1 MetroTech Center
Brooklyn, New York 11201

Request for Approval

KeySpan Alternative PCB Decontamination Process

Submitted to:
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

October 2005

KeySpan Environmental Operations
175 E. Old Country Road
Hicksville, New York 11801

October 25, 2005

Mr. Winston Lue
U.S. Environmental Protection Agency

Subject: Request for Alternative PCB Decontamination Approval;
Removal of PCB from Natural Gas Piping and Appurtenances by Soaking with an Aqueous Turpene Hydrocarbon Solvent

Mr. Lue:

KeySpan is requesting formal U.S. Environmental Protection Agency (EPA) performance based approval to use an aqueous turpene hydrocarbon solution solvent soaking process to clean removed natural gas piping containing and/or assumed to contain PCB's. Testing of the soaking process demonstrated that decontamination was successful at all concentrations and soaking times tested.

KeySpan previously submitted a completed validation study of this process (06/12/2000, 11/05/2004) in accordance with 40 CFR Part 761.79(d)(4) and Subpart T. Test results at that time had concluded that a 10% aqueous turpene solvent was successful in removing PCB's from hydrocarbon contaminated non-porous surfaces (steel plates similar to gas pipe). Following review of the study and in conjunction with KeySpan's request for an approval to store pipe awaiting decontamination using this proposed soaking process, EPA requested that an additional demonstration of the soaking process be conducted by KeySpan and observed by EPA.

The remainder of this report describes the additional demonstration which took place during the week of September 26, 2005 at our Brooklyn, NY facility, including the experimental design, details of test implementation, laboratory test results, and analysis of the findings.

Demonstration Design

The demonstration was designed to show that the proposed soaking method would effectively remove PCB from non-porous pipe that had been contacted by pipeline liquids containing PCB as high as 5,000 ug/100 cm^2. The demonstration was intended to reduce the PCB contamination to below 10 ug/100 cm^2 allowing unrestricted use or disposal. The demonstration procedure further intended to simulate how larger pieces of natural gas pipe would be soaked during full scale operation.

To accomplish these objectives, test plates were spiked with a known amount of PCB, air-dried, then placed in a storage/soaking container. The container was flooded with the aqueous turpene solvent such that the plates and piping within the container were completely submerged. The plates and piping were allowed to soak for predetermined periods of time, after which the solvent was removed from the container and all free flowing liquids removed from the plates and piping. The plates were air-dried and a select number of plates sampled using the standard wipe test. The wipe samples were analyzed for PCB residue by Keyspan's certified laboratory. Testing included 3 replicates of various combinations of concentrations (2,500, 5,000 units) and soaking times (2, 4, and 6 hours), plus quality assurance samples. Keyspan or EPA representatives selected sample results or samples to be used for final confirmation. The process was witness by a third party consultant from Weston Solutions, Inc.

Demonstration Procedure

Steel and cast iron plates representative of actual used piping (rusted and pitted surfaces) removed from service were spiked with a predetermined amount of Aroclor 1242 dissolved in kerosene. Aroclor 1242 was used as it represents the most common form of PCB contamination found in the KeySpan natural gas piping system as well as other Companies throughout the gas distribution industry who have experienced PCB contamination. The kerosene solvent represents hydrocarbon contamination that is typical of "natural gasoline" which may be present in natural gas pipelines.

A total of 4 cast iron plates and 6 steel plates were prepared for each combination of solution concentration and soaking time. Quality assurance samples included one blank steel plate and one duplicate plate included in each run. Duplicate plates were made available to EPA for independent wipe sampling if desired. In total more then 100 plates were included in the experiment (including quality control plates mentioned above).

The following spiking procedure was used, based on previous recommendations by EPA:

- Two doping solutions were prepared. A known amount of Aroclor 1242 (2.0 grams in 100 ml) was mixed with analytical grade kerosene resulting in a 20,000 ug/ml solution. A second solution of 10,000 ug/ml was similarly prepared using 1.0 gram of Aroclor 1242 in 100 ml of kerosene. A measured volume (0.25 ml) of solution was deposited on the plate surface utilizing a micro liter pipette. The kerosene was allowed to dry/evaporate on the plate surface, yielding 5,000 or 2,500 ug deposition of Aroclor 1242 on the plate.

- Plates were allowed to dry until no free-flowing liquid was observed. If necessary, the plates were warmed slowly utilizing a heat gun to ensure none of the spiking solution ran off the 100 cm^2 sampling area.

