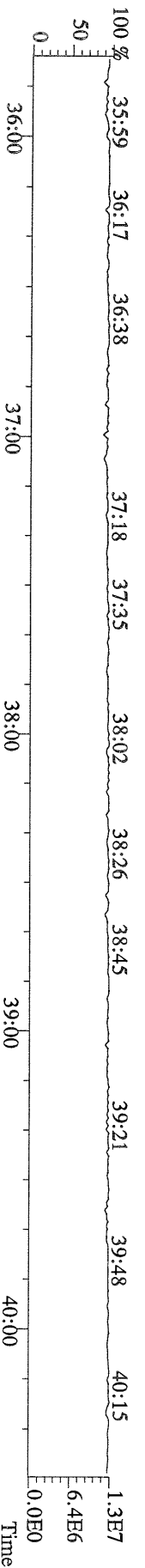
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 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



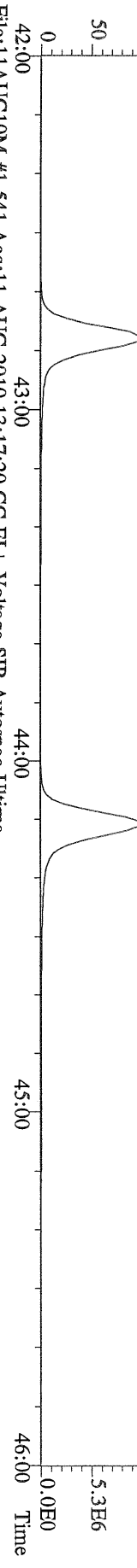
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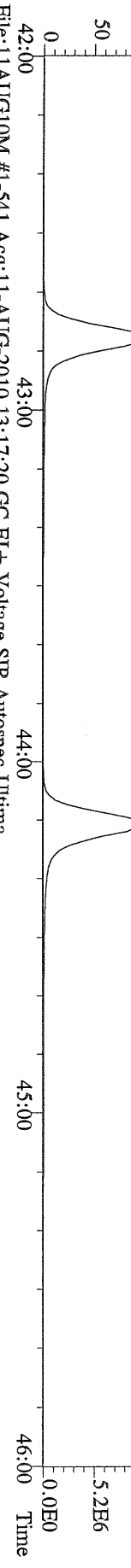
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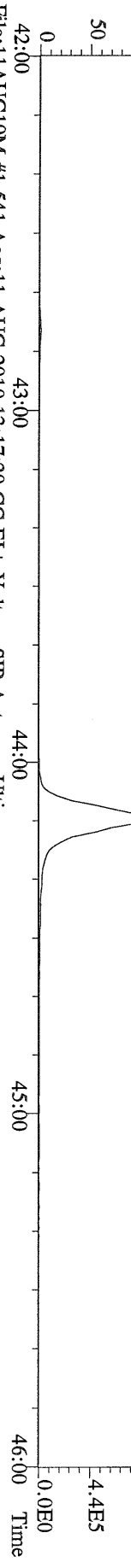
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423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



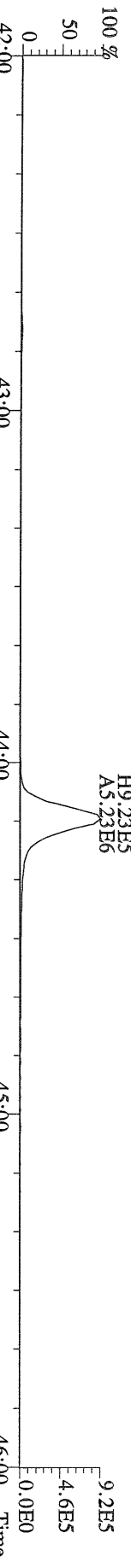
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425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



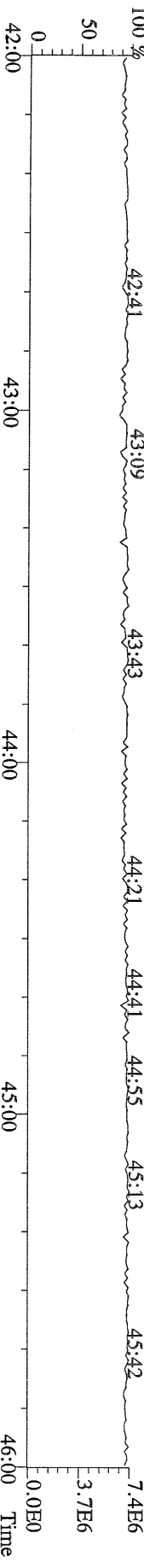
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435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



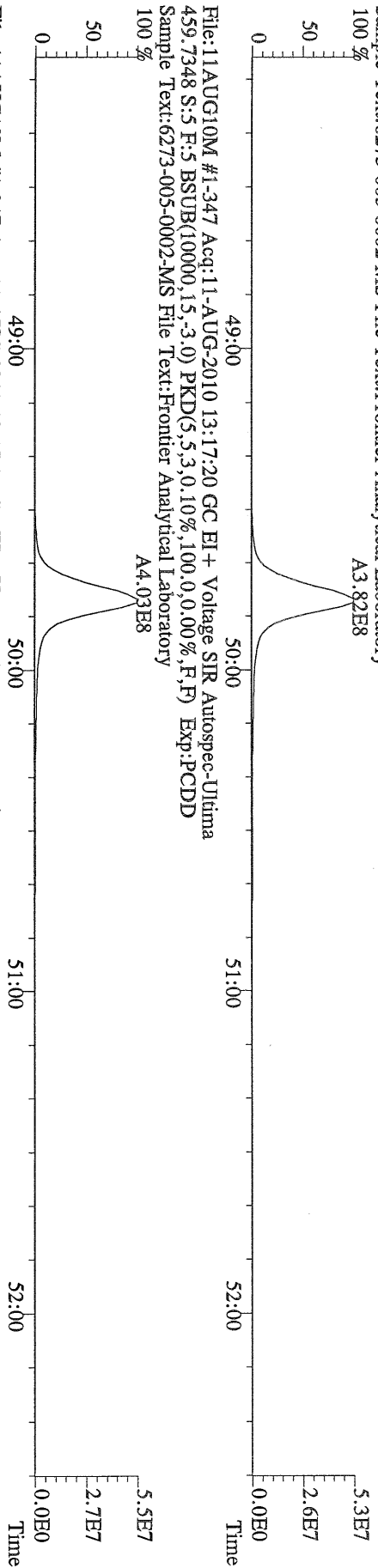
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437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
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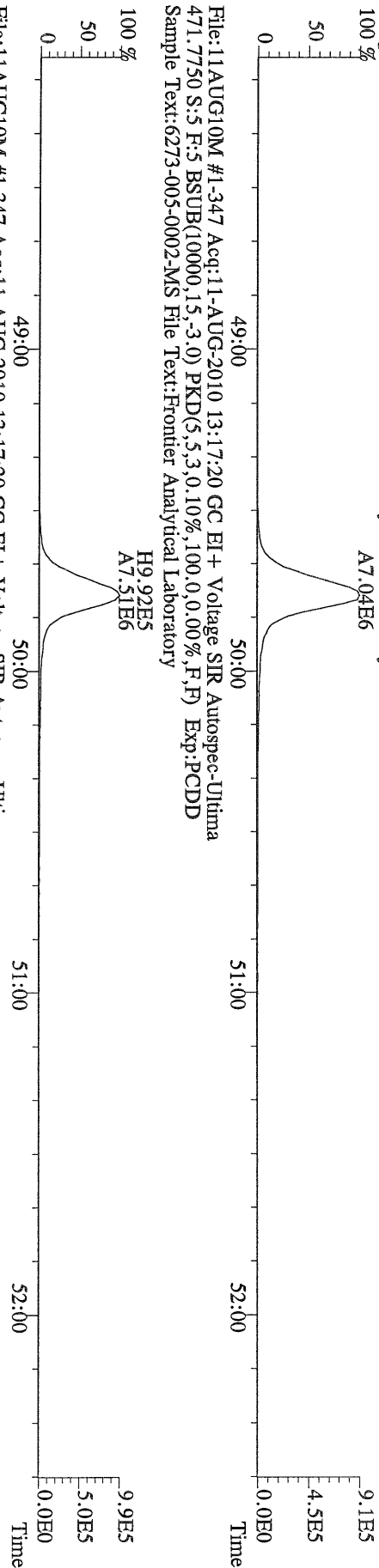
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Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



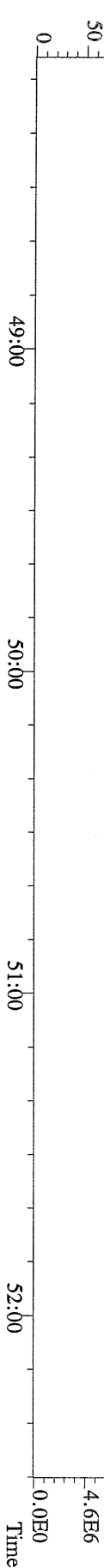
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457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
100 %  
A3.82E8



File:11AUG10M #1-347 Acq:11-AUG-2010 13:17:20 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
100 %  
A7.04E6



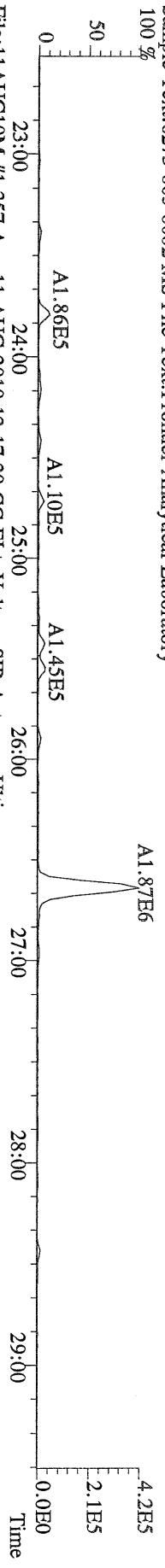
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100 %  
48:29 48:50 49:35 49:58 50:26 50:41 51:13 51:41 52:08 52:22



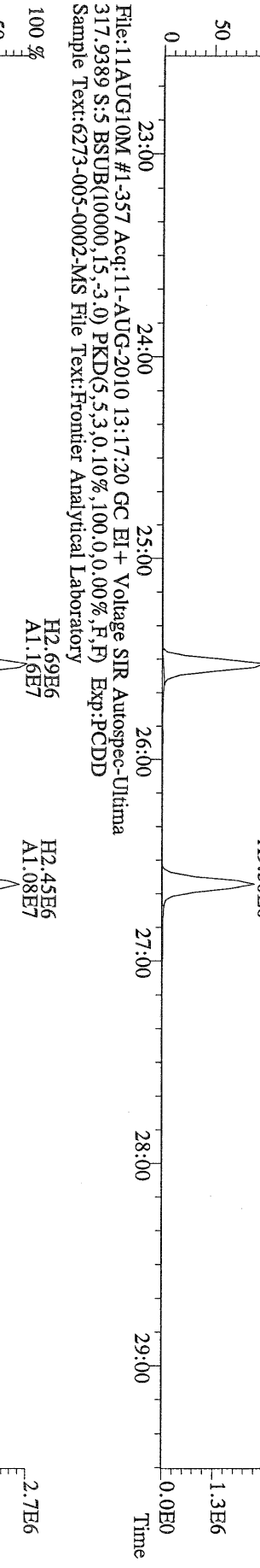
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 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



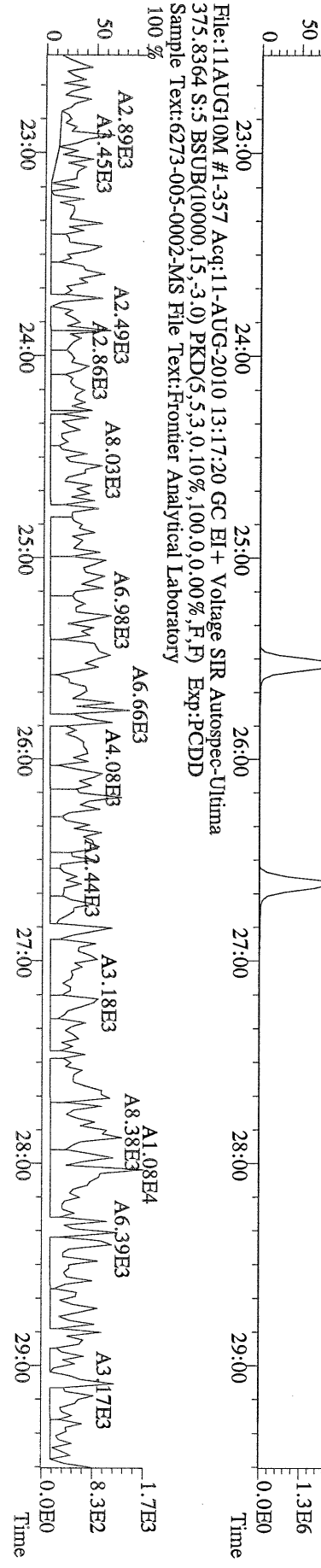
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 305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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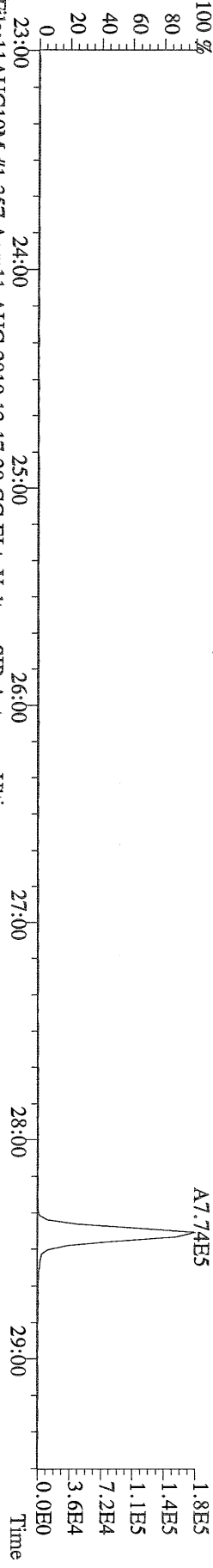
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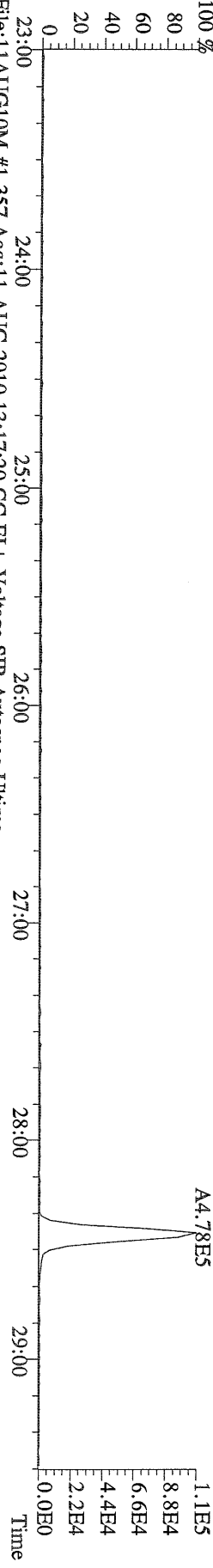
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 375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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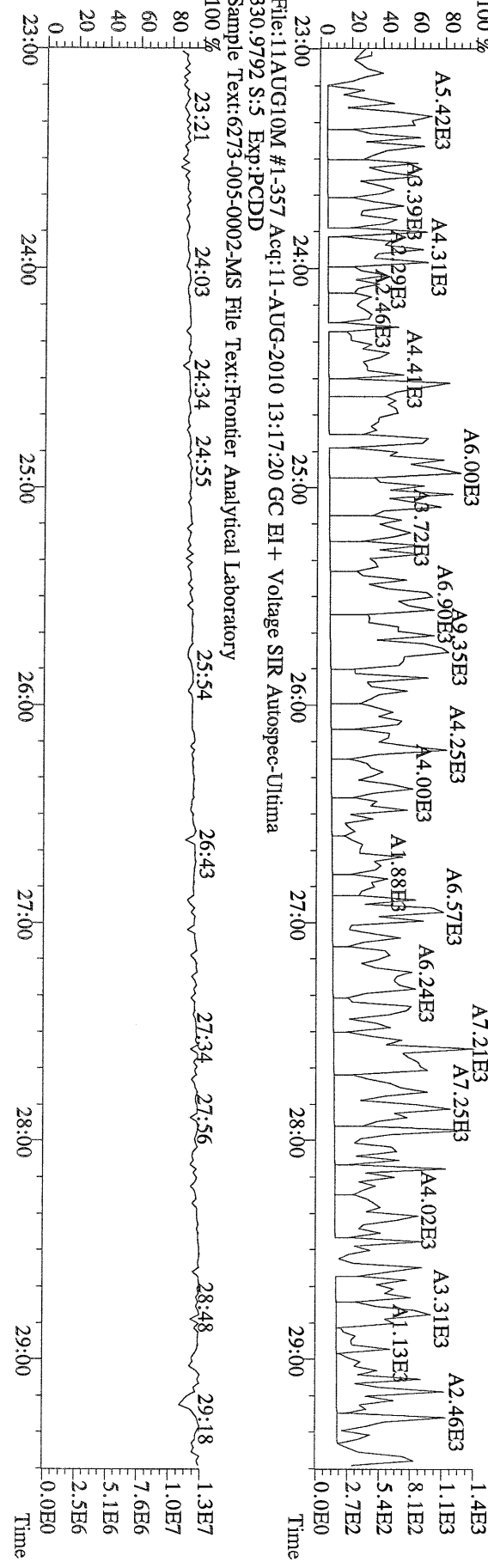
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 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



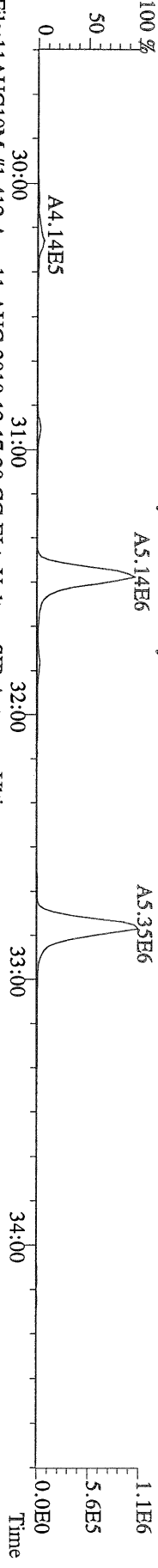
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 341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



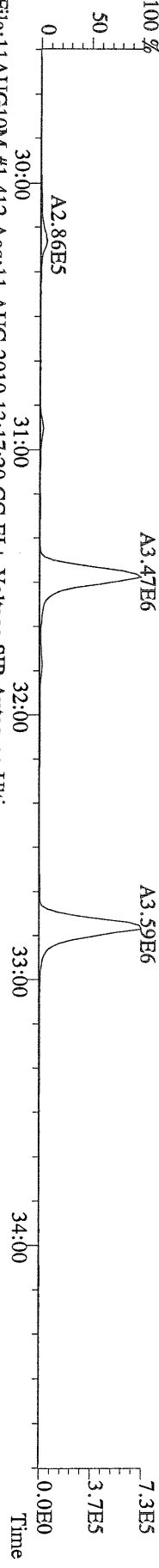
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 409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



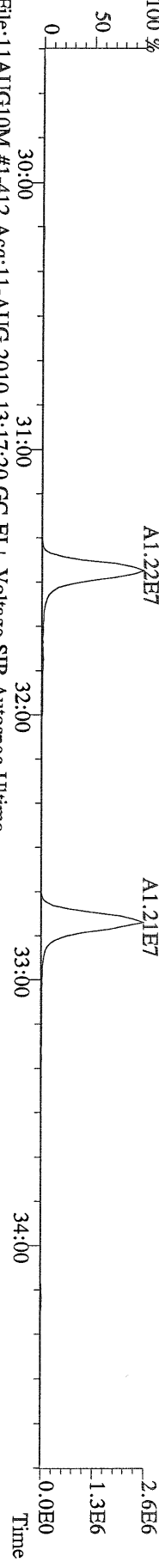
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339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



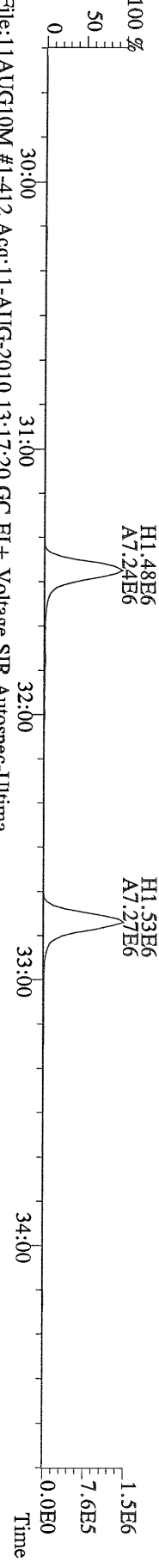
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Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



File:11AUG10M #1-412 Acq:11-AUG-2010 13:17:20 GC EI+ Voltage SIR Autospec-Ultima  
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



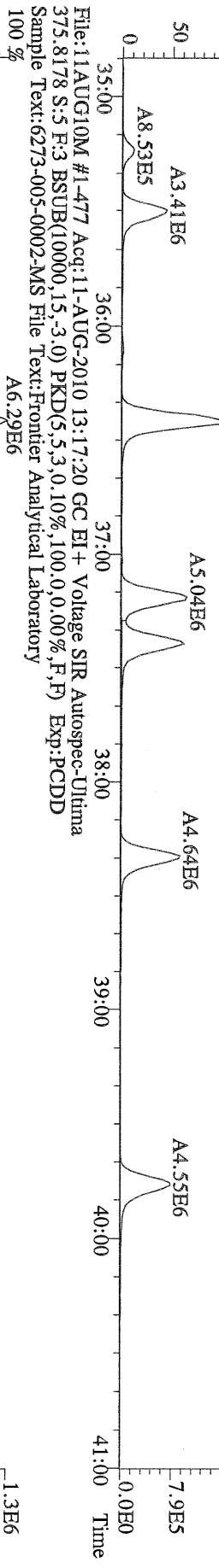
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Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



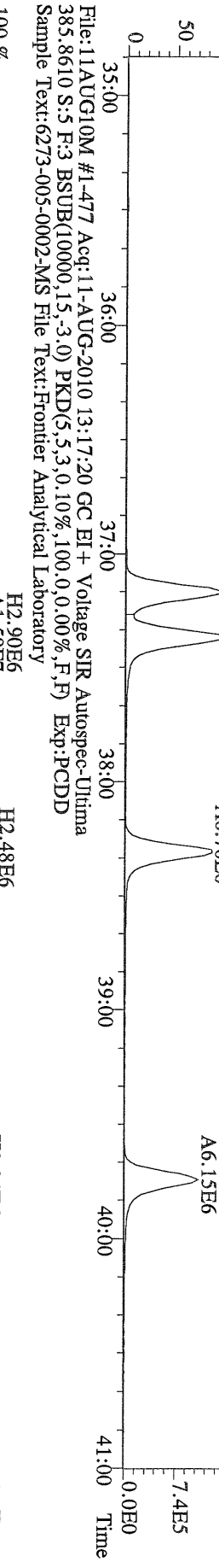
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Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



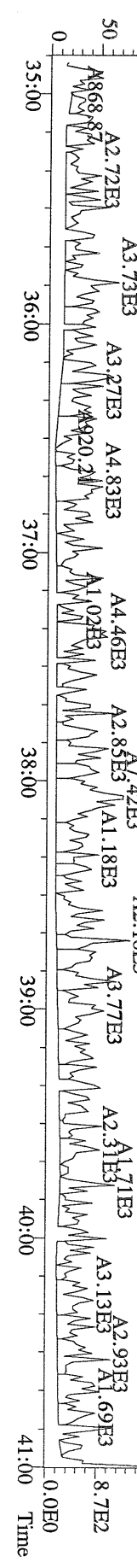
File:11AUG10M #1-477 Acq:11-AUG-2010 13:17:20 GC EI+ Voltage SIR Autospec-Utima  
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



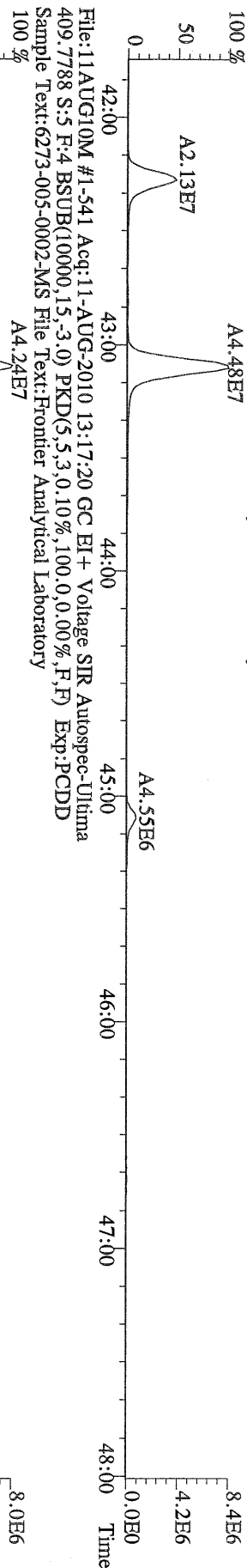
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383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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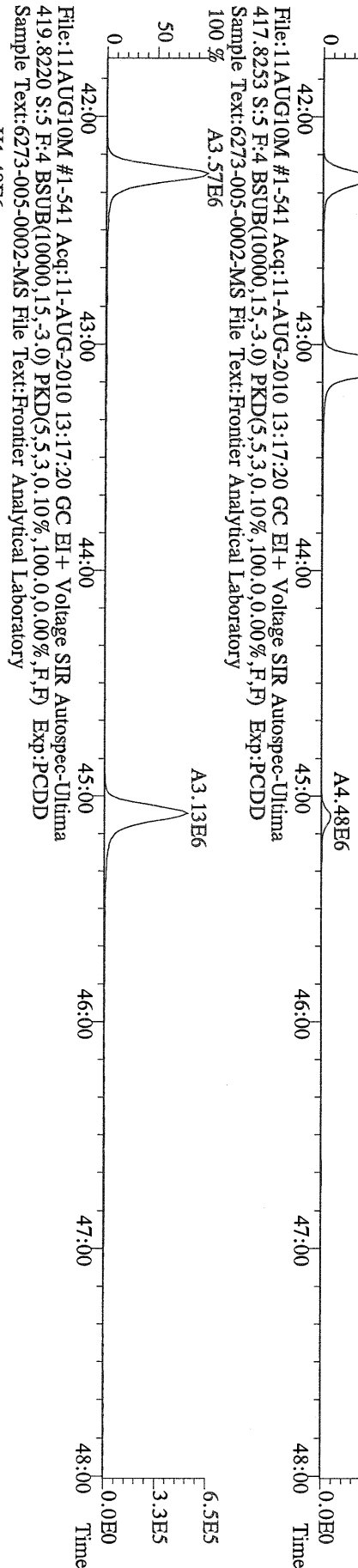
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445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



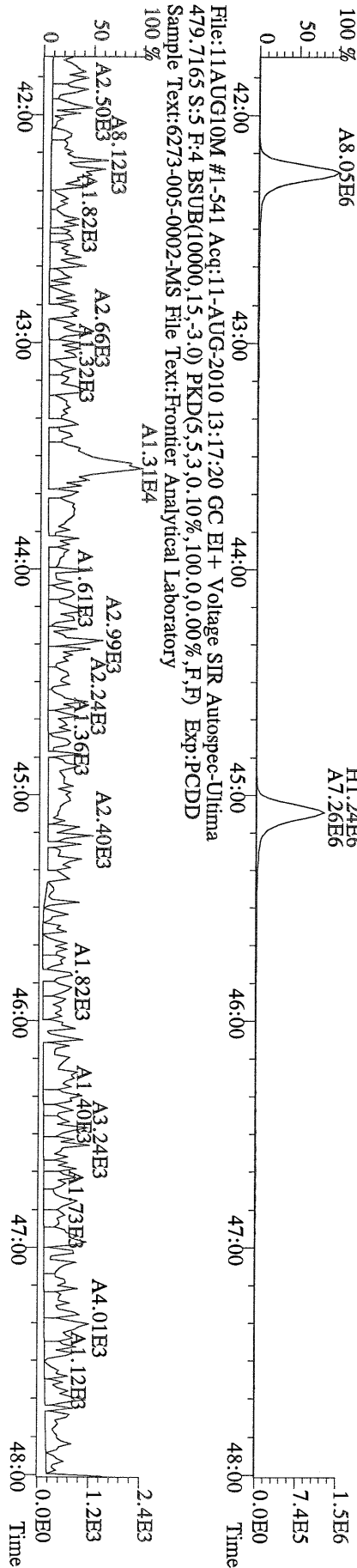
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407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory



File:11AUG10M #1-541 Acq:11-AUG-2010 13:17:20 GC EI + Voltage SIR Autospec-Ultima  
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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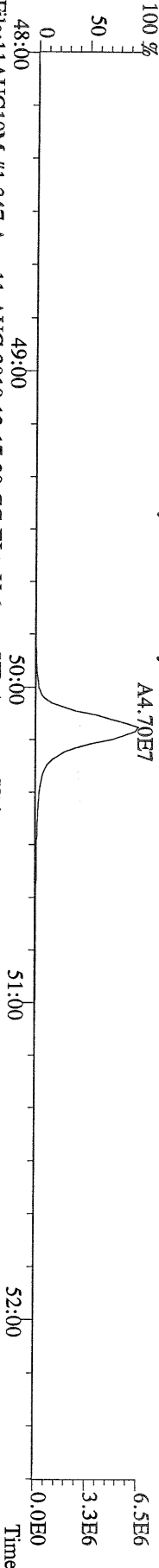


File:11AUG10M #1-541 Acq:11-AUG-2010 13:17:20 GC EI + Voltage SIR Autospec-Ultima  
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory

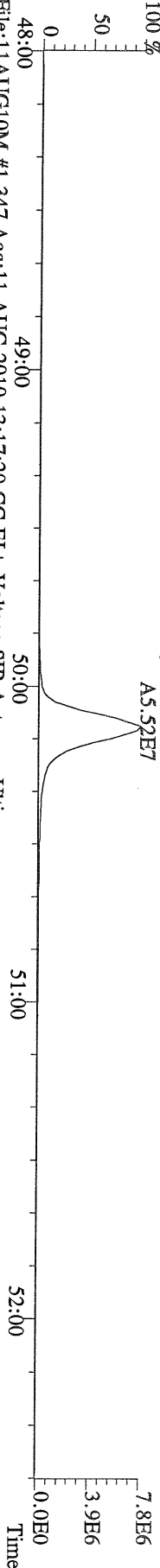




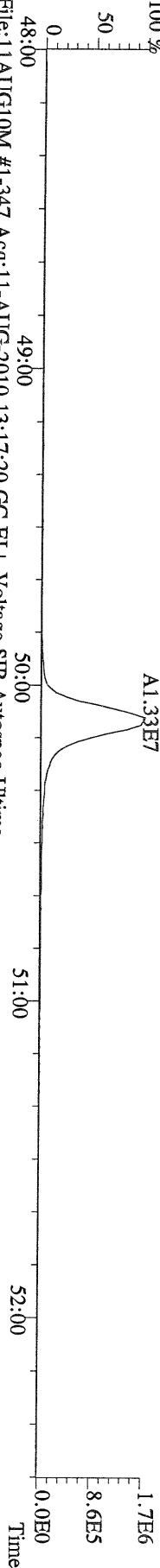
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441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
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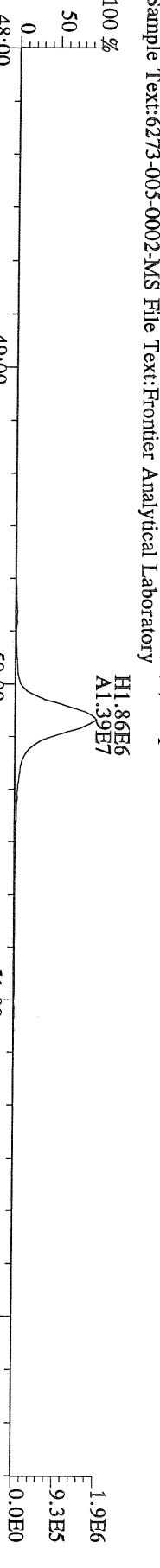
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443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
100 %



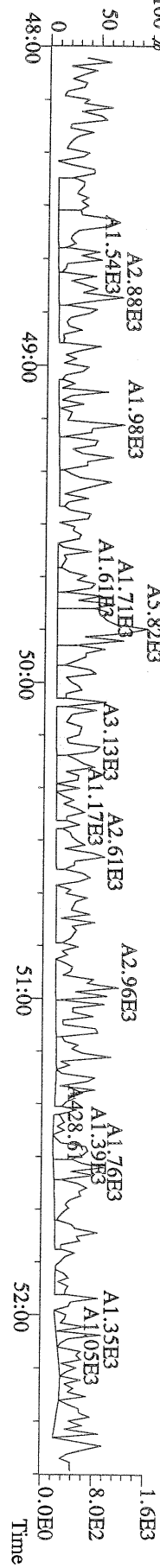
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453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory  
100 %



File:11AUG10M #1-347 Acq:11-AUG-2010 13:17:20 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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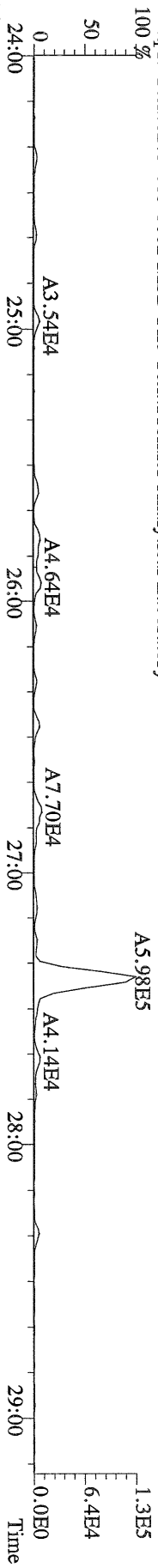


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513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MS File Text:Frontier Analytical Laboratory





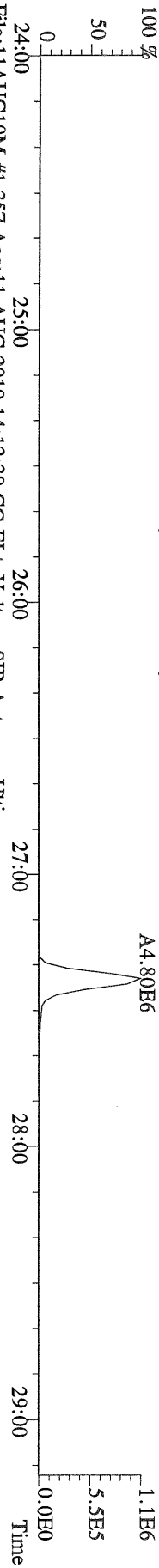
File:11AUG10M #1-357 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
 319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
 100 %



File:11AUG10M #1-357 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
 321.8936 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
 100 %



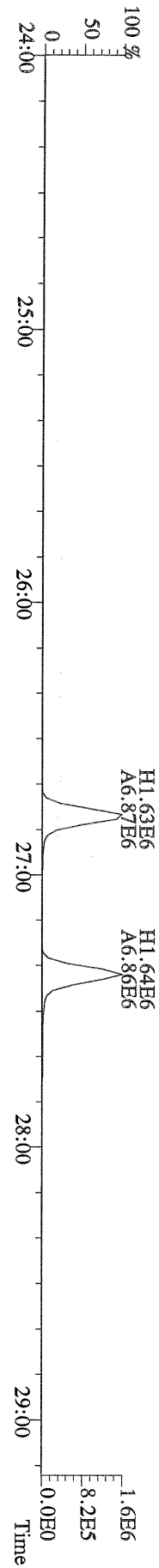
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 327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
 100 %



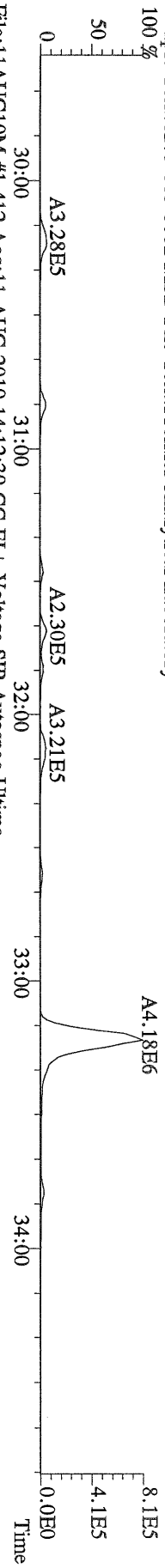
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 100 %



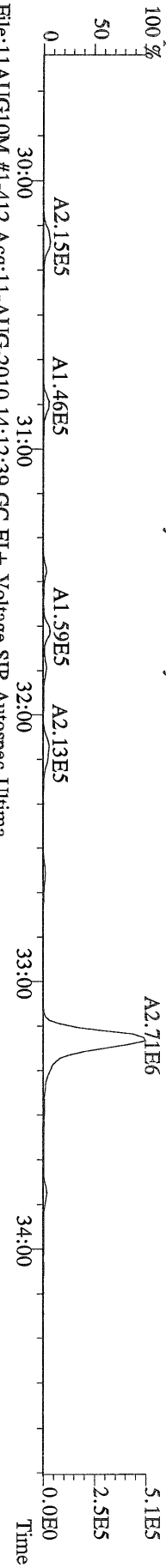
File:11AUG10M #1-357 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
 333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



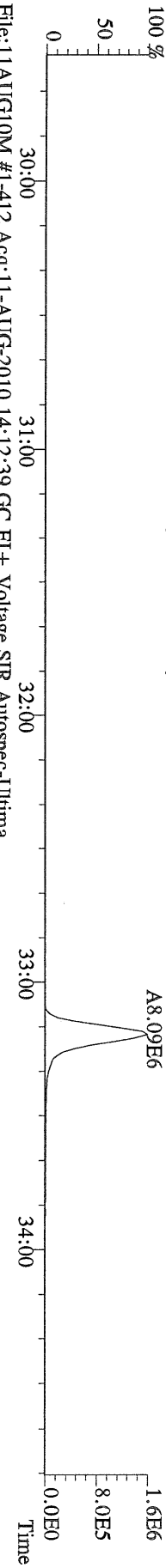
File:11AUG10M #1-412 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
 355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
 100 %



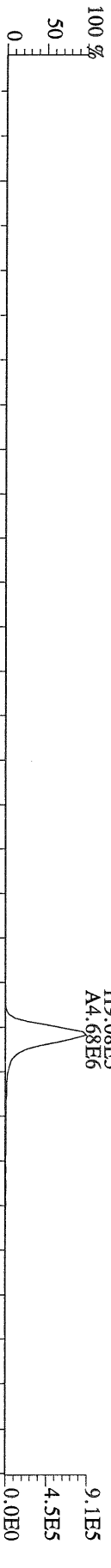
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 357.8517 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
 100 %



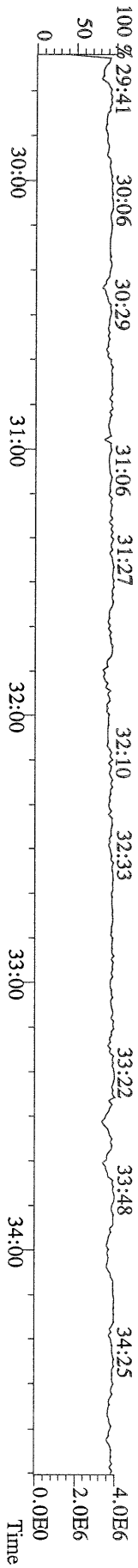
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 367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
 100 %



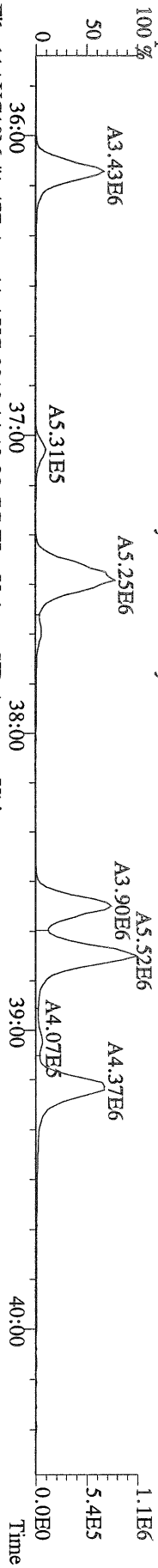
File:11AUG10M #1-412 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
 369.8919 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



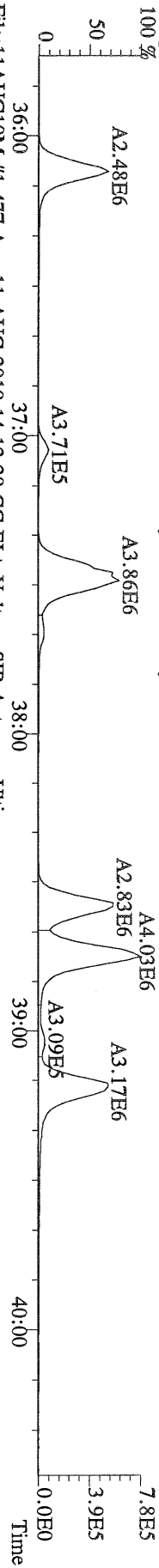
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 366.9792 S:6 F:2 Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



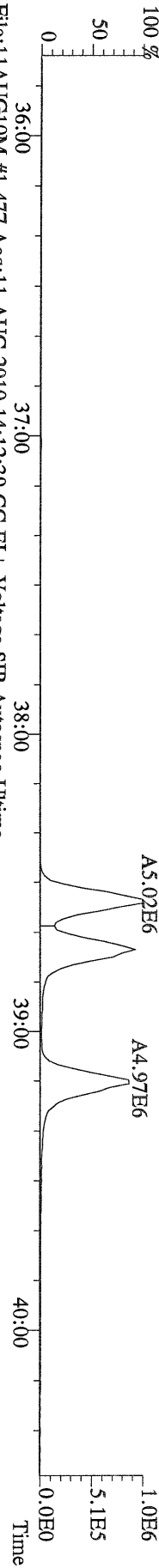
File:11AUG10M #1-477 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



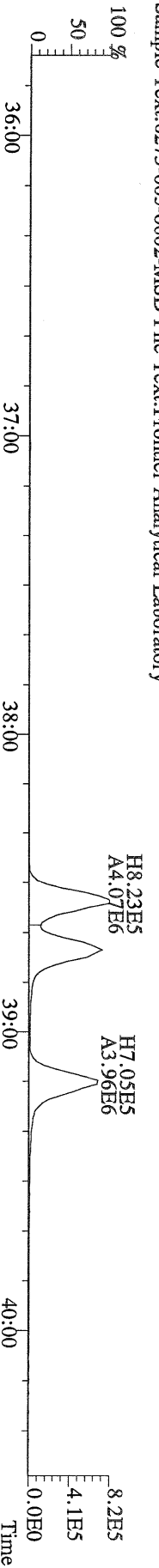
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391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



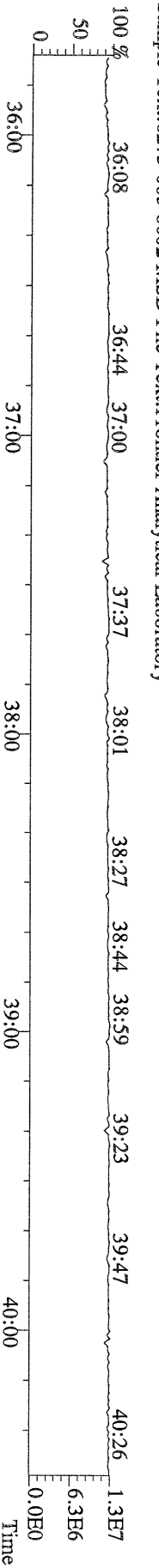
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401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



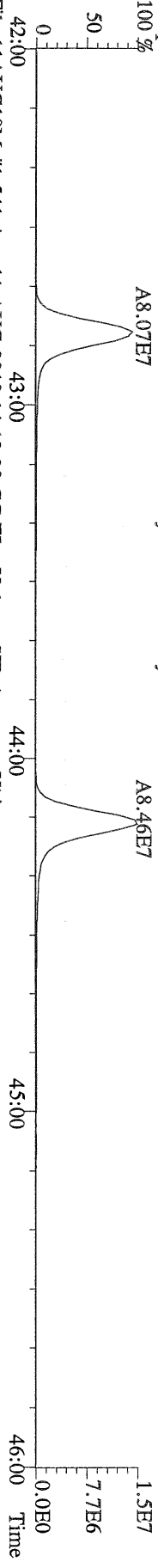
File:11AUG10M #1-477 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



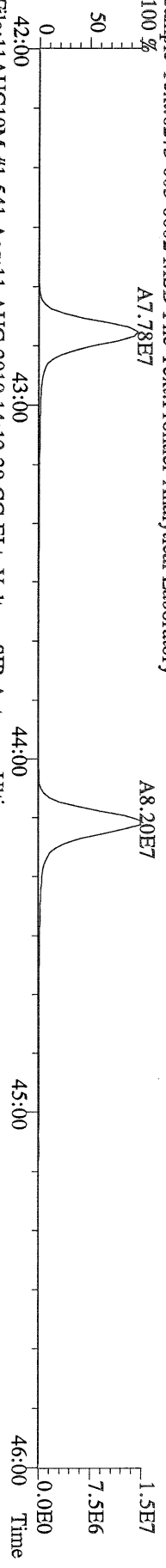
File:11AUG10M #1-477 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
380.9760 S:6 F:3 Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



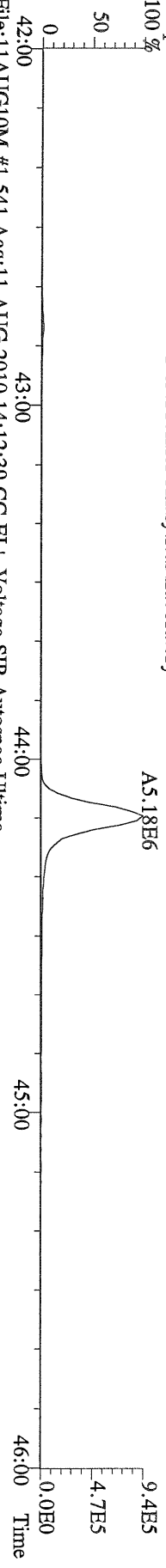
File:11AUG10M #1-541 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Fronter Analytical Laboratory  
100 %



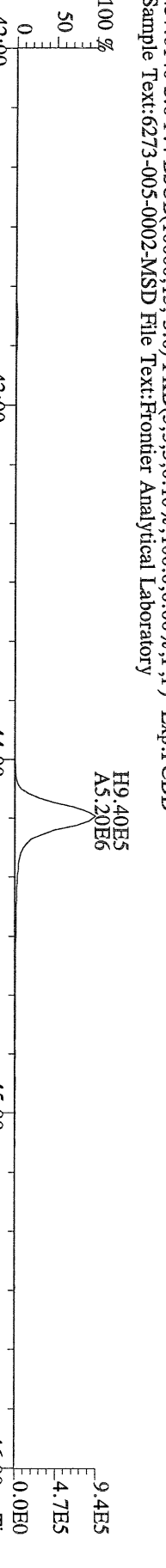
File:11AUG10M #1-541 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Fronter Analytical Laboratory  
100 %



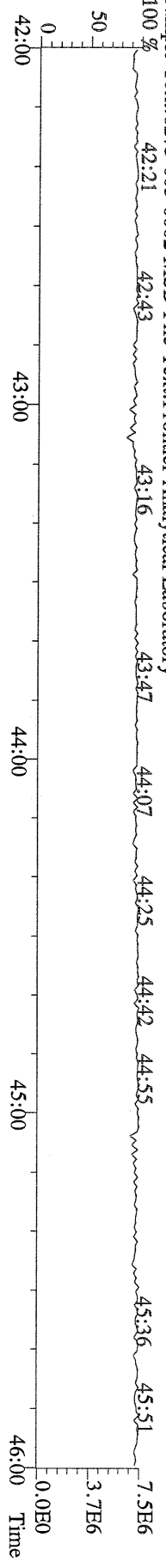
File:11AUG10M #1-541 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Fronter Analytical Laboratory  
100 %



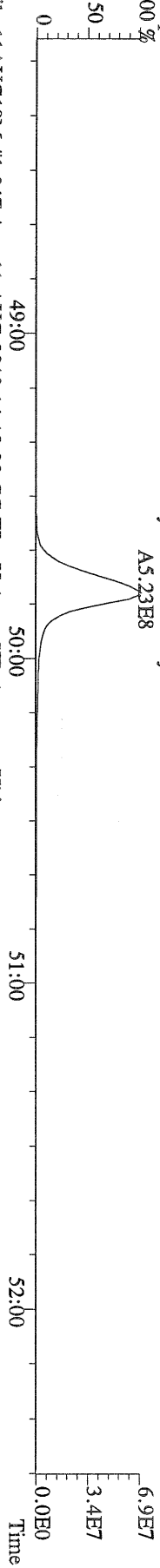
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437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Fronter Analytical Laboratory



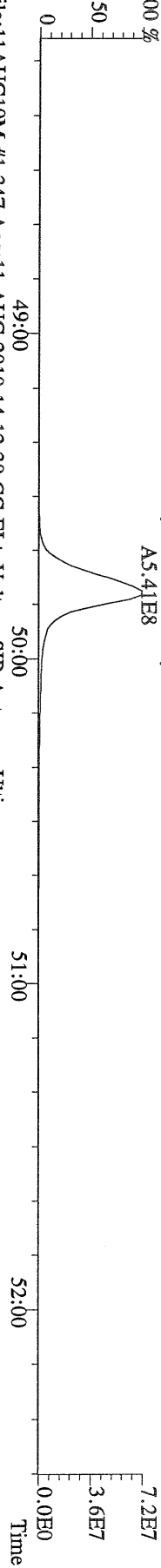
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430.9728 S:6 F:4 Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Fronter Analytical Laboratory  
100 %



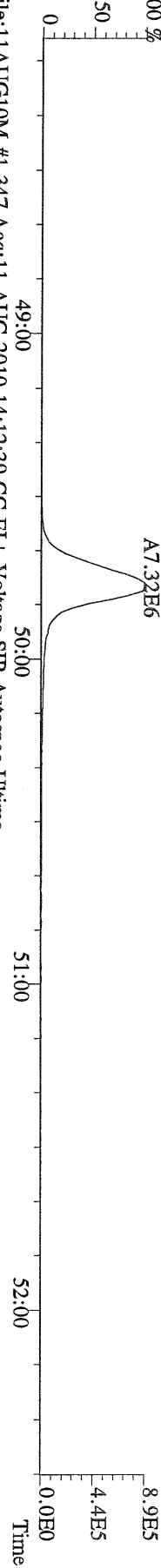
File:11AUG10M #1-347 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



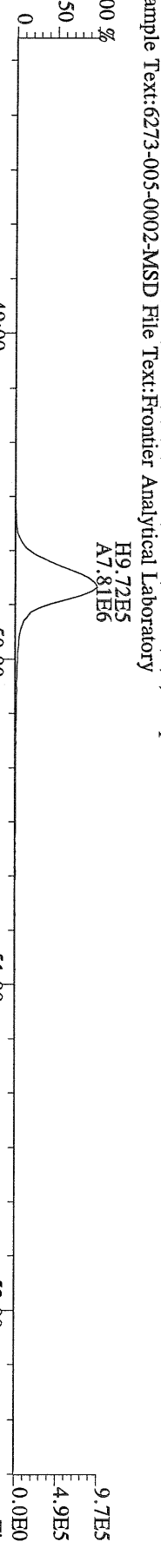
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459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



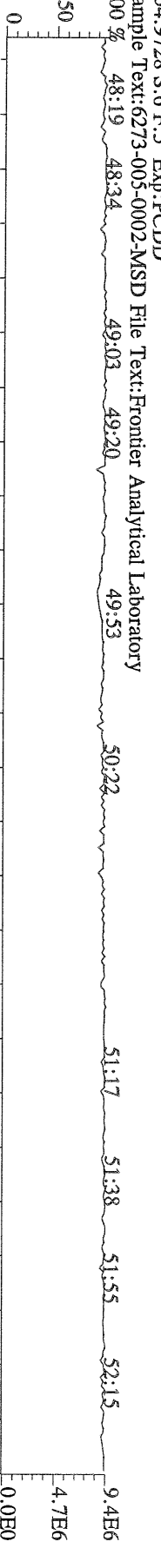
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469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory

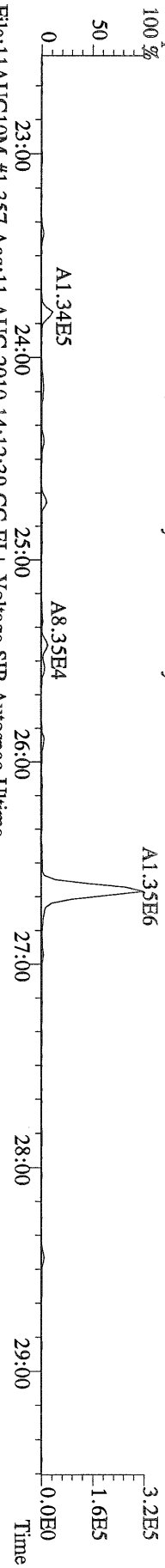


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454.9728 S:6 F:5 Exp:PCDD

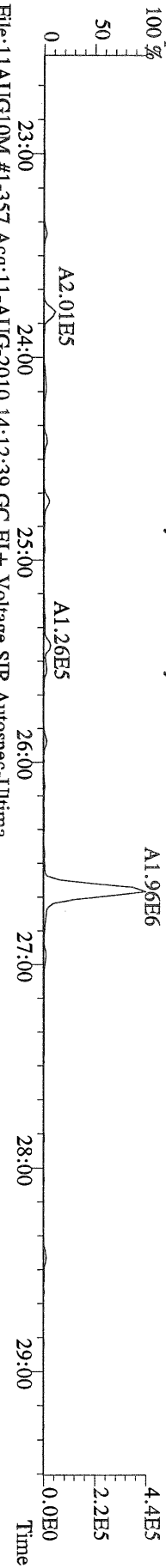


Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory

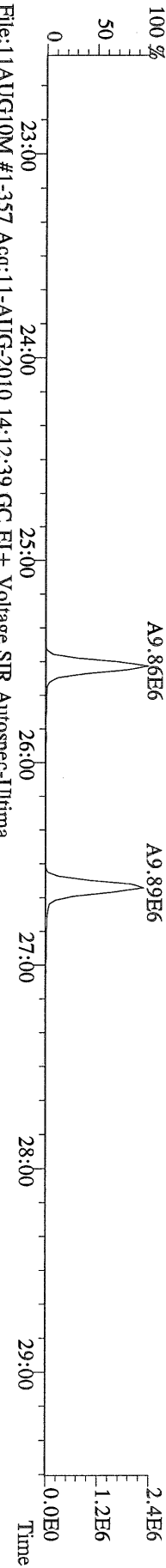
File:11AUG10M #1-357 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



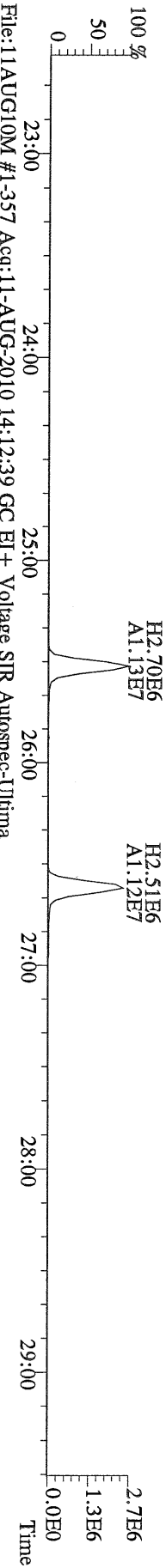
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 305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



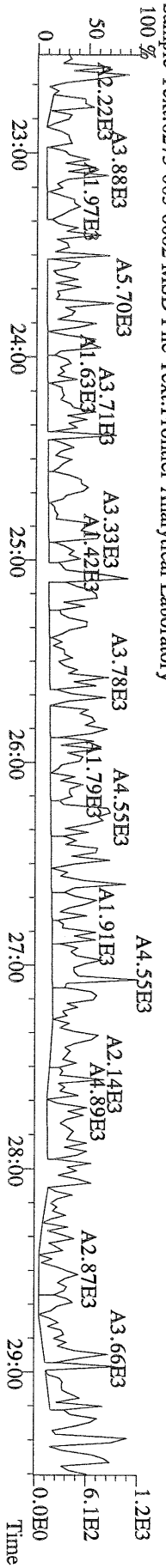
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 315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



File:11AUG10M #1-357 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
 317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory

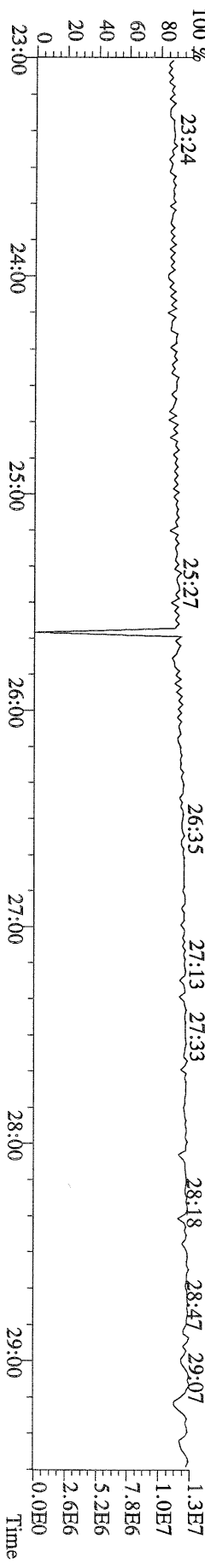
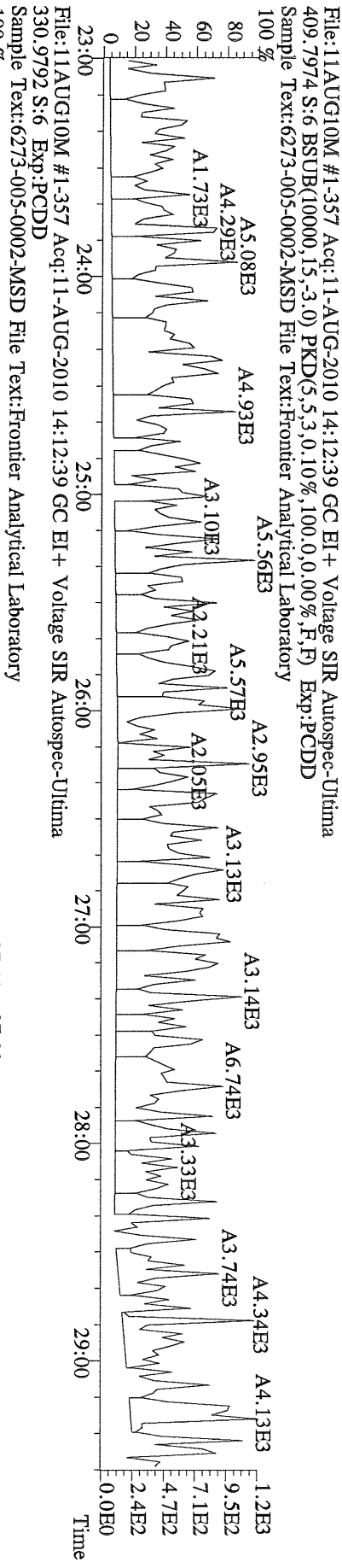
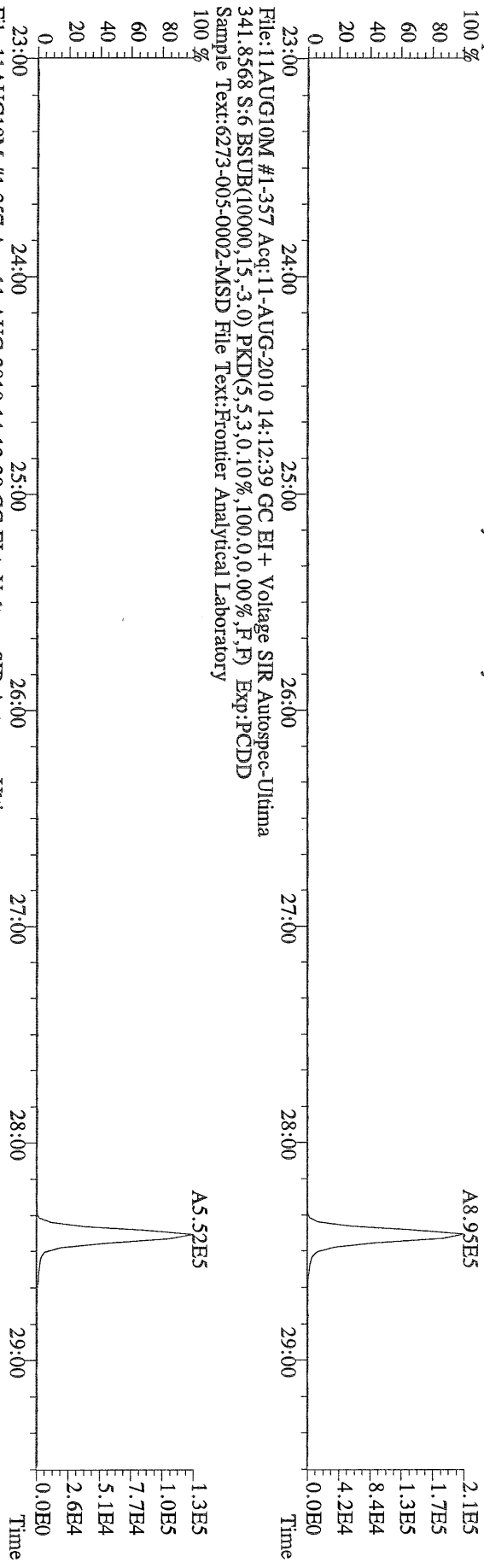


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 375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory

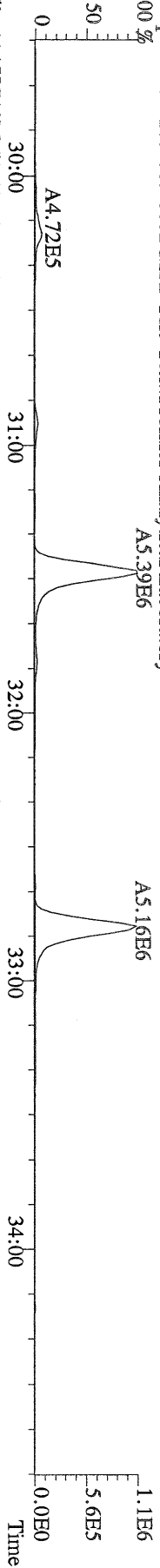




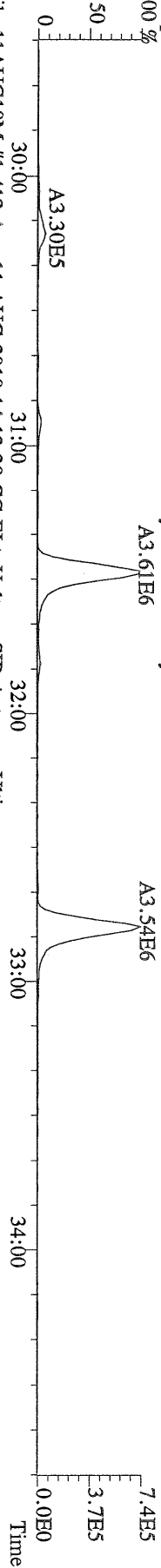
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 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



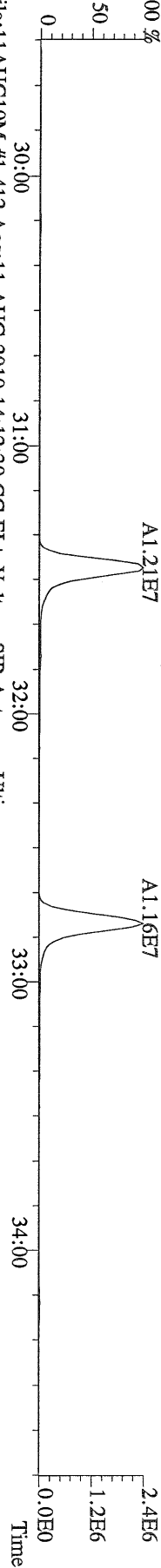
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339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



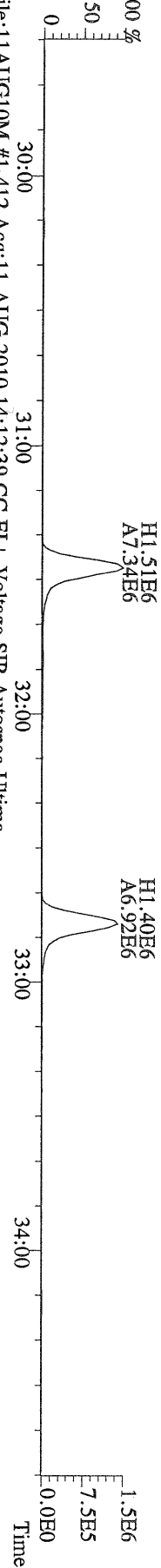
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341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



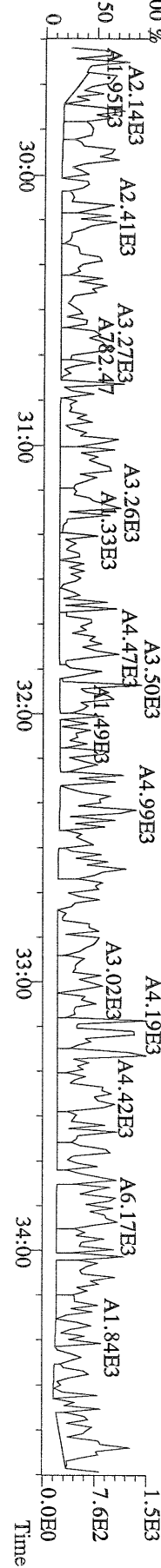
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351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



File:11AUG10M #1-412 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory

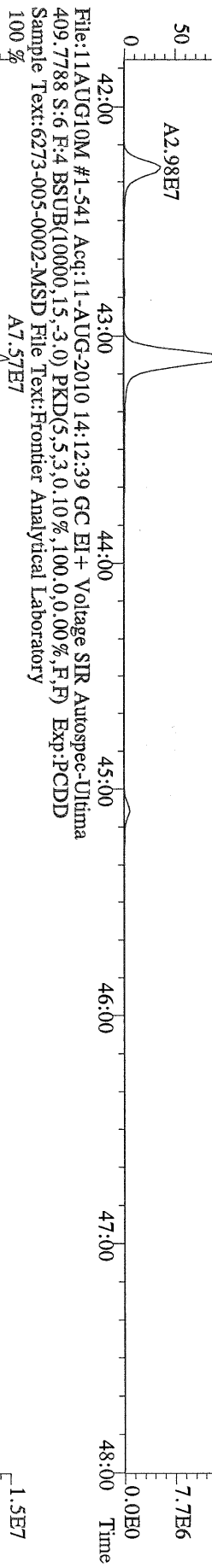


File:11AUG10M #1-412 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory

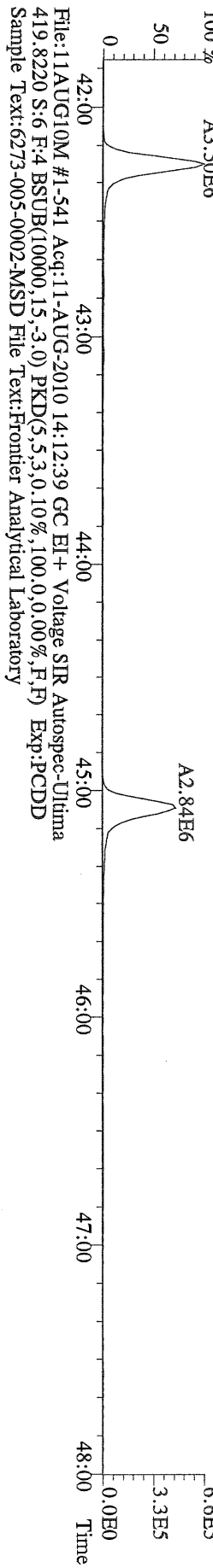




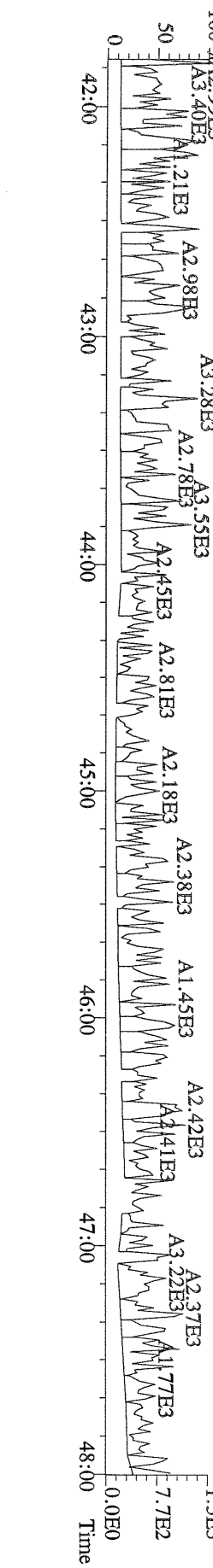
File:11AUG10M #1-541 Acq:11-AUG-2010 14:12:39 GC EI + Voltage SIR Autospec-Ultima  
 407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



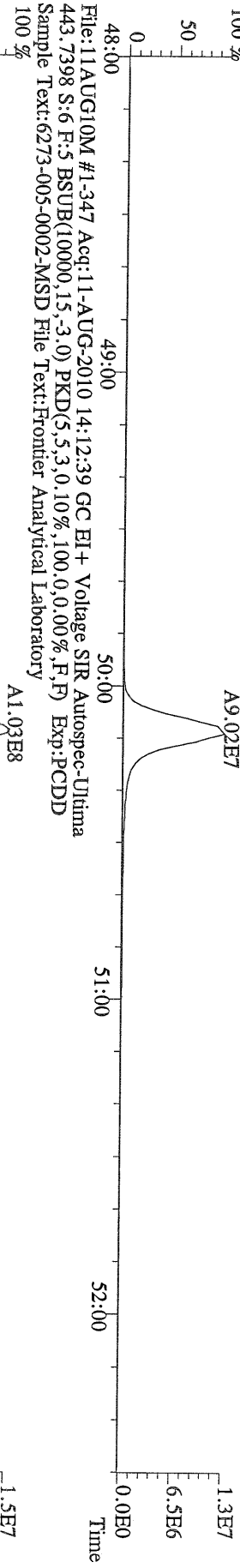
File:11AUG10M #1-541 Acq:11-AUG-2010 14:12:39 GC EI + Voltage SIR Autospec-Ultima  
 417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



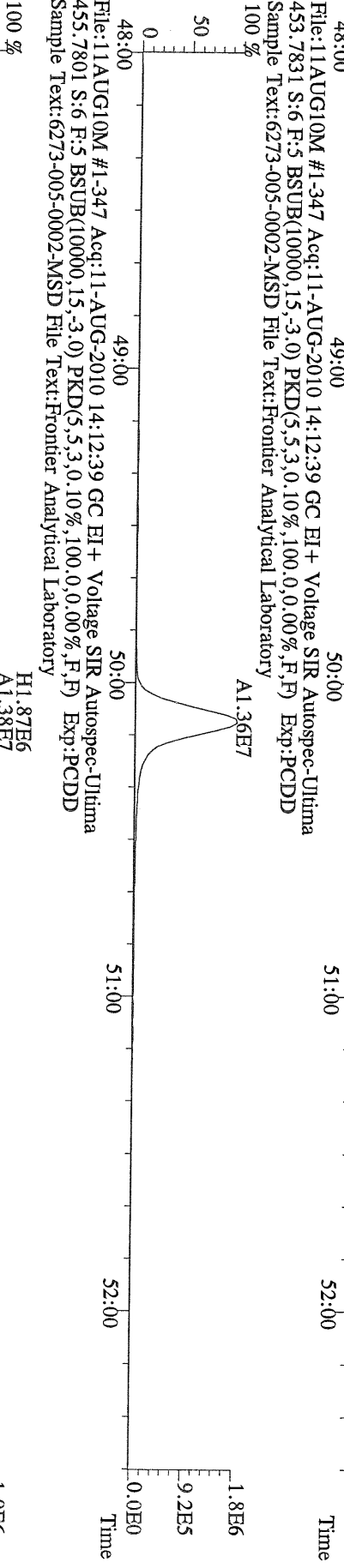
File:11AUG10M #1-541 Acq:11-AUG-2010 14:12:39 GC EI + Voltage SIR Autospec-Ultima  
 419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory



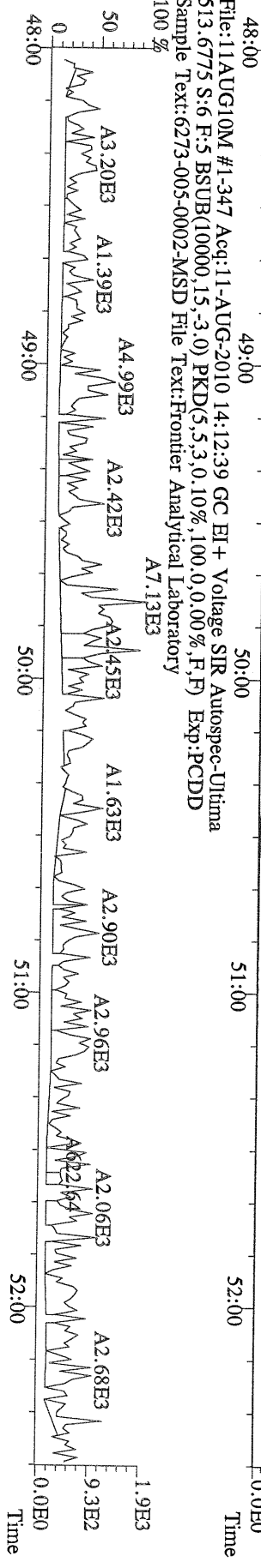
File:11AUG10M #1-347 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Utima  
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
100 %



File:11AUG10M #1-347 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Utima  
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
100 %



File:11AUG10M #1-347 Acq:11-AUG-2010 14:12:39 GC EI+ Voltage SIR Autospec-Utima  
513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:PCDD  
Sample Text:6273-005-0002-MSD File Text:Frontier Analytical Laboratory  
100 %



Name	Resp	RA	RT	RRF	WHO 1989 Tox:		WHO 2005 Tox:		DL	214 702'	
					Conc	Qual	Fac	Noise-1			Noise-2
2,3,7,8-TCDD	6.35e+05	0.70 y	27:24	1.04	12.3		2.50	-	-	*	
1,2,3,7,8-PeCDD	3.18e+06	1.58 y	33:14	1.05	67.3		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	3.89e+06	1.39 y	38:35	1.30	93.6		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	2.68e+07	1.34 y	38:45	1.28	701		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	1.10e+07	1.32 y	39:12	1.25	285		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.35	*	30,900 *	2.50	-	-	*	
OCDD	*	* n	NotFnd	1.25	*	329,000 *	2.50	-	-	*	
2,3,7,8-TCDF	1.54e+05	0.67 y	26:40	1.62	1.31		2.50	-	-	*	
1,2,3,7,8-PeCDF	2.87e+05	1.43 y	31:30	0.92	4.75	J	2.50	-	-	*	
2,3,4,7,8-PeCDF	5.34e+05	1.37 y	32:49	0.94	8.94		2.50	-	-	*	
1,2,3,4,7,8-HxCDF	3.65e+06	1.23 y	37:12	0.93	63.1		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	2.38e+06	1.24 y	37:24	0.84	40.5		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	3.73e+06	1.23 y	38:21	0.90	72.3		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	4.03e+05	1.25 y	39:49	0.98	8.30		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.38	*	7290 *	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	7.07e+06	1.06 y	45:07	1.62	157		2.50	-	-	*	
OCDF	*	* n	NotFnd	0.74	*	36200 *	2.50	-	-	*	
13C-2,3,7,8-TCDD	2.24e+07	0.83 y	27:23	0.93	470					Rec 104	
13C-1,2,3,7,8-PeCDD	2.03e+07	1.78 y	33:13	0.81	489					109	
13C-1,2,3,4,7,8-HxCDD	1.44e+07	1.24 y	38:34	0.95	491					109	
13C-1,2,3,6,7,8-HxCDD	1.35e+07	1.22 y	38:44	1.00	436					97.1	
13C-1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	0.92	*	*				* 102'	
13C-OCDD	*	* n	NotFnd	0.63	*	*				* 97.6'	
13C-2,3,7,8-TCDF	3.25e+07	0.87 y	26:38	0.87	474					106	
13C-1,2,3,7,8-PeCDF	2.97e+07	1.68 y	31:28	0.81	466					104	
13C-2,3,4,7,8-PeCDF	2.84e+07	1.69 y	32:47	0.75	479					107	
13C-1,2,3,4,7,8-HxCDF	2.80e+07	0.52 y	37:11	1.74	519					115	
13C-1,2,3,6,7,8-HxCDF	3.15e+07	0.51 y	37:23	2.17	468					104	
13C-2,3,4,6,7,8-HxCDF	2.59e+07	0.53 y	38:20	1.82	460					102	
13C-1,2,3,7,8,9-HxCDF	2.21e+07	0.52 y	39:46	1.49	481					107	
13C-1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.10	*	*				* 96.5'	
13C-1,2,3,4,7,8,9-HpCDF	1.24e+07	0.42 y	45:06	0.81	492					109	
13C-OCDF	*	* n	NotFnd	1.19	*	*				* 99.4'	
37Cl-2,3,7,8-TCDD	8.36e+06		27:24	0.93	175					97.1	
13C-1,2,3,4-TCDD	2.31e+07	0.84 y	26:48	-	15.3						
13C-1,2,3,4-TCDF	3.55e+07	0.87 y	25:33	-	15.0						
13C-1,2,3,7,8,9-HxCDD	1.39e+07	1.24 y	39:11	-	14.5						
Total Tetra-Dioxins	1.06e+07		24:24	1.04	205		2.50	-	-	*	16
Total Penta-Dioxins	2.89e+07		30:15	1.05	610		2.50	-	-	*	10
Total Hexa-Dioxins	2.09e+08		36:07	1.27	5320		2.50	-	-	*	8
Total Hepta-Dioxins	*		NotFnd	1.35	*	65,400 *	2.50	-	-	*	0
Total Tetra-Furans	6.82e+06		23:03	1.62	58.2		2.50	-	-	*	20
1st Fn. Tot Penta-Furans	1.16e+07		28:27	0.93	193		2.50	-	-	*	PeCDF 1 8/11/10
Total Penta-Furans	8.79e+06		30:05	0.93	146		2.50	-	-	*	340 11
Total Hexa-Furans	2.43e+08		35:15	0.90	4480		2.50	-	-	*	339 10
Total Hepta-Furans	1.04e+07		42:50	1.48	239	26,600 *	2.50	-	-	*	2

Analyst: 