- The plates were introduced into the soaking container and the container was flooded with a 10% aqueous turpene hydrocarbon solution. The plates and associated piping within the container were completely submerged in the solution such that the entire surface area of the samples and the piping are in contact with the solution.

- The plates were soaked for periods of 2, 4, and 6 hours. Following the soak period, any hydrocarbon sheen present on the surface of the solvent bath was absorbed or "padded off" using hydrocarbon absorbent pads.

- The bath was drained to expose the plates and piping. Free flowing liquids were allowed to drain free from the plates and piping. The sample plates were allowed to air dry.

- The solvent was sampled and analyzed for PCBs.

- Test samples were submitted to KeySpan's certified laboratory under chain of custody for PCB analysis using SW 846, Method 8082.

- Samples were also collected by EPA for analysis at their laboratory.

Not all samples were analyzed. The actual selection of samples was done by KeySpan during the first three days of testing (using EPA guidance), then randomly by EPA during the last two days. Any remaining samples were archived. A separate set of random samples was also collected by EPA for independent analysis in their laboratory; the results of the EPA analysis are not included in this report.

Raw data as well as all QA/QC data and reduced data results were provided to our consultant (Weston Solutions, Inc.) for data validation and analysis.

Test Results

The laboratory test results are shown in Attachment 1. Complete laboratory data packages are included as Attachment 2.

Analysis of Results

The test results showed that the aqueous turpene hydrocarbon soaking process effectively reduced the PCB surface concentration on metal surfaces from up to 5,000 ug/100 cm^2 down to below 10 ug/100 cm^2 in as little as 2 hours. Test data showed that the soaking process could remove PCBs to below 10 ug/100 cm^2 for all surface concentrations and soaking durations tested.

The data also seem to indicate that soaking effectiveness is partly a function of soaking time, with the longer soaking period in some cases showing better decontamination

effectiveness. However, even samples with the highest starting concentration and shortest soaking time were still below the target concentration after decontamination.

Conclusion

We believe that the results of our demonstration of the aqueous turpene soaking solvent and soaking process confirmed the results of the previously submitted Subpart T testing and clearly indicate that this method is effective at removing PCBs to below the EPA decontamination standard for unrestricted use or disposal. We respectfully request that EPA grant Keyspan an Alternative Decontamination Approval to use this process to decontaminate our pipe without the need for confirmation sampling.

Thank you again for agreeing to observe the tests at our New York laboratory. Please feel free to contact the undersigned with any questions.

Very truly yours,

Wei Chiang for

Robert D. Wilson
KeySpan Corporation
Director, Environmental Operations
175 E. Old Country Road
Hicksville, New York 11801

RDW/mpt

Attachments:

Attachment 1; Tabulation of laboratory test results
Attachment 2; Test Chromatograms for Wipe Samples and Quality Control Data

KeySpan Corporation
175 East Old Country Road
Hicksville, New York 11801-4280

October 28, 2005

Mr. Winston Lue
Fibers and Organics Branch
MS 7404
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Re: KeySpan's Request for Alternative PCB Decontamination Approval
Removal of PCB from Natural Gas Piping and Appurtenances by Soaking with an Aqueous Terpene Hydrocarbon Solution Solvent

Dear Mr. Lue:

KeySpan is please to submit for your review supporting documentation for the performance based approval to use an aqueous terpene hydrocarbon solution solvent soaking process to clean removed natural gas piping and appurtenances containing PCB's.

The validation testing was conducted and witnessed by you in September 2005.

Please contact me if you have any questions regarding KeySpan's Alternative PCB Decontamination Approval request.

Very truly yours,

Wei Chiang
Manager, Environmental Operations
Phone: 516-545-4368
Fax: 516-545-2484
wchiang@keyspanenergy.com

cc: Robert D.Wilson (attachment)
Michael Tucker (attachment)
Alexander G. Taft (attachment)
John P. Woodyard (attachment)

46

52

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1 From *Please print and press hard.*

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OPTIONAL

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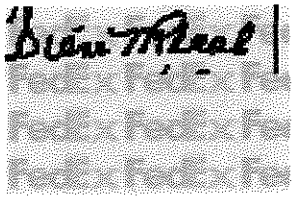