Date: 8/11/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 12

File: 10AUG10N

S: 6 I: 1 F: 1

Acquired: 10-AUG-10 21:13:30

Total Concentration: 205

Unnamed Concentration: 193.173

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:24	1.23e+05	1.70e+05	0.72 y	2.93e+05	5.68	
24:41	1.49e+05	2.01e+05	0.74 y	3.49e+05	6.77	
25:00	3.27e+05	4.44e+05	0.74 y	7.71e+05	14.9	
25:37	2.93e+05	4.05e+05	0.72 y	6.97e+05	13.5	
25:48	6.30e+05	8.91e+05	0.71 y	1.52e+06	29.5	
25:57	4.11e+05	5.68e+05	0.72 y	9.79e+05	19.0	
26:07	1.53e+05	2.18e+05	0.70 y	3.71e+05	7.19	
26:18	1.51e+05	2.10e+05	0.72 y	3.61e+05	6.99	
26:29	3.19e+05	4.43e+05	0.72 y	7.62e+05	14.8	
26:47	5.49e+05	7.78e+05	0.71 y	1.33e+06	25.7	
27:09	2.13e+05	2.89e+05	0.74 y	5.02e+05	9.72	
27:17	1.73e+05	2.59e+05	0.67 y	4.33e+05	8.38	
27:24	2.62e+05	3.73e+05	0.70 y	6.35e+05	12.3	2,3,7,8-TCDD
27:43	3.12e+05	4.38e+05	0.71 y	7.49e+05	14.5	
27:50	9.55e+04	1.32e+05	0.72 y	2.27e+05	4.41	
28:21	2.62e+05	3.62e+05	0.73 y	6.24e+05	12.1	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 12

File: 10AUG10N

S: 6 I: 1 F: 2

Acquired: 10-AUG-10 21:13:30

Total Concentration: 610

Unnamed Concentration: 543.005

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	3.27e+06	2.02e+06	1.62 y	5.29e+06	112	
30:51	2.09e+06	1.28e+06	1.63 y	3.37e+06	71.3	
31:29	8.61e+05	5.54e+05	1.55 y	1.42e+06	29.9	
31:42	2.43e+06	1.49e+06	1.63 y	3.92e+06	82.8	
31:51	1.30e+06	8.03e+05	1.62 y	2.10e+06	44.4	
32:08	3.35e+06	2.07e+06	1.62 y	5.42e+06	115	
32:37	6.78e+05	4.24e+05	1.60 y	1.10e+06	23.3	
33:14	1.95e+06	1.23e+06	1.58 y	3.18e+06	67.3	1,2,3,7,8-PeCDD
33:20	7.22e+05	4.47e+05	1.62 y	1.17e+06	24.7	
33:48	1.19e+06	7.13e+05	1.68 y	1.91e+06	40.3	



Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 12

File: 10AUG10N

S: 6 I: 1 F: 3

Acquired: 10-AUG-10 21:13:30

Total Concentration: 5320

Unnamed Concentration: 4235.368

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:07	3.48e+07	2.56e+07	1.36 y	6.04e+07	1530	
37:04	4.70e+06	3.41e+06	1.38 y	8.12e+06	206	
37:29	5.21e+07	3.85e+07	1.35 y	9.06e+07	2290	
37:40	2.55e+06	1.83e+06	1.39 y	4.39e+06	111	
38:35	2.27e+06	1.63e+06	1.39 y	3.89e+06	93.6	1,2,3,4,7,8-HxCDD
38:45	1.54e+07	1.15e+07	1.34 y	2.68e+07	701	1,2,3,6,7,8-HxCDD
39:03	2.15e+06	1.63e+06	1.32 y	3.78e+06	95.8	
39:12	6.27e+06	4.74e+06	1.32 y	1.10e+07	285	1,2,3,7,8,9-HxCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 12 File: 10AUG10N  
Acquired: 10-AUG-10 21:13:30

S: 6 I: 1 F: 1

Total Concentration: 58.2

Unnamed Concentration: 56.932

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:03	2.25e+04	3.26e+04	0.69 y	5.51e+04	0.471	
23:24	1.48e+05	2.17e+05	0.68 y	3.65e+05	3.12	
23:48	5.13e+05	7.66e+05	0.67 y	1.28e+06	10.9	
24:08	2.33e+05	3.46e+05	0.67 y	5.79e+05	4.94	
24:25	1.88e+05	2.69e+05	0.70 y	4.57e+05	3.90	
24:44	2.78e+05	4.23e+05	0.66 y	7.01e+05	5.99	
24:57	5.20e+04	7.55e+04	0.69 y	1.28e+05	1.09	
25:21	8.76e+04	1.32e+05	0.67 y	2.19e+05	1.87	
25:27	2.64e+05	3.99e+05	0.66 y	6.64e+05	5.67	
25:34	1.65e+05	2.25e+05	0.73 y	3.90e+05	3.33	
25:55	7.81e+04	1.08e+05	0.73 y	1.86e+05	1.59	
26:09	4.47e+04	6.14e+04	0.73 y	1.06e+05	0.907	
26:17	6.38e+04	9.35e+04	0.68 y	1.57e+05	1.34	
26:34	1.28e+05	1.89e+05	0.67 y	3.17e+05	2.71	
26:40	6.17e+04	9.21e+04	0.67 y	1.54e+05	1.31	2,3,7,8-TCDF
26:58	1.03e+05	1.51e+05	0.68 y	2.53e+05	2.16	
27:14	1.51e+04	2.05e+04	0.73 y	3.56e+04	0.304	
27:53	1.59e+04	2.38e+04	0.67 y	3.98e+04	0.340	
28:04	1.60e+04	1.81e+04	0.88 y	3.40e+04	0.291	
28:28	2.79e+05	4.20e+05	0.66 y	6.99e+05	5.97	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 12      File: 10AUG10N      S: 6 I: 1 F: 1  
Acquired: 10-AUG-10 21:13:30

Total Concentration: 193      Unnamed Concentration: 193.360

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:27	7.22e+06	4.40e+06	1.64 y	1.16e+07	193	

Totals class: Total Penta-Furans

Entry #: 44

Run: 12

File: 10AUG10N

S: 6 I: 1 F: 2

Acquired: 10-AUG-10 21:13:30

Total Concentration: 146

Unnamed Concentration: 132.583

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:05	2.80e+05	2.04e+05	1.38 y	4.84e+05	8.05	
30:15	2.55e+06	1.75e+06	1.45 y	4.30e+06	71.6	
30:43	7.59e+04	5.12e+04	1.48 y	1.27e+05	2.11	
30:56	9.25e+05	6.47e+05	1.43 y	1.57e+06	26.2	
31:14	9.47e+04	6.75e+04	1.40 y	1.62e+05	2.70	
31:30	1.69e+05	1.18e+05	1.43 y	2.87e+05	4.75	1,2,3,7,8-PeCDF
31:50	3.06e+05	2.06e+05	1.49 y	5.12e+05	8.52	
32:33	2.24e+04	1.64e+04	1.36 y	3.88e+04	0.645	
32:40	9.16e+04	6.63e+04	1.38 y	1.58e+05	2.63	
32:49	3.09e+05	2.25e+05	1.37 y	5.34e+05	8.94	2,3,4,7,8-PeCDF
32:51	3.63e+05	2.51e+05	1.44 y	6.13e+05	10.2	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 12 File: 10AUG10N S: 6 I: 1 F: 3  
Acquired: 10-AUG-10 21:13:30

Total Concentration: 4480

Unnamed Concentration: 4295.458

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:15	5.79e+06	4.92e+06	1.18 y	1.07e+07	198	
35:31	2.80e+07	2.33e+07	1.20 y	5.14e+07	949	
36:07	1.07e+06	8.40e+05	1.27 y	1.91e+06	35.2	
36:26	9.21e+07	7.58e+07	1.22 y	1.68e+08	3100	
37:02	1.60e+05	1.27e+05	1.26 y	2.88e+05	5.31	
37:12	2.02e+06	1.63e+06	1.23 y	3.65e+06	63.1	1,2,3,4,7,8-HxCDF
37:24	1.32e+06	1.06e+06	1.24 y	2.38e+06	40.5	1,2,3,6,7,8-HxCDF
37:52	1.13e+05	8.76e+04	1.29 y	2.00e+05	3.70	
38:21	2.06e+06	1.67e+06	1.23 y	3.73e+06	72.3	2,3,4,6,7,8-HxCDF
39:49	2.24e+05	1.79e+05	1.25 y	4.03e+05	8.30	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 12 File: 10AUG10N  
Acquired: 10-AUG-10 21:13:30

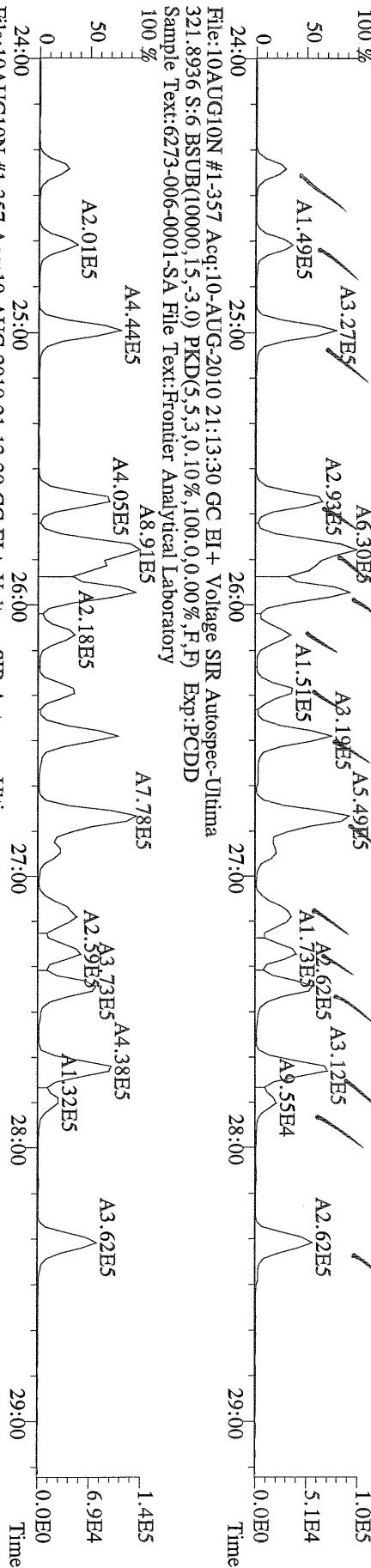
S: 6 I: 1 F: 4

Total Concentration: 239

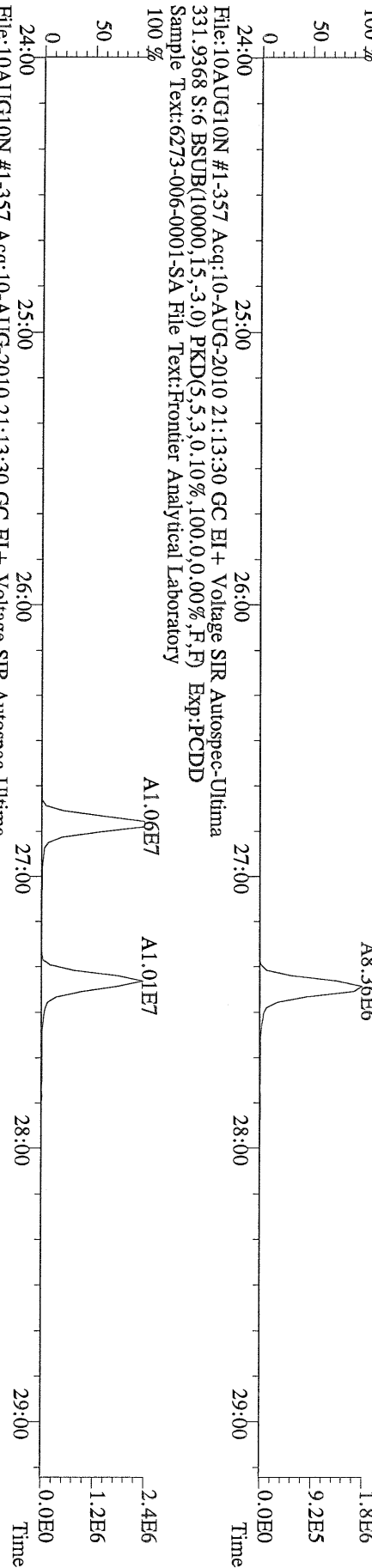
Unnamed Concentration: \*

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:50	1.76e+06	1.61e+06	1.09 y	3.37e+06	82.1	<del>1,2,3,4,6,7,8-HpCDF</del> <sup>8/11/10</sup>
45:07	3.64e+06	3.42e+06	1.06 y	7.07e+06	157	1,2,3,4,7,8,9-HpCDF

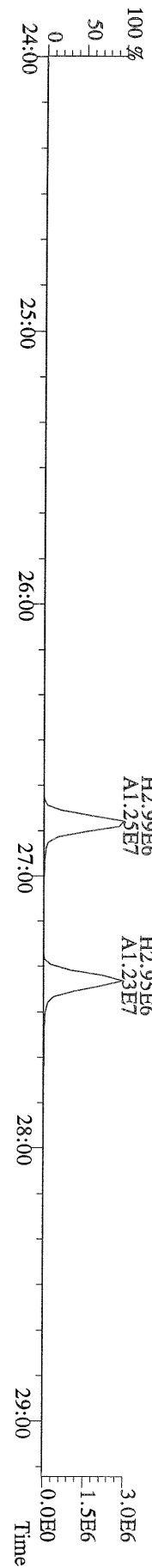
File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



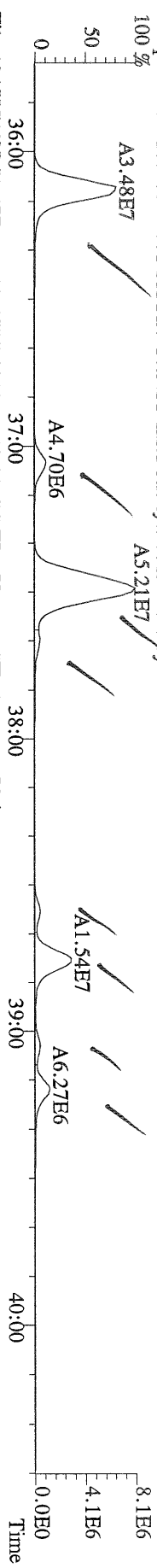
File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



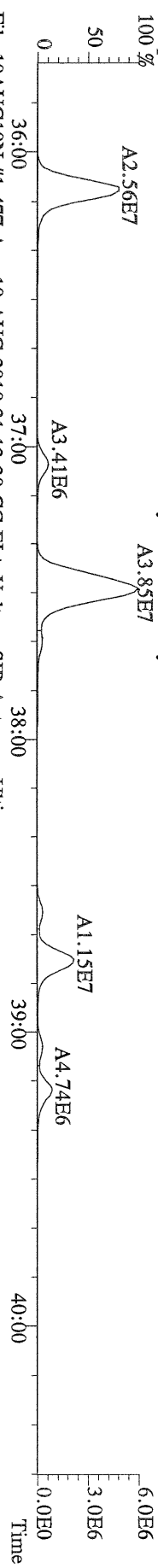




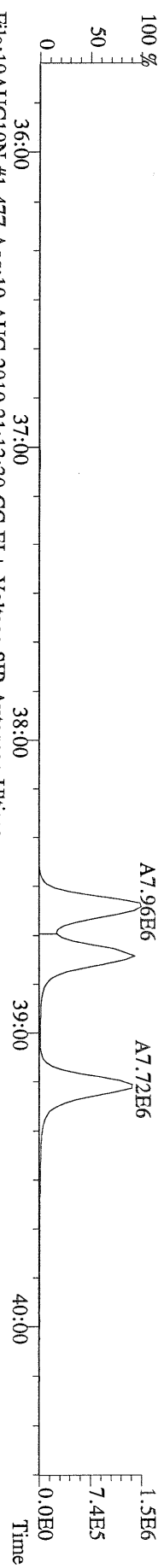
File:10AUG10N #1-477 Acq:10-AUG-2010 21:13:30 GC EI + Voltage SIR Autospec-Utima  
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



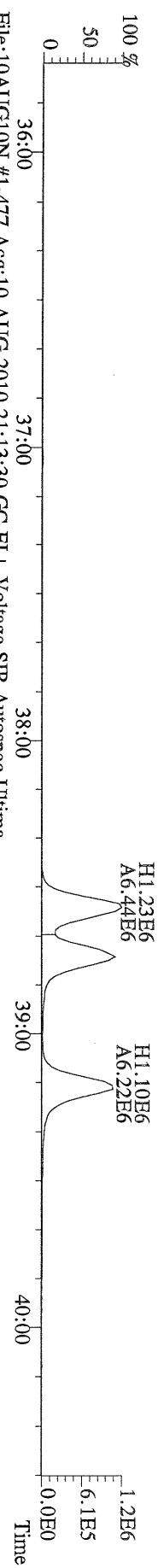
File:10AUG10N #1-477 Acq:10-AUG-2010 21:13:30 GC EI + Voltage SIR Autospec-Utima  
391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



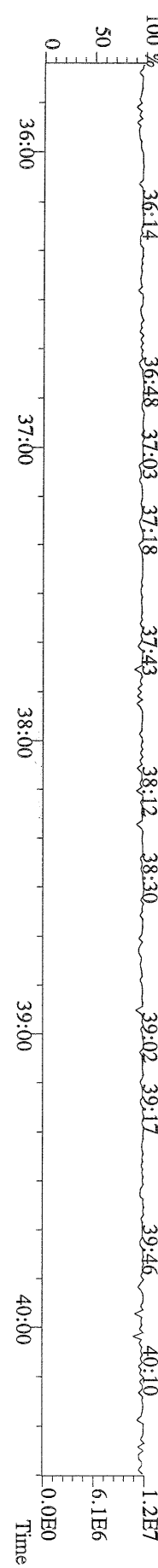
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401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



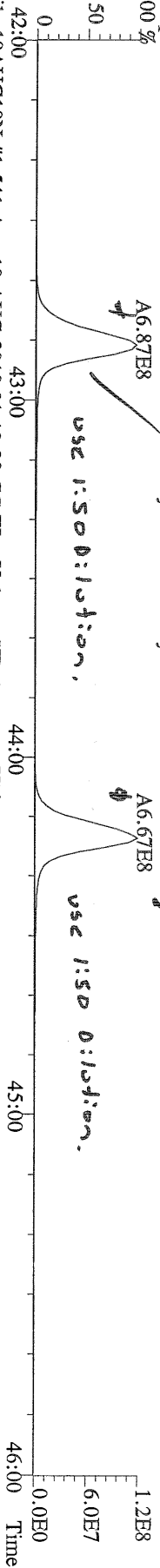
File:10AUG10N #1-477 Acq:10-AUG-2010 21:13:30 GC EI + Voltage SIR Autospec-Utima  
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



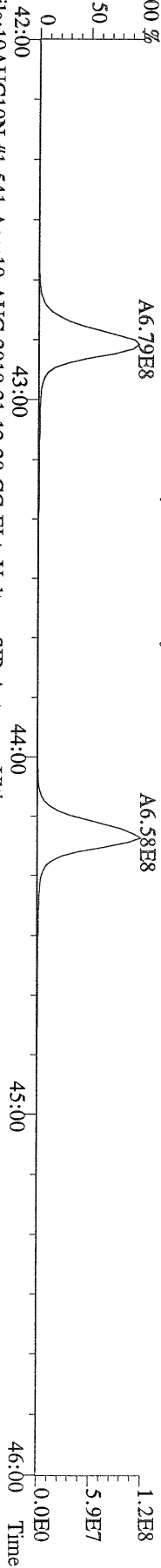
File:10AUG10N #1-477 Acq:10-AUG-2010 21:13:30 GC EI + Voltage SIR Autospec-Utima  
380.9760 S:6 F:3 Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



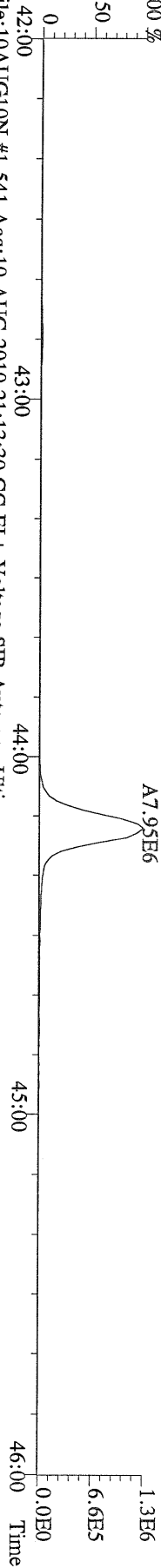
File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



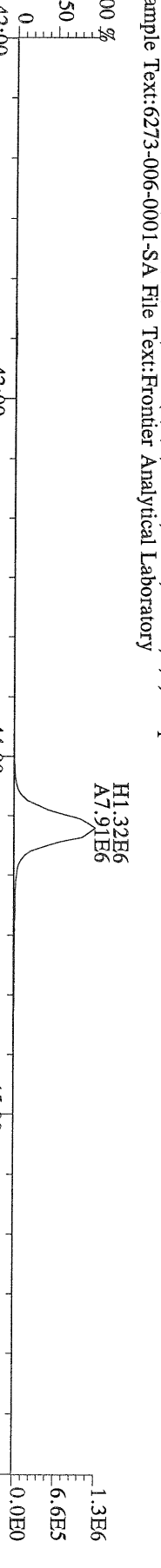
File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



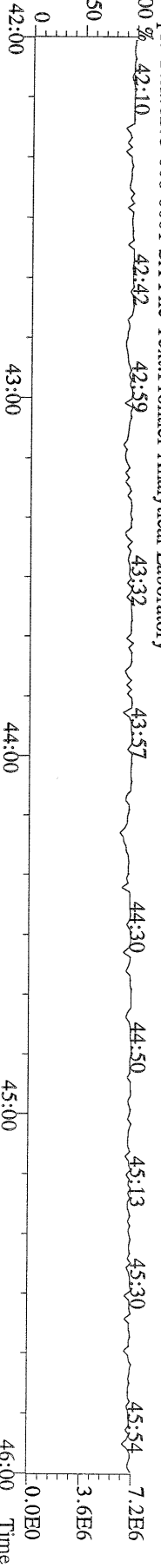
File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



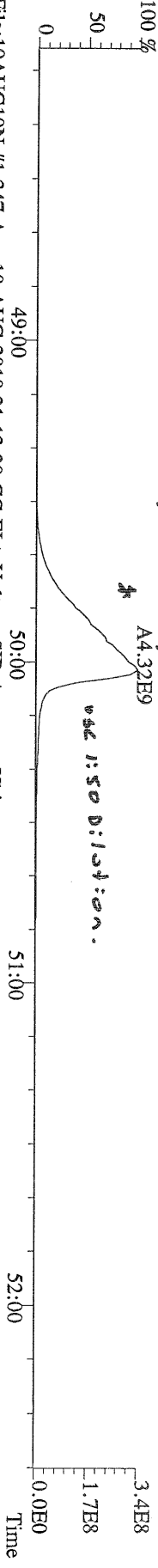
File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



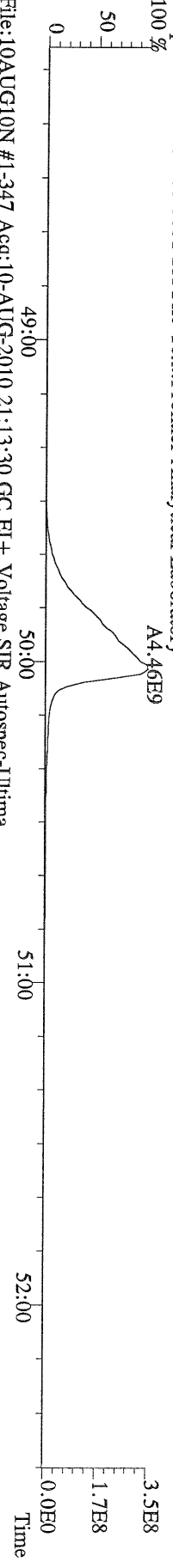
File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:6 F:4 Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



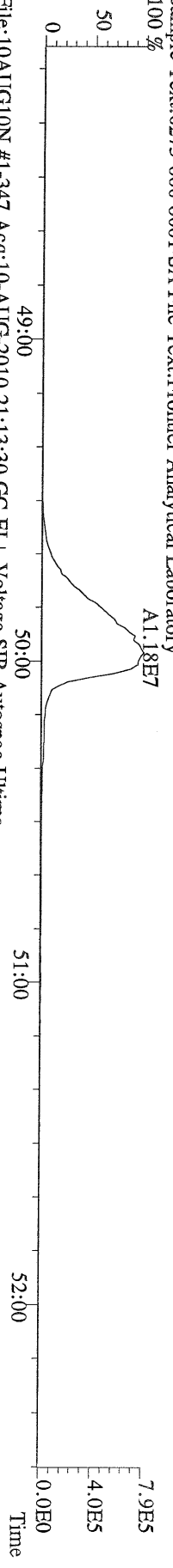
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



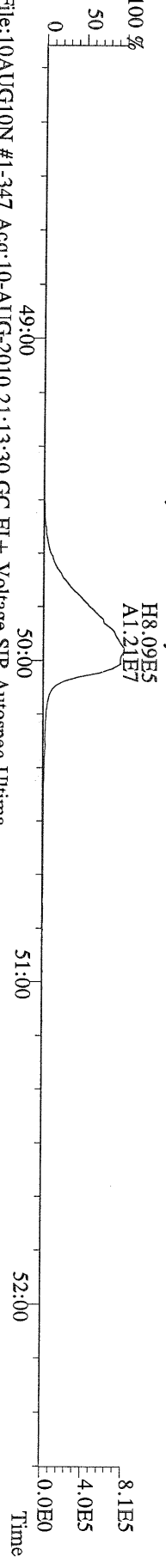
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



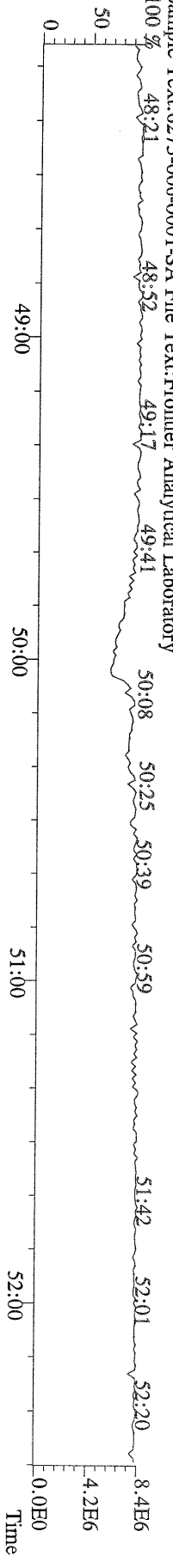
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



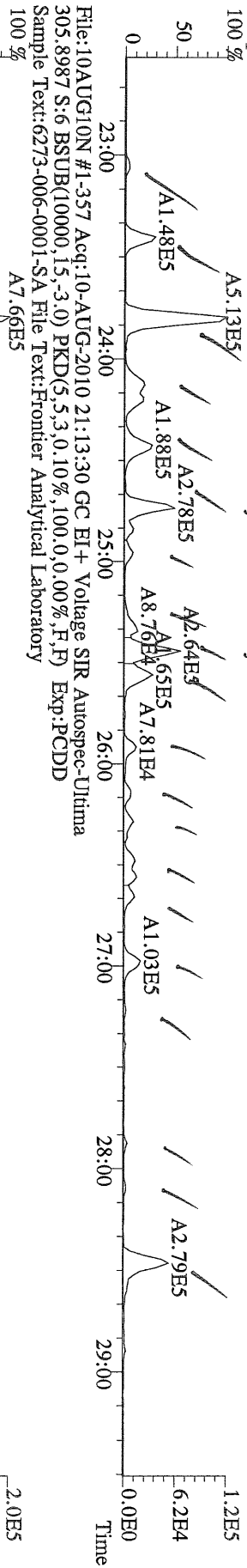
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



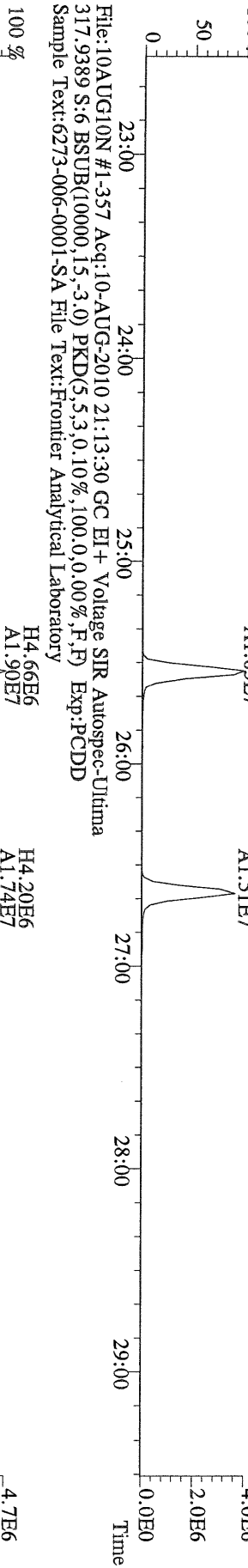
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:6 F:5 Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



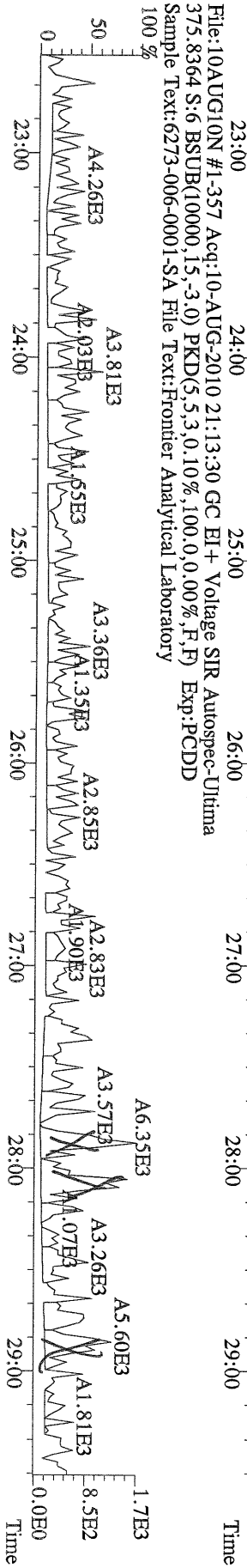
File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
 303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



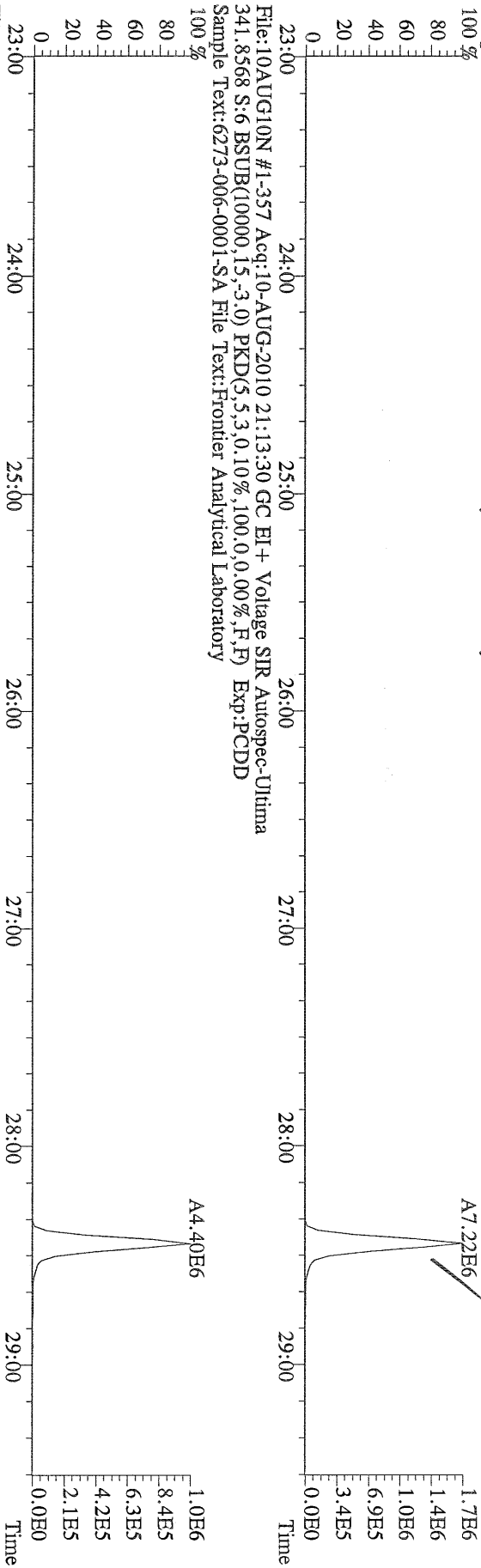
File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



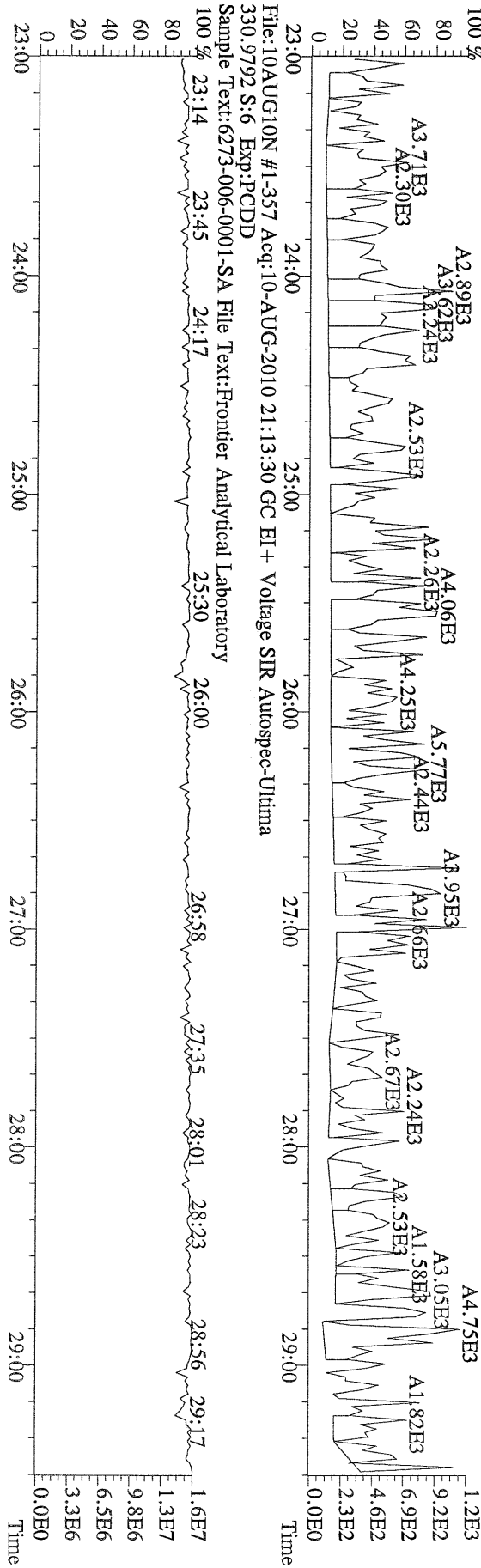
File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
 375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utlima  
 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



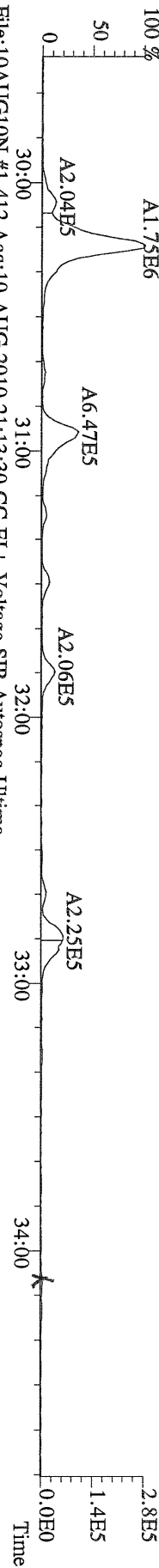
File:10AUG10N #1-357 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utlima  
 409.7974 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



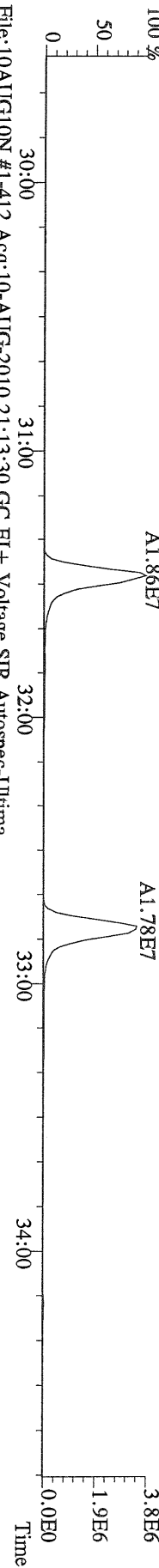
File:10AUG10N #1-412 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



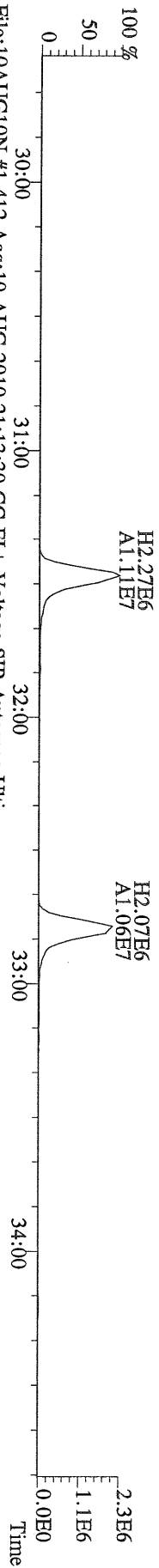
File:10AUG10N #1-412 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



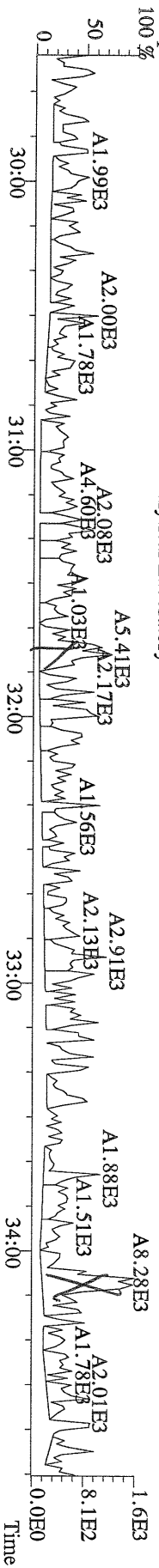
File:10AUG10N #1-412 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



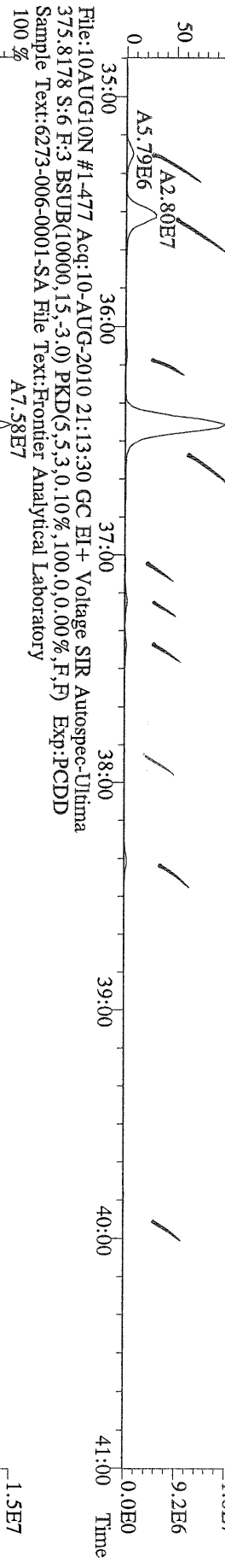
File:10AUG10N #1-412 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