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ATTACHMENTS

1. Tabulation of Test Results

2. Test Chromatograms for Wipe Samples and QA/QC Data

3. Decontamination Operating Procedure

Attachment 1

Attachment 1; Tabulation of Test Results

Starting PCB Concentration	Test Date	Sample Code (Attachment 2 Chromatogram)	Final PCB Concentration (ug/100cm^2) by Soak Time		
			2 Hours	4 Hours	6 Hours
2,500	9/26/2005#	AK1 (#4)		<2	
	9/27/2005#	BK1 (#25)	8.07		
		BK9 (#9)		3.1	
	9/28/2005#	BK6 (#13)	<2		
		BK5 (#16)		<2	
	9/29/2005*	BK7 (#33)	<2		
5000	9/28/2005#	AK2 (#45)	<2		
		AK4 (#46)		4	
		AK7 (#18)			<2
	9/29/2005*	AK10 (#26)	5.23		
		AK1 (#30)		<2	
		AK4 (#29)			<2
	9/30/2005*	BK2 (#37)	<2		
		BK6 (#40)		<2	
		BK8 (#43)			<2

* Sample plates were selected at random by EPA

Sample results were selected by KeySpan at EPA's request

Attachment 2

Attachment 2; Test Chromatograms for Wipe Samples and Quality Control Data

Software Version	: 6.2.1.0.104:0104	Date	: 9/26/2005 4:42:00 PM
Reprocess Number	: optiplexgx270: 7389		