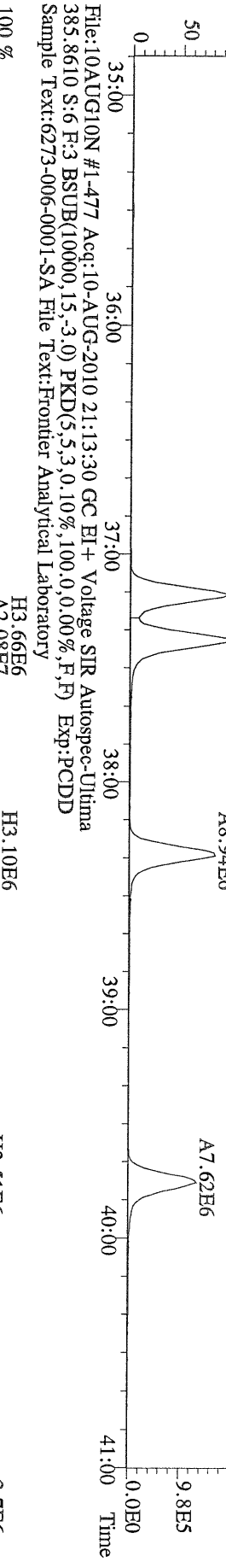
File:10AUG10N #1-412 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



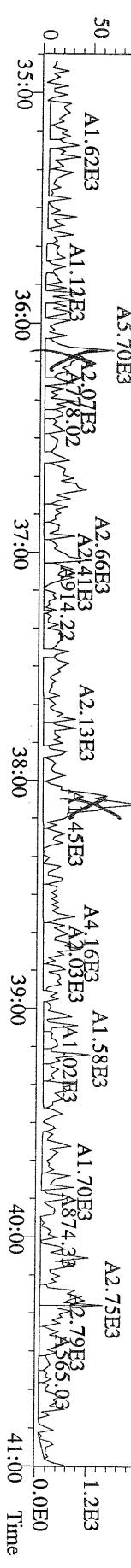
File:10AUG10N #1-477 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
 373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



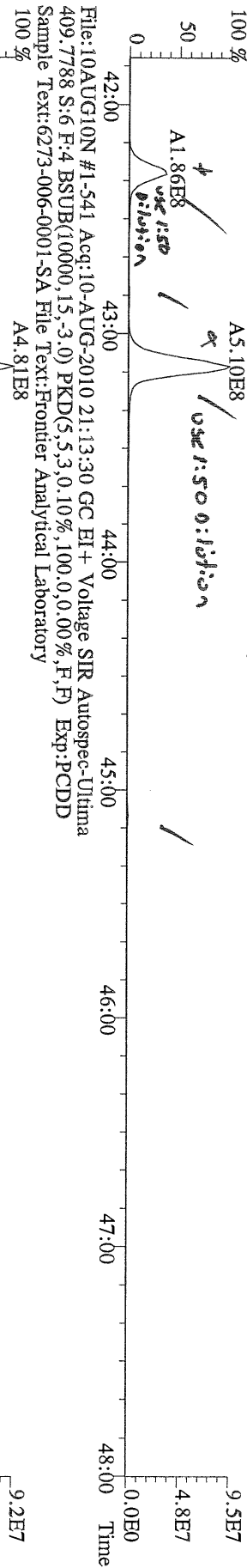
File:10AUG10N #1-477 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
 383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



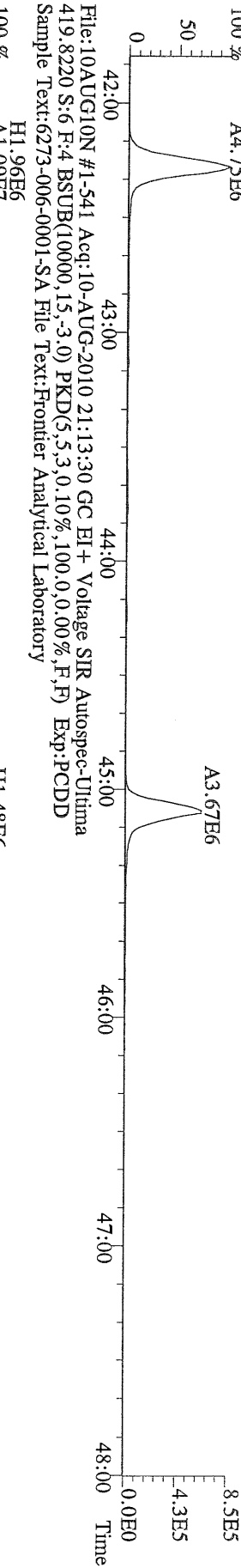
File:10AUG10N #1-477 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Ultima  
 445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



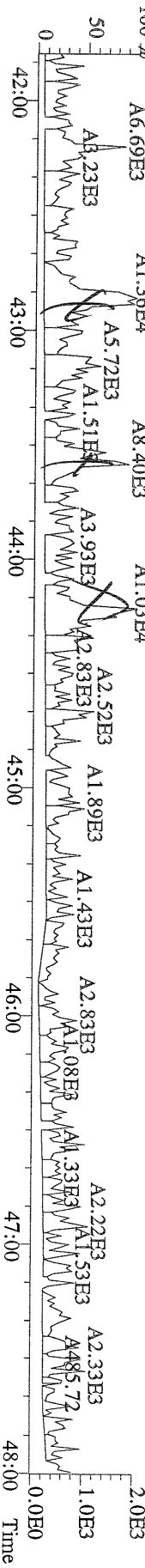
File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
 407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
 417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory

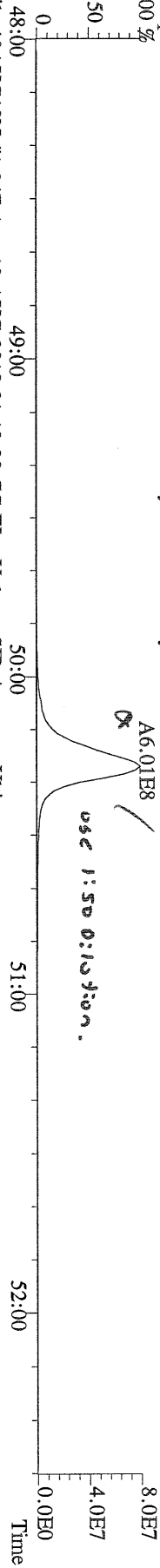


File:10AUG10N #1-541 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
 419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory

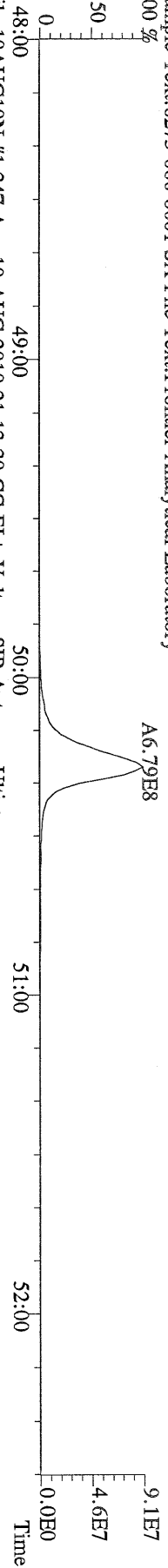




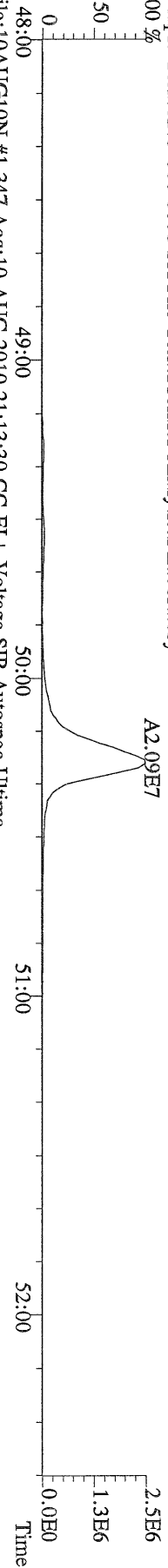
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
100 %



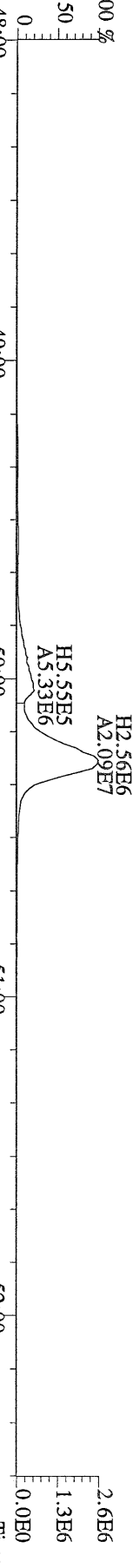
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
100 %



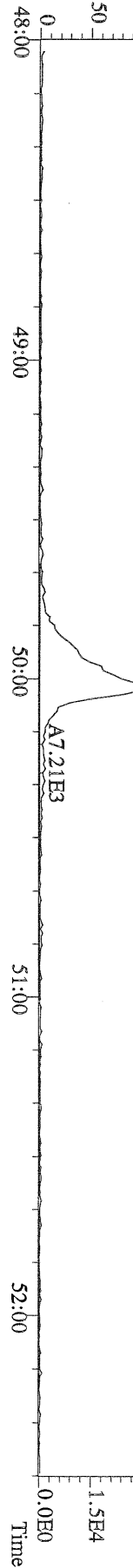
File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:10-AUG-2010 21:13:30 GC EI+ Voltage SIR Autospec-Utima  
513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
100 %



FAL ID: 6273-006-0001-SA      Filename: 15AUG10M      Sam:4      Acquired: 15-AUG-10 14:52:40      ICal: PCDDFAL3-5-12-10  
 Client ID: PSB06-1.5-2.0-072810 1:50      ConCal: ST081510M1      EndCal: ST081510M2  
 Results: 6273D      GC Column: DB5      Amount: 4.450      NATO 1989 Tox: 747

WHO 1998 Tox: 418      WHO 2005 Tox: 491

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.04	*		2.50	-	-	*	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*		2.50	-	-	*	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.30	*		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.28	*		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.25	*		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	7.46e+07	1.02 y	44:09	1.35	30900		2.50	-	-	*	
OCDD	4.81e+08	0.93 y	49:42	1.25	329000		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.62	*		2.50	-	-	*	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*		2.50	-	-	*	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	-	-	*	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.84	*		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.90	*		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	2.02e+07	1.04 y	42:14	1.38	7290		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.62	*		2.50	-	-	*	
OCDF	5.98e+07	0.86 y	50:04	0.74	36200		2.50	-	-	*	
13C-2,3,7,8-TCDD	*	* n	NotFnd	0.93	*					*	
13C-1,2,3,7,8-PeCDD	*	* n	NotFnd	0.81	*					*	
13C-1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.95	*					*	
13C-1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.00	*					*	
13C-1,2,3,4,6,7,8-HpCDD	8.01e+05	1.03 y	44:07	0.92	459					102	
13C-OCDD	1.05e+06	0.88 y	49:41	0.63	877					97.6	
13C-2,3,7,8-TCDF	*	* n	NotFnd	0.87	*					*	
13C-1,2,3,7,8-PeCDF	*	* n	NotFnd	0.81	*					*	
13C-2,3,4,7,8-PeCDF	*	* n	NotFnd	0.75	*					*	
13C-1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.74	*					*	
13C-1,2,3,6,7,8-HxCDF	*	* n	NotFnd	2.17	*					*	
13C-2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.82	*					*	
13C-1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.49	*					*	
13C-1,2,3,4,6,7,8-HpCDF	9.02e+05	0.41 y	42:13	1.10	434					96.5	
13C-1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	0.81	*					*	
13C-OCDF	2.01e+06	0.95 y	50:02	1.19	893					99.4	
37Cl-2,3,7,8-TCDD	1.11e+03		22:42	0.93	*					*	
13C-1,2,3,4-TCDD	*	* n	NotFnd	-	*						
13C-1,2,3,4-TCDF	*	* n	NotFnd	-	*						
13C-1,2,3,7,8,9-HxCDD	8.52e+05	1.32 y	39:08	-	0.888						
Total Tetra-Dioxins	*		NotFnd	1.04	*		2.50	-	-	*	0
Total Penta-Dioxins	*		NotFnd	1.05	*		2.50	-	-	*	0
Total Hexa-Dioxins	*		NotFnd	1.27	*		2.50	-	-	*	0
Total Hepta-Dioxins	1.58e+08		42:46	1.35	65400		2.50	-	-	*	2
Total Tetra-Furans	*		NotFnd	1.62	*		2.50	-	-	*	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.93	*		2.50	-	-	*	PeCDF 0
Total Penta-Furans	*		NotFnd	0.93	*		2.50	-	-	*	0.00 0
Total Hexa-Furans	*		NotFnd	0.90	*		2.50	-	-	*	0
Total Hepta-Furans	7.73e+07		42:14	1.48	26400		2.50	-	-	*	2

Analyst: jk

Date: 8/16/10

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 11

File: 15AUG10M

S: 4 I: 1 F: 4

Acquired: 15-AUG-10 14:52:40

Total Concentration: 65400

Unnamed Concentration: 34462.513

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:46	4.19e+07	4.12e+07	1.02 y	8.32e+07	34500	
44:09	3.76e+07	3.69e+07	1.02 y	7.46e+07	30900	1,2,3,4,6,7,8-HpCDD

Totals class: Total Hepta-Furans

Entry #: 46

Run: 11 File: 15AUG10M  
Acquired: 15-AUG-10 14:52:40

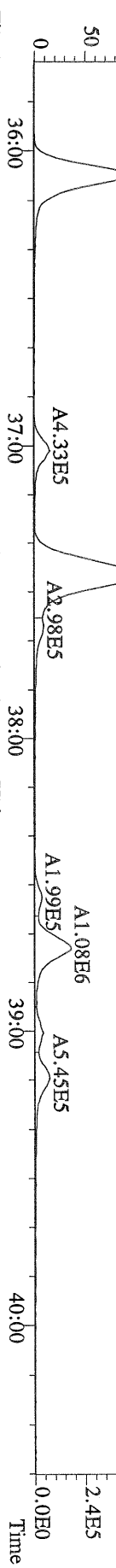
S: 4 I: 1 F: 4

Total Concentration: 26400

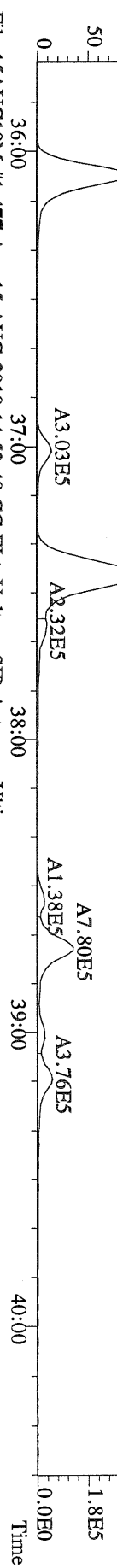
Unnamed Concentration: 19140.007

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:14	1.03e+07	9.89e+06	1.04 y	2.02e+07	7290	1,2,3,4,6,7,8-HpCDF
43:03	2.90e+07	2.81e+07	1.03 y	5.71e+07	19100	

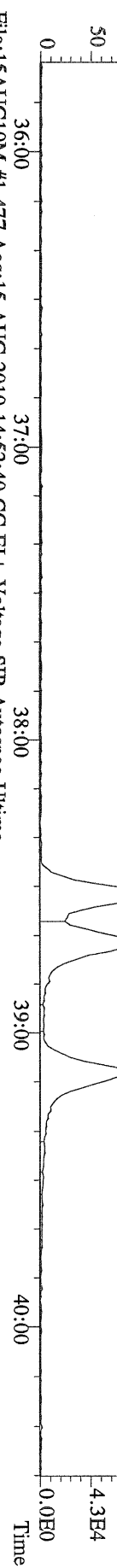
File:15AUG10M #1-477 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
 100%



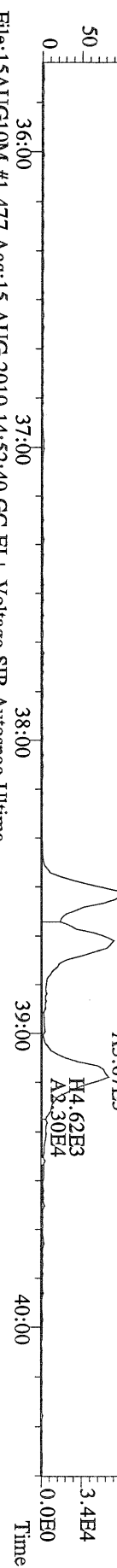
File:15AUG10M #1-477 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
 100%



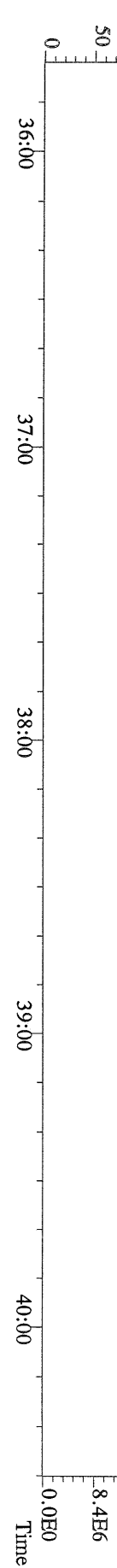
File:15AUG10M #1-477 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
 100%



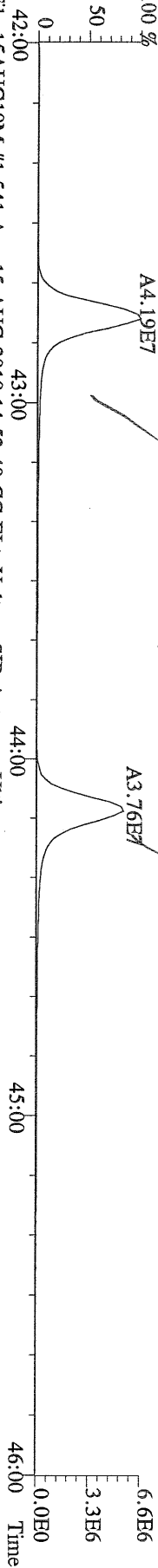
File:15AUG10M #1-477 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
 100%



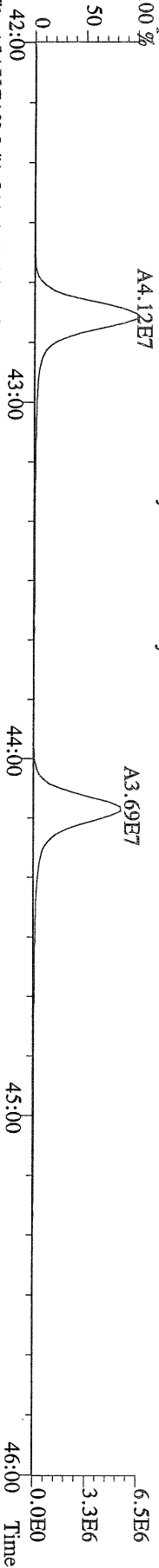
File:15AUG10M #1-477 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 380.9760 S:4 F:3 Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
 100%



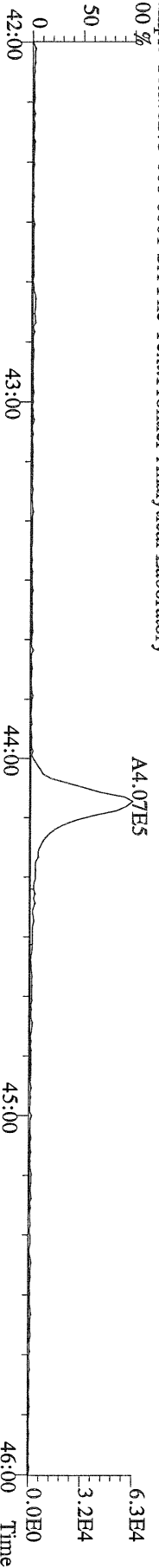
File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
100 %



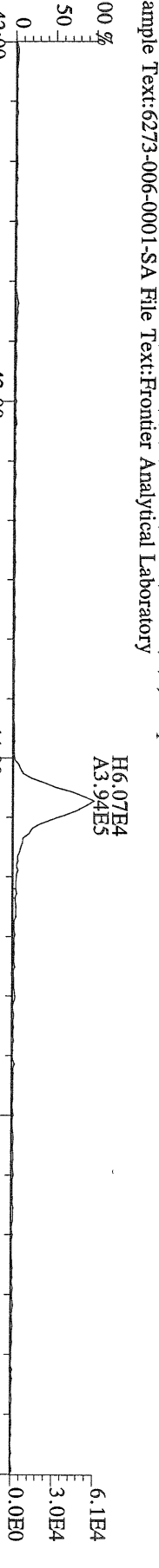
File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
100 %



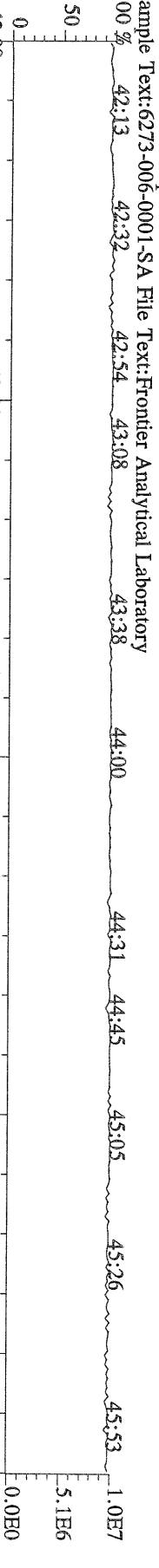
File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory  
100 %



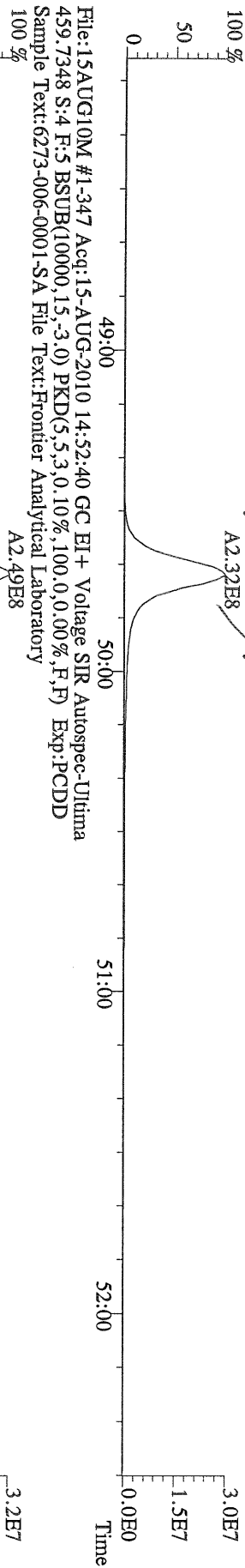
File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



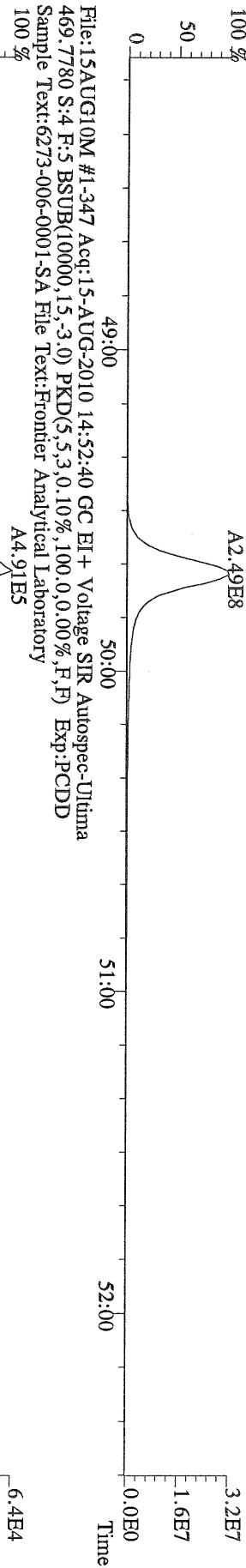
File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:4 F:4 Exp:PCDD  
Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



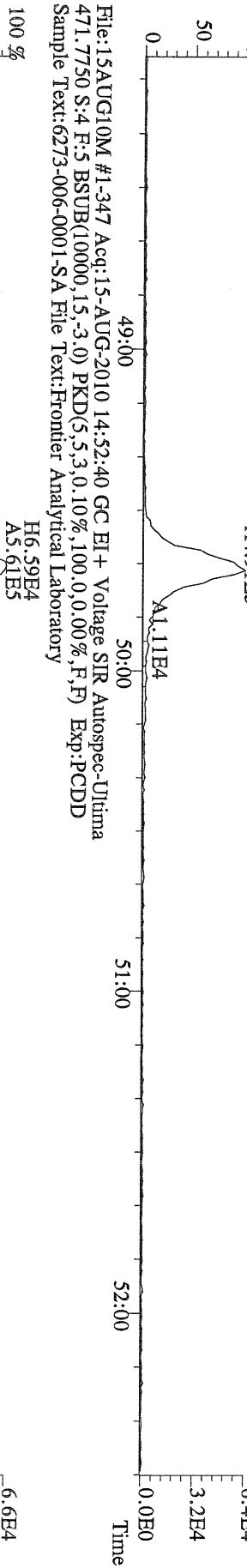
File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



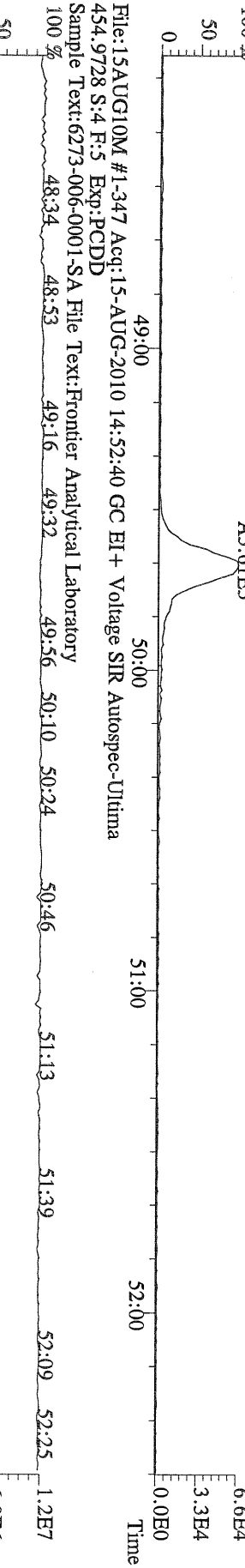
File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



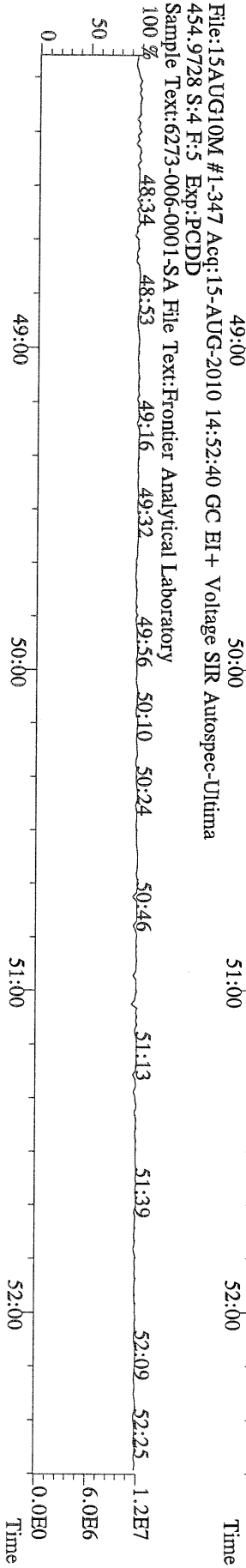
File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory

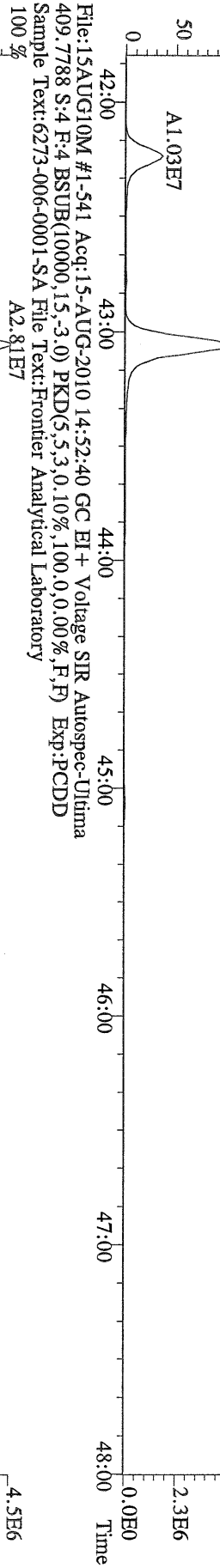


File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 454.9728 S:4 F:5 Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory

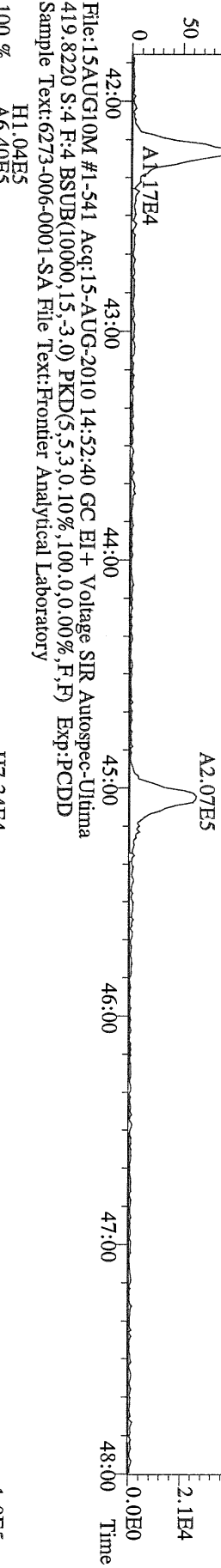


File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 454.9728 S:4 F:5 Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory

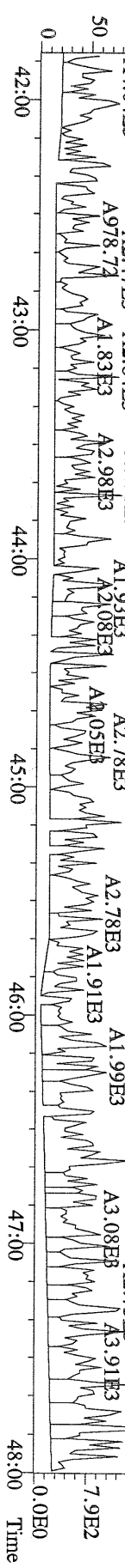
File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Fronter Analytical Laboratory  
 100 %



File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Fronter Analytical Laboratory  
 100 %

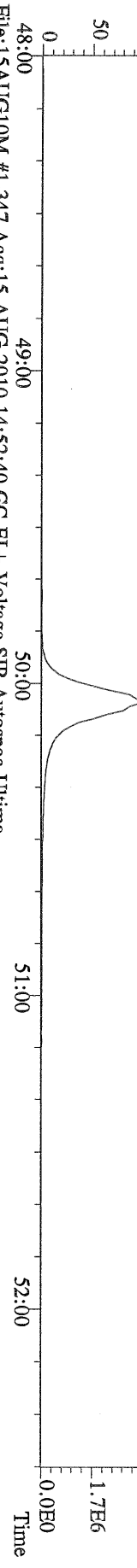


File:15AUG10M #1-541 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:PCDD  
 Sample Text:6273-006-0001-SA File Text:Fronter Analytical Laboratory  
 100 %

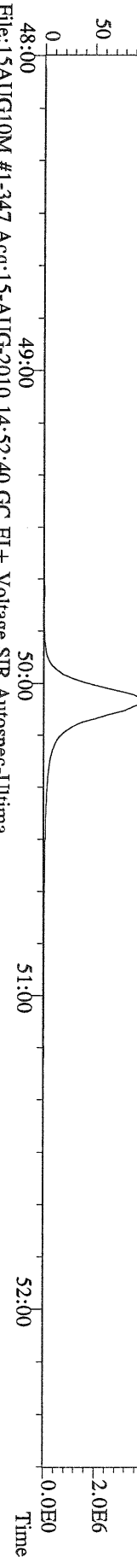




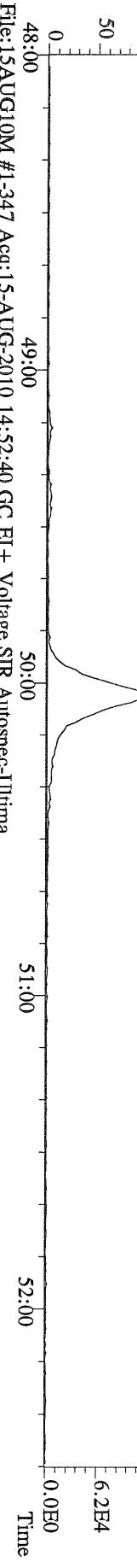
File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



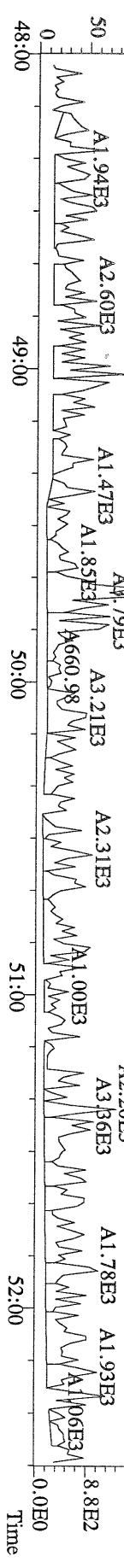
File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory



File:15AUG10M #1-347 Acq:15-AUG-2010 14:52:40 GC EI+ Voltage SIR Autospec-Ultima  
 513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD  
 Sample Text:6273-006-0001-SA File Text:Frontier Analytical Laboratory





Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 13 File: 10AUG10N S: 7 I: 1 F: 1  
Acquired: 10-AUG-10 22:08:49

Total Concentration: 209

Unnamed Concentration: 197.225

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:24	1.08e+05	1.62e+05	0.67 y	2.71e+05	5.10	
24:41	1.46e+05	2.13e+05	0.68 y	3.59e+05	6.76	
25:00	3.53e+05	4.89e+05	0.72 y	8.42e+05	15.9	
25:37	2.89e+05	3.93e+05	0.74 y	6.82e+05	12.9	
25:47	6.99e+05	9.62e+05	0.73 y	1.66e+06	31.3	
25:58	4.02e+05	5.56e+05	0.72 y	9.57e+05	18.0	
26:07	1.62e+05	2.24e+05	0.72 y	3.86e+05	7.27	
26:19	1.54e+05	2.21e+05	0.70 y	3.75e+05	7.06	
26:29	3.31e+05	4.69e+05	0.71 y	8.00e+05	15.1	
26:47	5.76e+05	8.06e+05	0.71 y	1.38e+06	26.0	
27:09	2.32e+05	3.28e+05	0.71 y	5.59e+05	10.5	
27:17	2.11e+05	2.71e+05	0.78 y	4.82e+05	9.08	
27:25	2.64e+05	3.86e+05	0.68 y	6.50e+05	12.2	2,3,7,8-TCDD
27:42	3.30e+05	4.68e+05	0.71 y	7.98e+05	15.0	
27:49	1.05e+05	1.44e+05	0.73 y	2.49e+05	4.69	
28:21	2.78e+05	3.93e+05	0.71 y	6.71e+05	12.6	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 13 File: 10AUG10N  
Acquired: 10-AUG-10 22:08:49

S: 7 I: 1 F: 2

Total Concentration: 628

Unnamed Concentration: 560.038

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	3.21e+06	1.97e+06	1.63 y	5.18e+06	109	
30:51	2.22e+06	1.38e+06	1.60 y	3.60e+06	76.0	
31:29	8.63e+05	5.43e+05	1.59 y	1.41e+06	29.7	
31:43	2.43e+06	1.48e+06	1.64 y	3.90e+06	82.4	
31:50	1.29e+06	7.83e+05	1.64 y	2.07e+06	43.7	
32:08	3.64e+06	2.24e+06	1.63 y	5.88e+06	124	
32:38	7.21e+05	4.28e+05	1.69 y	1.15e+06	24.3	
33:14	1.99e+06	1.23e+06	1.62 y	3.23e+06	68.2	1,2,3,7,8-PeCDD
33:20	7.42e+05	4.31e+05	1.72 y	1.17e+06	24.8	
33:49	1.35e+06	8.16e+05	1.65 y	2.16e+06	45.6	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 13

File: 10AUG10N

S: 7 I: 1 F: 3

Acquired: 10-AUG-10 22:08:49

Total Concentration: 4790

Unnamed Concentration: 3807.787

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:08	3.08e+07	2.30e+07	1.34 y	5.38e+07	1360	
37:04	4.31e+06	3.13e+06	1.38 y	7.43e+06	188	
37:30	4.60e+07	3.41e+07	1.35 y	8.01e+07	2030	
37:40	2.70e+06	1.92e+06	1.40 y	4.62e+06	117	
38:35	2.22e+06	1.60e+06	1.39 y	3.83e+06	93.3	1,2,3,4,7,8-HxCDD
38:46	1.34e+07	9.93e+06	1.35 y	2.34e+07	601	1,2,3,6,7,8-HxCDD
39:03	2.65e+06	1.88e+06	1.41 y	4.53e+06	115	
39:12	6.39e+06	4.60e+06	1.39 y	1.10e+07	284	1,2,3,7,8,9-HxCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 13

File: 10AUG10N

S: 7 I: 1 F: 1

Acquired: 10-AUG-10 22:08:49

Total Concentration: 54.5

Unnamed Concentration: 53.304

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:02	1.54e+04	1.98e+04	0.78 y	3.52e+04	0.300	
23:25	1.44e+05	2.02e+05	0.71 y	3.46e+05	2.95	
23:48	4.72e+05	7.11e+05	0.66 y	1.18e+06	10.1	
24:08	2.16e+05	3.24e+05	0.67 y	5.40e+05	4.61	
24:26	1.69e+05	2.56e+05	0.66 y	4.25e+05	3.62	
24:44	2.69e+05	4.08e+05	0.66 y	6.78e+05	5.78	
24:58	4.97e+04	6.95e+04	0.71 y	1.19e+05	1.02	
25:20	8.30e+04	1.24e+05	0.67 y	2.07e+05	1.77	
25:27	2.73e+05	4.03e+05	0.68 y	6.77e+05	5.77	
25:34	1.56e+05	2.32e+05	0.67 y	3.88e+05	3.31	
25:55	7.31e+04	1.04e+05	0.70 y	1.77e+05	1.51	
26:09	4.68e+04	6.39e+04	0.73 y	1.11e+05	0.944	
26:17	5.97e+04	9.00e+04	0.66 y	1.50e+05	1.28	
26:28	6.06e+04	9.13e+04	0.66 y	1.52e+05	1.30	
26:33	6.69e+04	1.01e+05	0.67 y	1.67e+05	1.43	
26:39	6.12e+04	8.23e+04	0.74 y	1.44e+05	1.22	2,3,7,8-TCDF
26:59	1.07e+05	1.57e+05	0.68 y	2.64e+05	2.25	
27:14	1.51e+04	1.76e+04	0.86 y	3.26e+04	0.278	
28:28	2.43e+05	3.54e+05	0.69 y	5.97e+05	5.09	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 13      File: 10AUG10N      S: 7 I: 1 F: 1  
Acquired: 10-AUG-10 22:08:49

Total Concentration: 171      Unnamed Concentration: 170.752

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:27	6.35e+06	3.89e+06	1.63 y	1.02e+07	171	

Totals class: Total Penta-Furans

Entry #: 44

Run: 13

File: 10AUG10N

S: 7 I: 1 F: 2

Acquired: 10-AUG-10 22:08:49

Total Concentration: 135

Unnamed Concentration: 120.992

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:05	2.70e+05	1.97e+05	1.37 y	4.67e+05	7.79	
30:14	2.29e+06	1.55e+06	1.47 y	3.84e+06	64.1	
30:44	7.69e+04	5.67e+04	1.36 y	1.34e+05	2.23	
30:56	8.63e+05	6.09e+05	1.42 y	1.47e+06	24.6	
31:15	8.79e+04	6.35e+04	1.38 y	1.51e+05	2.53	
31:29	1.65e+05	1.11e+05	1.48 y	2.75e+05	4.60	1,2,3,7,8-PeCDF
31:50	2.83e+05	2.01e+05	1.40 y	4.84e+05	8.07	
32:32	2.31e+04	1.68e+04	1.37 y	3.99e+04	0.666	
32:40	9.45e+04	6.87e+04	1.38 y	1.63e+05	2.72	
32:49	3.63e+05	2.29e+05	1.58 y	5.92e+05	9.84	2,3,4,7,8-PeCDF
32:51	2.87e+05	2.12e+05	1.35 y	4.98e+05	8.31	



Totals class: Total Hexa-Furans

Entry #: 45

Run: 13

File: 10AUG10N

S: 7 I: 1 F: 3

Acquired: 10-AUG-10 22:08:49

Total Concentration: 3730

Unnamed Concentration: 3568.169

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:15	5.58e+06	4.59e+06	1.22 y	1.02e+07	185	
35:31	2.52e+07	2.11e+07	1.20 y	4.63e+07	842	
36:07	9.53e+05	7.79e+05	1.22 y	1.73e+06	31.5	
36:25	7.63e+07	6.13e+07	1.25 y	1.38e+08	2500	
37:03	1.42e+05	1.12e+05	1.27 y	2.54e+05	4.61	
37:12	1.76e+06	1.42e+06	1.24 y	3.17e+06	54.5	1,2,3,4,7,8-HxCDF
37:24	1.18e+06	1.01e+06	1.18 y	2.19e+06	37.2	1,2,3,6,7,8-HxCDF
37:51	1.85e+05	1.36e+05	1.36 y	3.22e+05	5.84	
38:21	1.88e+06	1.53e+06	1.23 y	3.41e+06	65.1	2,3,4,6,7,8-HxCDF
39:50	2.14e+05	1.72e+05	1.25 y	3.86e+05	7.55	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 13

File: 10AUG10N

S: 7 I: 1 F: 4

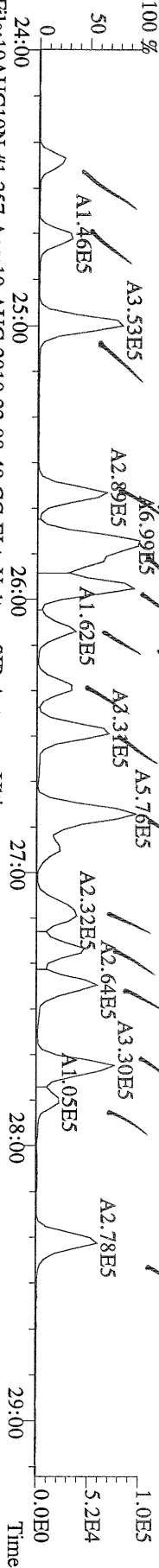
Acquired: 10-AUG-10 22:08:49

Total Concentration: 198

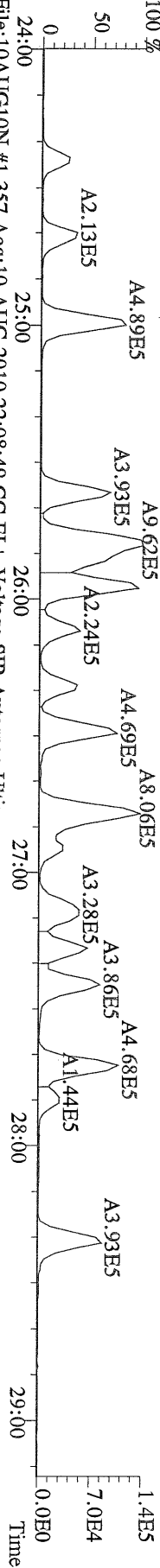
Unnamed Concentration: \*

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:50	1.39e+06	1.44e+06	0.97 y	2.82e+06	67.1	1,2,3,4,6,7,8-HpCDF
45:07	3.10e+06	2.92e+06	1.06 y	6.03e+06	131	1,2,3,4,7,8,9-HpCDF

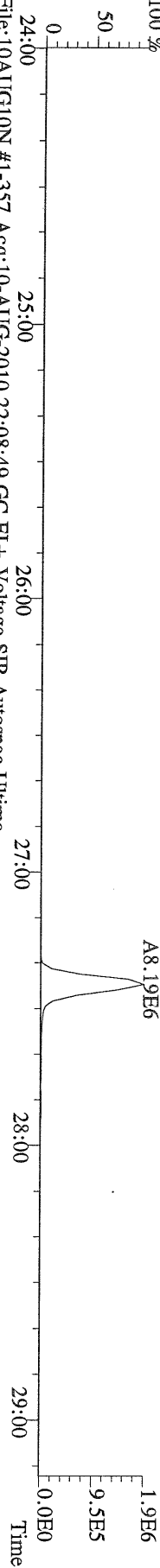
File:10AUG10N #1-357 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Ultima  
319.8965 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



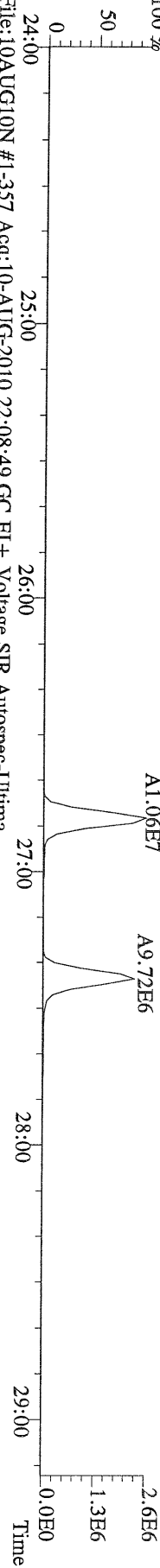
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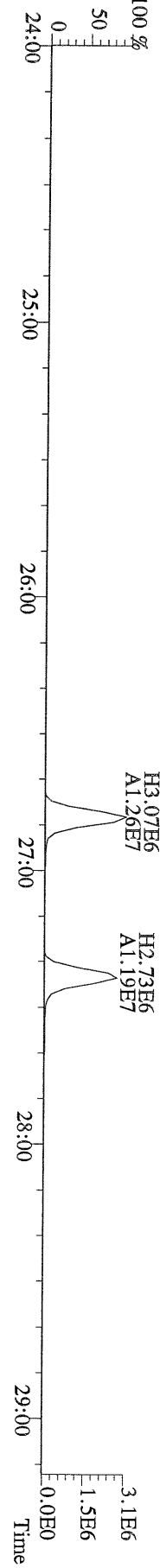
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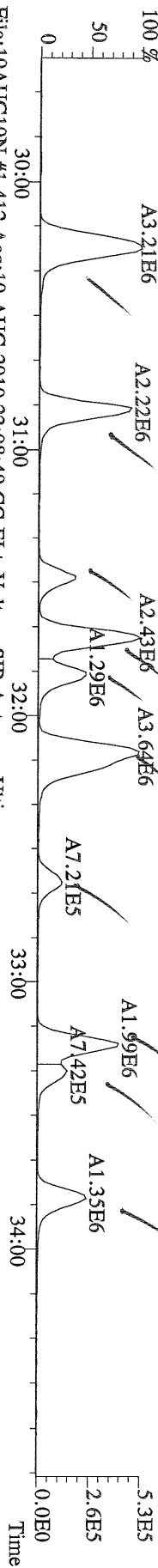
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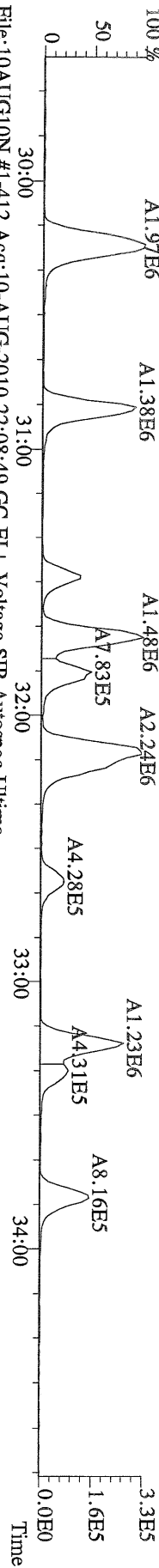
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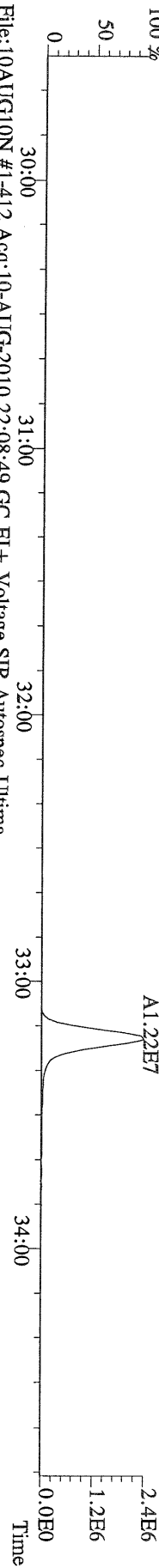
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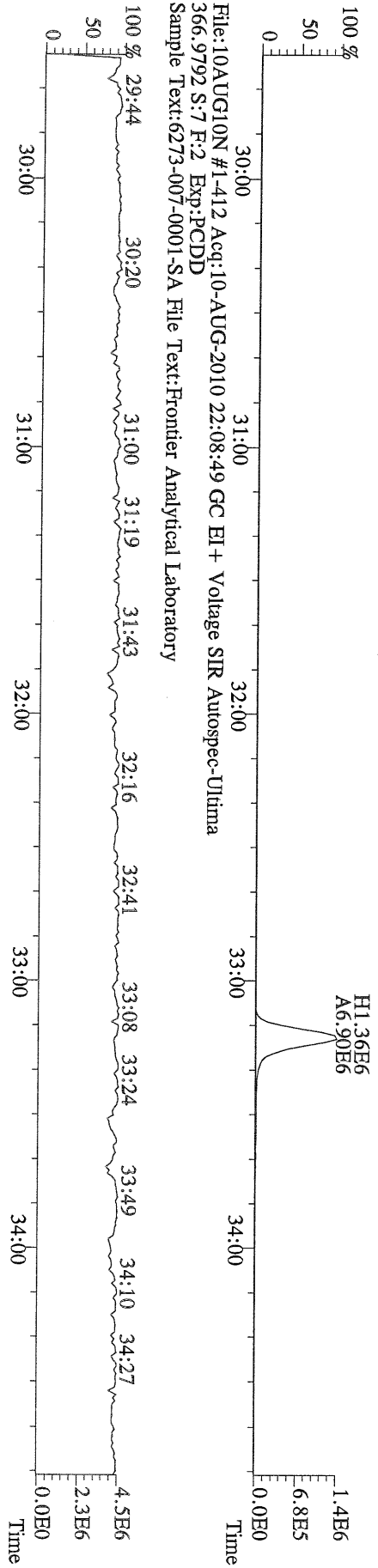
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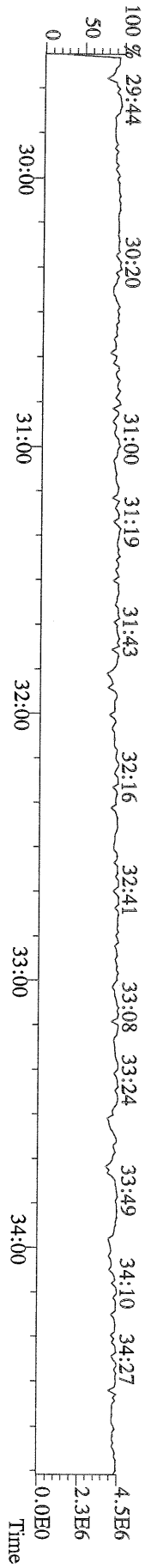
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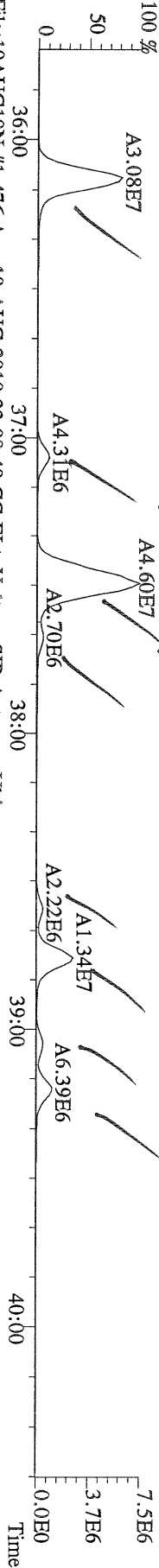
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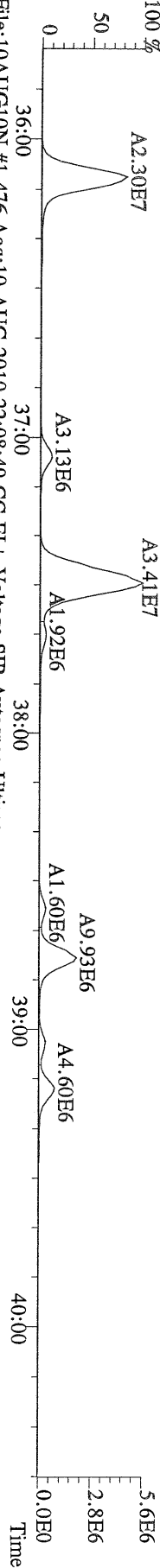
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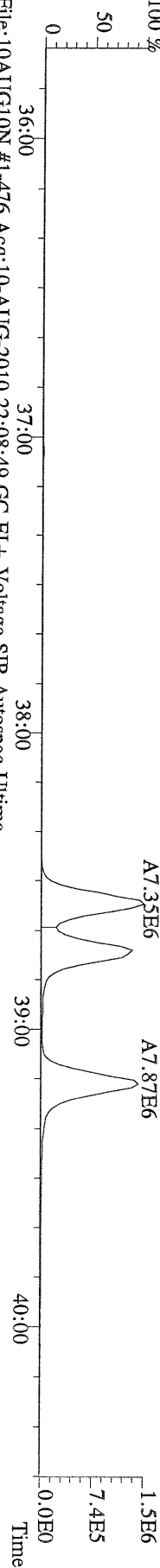
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389.8156 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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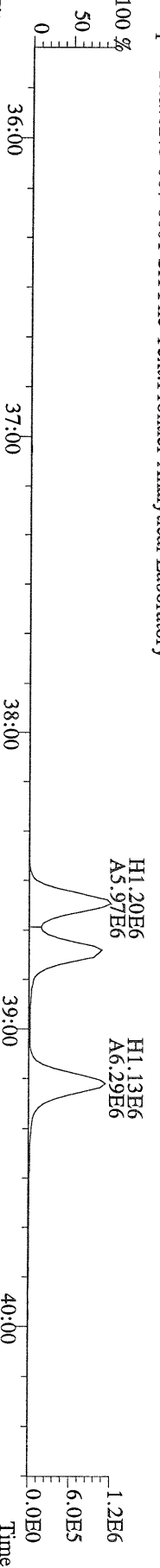
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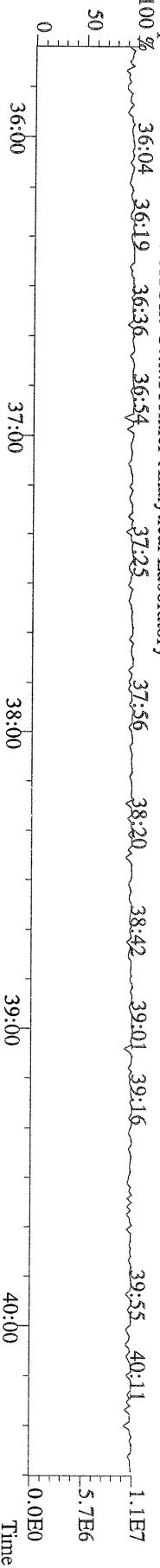
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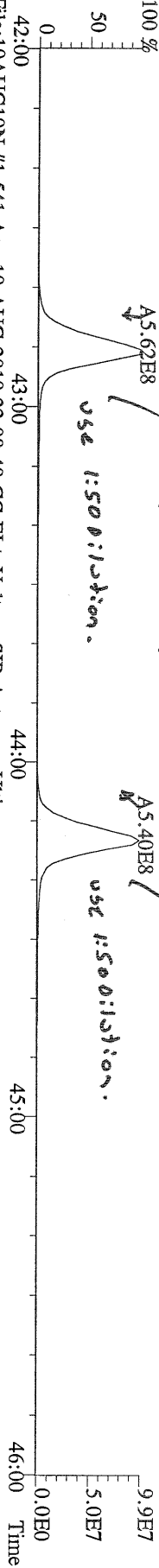
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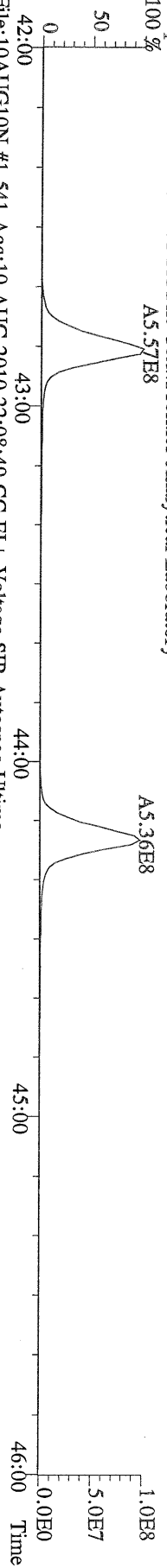
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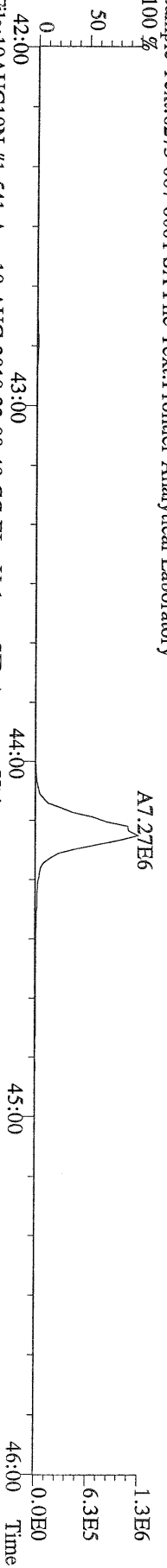
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423.7767 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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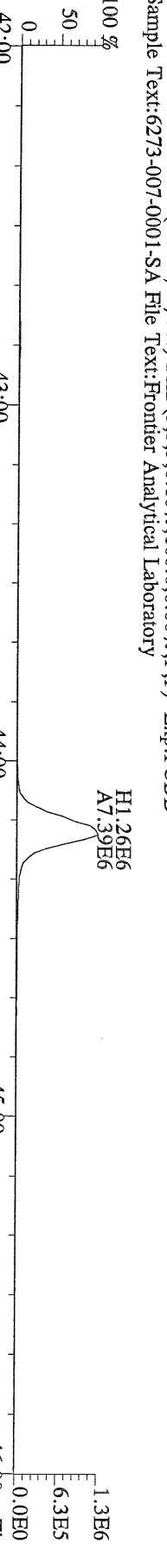
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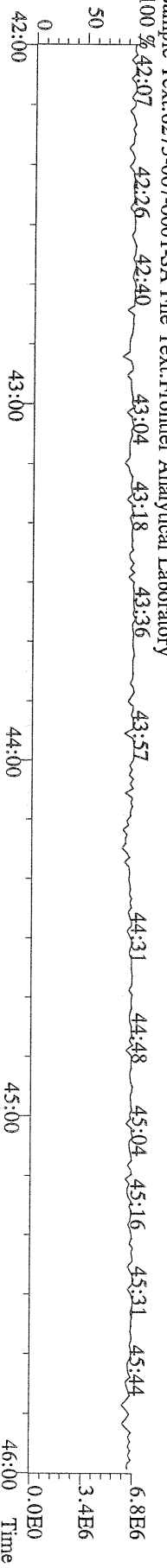
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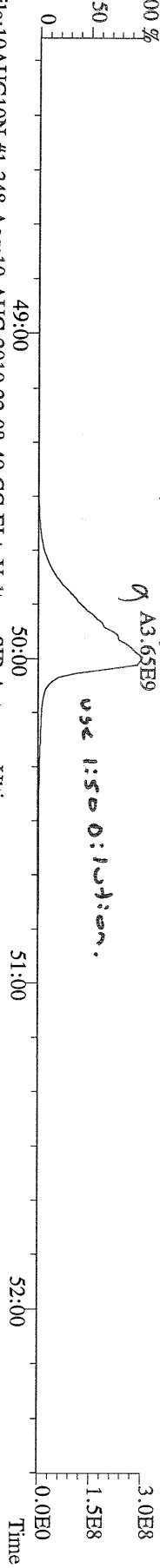
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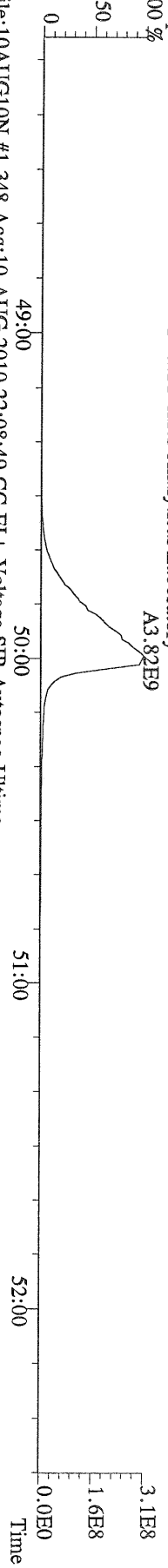
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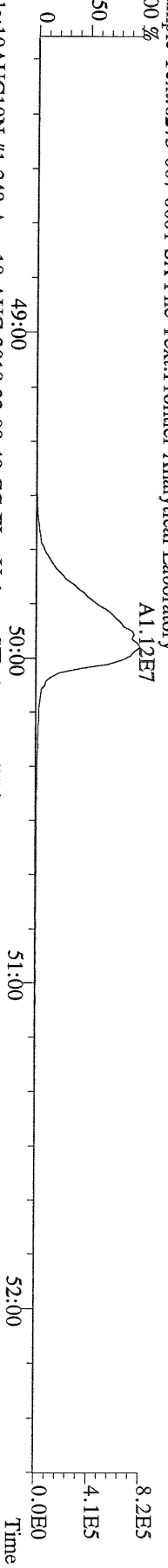
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457.7377 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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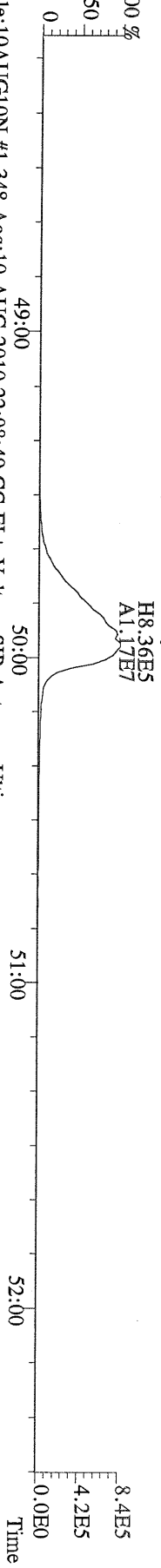
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459.7348 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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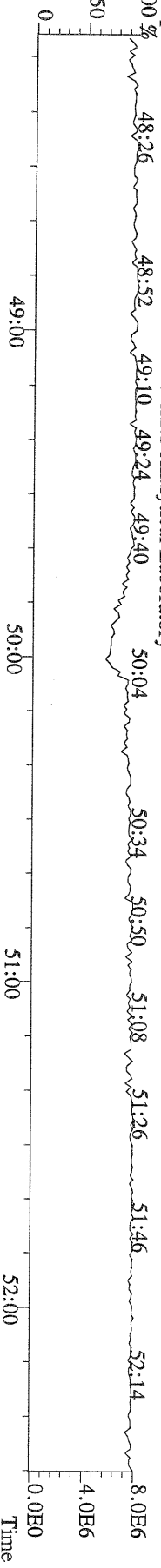
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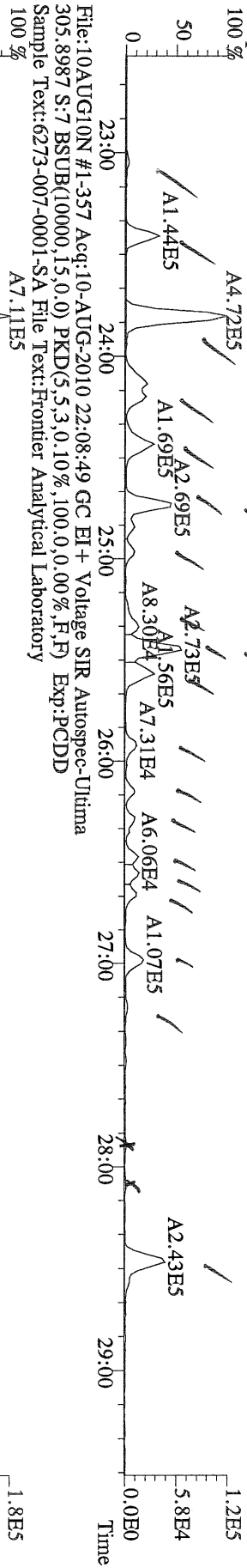
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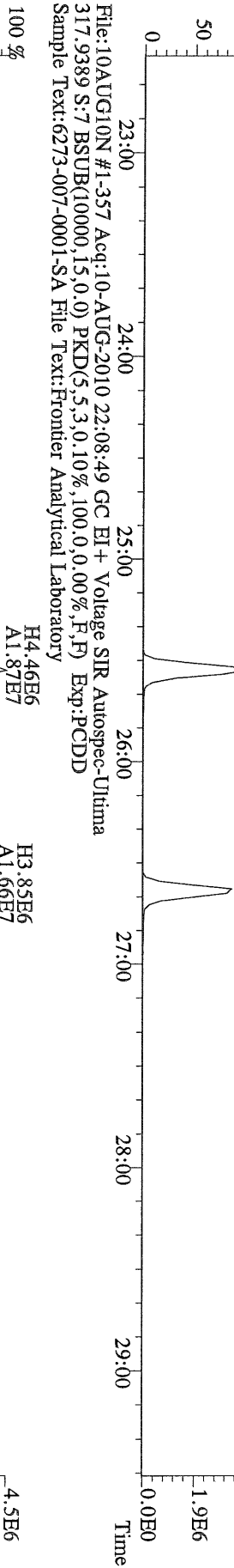
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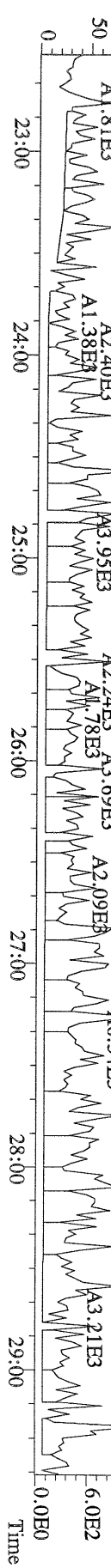
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 315.9419 S:7 BSUB(10000,15,0.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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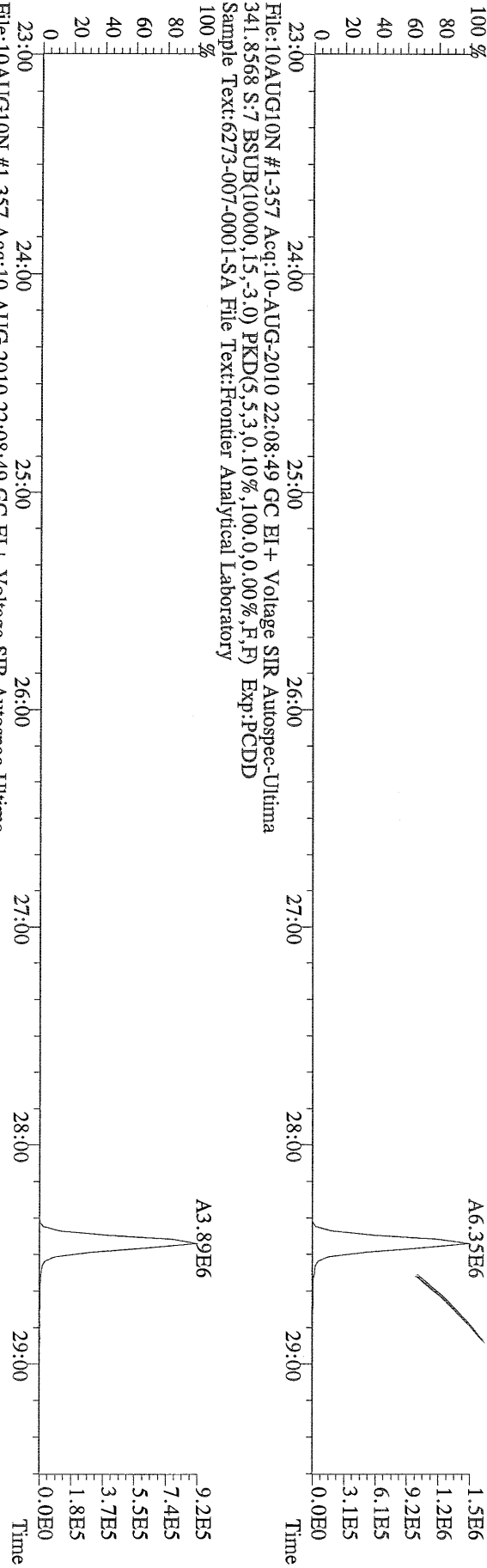


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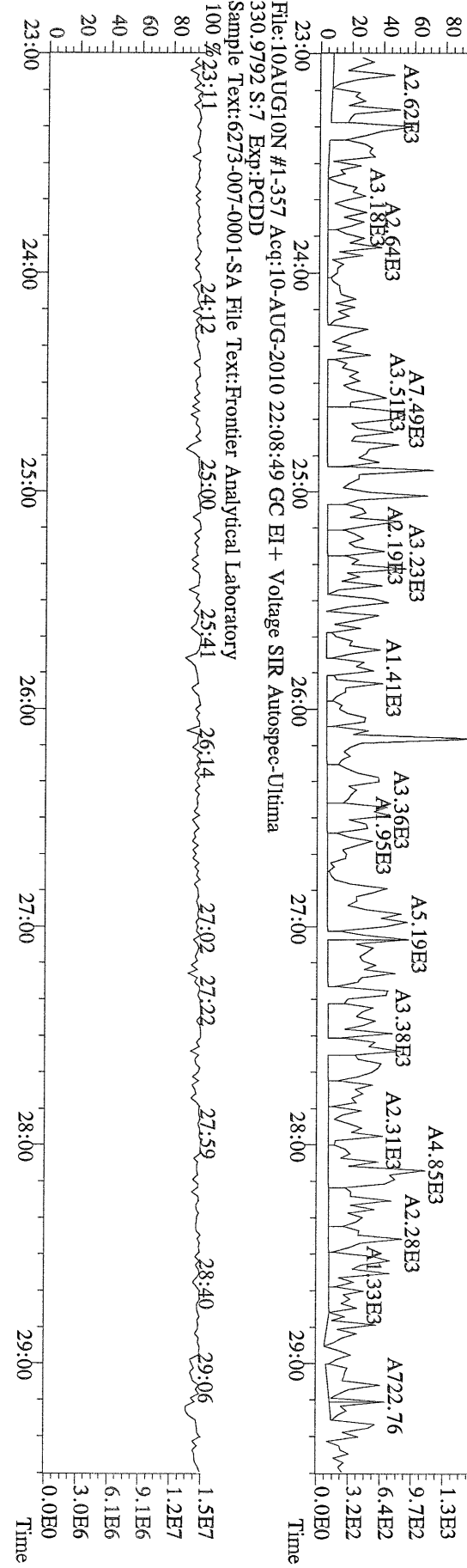




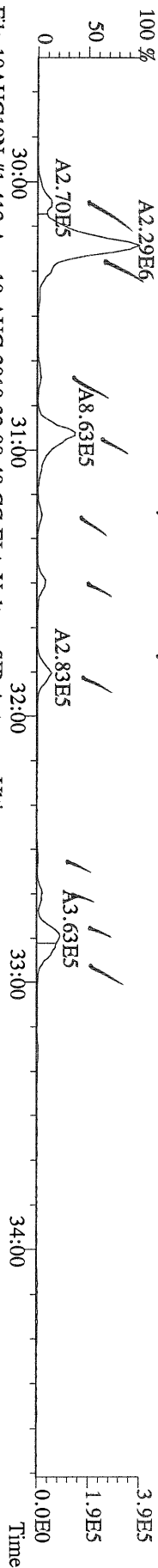
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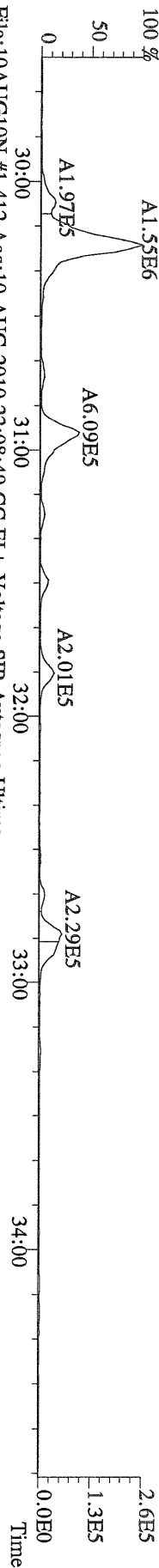
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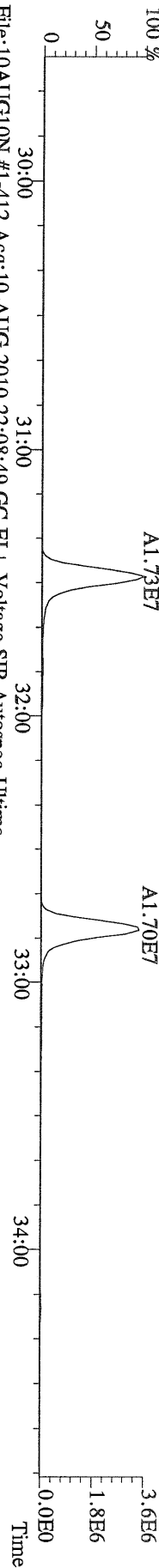
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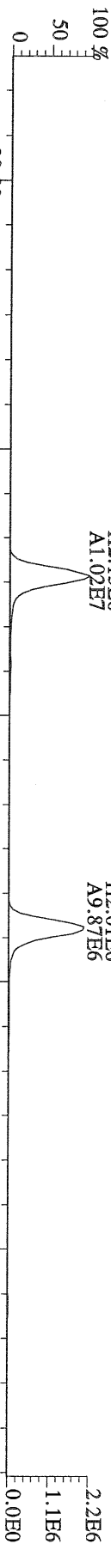
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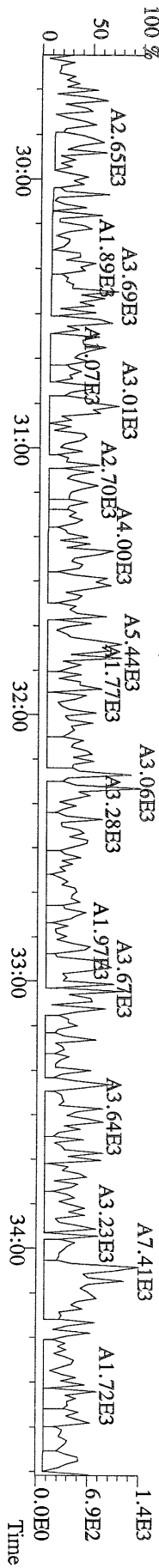
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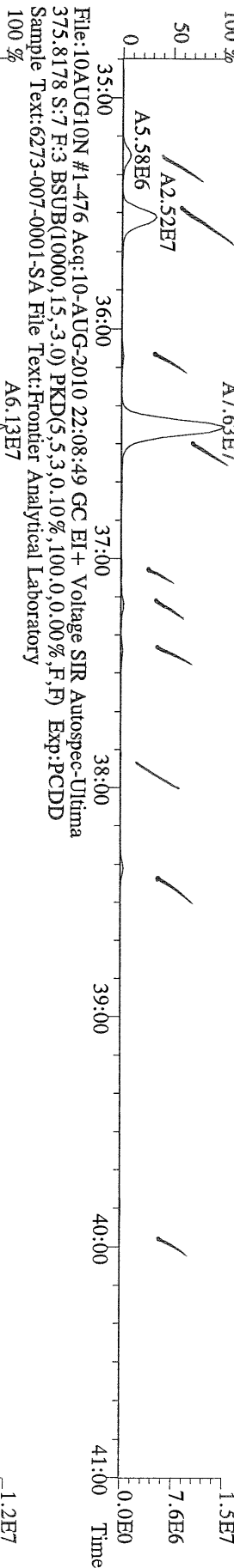
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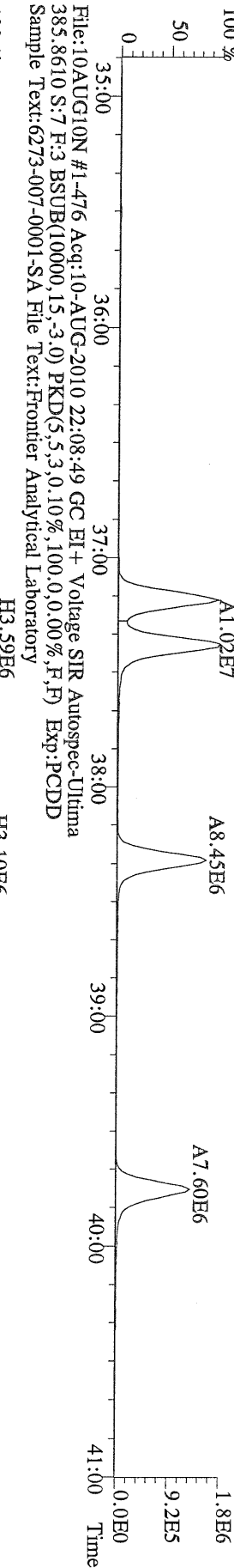
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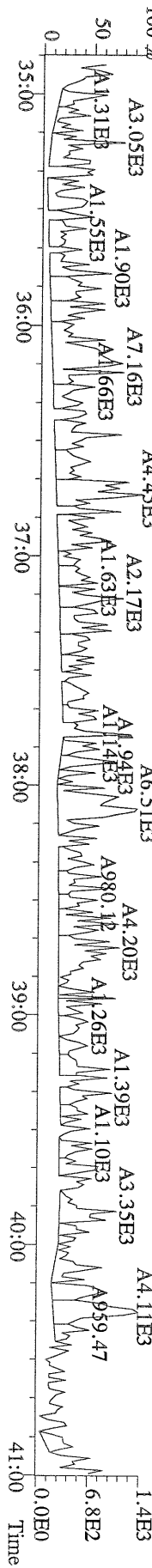
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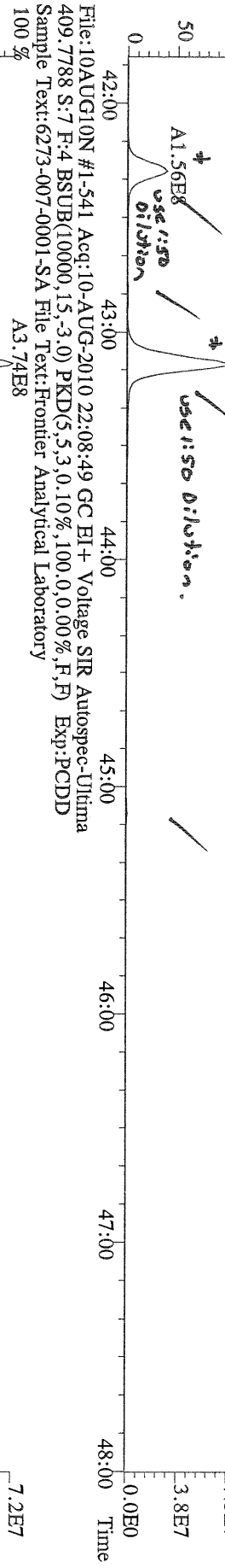
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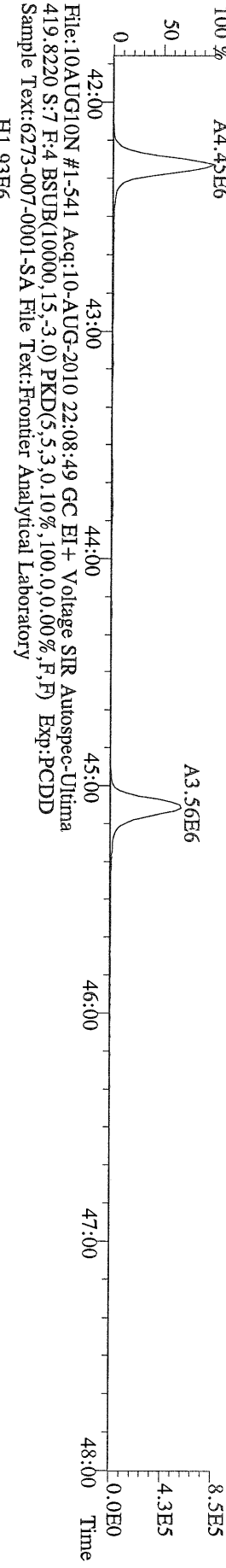
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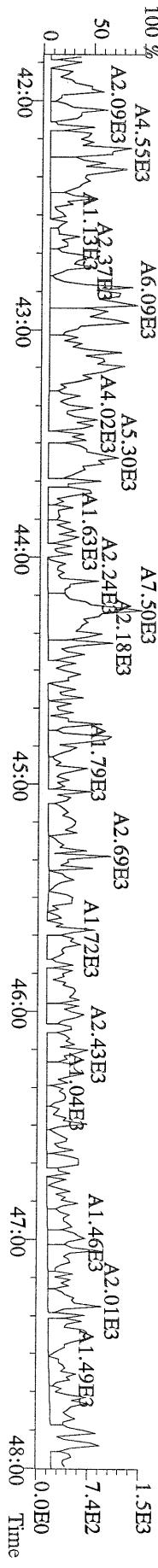
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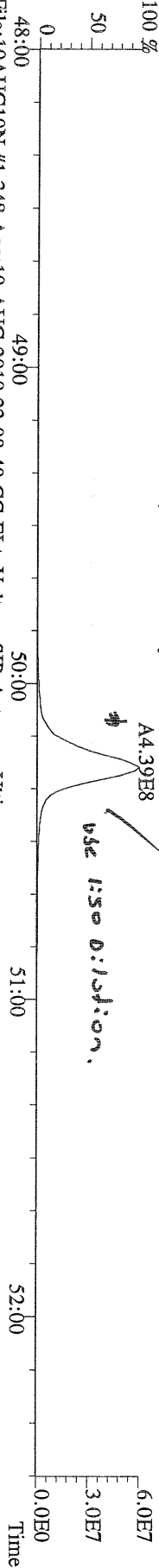
File:10AUG10N #1-541 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Utima  
 417.8253 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