Operator	: Manager	Sample Name	: 1242-40
Sample Number	: 001	Study	: ICV-1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/2
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/26/2005 3:28:07 PM	Cycle	: 1

#1

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_002.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_002.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept17\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_002.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242.mth from C:\Clarus 500 GC\2005\SEPT\Sept24\926_002.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242.mth from C:\Clarus 500 GC\2005\SEPT\Sept24\926_002.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept17\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\926.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

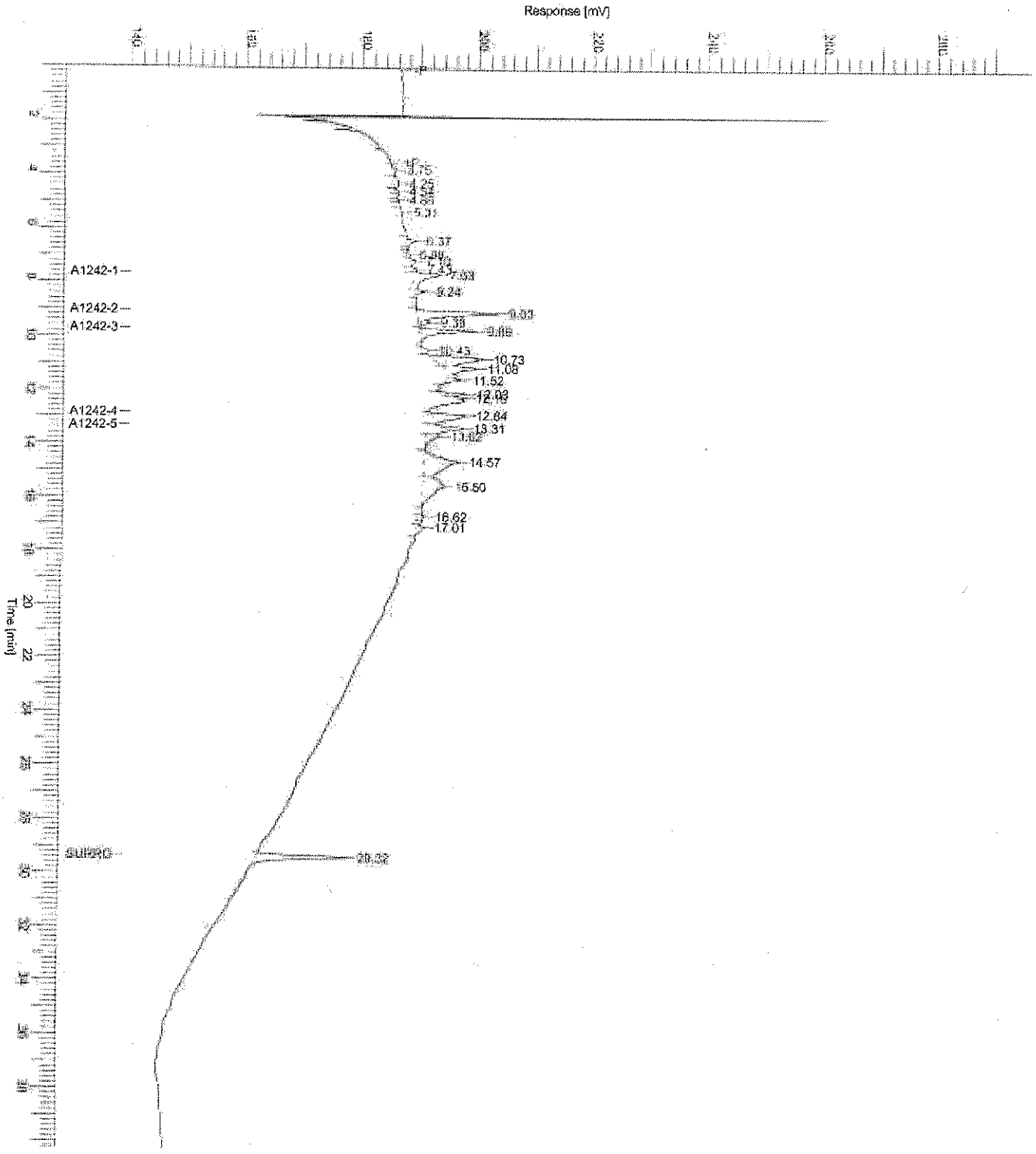
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.029	509477.78		36.1132	36.1132
28	Surrogate	29.323	177015.49	BB	29.7963	29.7963
			686493.27		65.9096	65.9096