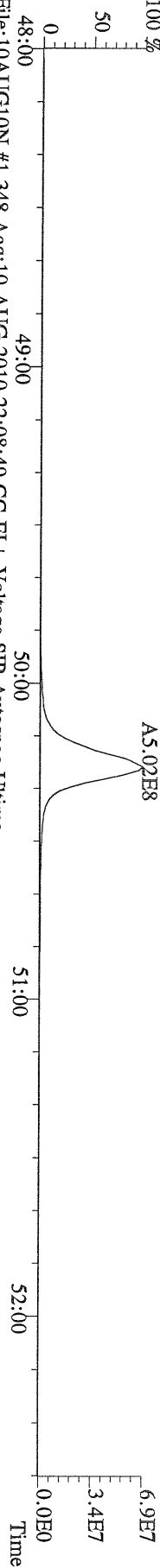
File:10AUG10N #1-541 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Utima  
 419.8220 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



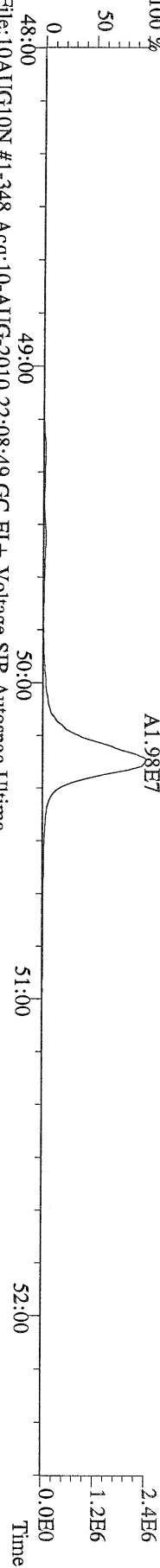
File:10AUG10N #1-348 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Utima  
441.7428 S:7 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



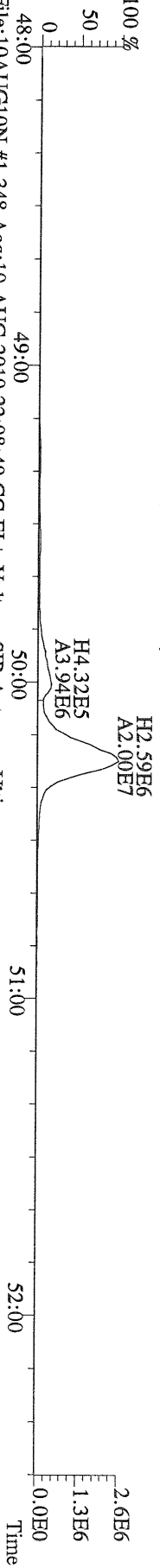
File:10AUG10N #1-348 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Utima  
443.7398 S:7 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



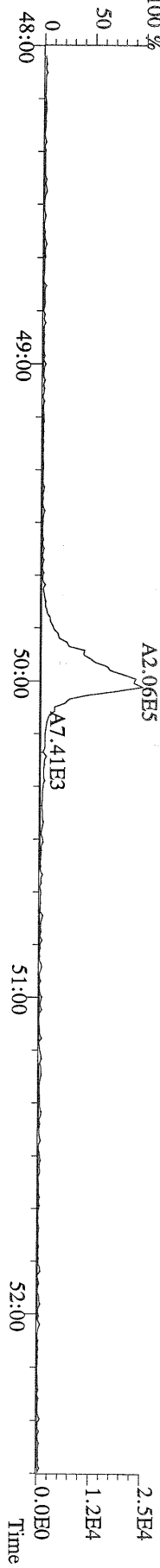
File:10AUG10N #1-348 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Utima  
453.7831 S:7 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-348 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Utima  
455.7801 S:7 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-348 Acq:10-AUG-2010 22:08:49 GC EI+ Voltage SIR Autospec-Utima  
513.6775 S:7 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory





Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 12

File: 15AUG10M

S: 5 I: 1 F: 4

Acquired: 15-AUG-10 15:47:58

Total Concentration: 50900

Unnamed Concentration: 27166.154

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:45	3.31e+07	3.33e+07	0.99 y	6.64e+07	27200	
44:08	2.87e+07	2.91e+07	0.99 y	5.79e+07	23700	1,2,3,4,6,7,8-HpCDD

Totals class: Total Hepta-Furans

Entry #: 46

Run: 12

File: 15AUG10M

S: 5 I: 1 F: 4

Acquired: 15-AUG-10 15:47:58

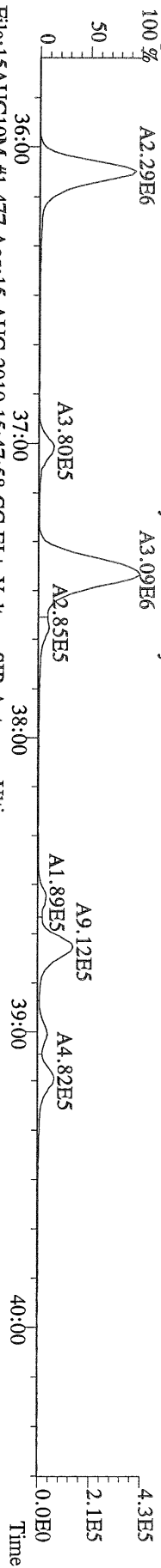
Total Concentration: 20100

Unnamed Concentration: 14148.915

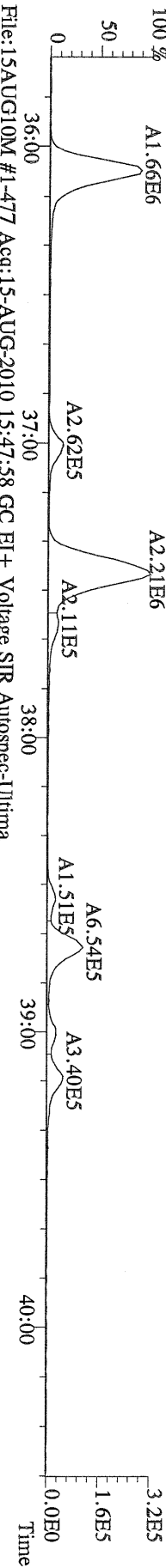
RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:14	8.31e+06	8.00e+06	1.04 y	1.63e+07	5970	1,2,3,4,6,7,8-HpCDF
43:04	2.10e+07	2.06e+07	1.02 y	4.16e+07	14100	



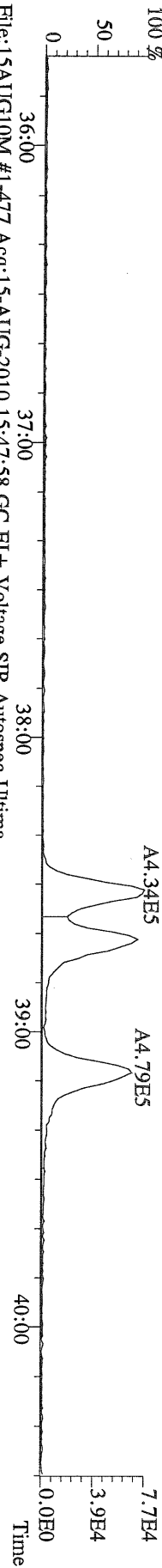
File:15AUG10M #1-477 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



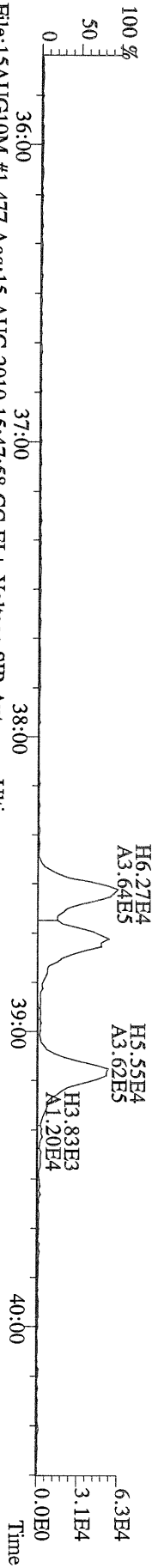
File:15AUG10M #1-477 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



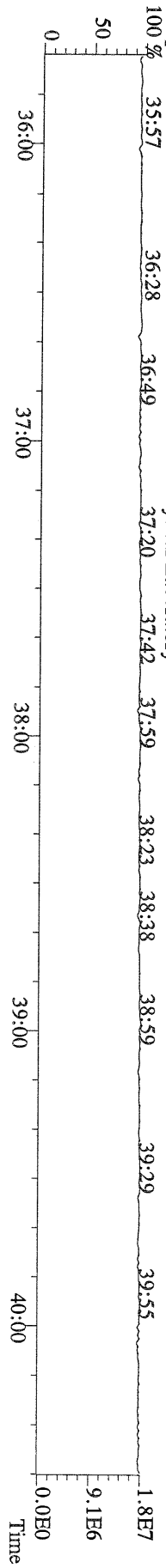
File:15AUG10M #1-477 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



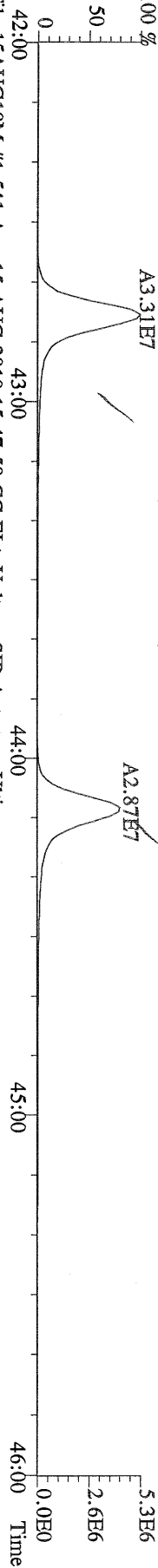
File:15AUG10M #1-477 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



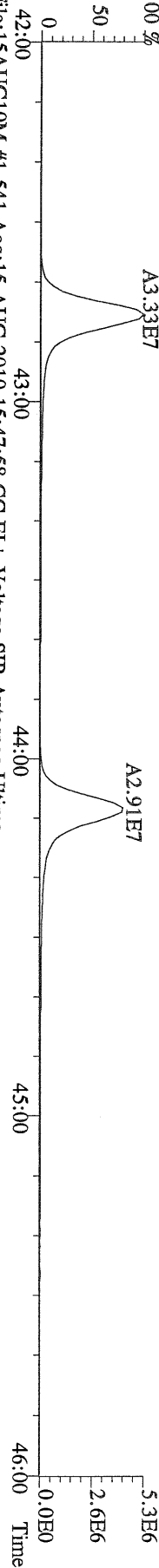
File:15AUG10M #1-477 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 380.9760 S:5 F:3 Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



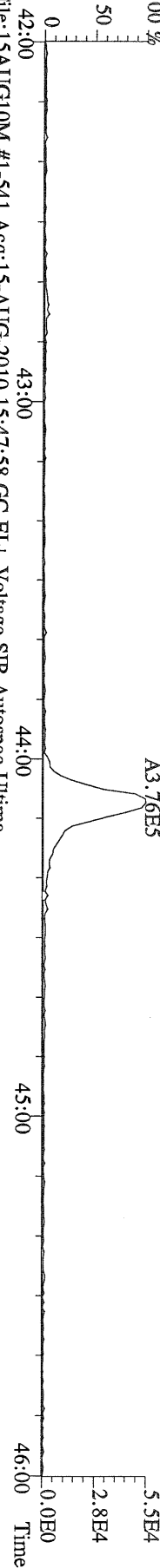
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



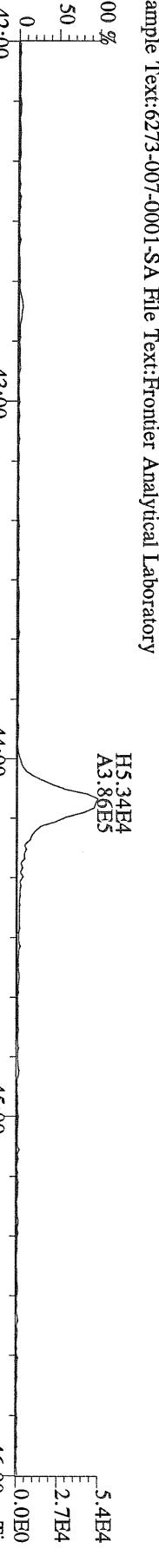
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



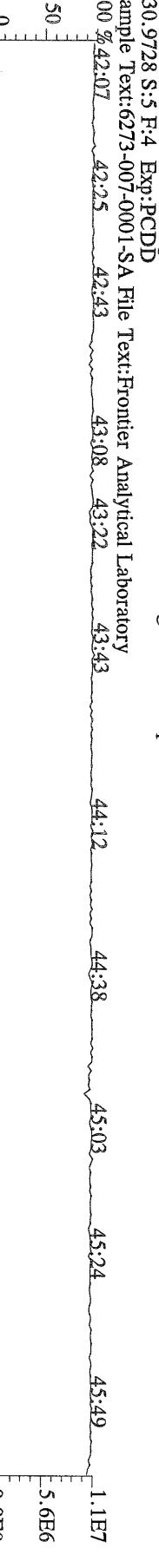
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



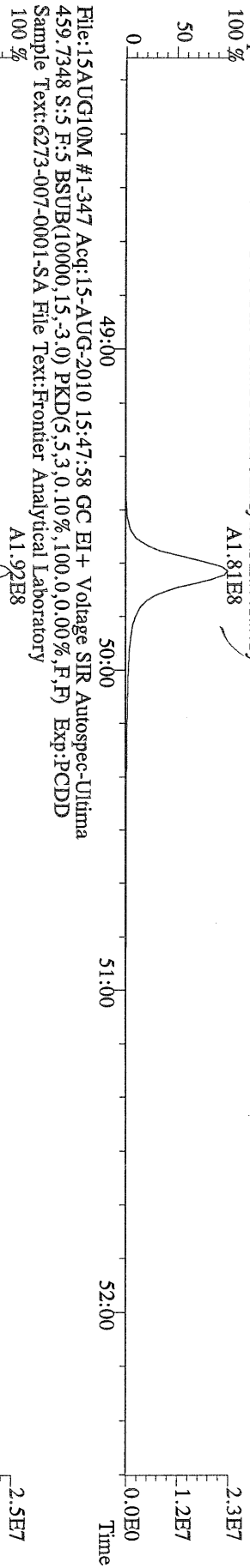
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



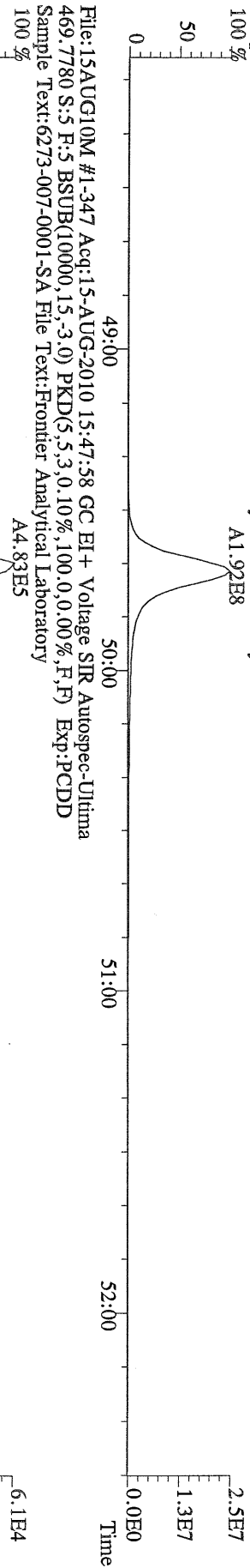
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
430.9728 S:5 F:4 Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



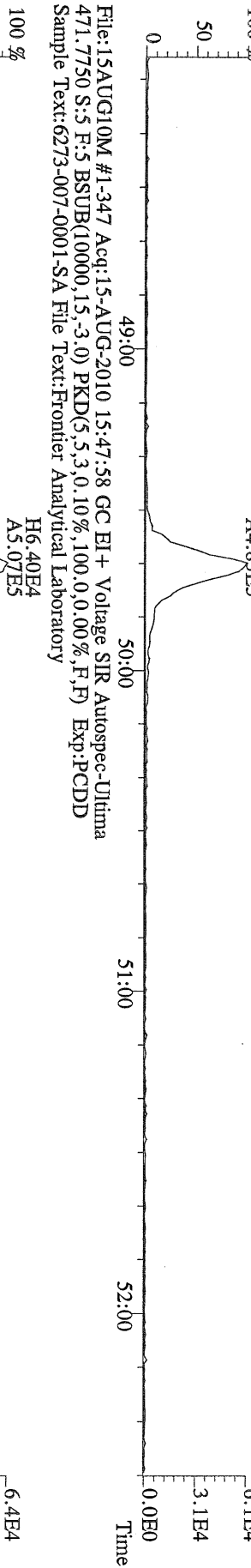
File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory  
100 %



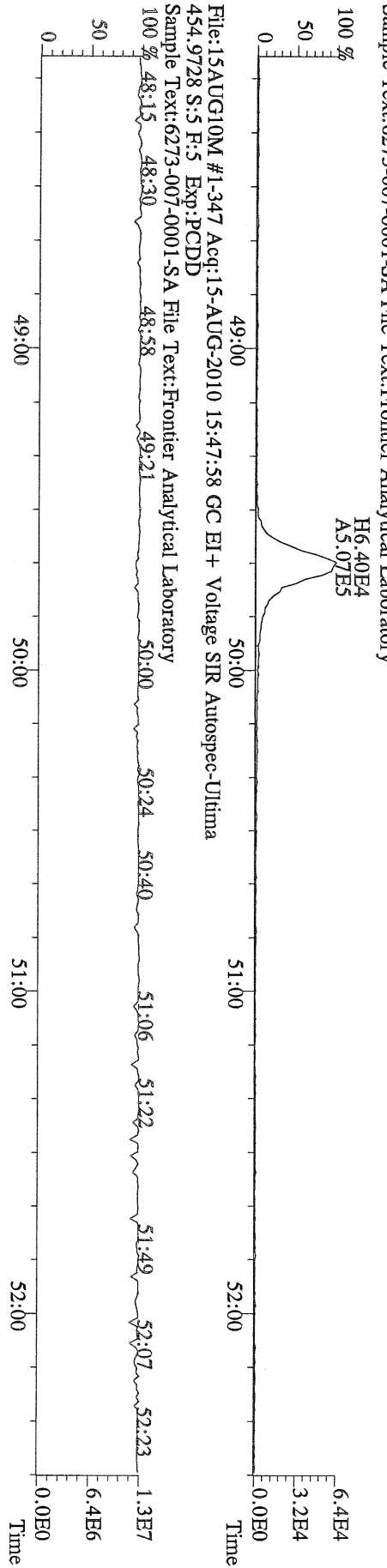
File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory  
100 %



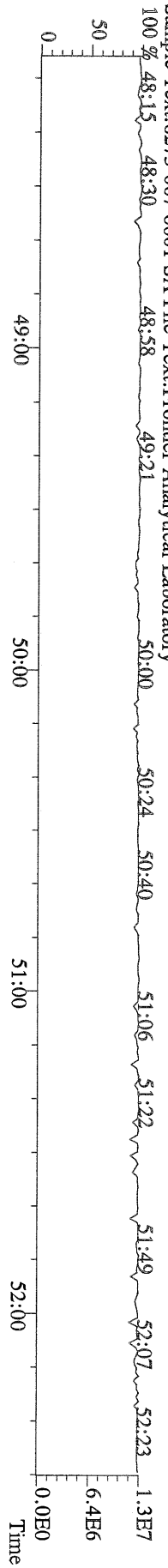
File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory  
100 %



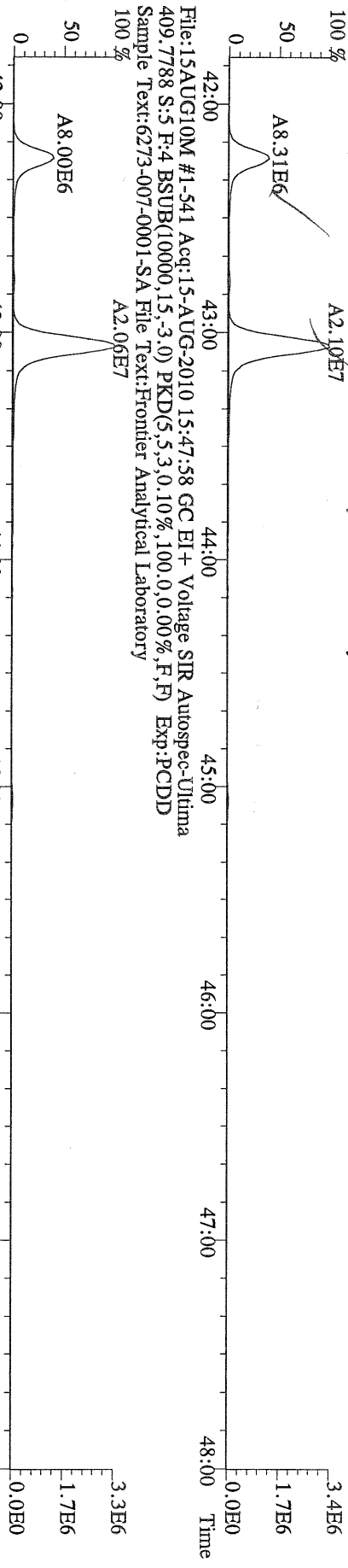
File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



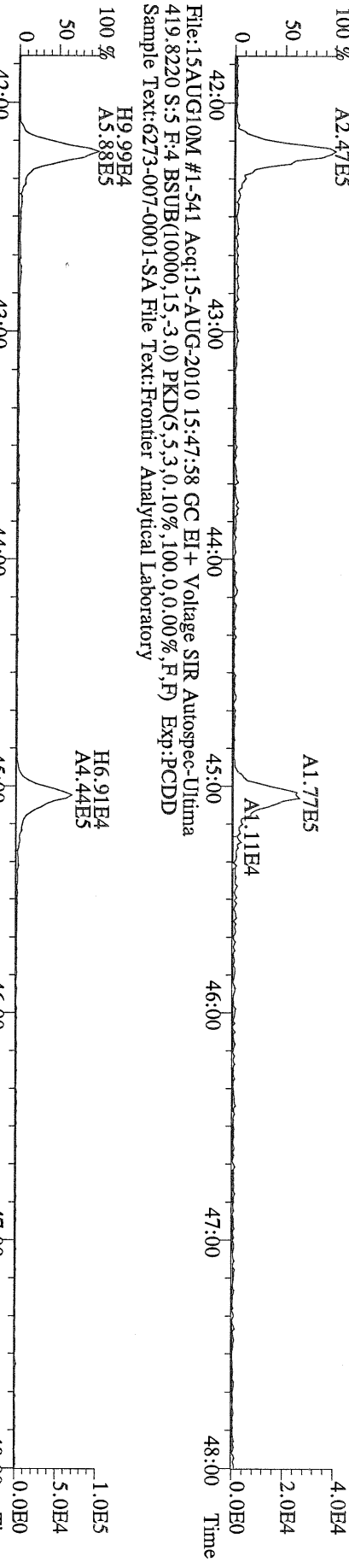
File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
454.9728 S:5 F:5 Exp:PCDD  
Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory  
100 %



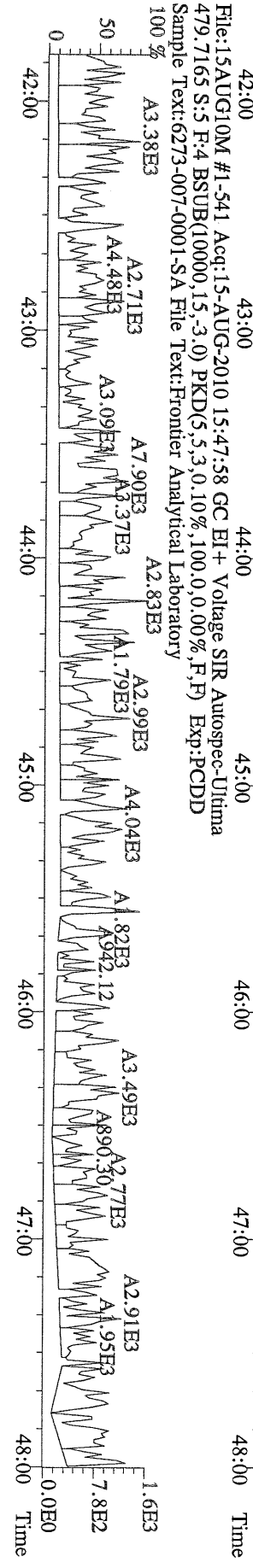
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



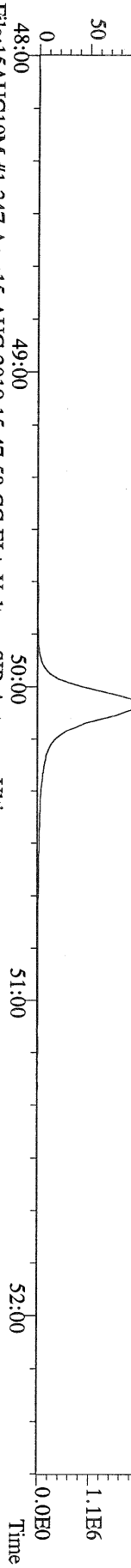
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



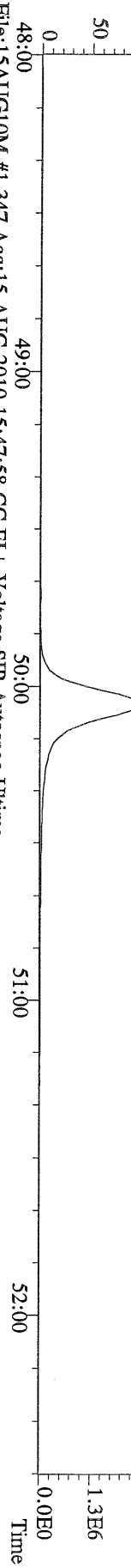
File:15AUG10M #1-541 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Frontier Analytical Laboratory



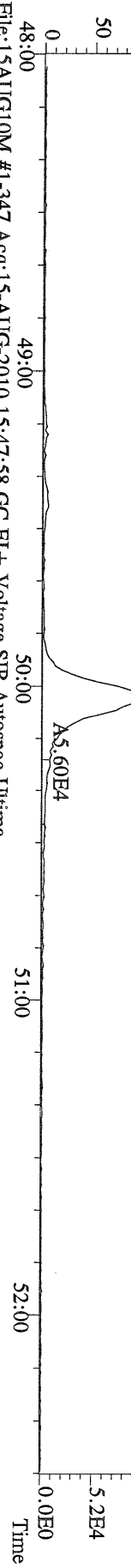
File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



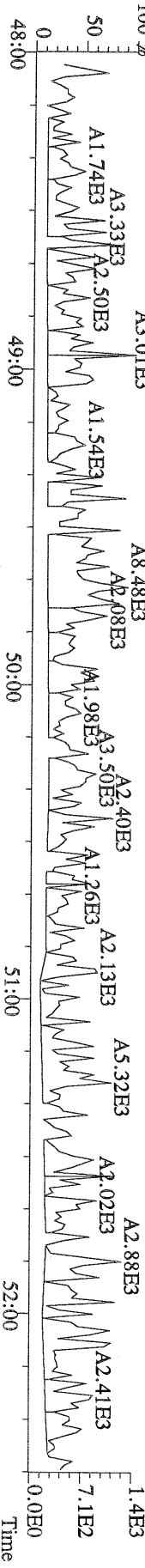
File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory




File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



File:15AUG10M #1-347 Acq:15-AUG-2010 15:47:58 GC EI+ Voltage SIR Autospec-Ultima  
 513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-007-0001-SA File Text:Fronter Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.04	*		2.50	323	610	0.223	
1,2,3,7,8-PeCDD	1.76e+04	1.41 y	33:15	1.05	0.439	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDD	3.64e+04	1.40 y	38:37	1.30	0.972	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	2.06e+05	1.41 y	38:47	1.28	5.94		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	8.38e+04	1.26 y	39:14	1.25	2.40	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	7.27e+06	1.00 y	44:12	1.35	213		2.50	-	-	*	
OCDD	4.69e+07	0.96 y	49:46	1.25	2500		2.50	-	-	*	
2,3,7,8-TCDF	2.07e+04	0.70 y	26:40	1.62	0.209	J	2.50	-	-	*	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*		2.50	592	570	0.272	
2,3,4,7,8-PeCDF	2.06e+04	1.61 y	32:51	0.94	0.396	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	7.32e+04	1.28 y	37:14	0.93	1.50	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	4.38e+04	1.17 y	37:25	0.84	0.876	J	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	6.51e+04	1.26 y	38:22	0.90	1.39	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*		2.50	575	481	0.312	
1,2,3,4,6,7,8-HpCDF	2.88e+06	1.06 y	42:17	1.38	72.7		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	7.20e+04	1.16 y	45:07	1.62	1.87	J	2.50	-	-	*	
OCDF	5.93e+06	0.88 y	50:08	0.74	290		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.03e+07	0.84 y	27:23	0.93	492					104	
13C-1,2,3,7,8-PeCDD	1.80e+07	1.76 y	33:13	0.81	500					106	
13C-1,2,3,4,7,8-HxCDD	1.36e+07	1.23 y	38:35	0.95	511					108	
13C-1,2,3,6,7,8-HxCDD	1.28e+07	1.24 y	38:45	1.00	456					96.8	
13C-1,2,3,4,6,7,8-HpCDD	1.19e+07	0.98 y	44:10	0.92	458					97.1	
13C-OCDD	1.42e+07	0.92 y	49:45	0.63	797					84.4	
13C-2,3,7,8-TCDF	2.89e+07	0.87 y	26:38	0.87	515					109	
13C-1,2,3,7,8-PeCDF	2.63e+07	1.69 y	31:29	0.81	504					107	
13C-2,3,4,7,8-PeCDF	2.59e+07	1.70 y	32:49	0.75	534					113	
13C-1,2,3,4,7,8-HxCDF	2.47e+07	0.52 y	37:12	1.74	504					107	
13C-1,2,3,6,7,8-HxCDF	2.82e+07	0.52 y	37:24	2.17	461					97.8	
13C-2,3,4,6,7,8-HxCDF	2.47e+07	0.53 y	38:20	1.82	483					102	
13C-1,2,3,7,8,9-HxCDF	2.20e+07	0.52 y	39:46	1.49	525					111	
13C-1,2,3,4,6,7,8-HpCDF	1.35e+07	0.43 y	42:17	1.10	439					93.0	
13C-1,2,3,4,7,8,9-HpCDF	1.12e+07	0.43 y	45:06	0.81	486					103	
13C-OCDF	2.61e+07	0.98 y	50:07	1.19	781					82.8	
37Cl-2,3,7,8-TCDD	7.72e+06		27:24	0.93	186					98.5	
13C-1,2,3,4-TCDD	2.11e+07	0.84 y	26:49	-	14.6						
13C-1,2,3,4-TCDF	3.05e+07	0.86 y	25:32	-	13.5						
13C-1,2,3,7,8,9-HxCDD	1.33e+07	1.23 y	39:12	-	14.5						
Total Tetra-Dioxins	3.55e+04		24:24	1.04	0.794	J	2.50	-	-	*	2
Total Penta-Dioxins	1.26e+05		30:15	1.05	3.16	J	2.50	-	-	*	5
Total Hexa-Dioxins	1.20e+06		36:09	1.27	34.0		2.50	-	-	*	6
Total Hepta-Dioxins	1.42e+07		42:49	1.35	418		2.50	-	-	*	2
Total Tetra-Furans	3.31e+05		23:48	1.62	3.34		2.50	-	-	*	10
1st Fn. Tot Penta-Furans	1.88e+05		28:28	0.93	3.65		2.50	-	-	*	PeCDF 1
Total Penta-Furans	1.75e+05		30:15	0.93	3.39		2.50	-	-	*	7.04 4
Total Hexa-Furans	2.04e+06		35:16	0.90	42.7		2.50	-	-	*	7
Total Hepta-Furans	8.71e+06		42:17	1.48	223		2.50	-	-	*	4

Analyst:       Date: 8/11/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 18

File: 10AUG10N

S: 12 I: 1 F: 1

Acquired: 11-AUG-10 02:45:41

Total Concentration: 0.794

Unnamed Concentration: 0.794

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:24	9.54e+03	1.14e+04	0.84 y	2.09e+04	0.469	
24:41	6.64e+03	7.89e+03	0.84 y	1.45e+04	0.325	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 18

File: 10AUG10N

S: 12 I: 1 F: 2

Acquired: 11-AUG-10 02:45:41

Total Concentration: 3.16

Unnamed Concentration: 2.721

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	2.69e+04	1.70e+04	1.58 y	4.39e+04	1.10	
31:29	1.67e+04	1.01e+04	1.65 y	2.68e+04	0.669	
31:43	1.25e+04	8.94e+03	1.40 y	2.15e+04	0.536	
31:51	1.07e+04	6.10e+03	1.75 y	1.68e+04	0.419	
33:15	1.03e+04	7.30e+03	1.41 y	1.76e+04	0.439	1,2,3,7,8-PeCDD



Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 18

File: 10AUG10N

S: 12 I: 1 F: 3

Acquired: 11-AUG-10 02:45:41

Total Concentration: 34.0

Unnamed Concentration: 24.637

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:09	1.78e+05	1.27e+05	1.41 y	3.05e+05	8.56	
37:04	3.98e+04	2.82e+04	1.41 y	6.81e+04	1.91	
37:30	2.90e+05	2.15e+05	1.35 y	5.05e+05	14.2	
38:37	2.12e+04	1.52e+04	1.40 y	3.64e+04	0.972	1,2,3,4,7,8-HxCDD
38:47	1.21e+05	8.53e+04	1.41 y	2.06e+05	5.94	1,2,3,6,7,8-HxCDD
39:14	4.68e+04	3.70e+04	1.26 y	8.38e+04	2.40	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 18

File: 10AUG10N

S: 12 I: 1 F: 4

Acquired: 11-AUG-10 02:45:41

Total Concentration: 418

Unnamed Concentration: 204.456

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:49	3.52e+06	3.45e+06	1.02 y	6.97e+06	204	
44:12	3.63e+06	3.63e+06	1.00 y	7.27e+06	213	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 18 File: 10AUG10N S: 12 I: 1 F: 1  
Acquired: 11-AUG-10 02:45:41

Total Concentration: 3.34

Unnamed Concentration: 3.131

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:48	2.31e+04	3.52e+04	0.66 y	5.83e+04	0.588	
24:10	2.27e+04	3.19e+04	0.71 y	5.46e+04	0.550	
24:27	1.48e+04	2.12e+04	0.70 y	3.59e+04	0.362	
24:43	1.42e+04	1.80e+04	0.79 y	3.22e+04	0.324	
25:20	8.80e+03	1.21e+04	0.73 y	2.09e+04	0.211	
25:27	1.54e+04	2.21e+04	0.70 y	3.75e+04	0.378	
25:34	1.21e+04	1.68e+04	0.72 y	2.89e+04	0.291	
25:56	7.46e+03	1.12e+04	0.67 y	1.86e+04	0.188	
26:40	8.52e+03	1.22e+04	0.70 y	2.07e+04	0.209	2,3,7,8-TCDF
26:58	9.50e+03	1.42e+04	0.67 y	2.37e+04	0.239	

Totals class: 1st Fn. Tot Penta-Furans      Entry #: 43

Run: 18      File: 10AUG10N      S: 12 I: 1 F: 1  
Acquired: 11-AUG-10 02:45:41

Total Concentration: 3.65      Unnamed Concentration: 3.650

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:28	1.16e+05	7.20e+04	1.61 y	1.88e+05	3.65	

Totals class: Total Penta-Furans

Entry #: 44

Run: 18 File: 10AUG10N S: 12 I: 1 F: 2  
Acquired: 11-AUG-10 02:45:41

Total Concentration: 3.39

Unnamed Concentration: 2.992

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:15	5.31e+04	3.98e+04	1.33 y	9.28e+04	1.80	
30:57	2.51e+04	1.69e+04	1.49 y	4.20e+04	0.816	
32:51	1.27e+04	7.89e+03	1.61 y	2.06e+04	0.396	2,3,4,7,8-PeCDF
32:53	1.13e+04	7.89e+03	1.43 y	1.92e+04	0.373	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 18

File: 10AUG10N

S: 12 I: 1 F: 3

Acquired: 11-AUG-10 02:45:41

Total Concentration: 42.7

Unnamed Concentration: 38.880

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:16	8.87e+04	7.45e+04	1.19 y	1.63e+05	3.42	
35:32	3.24e+05	2.68e+05	1.21 y	5.92e+05	12.4	
36:09	1.24e+04	9.55e+03	1.30 y	2.19e+04	0.460	
36:26	5.96e+05	4.81e+05	1.24 y	1.08e+06	22.6	
37:14	4.11e+04	3.21e+04	1.28 y	7.32e+04	1.50	1,2,3,4,7,8-HxCDF
37:25	2.36e+04	2.02e+04	1.17 y	4.38e+04	0.876	1,2,3,6,7,8-HxCDF
38:22	3.64e+04	2.87e+04	1.26 y	6.51e+04	1.39	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 18

File: 10AUG10N

S: 12 I: 1 F: 4

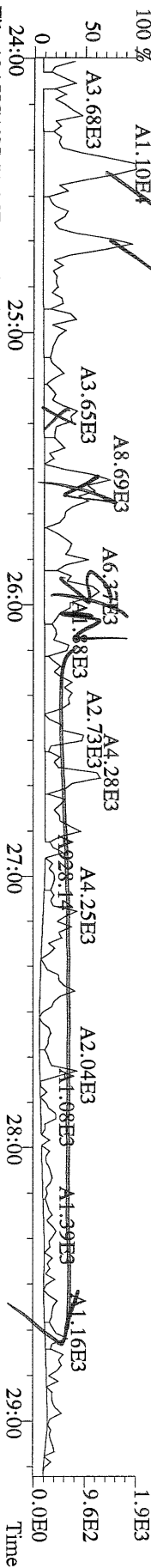
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Total Concentration: 223

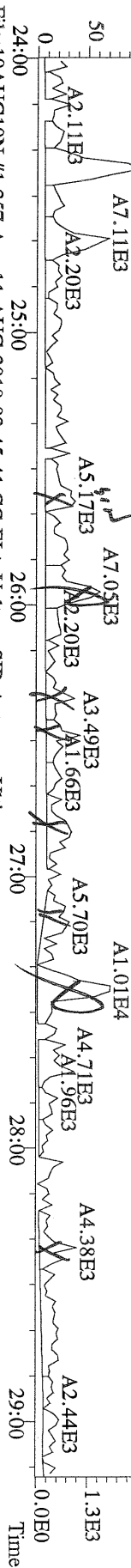
Unnamed Concentration: 148.106

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:17	1.48e+06	1.40e+06	1.06 y	2.88e+06	72.7	1,2,3,4,6,7,8-HpCDF
42:50	1.73e+04	1.92e+04	0.90 y	3.65e+04	0.940	
43:07	2.95e+06	2.77e+06	1.06 y	5.72e+06	147	
45:07	3.87e+04	3.33e+04	1.16 y	7.20e+04	1.87	1,2,3,4,7,8,9-HpCDF

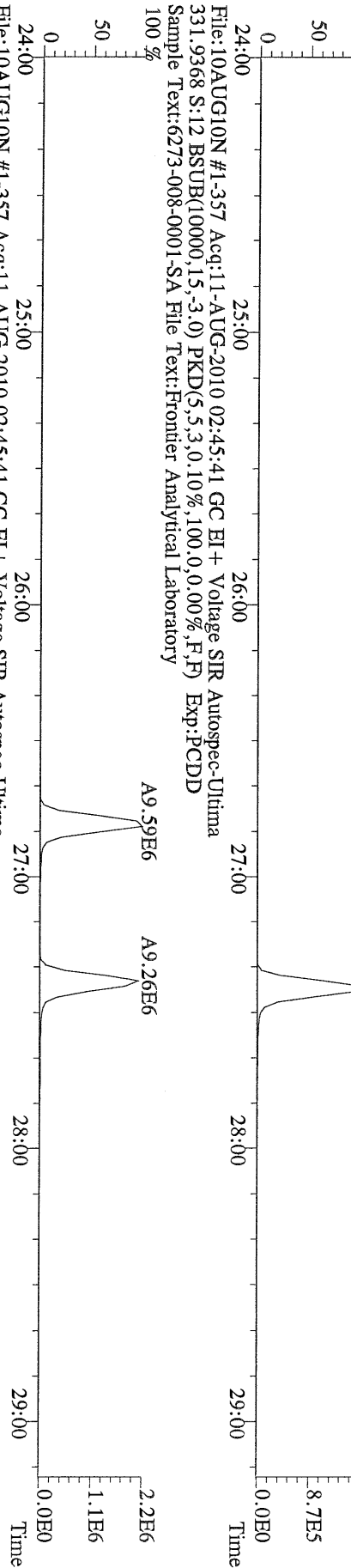
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 319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



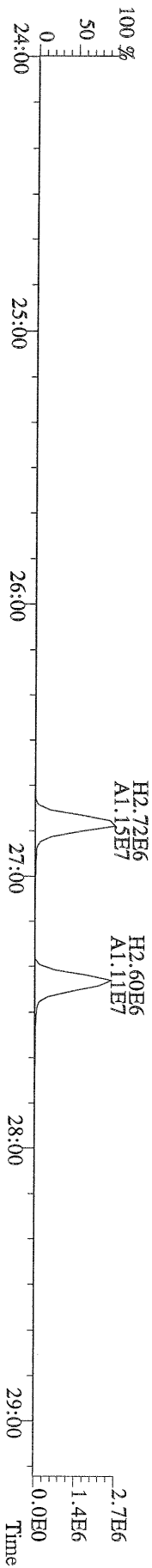
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 327.8847 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 331.9368 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory

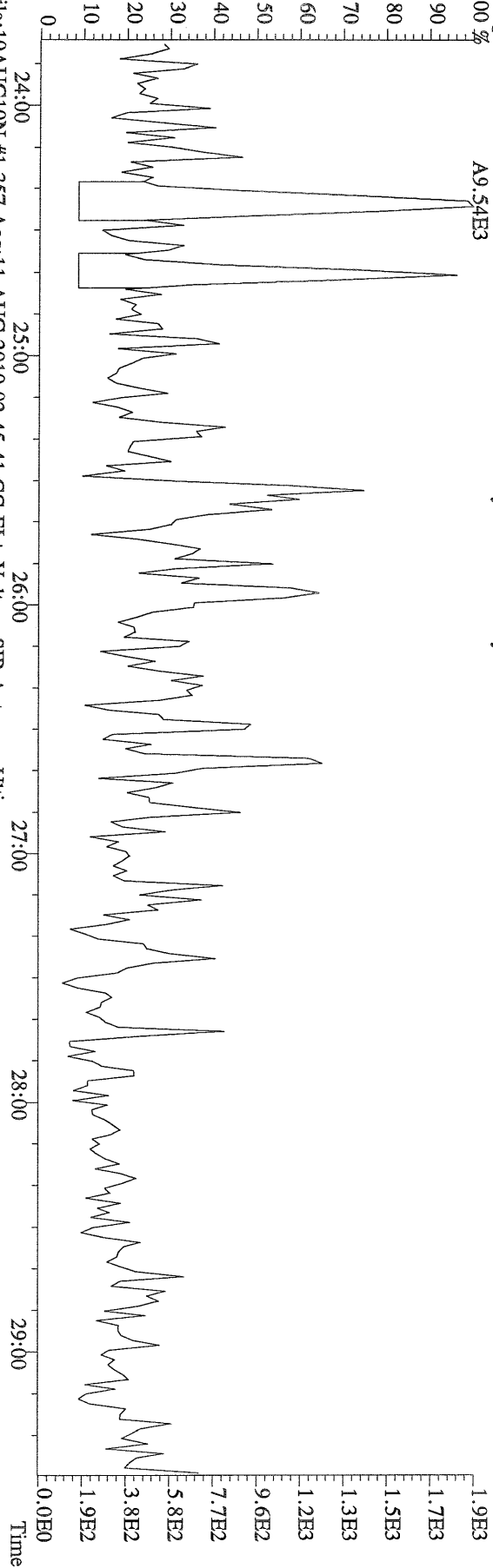


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 333.9339 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory

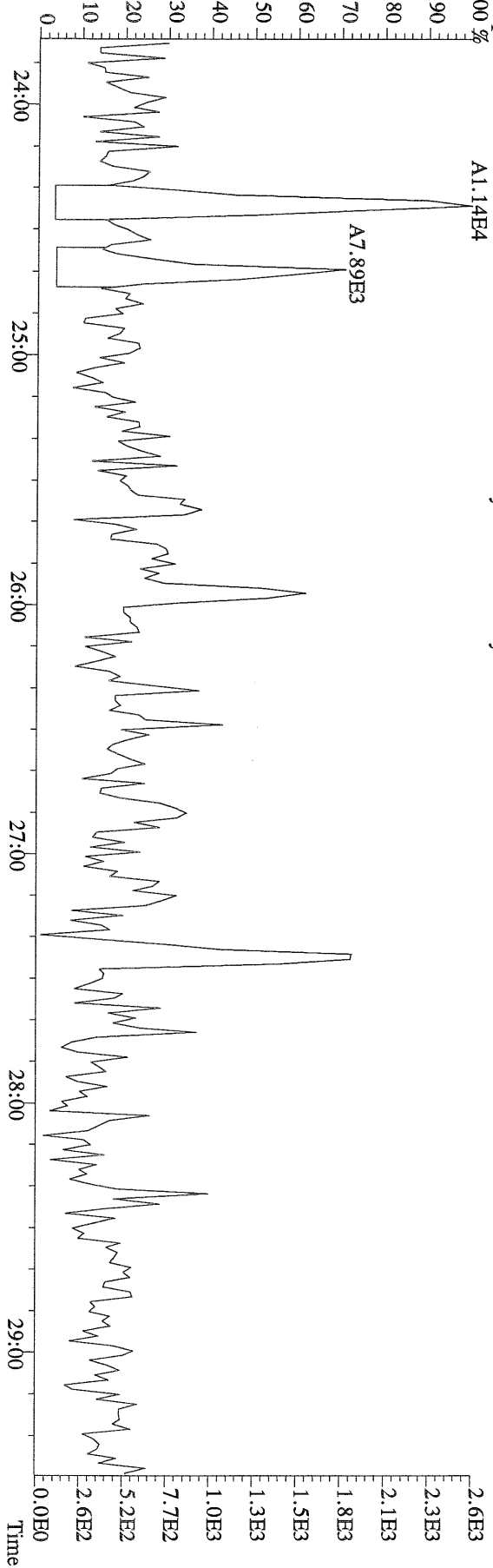




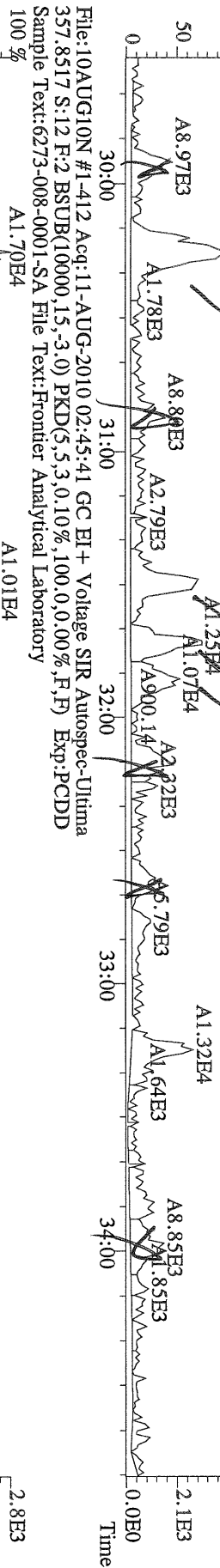
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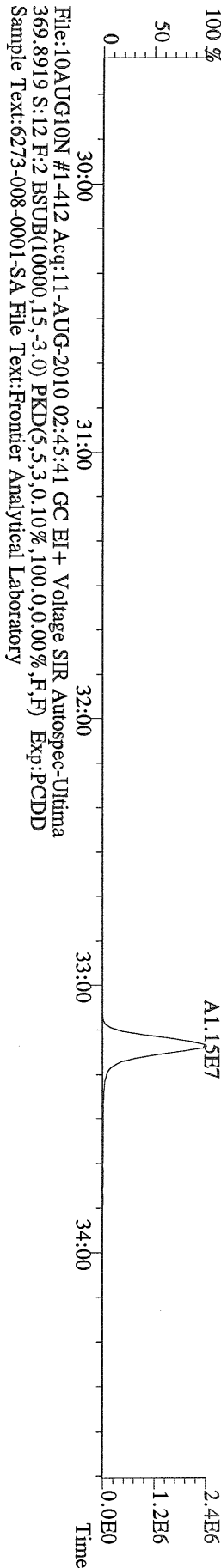
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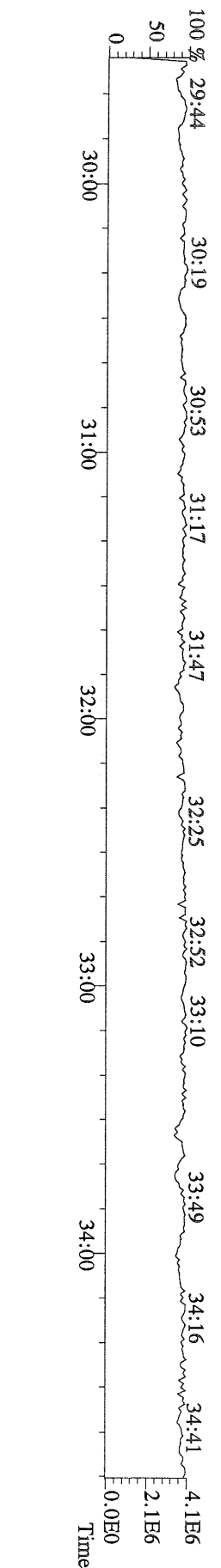
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 355.8546 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
 100 %



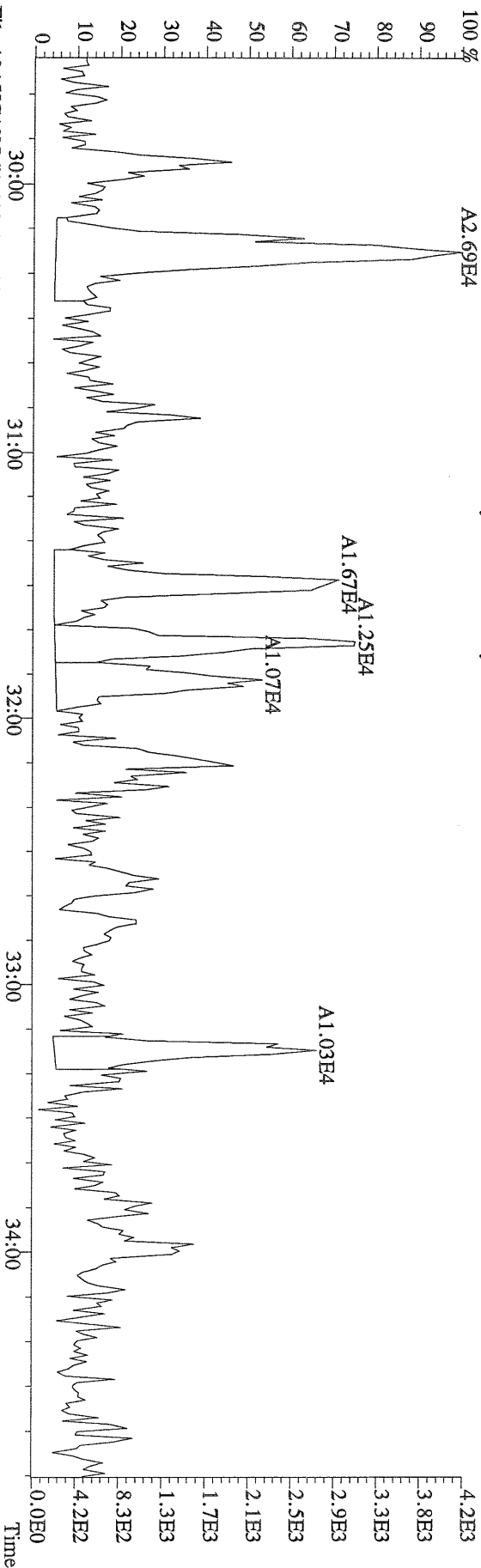
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 367.8949 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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 100 %



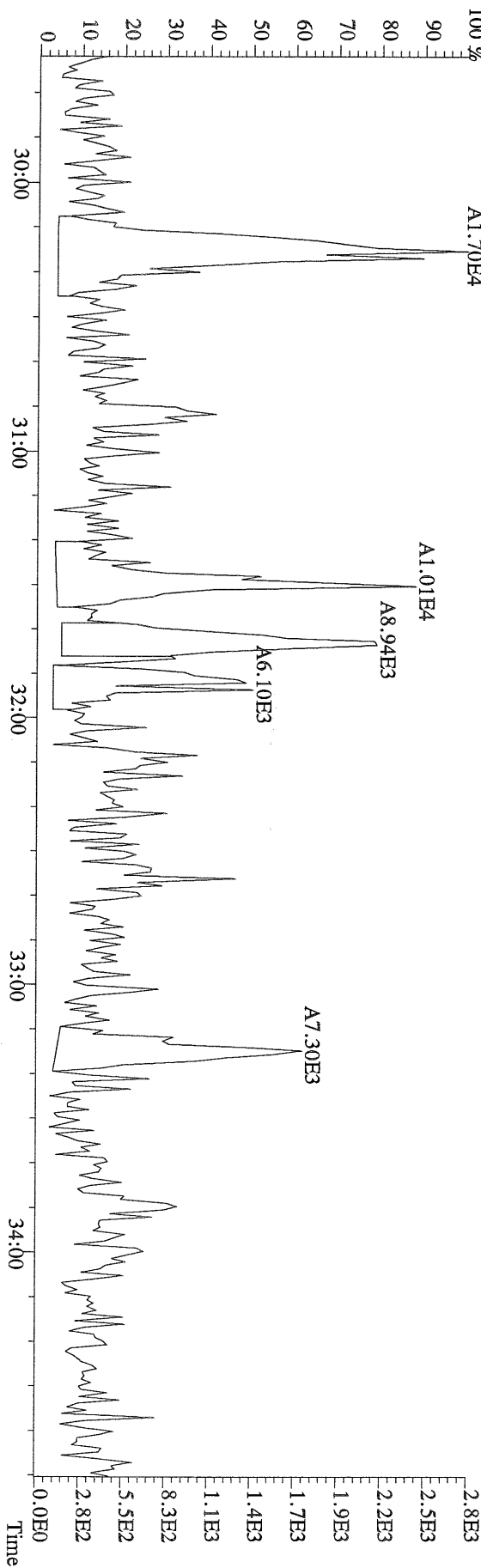
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 366.9792 S:12 F:2 Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



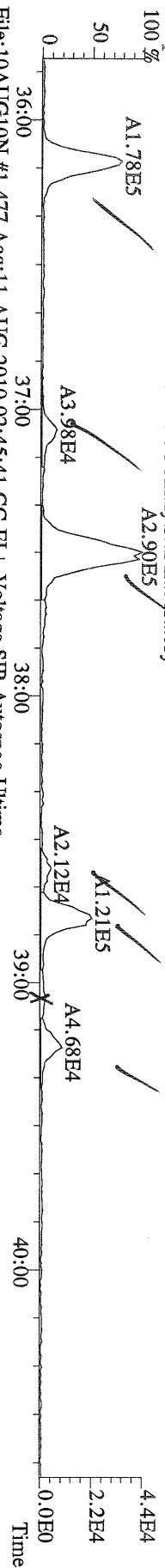
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 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



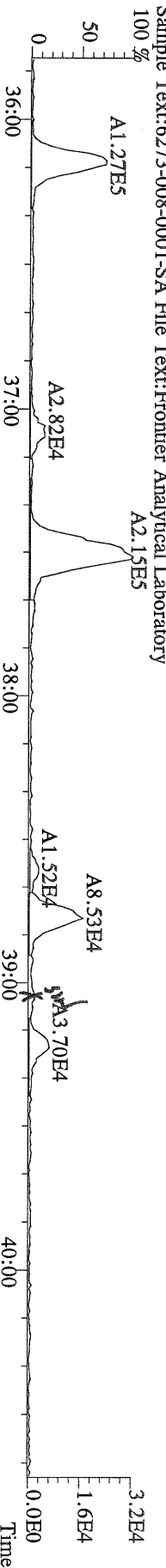
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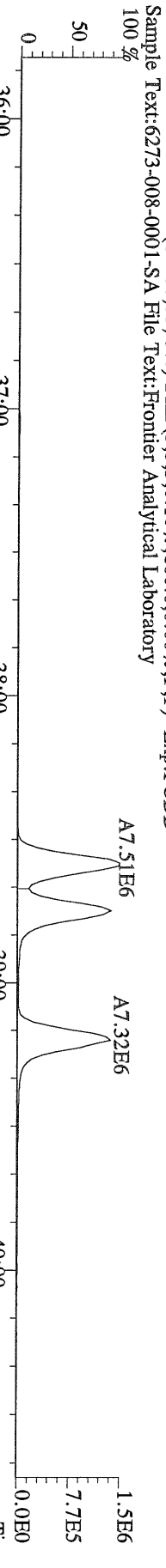
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 389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



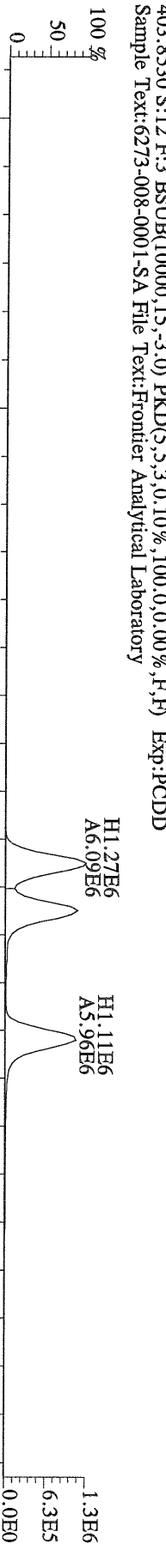
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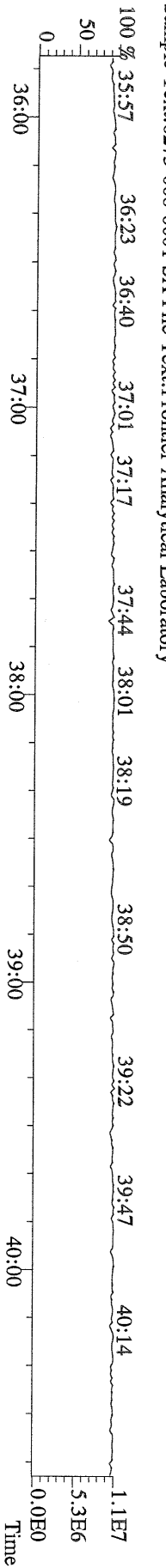
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 401.8559 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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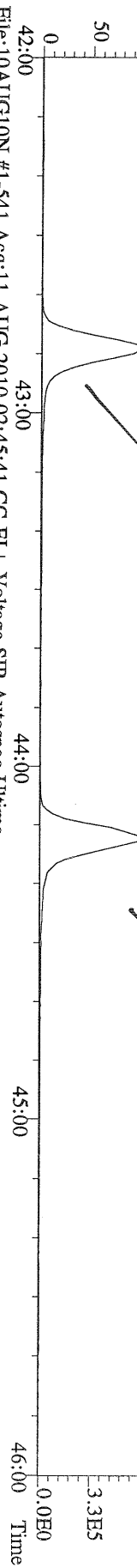
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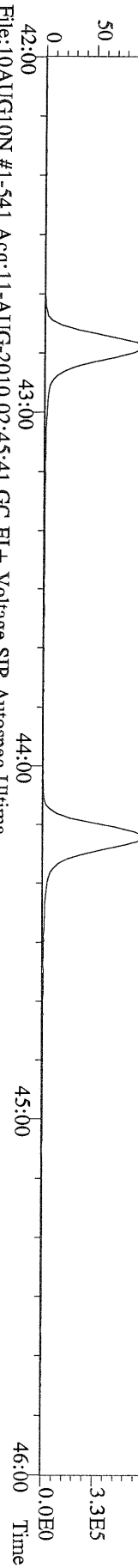
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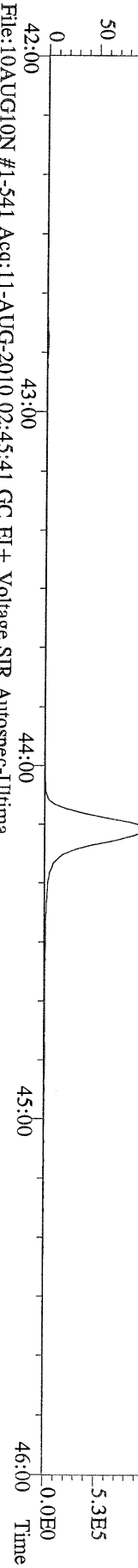
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423.7767 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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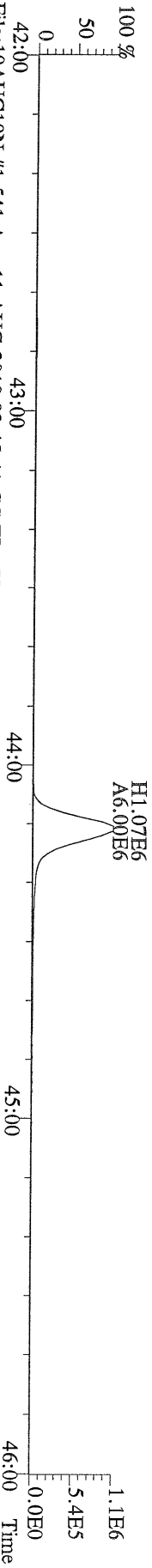
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425.7737 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
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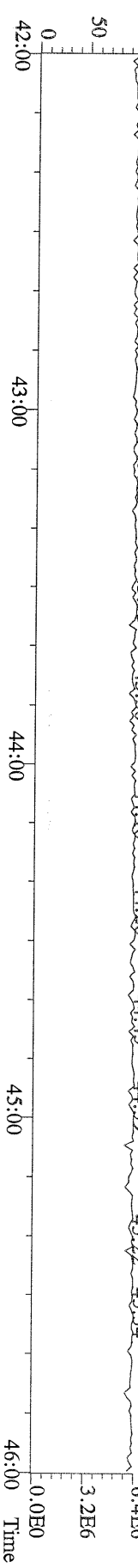
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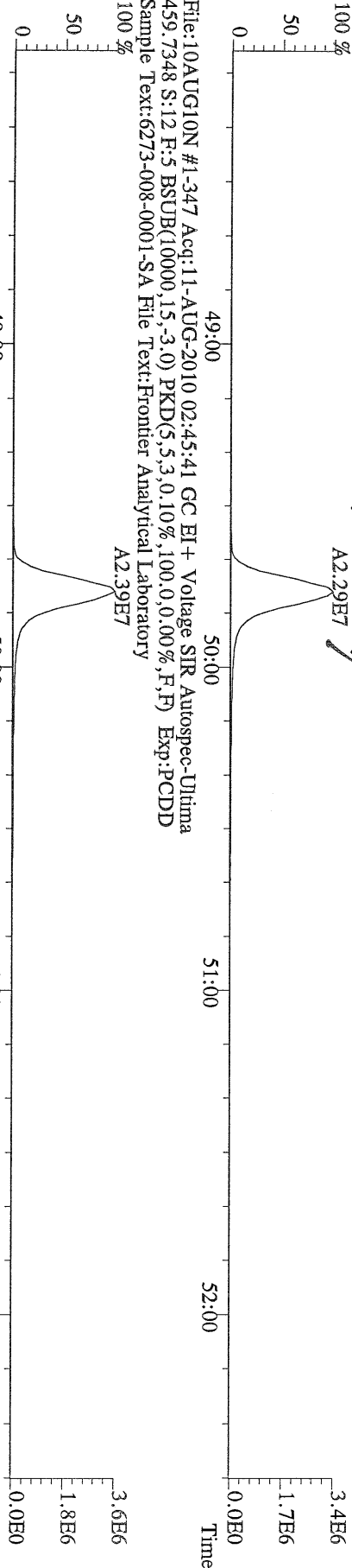
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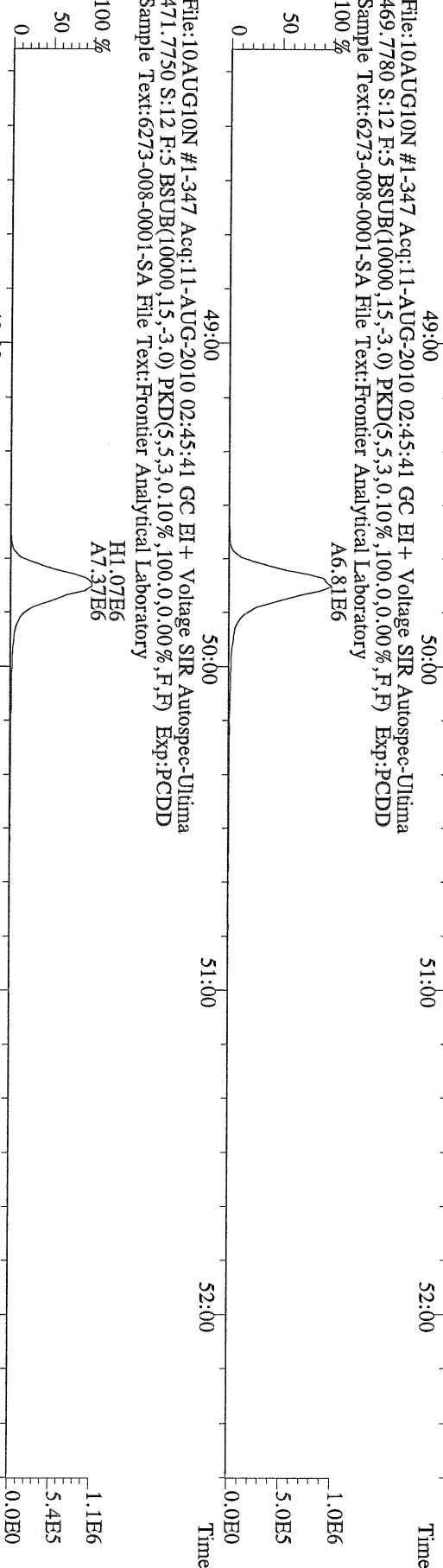
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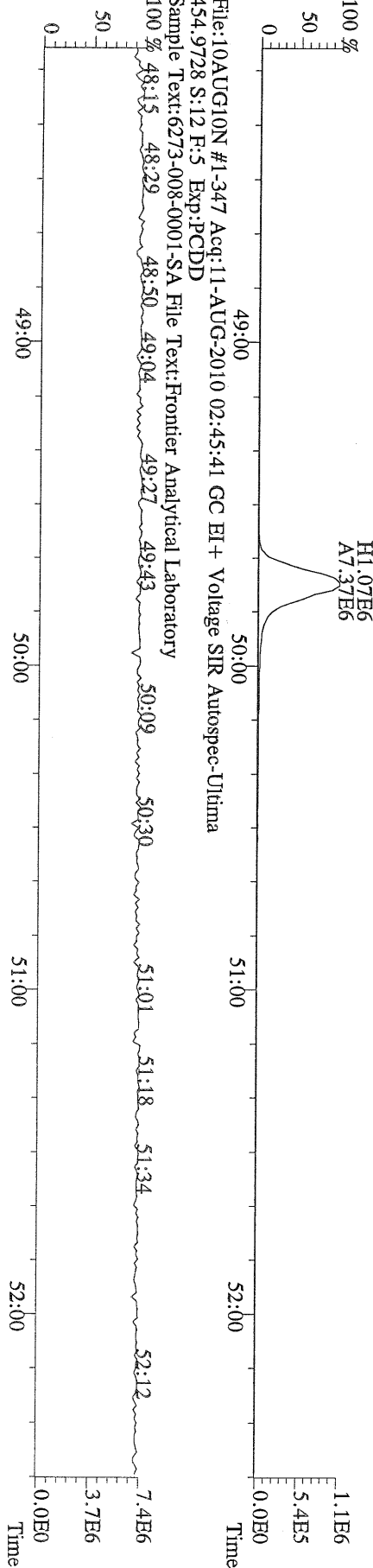
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457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
100 % A2.29E7



File:10AUG10N #1-347 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
469.7780 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD  
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100 % A6.81E6

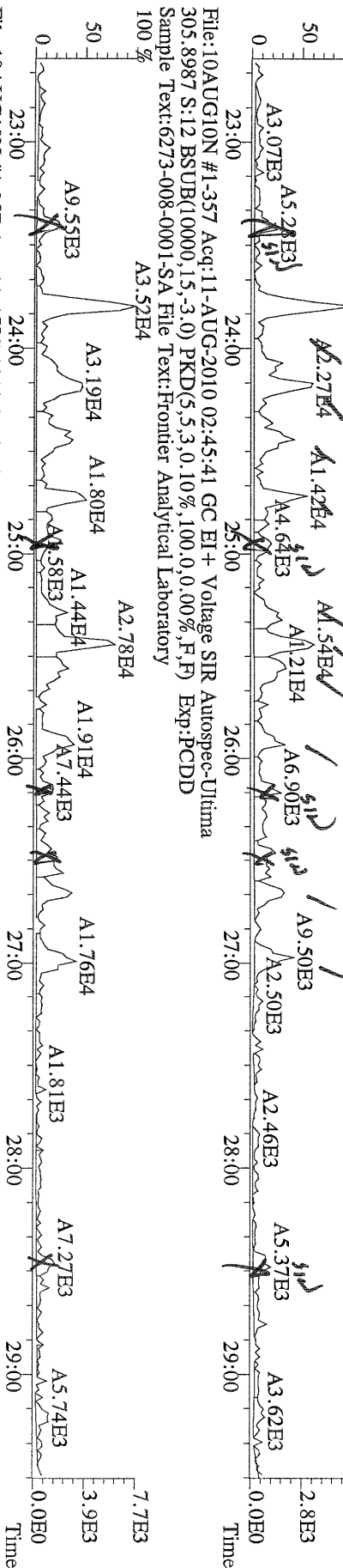


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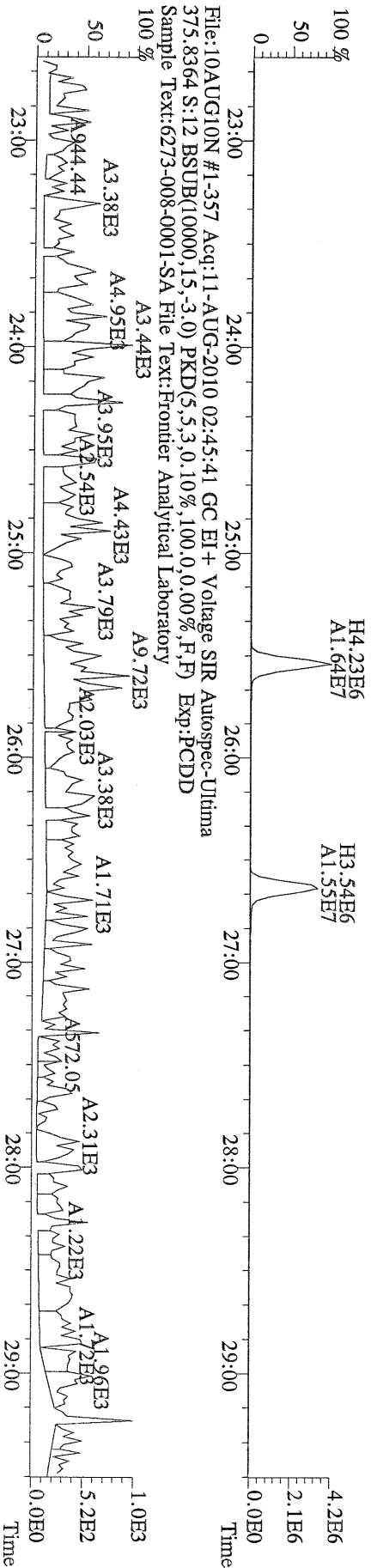


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454.9728 S:12 F:5 Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
100 % 48.15 48.29 48.50 49.04 49.27 49.43 50.09 50.30 51.01 51.18 51.34 52.12

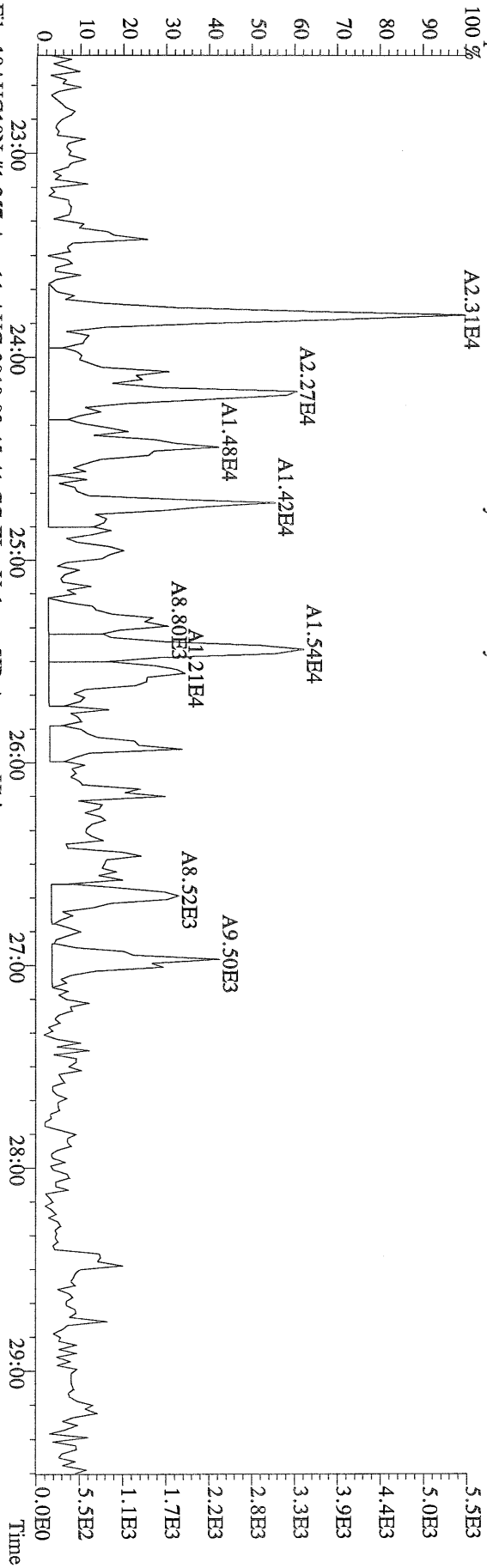
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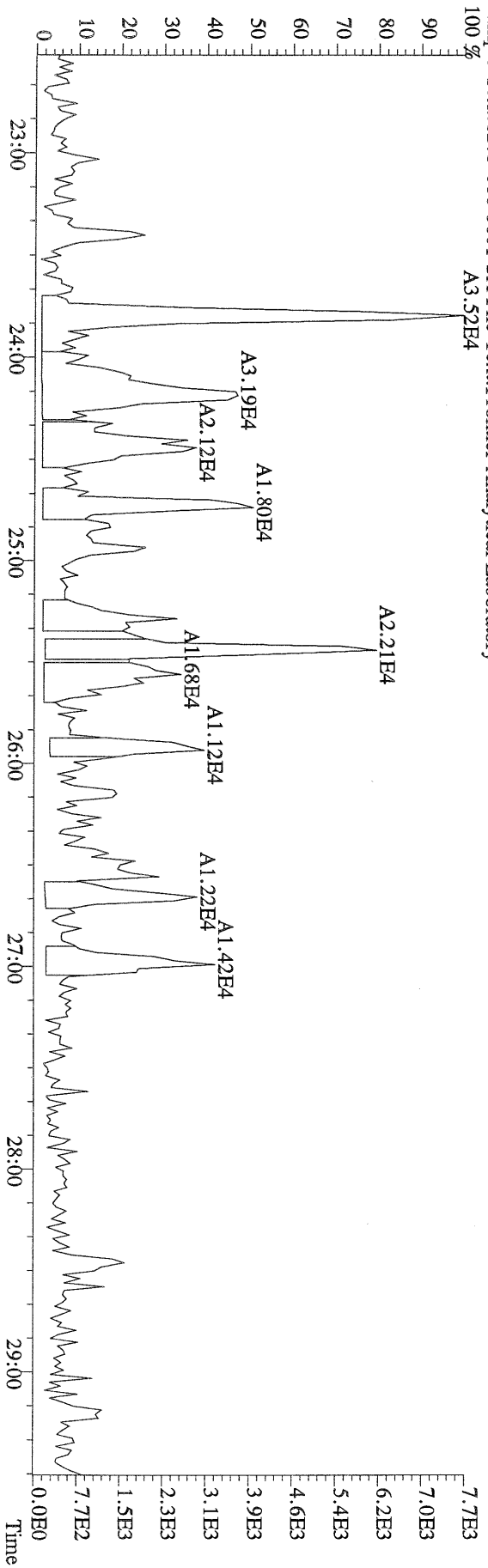
File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 315.9419 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 305.9016 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
 100%