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
10	A1242-1	7.634	74451.45	VV	8.1783	8.1783
12	A1242-2	9.029	161662.90	BE	7.9821	7.9821
14	A1242-3	9.687	89901.62	VB	7.0977	7.0977
21	A1242-4	12.837	100218.45	BV	6.1524	6.1524
22	A1242-5	13.313	83243.37	VV	6.7055	6.7055
			509477.78		36.1159	36.1159

Chromatogram

Sample Name : 1242-40 Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\926_002.raw
Date : 9/26/2005 4:42:01 PM
Method : 1242 Time of Injection: 9/26/2005 3:28:07 PM
Start Time 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/26/2005 4:53:44 PM
Reprocess Number	: optiplexgx270: 7390		
Operator	: Manager	Sample Name	: LCS #20030
Sample Number	: 001	Study	: LCS-Soil #20030
AutoSampler	: BUILT-IN	Rack/Vial	: 0/3
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/26/2005 4:13:21 PM	Cycle	: 3

#2

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_003.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_003.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept17\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_003.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept17\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_003.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept17\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_003.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept17\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\926.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.016	1688727.11		207.0935	144.9017
37	Surrogate	29.302	431272.95	BB	170.1886	119.0796
			2120000.05		377.2821	263.9813

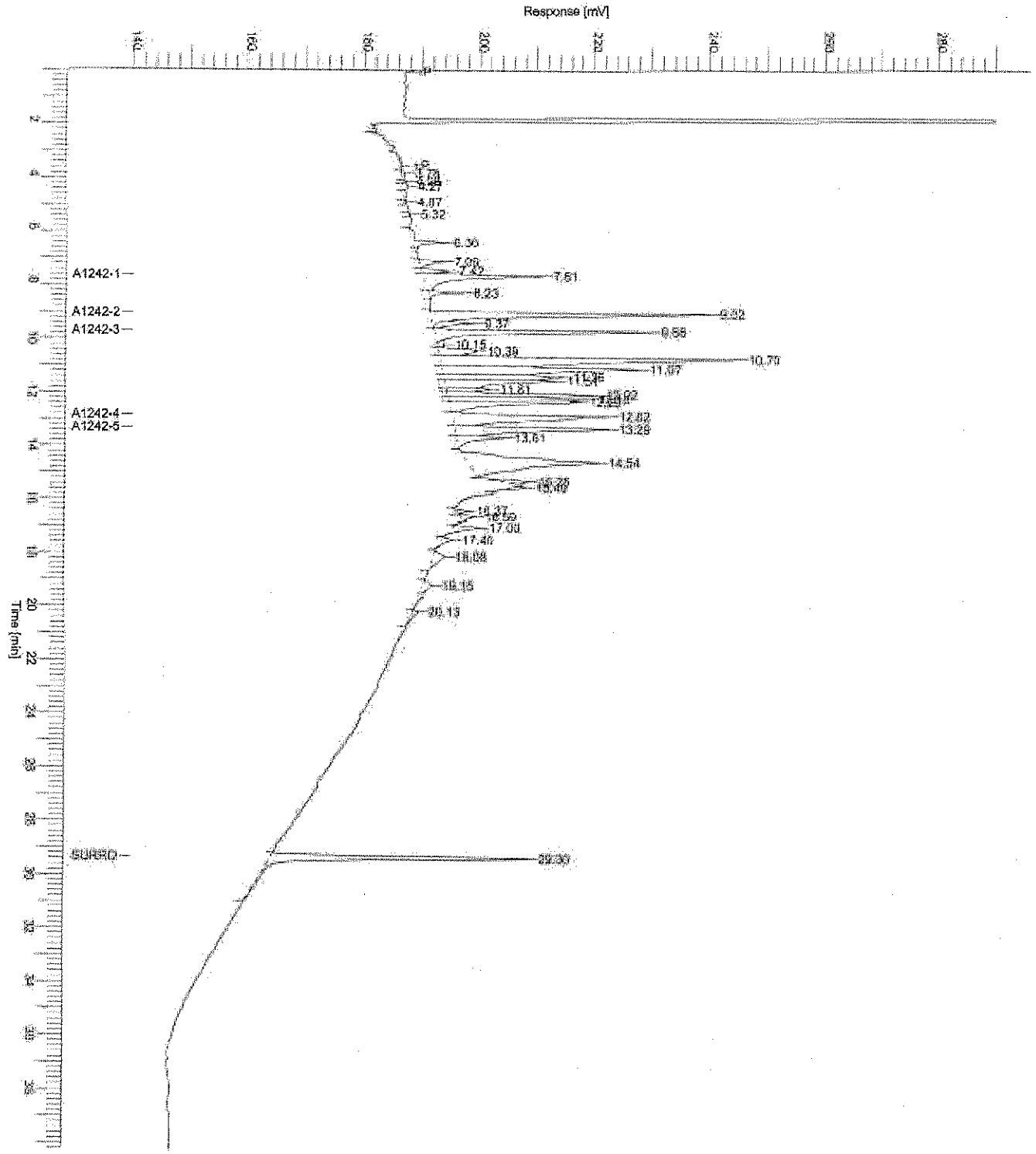
Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
9	A1242-1	7.612	227561.96	VV	39.1153	27.3687
11	A1242-2	9.016	478678.41	BE	37.8385	26.4753
13	A1242-3	9.678	306761.34	VE	41.0542	28.7253
24	A1242-4	12.822	377593.70	VV	46.4512	32.5015
25	A1242-5	13.294	298131.69	VV	44.3975	31.0646
			1688727.11		208.8567	146.1354

(41-150)

Chromatogram

Sample Name : LCS #20030 Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\926_003.raw
Date : 9/26/2005 4:53:44 PM
Method : 1242.mth Time of Injection: 9/26/2005 4:13:21 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/27/2005 8:33:02 AM
Reprocess Number	: optiplexgx270: 7410		
Operator	: Manager	Sample Name	: Wipe-AK1
Sample Number	: 012	Study	: Wipe-# AK1
AutoSampler	: BUILT-IN	Rack/Vial	: 0/23
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/27/2005 7:52:54 AM	Cycle	: 23

#4

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_023.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_023.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_023.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_023.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_023.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept17\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\926.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

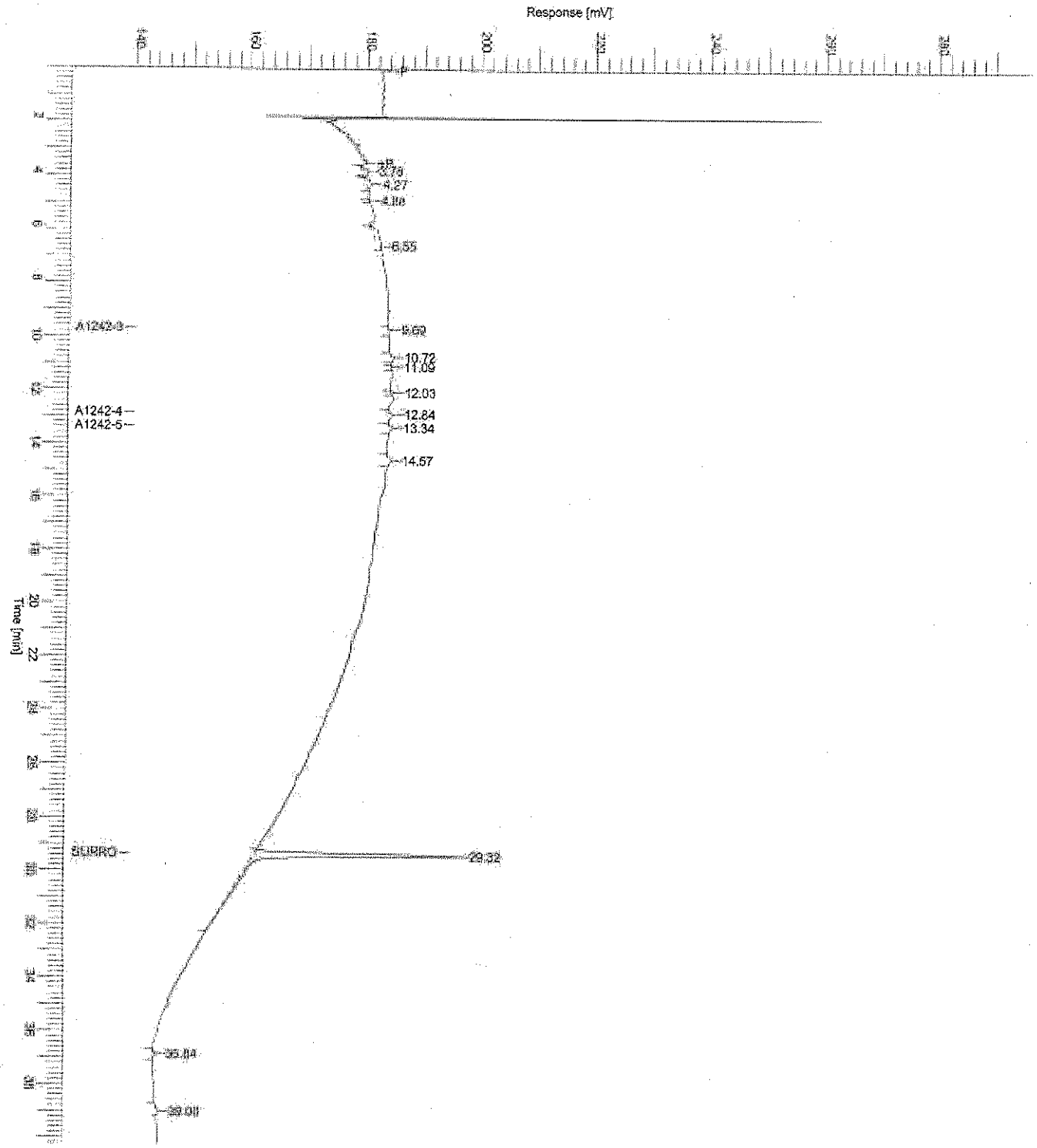
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	12.838	26618.20		0.3702	0.0925
12	Surrogate	29.322	358885.81	BB	80.8978	20.2245
			385504.01		81.2680	20.3170

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
-	A1242-1	7.651	0.00		0.0000	0.0000
-	A1242-2	9.055	0.00		0.0000	0.0000
5	A1242-3	9.686	5282.16	BB	0.1564	0.0391
9	A1242-4	12.838	12014.98	BB	0.1619	0.0405
10	A1242-5	13.338	9321.06	BB	0.5584	0.1396
			26618.20		0.8767	0.2192

Chromatogram

Sample Name : Wipe-AK1 Sample #: 012
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\926_023.raw
Date : 9/27/2005 8:33:02 AM
Method : 1242.mth Time of Injection: 9/27/2005 7:52:54 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/27/2005 11:35:30 AM
Reprocess Number	: optiplexgx270: 7414		
Operator	: Manager	Sample Name	: 1242-40
Sample Number	: 016	Study	: ccv-1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/27
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/27/2005 10:55:07 AM	Cycle	: 27

#5

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_027.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_027.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_027.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_027.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_027.rst
Report Format File : c:\clarus 500 gc\2005\sept\sept17\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\926.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