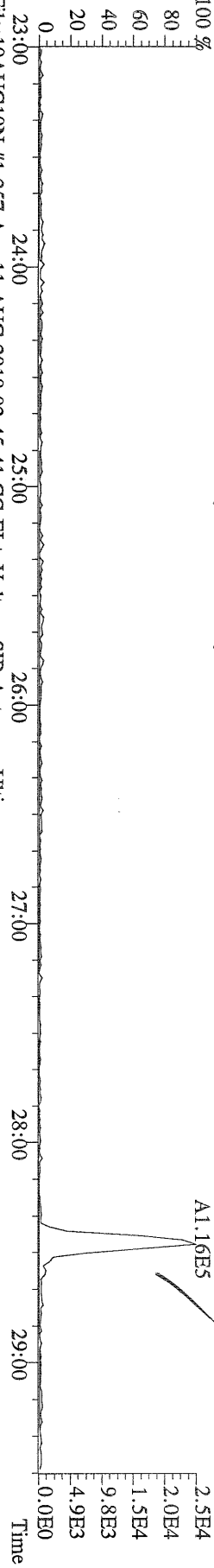


File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 305.8987 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
 100%

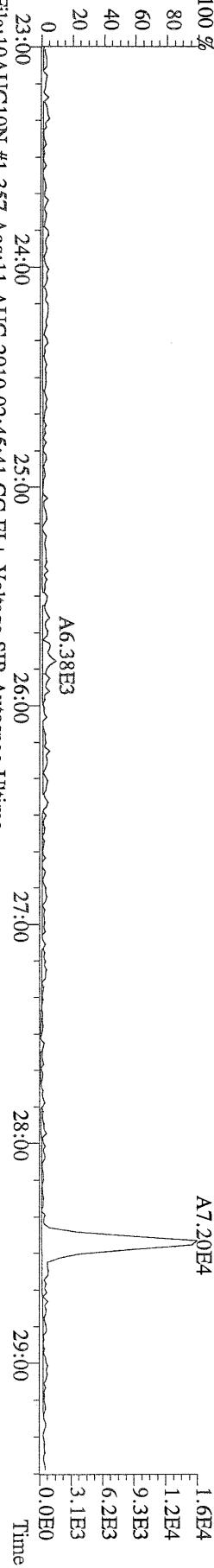




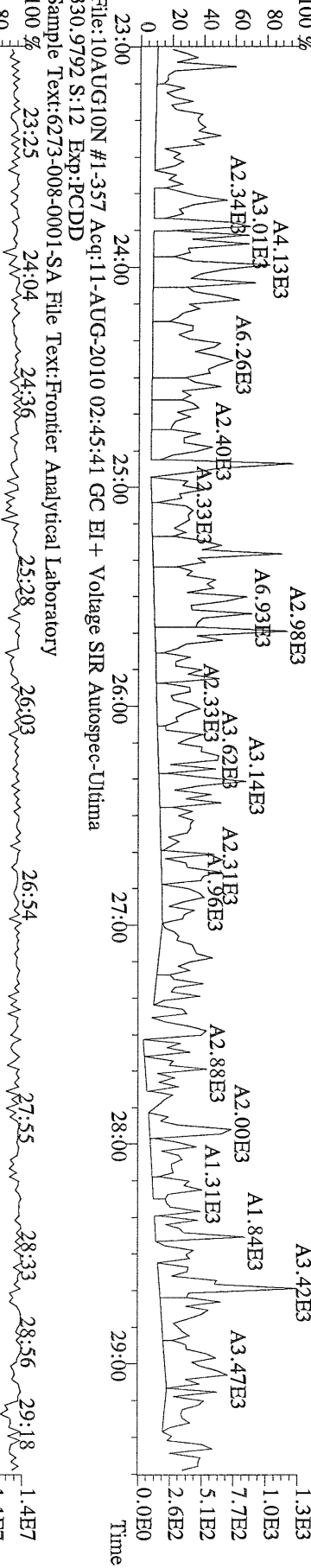
File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI + Voltage SIR Autospec-Ultima  
 339.8597 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



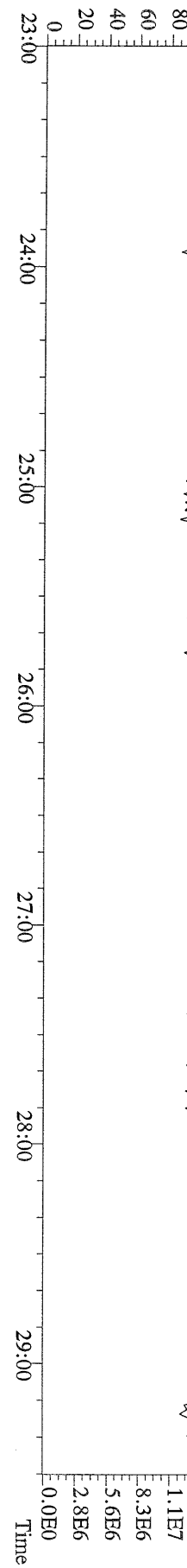
File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI + Voltage SIR Autospec-Ultima  
 341.8568 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



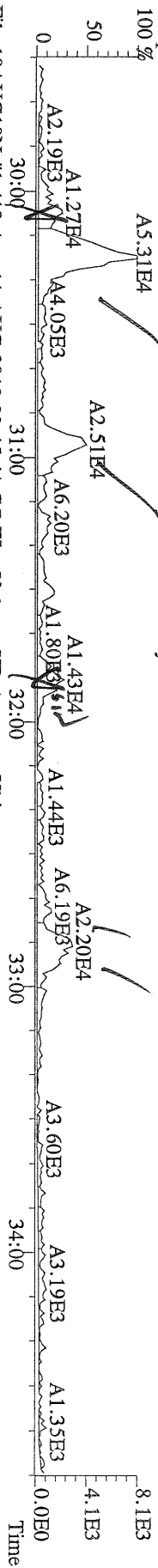
File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI + Voltage SIR Autospec-Ultima  
 409.7974 S:12 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



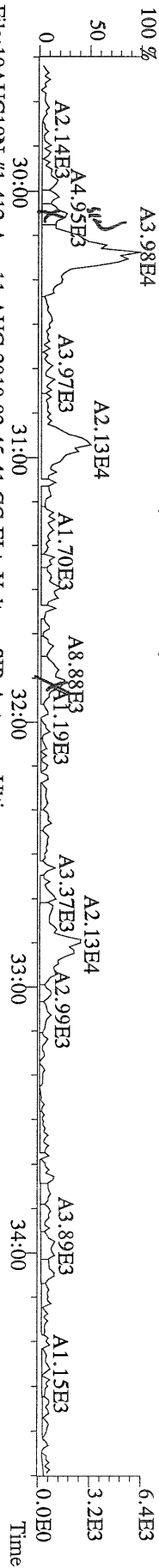
File:10AUG10N #1-357 Acq:11-AUG-2010 02:45:41 GC EI + Voltage SIR Autospec-Ultima  
 330.9792 S:12 Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



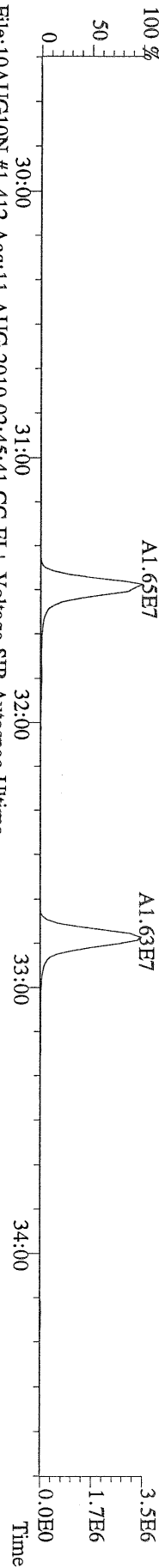
File:10AUG10N #1-412 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



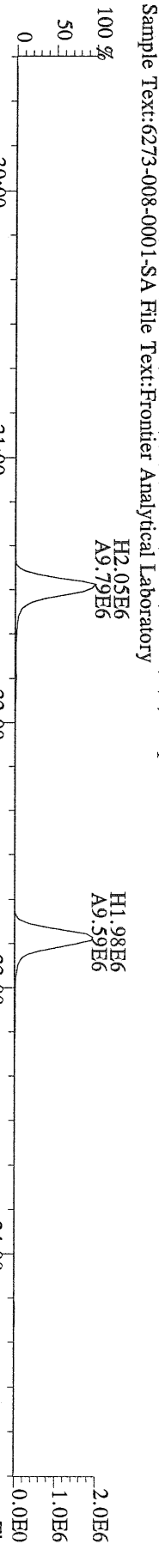
File:10AUG10N #1-412 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 341.8568 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



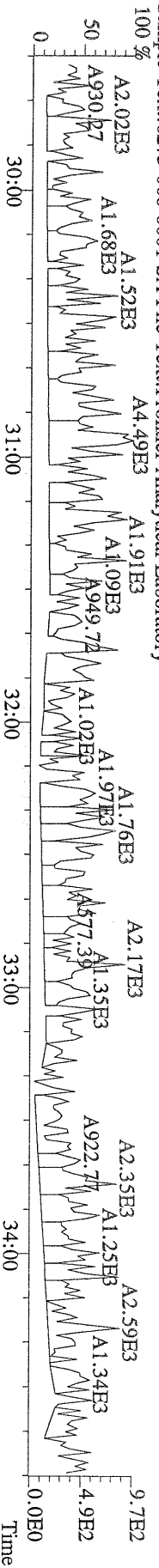
File:10AUG10N #1-412 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 351.9000 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



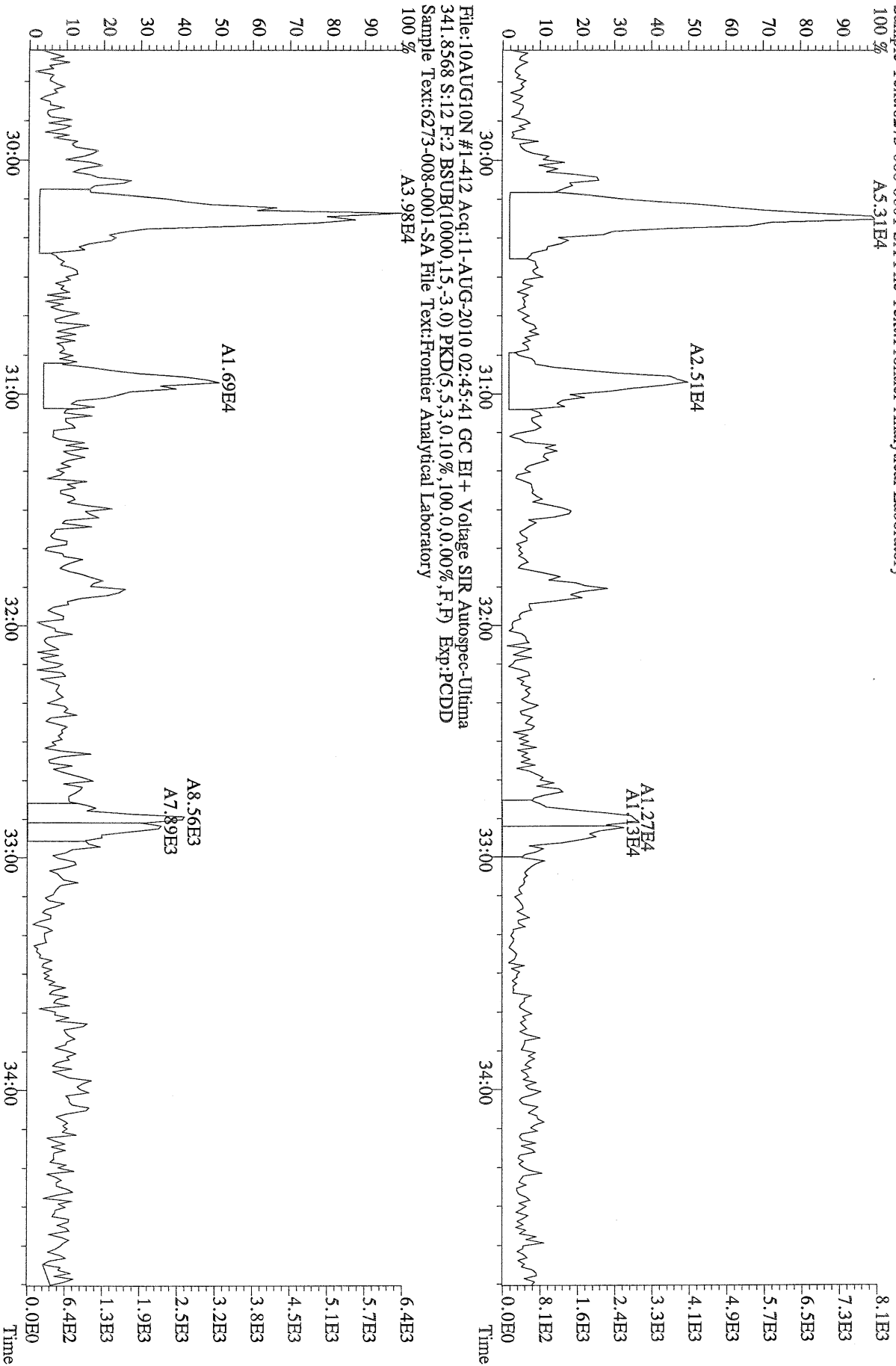
File:10AUG10N #1-412 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 353.8970 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



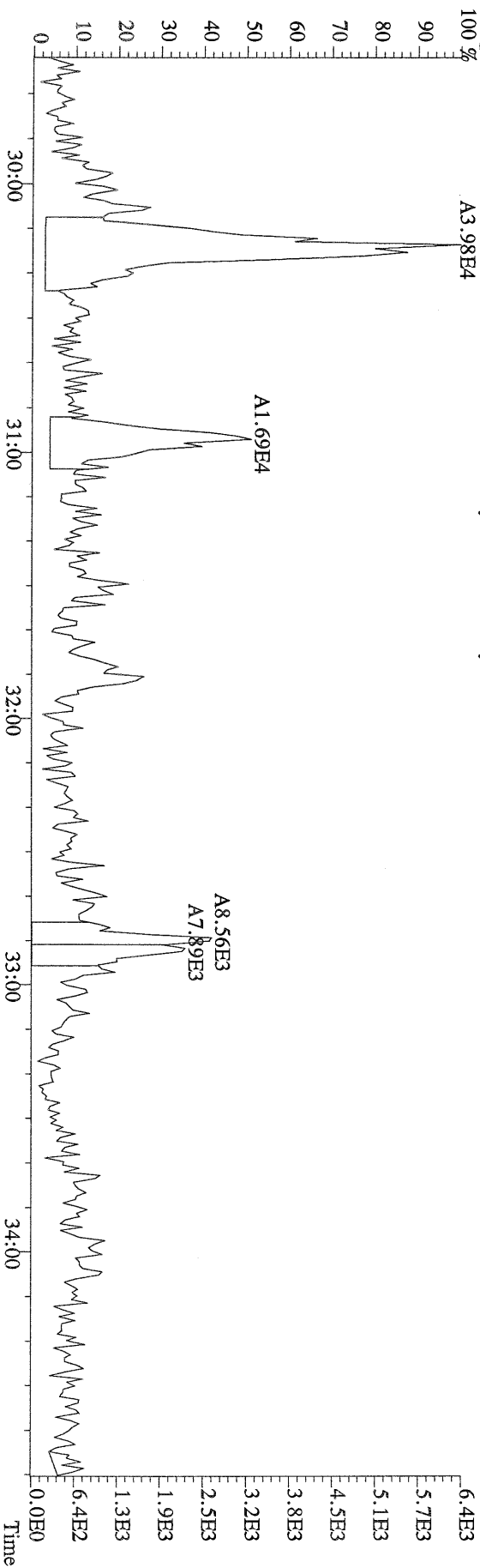
File:10AUG10N #1-412 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
 409.7974 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



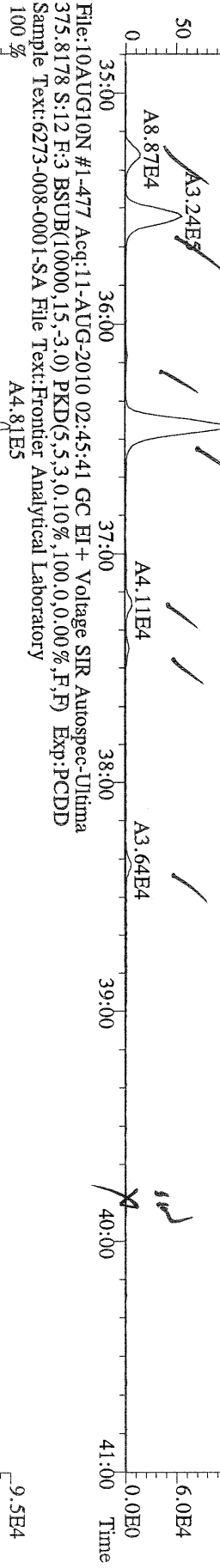
File: 10AUG10N #1-412 Acq: 11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Utima  
 339.8597 S: 12 F: 2 BSUB(10000, 15, -3.0) PKD(5, 5, 3, 0.10%, 100, 0, 0, 0.00%, F, F) Exp: PCDD  
 Sample Text: 6273-008-0001-SA File Text: Fronter Analytical Laboratory



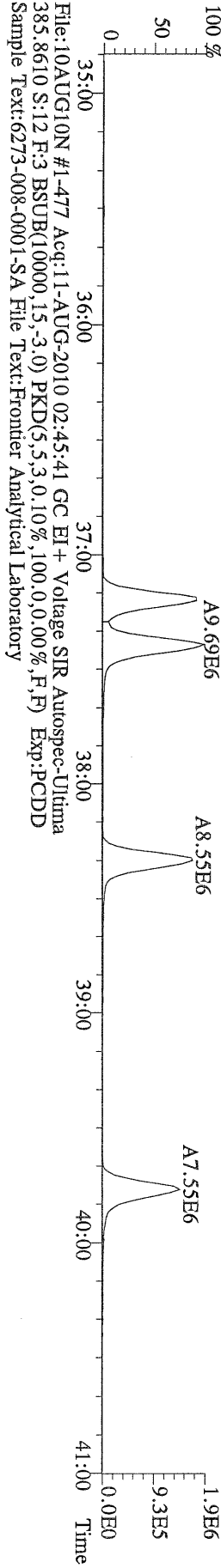
File: 10AUG10N #1-412 Acq: 11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Utima  
 341.8568 S: 12 F: 2 BSUB(10000, 15, -3.0) PKD(5, 5, 3, 0.10%, 100, 0, 0, 0.00%, F, F) Exp: PCDD  
 Sample Text: 6273-008-0001-SA File Text: Fronter Analytical Laboratory



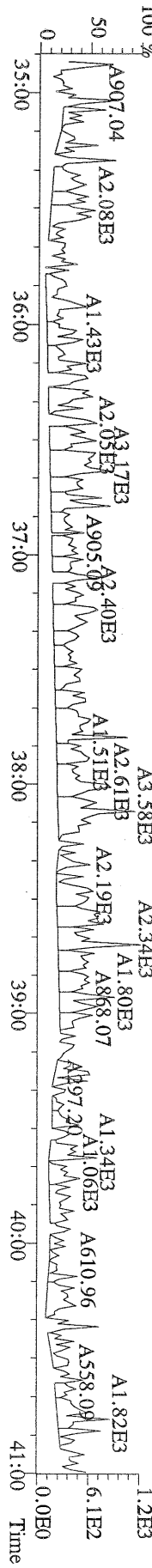
File:10AUG10N #1-477 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



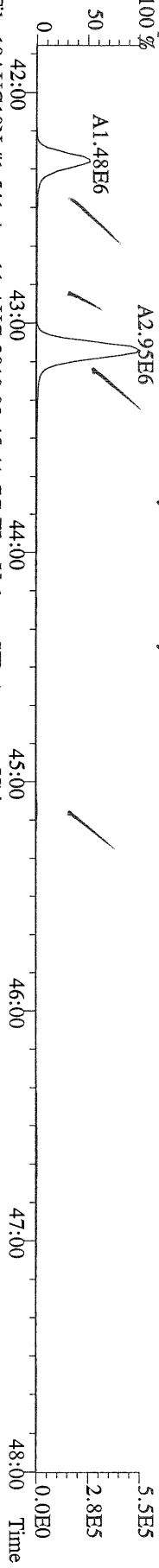
File:10AUG10N #1-477 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
383.8639 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



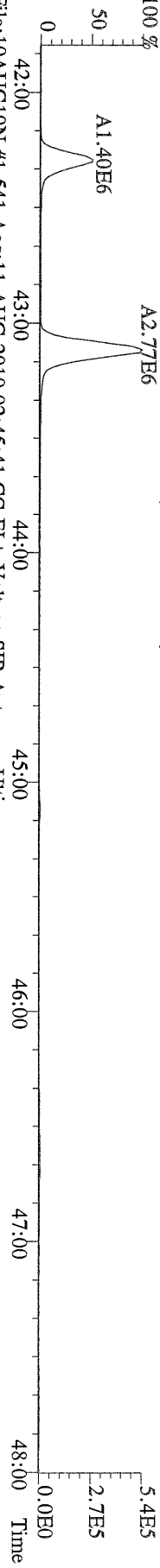
File:10AUG10N #1-477 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
445.7555 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



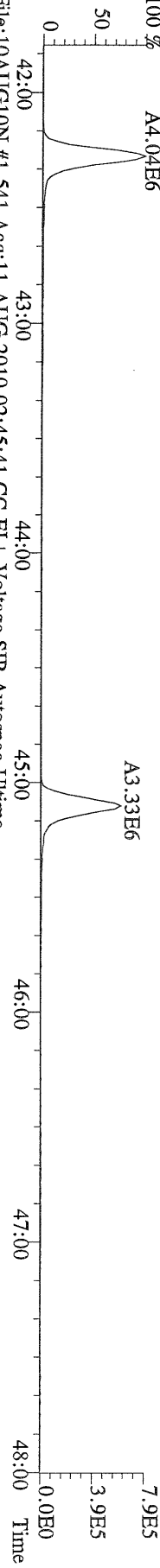
File:10AUG10N #1-541 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Utima  
 407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Fronter Analytical Laboratory



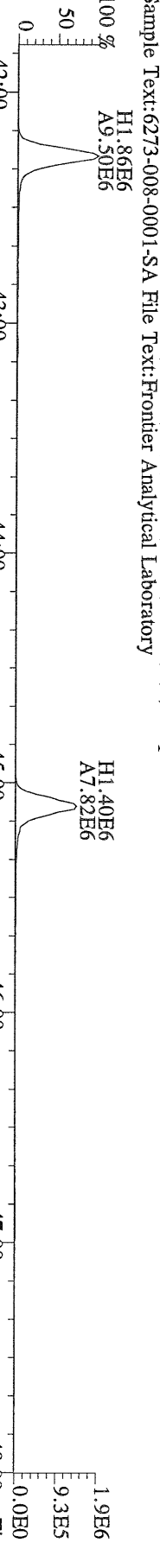
File:10AUG10N #1-541 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Utima  
 409.7788 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Fronter Analytical Laboratory



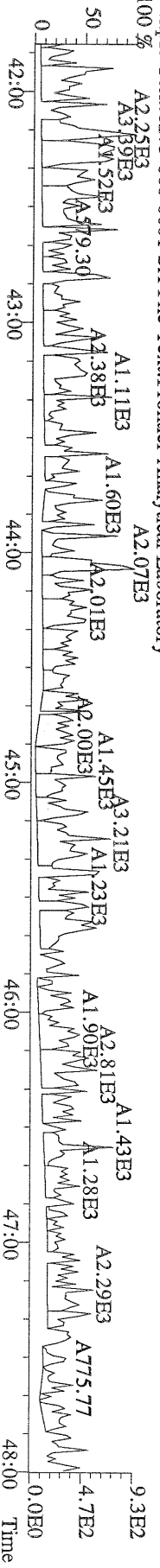
File:10AUG10N #1-541 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Utima  
 417.8253 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Fronter Analytical Laboratory



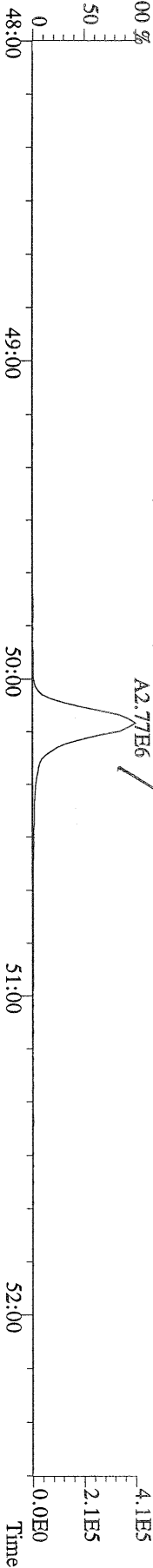
File:10AUG10N #1-541 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Utima  
 419.8220 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Fronter Analytical Laboratory



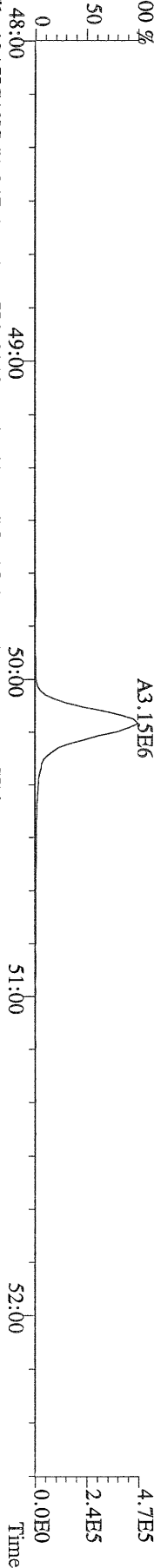
File:10AUG10N #1-541 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Utima  
 479.7165 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-008-0001-SA File Text:Fronter Analytical Laboratory



File:10AUG10N #1-347 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
100 %



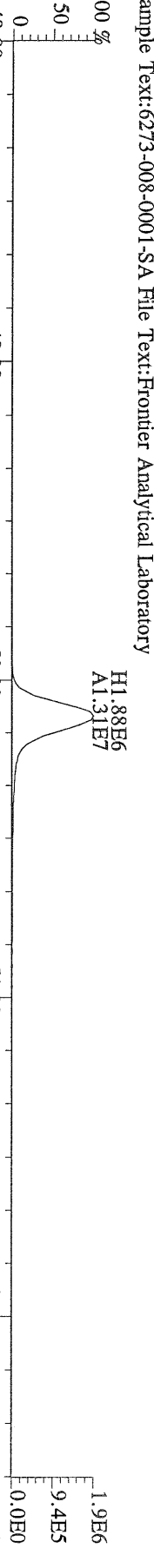
File:10AUG10N #1-347 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
443.7398 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
100 %



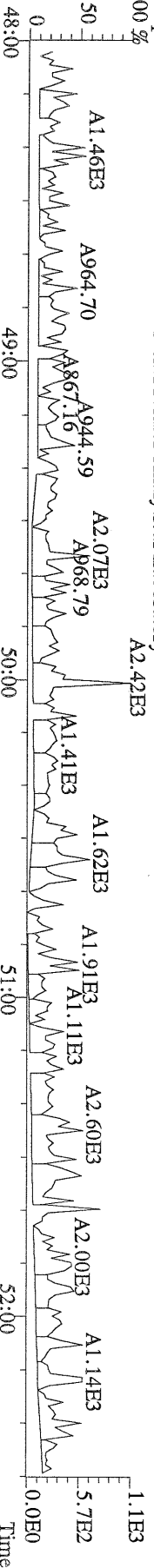
File:10AUG10N #1-347 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
453.7831 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory  
100 %



File:10AUG10N #1-347 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
455.7801 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



File:10AUG10N #1-347 Acq:11-AUG-2010 02:45:41 GC EI+ Voltage SIR Autospec-Ultima  
513.6775 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
Sample Text:6273-008-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.04	*		2.50	488	432	0.322	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.05	*		2.50	824	463	0.544	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.30	*		2.50	586	533	0.463	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.28	*		2.50	586	533	0.552	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.25	*		2.50	586	533	0.523	
1,2,3,4,6,7,8-HpCDD	5.04e+04	1.07 y	44:13	1.35	1.68	J	2.50	-	-	*	
OCDD	1.62e+05	1.00 y	49:46	1.25	10.3	J	2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.62	*		2.50	542	641	0.146	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*		2.50	468	584	0.298	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	468	584	0.292	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	668	540	0.341	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.84	*		2.50	668	540	0.352	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.90	*		2.50	668	540	0.385	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*		2.50	668	540	0.440	
1,2,3,4,6,7,8-HpCDF	3.14e+04	1.19 y	42:19	1.38	0.786	J	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.62	*		2.50	416	377	0.300	
OCDF	*	* n	NotFnd	0.74	*		2.50	451	465	0.941	
13C-2,3,7,8-TCDD	1.51e+07	0.85 y	27:25	0.93	473					101	
13C-1,2,3,7,8-PeCDD	1.47e+07	1.75 y	33:15	0.81	529					113	
13C-1,2,3,4,7,8-HxCDD	1.12e+07	1.31 y	38:36	0.95	496					106	
13C-1,2,3,6,7,8-HxCDD	1.10e+07	1.32 y	38:46	1.00	464					99.6	
13C-1,2,3,4,6,7,8-HpCDD	1.03e+07	1.03 y	44:12	0.92	470					101	
13C-OCDD	1.17e+07	0.93 y	49:46	0.63	776					83.2	
13C-2,3,7,8-TCDF	2.60e+07	0.86 y	26:39	0.87	474					102	
13C-1,2,3,7,8-PeCDF	2.41e+07	1.73 y	31:30	0.81	475					102	
13C-2,3,4,7,8-PeCDF	2.30e+07	1.76 y	32:50	0.75	484					104	
13C-1,2,3,4,7,8-HxCDF	2.40e+07	0.56 y	37:12	1.74	578					124	
13C-1,2,3,6,7,8-HxCDF	2.85e+07	0.55 y	37:25	2.17	552					118	
13C-2,3,4,6,7,8-HxCDF	2.35e+07	0.55 y	38:21	1.82	542					116	
13C-1,2,3,7,8,9-HxCDF	2.08e+07	0.54 y	39:47	1.49	589					126	
13C-1,2,3,4,6,7,8-HpCDF	1.35e+07	0.42 y	42:18	1.10	515					111	
13C-1,2,3,4,7,8,9-HpCDF	1.21e+07	0.41 y	45:07	0.81	623					134	
13C-OCDF	2.52e+07	0.97 y	50:08	1.19	892					95.6	
37Cl-2,3,7,8-TCDD	6.16e+06		27:26	0.93	193					103	
13C-1,2,3,4-TCDD	1.60e+07	0.85 y	26:49	-	11.0						
13C-1,2,3,4-TCDF	2.94e+07	0.87 y	25:34	-	12.9						
13C-1,2,3,7,8,9-HxCDD	1.11e+07	1.31 y	39:13	-	12.0						
Total Tetra-Dioxins	*		NotFnd	1.04	*		2.50	488	432	0.322	0
Total Penta-Dioxins	*		NotFnd	1.05	*		2.50	824	463	0.544	0
Total Hexa-Dioxins	*		NotFnd	1.27	*		2.50	586	533	0.552	0
Total Hepta-Dioxins	1.08e+05		42:50	1.35	3.62	J	2.50	-	-	*	2
Total Tetra-Furans	*		NotFnd	1.62	*		2.50	542	641	0.146	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.93	*		2.50	468	584	0.298	0
Total Penta-Furans	*		NotFnd	0.93	*		2.50	468	584	0.298	0.00
Total Hexa-Furans	*		NotFnd	0.90	*		2.50	668	540	0.440	0
Total Hepta-Furans	5.68e+04		42:19	1.48	1.41	J	2.50	-	-	*	2

Analyst:   JN        Date:   8/13/10

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 8

File: 12AUG10M

S: 3 I: 1 F: 4

Acquired: 12-AUG-10 13:01:32

Total Concentration: 3.62

Unnamed Concentration: 1.932

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:50	2.95e+04	2.84e+04	1.04 y	5.79e+04	1.93	
44:13	2.61e+04	2.43e+04	1.07 y	5.04e+04	1.68	1,2,3,4,6,7,8-HpCDD



Totals class: Total Hepta-Furans

Entry #: 46

Run: 8

File: 12AUG10M

S: 3 I: 1 F: 4

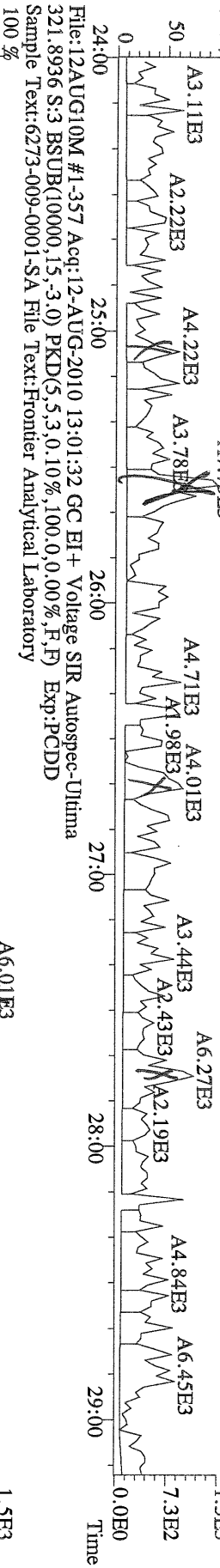
Acquired: 12-AUG-10 13:01:32

Total Concentration: 1.41

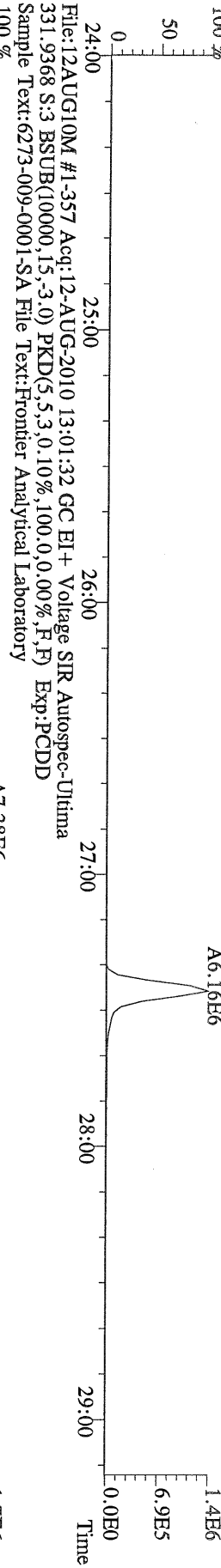
Unnamed Concentration: 0.623

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:19	1.70e+04	1.43e+04	1.19 y	3.14e+04	0.786	1,2,3,4,6,7,8-HpCDF
43:09	1.32e+04	1.22e+04	1.08 y	2.54e+04	0.623	

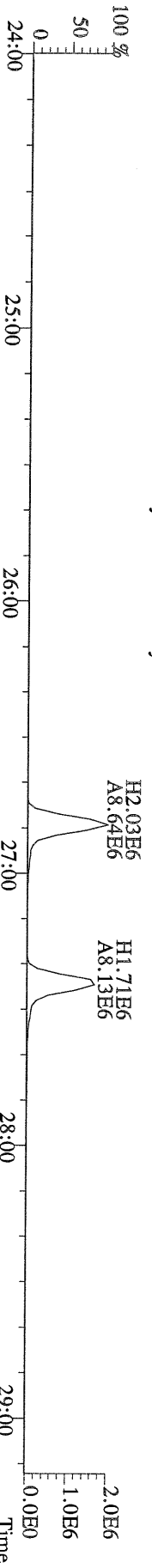
File:12AUG10M #1-357 Acq:12-AUG-2010 13:01:32 GC EI+ Voltage SIR Autospec-Ultima  
 319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory



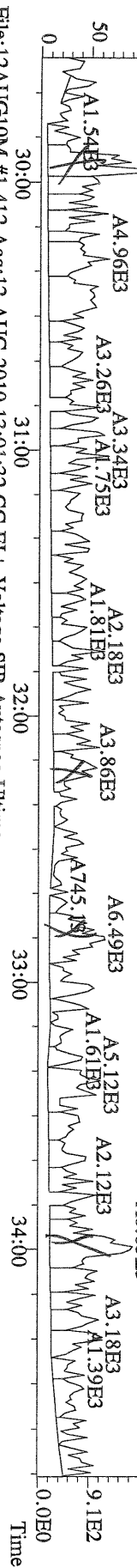
File:12AUG10M #1-357 Acq:12-AUG-2010 13:01:32 GC EI+ Voltage SIR Autospec-Ultima  
 327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory



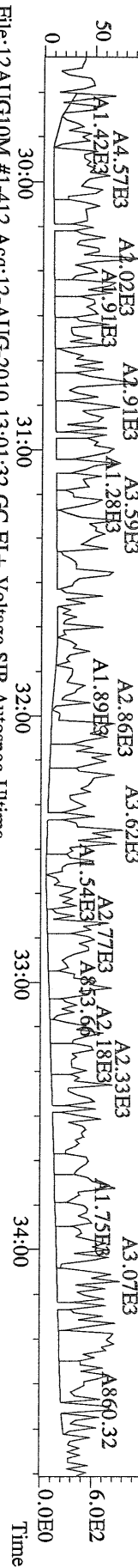
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 333.9339 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD  
 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory



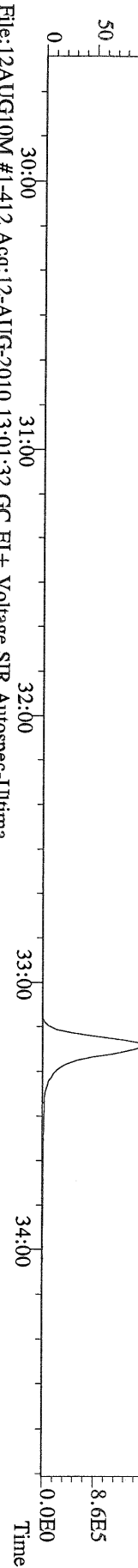
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 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory



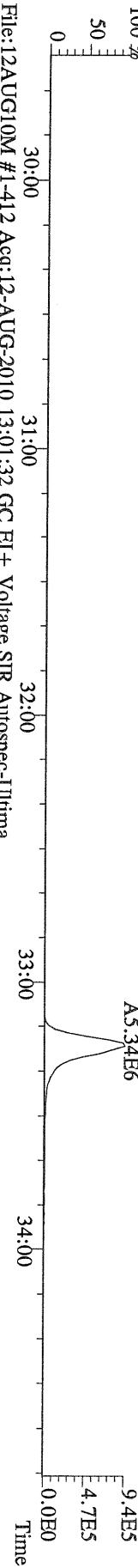
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 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory



File:12AUG10M #1-412 Acq:12-AUG-2010 13:01:32 GC EI+ Voltage SIR Autospec-Ultima  
 367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory



File:12AUG10M #1-412 Acq:12-AUG-2010 13:01:32 GC EI+ Voltage SIR Autospec-Ultima  
 366.9792 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD  
 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory



File:12AUG10M #1-412 Acq:12-AUG-2010 13:01:32 GC EI+ Voltage SIR Autospec-Ultima  
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 Sample Text:6273-009-0001-SA File Text:Frontier Analytical Laboratory