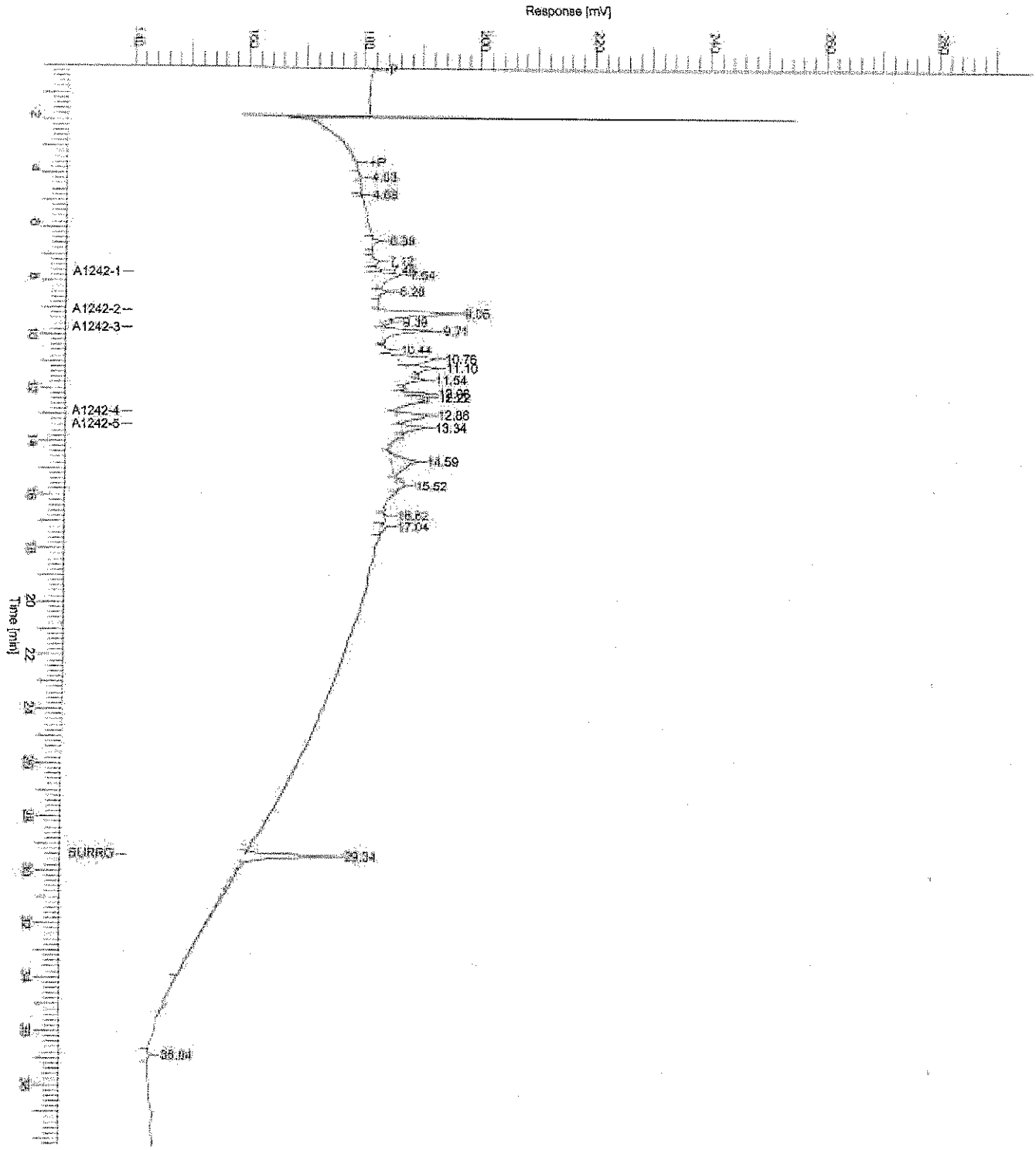
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.051	444199.18		31.2811	31.2811
23	Surrogate	29.345	231011.03	BB	44.9679	44.9679
			675210.22		76.2489	76.2489

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	A1242-1	7.644	71468.59	VV	7.8489	7.8489
8	A1242-2	9.051	157723.01	BE	7.7805	7.7805
10	A1242-3	9.709	90358.16	VB	7.1352	7.1352
17	A1242-4	12.861	79181.20	BV	4.7236	4.7236
18	A1242-5	13.336	45468.21	VB	3.5643	3.5643
			444199.18		31.0524	31.0524

Chromatogram

Sample Name : 1242-40 Sample #: 016
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\926_027.raw
Date : 9/27/2005 11:35:30 AM
Method : 1242.mth Time of Injection: 9/27/2005 10:55:07 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/26/2005 7:44:21 PM
Reprocess Number	: optiplexgx270: 7393		
Operator	: Manager	Sample Name	: BL0509213-23
Sample Number	: 001	Study	: Enviro-Solv-Liquid
AutoSampler	: BUILT-IN	Rack/Vial	: 0/6
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 25.00
Data Acquisition Time	: 9/26/2005 7:04:01 PM	Cycle	: 6

#6

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_006.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\926_006.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_006.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_006.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\926_006.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept17\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\926.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

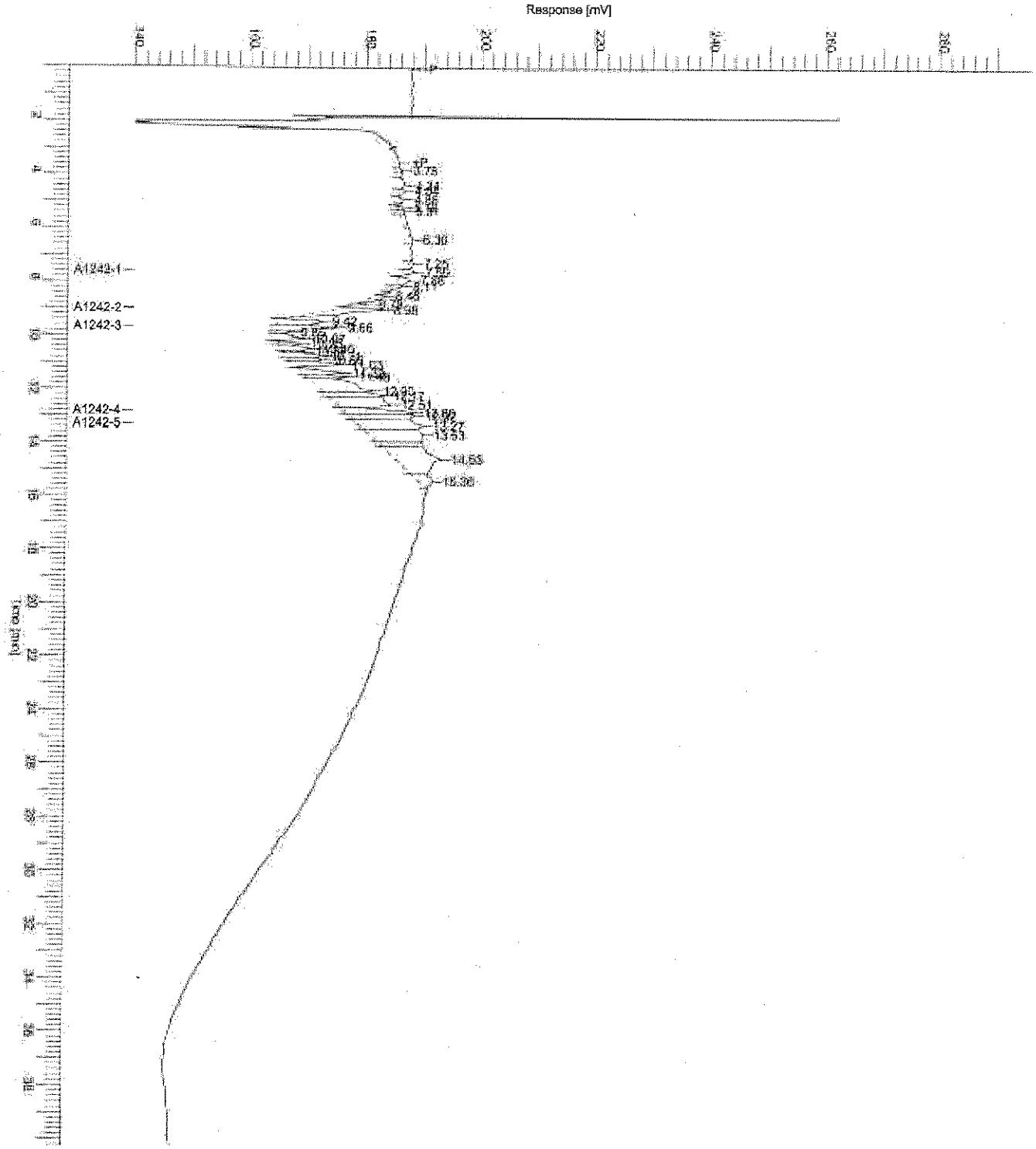
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	12.797	577808.65		41.1713	1050.2892
			577808.65		41.1713	1050.2892

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
9	A1242-1	7.585	24250.07	VB	2.6348	67.2136
14	A1242-2	8.983	124637.55	BB	6.0862	155.3101
16	A1242-3	9.660	96161.64	VV	7.6112	194.1644
30	A1242-4	12.797	117704.96	VV	7.3400	187.2444
32	A1242-5	13.275	215054.44	VV	17.6665	450.6752
			577808.65		41.3406	1054.6077

Chromatogram

Sample Name : BL0509213-23 Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\926_006.raw
Date : 9/26/2005 7:44:21 PM
Method : 1242.mth Time of Injection: 9/26/2005 7:04:01 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/28/2005 10:21:10 AM
Reprocess Number	: optiplexgx270: 7438		
Operator	: Manager	Sample Name	: 1242-40
Sample Number	: 001	Study	: ICV-1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/6
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/28/2005 9:40:53 AM	Cycle	: 6

#7

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_006.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_006.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_006.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_006.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_006.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

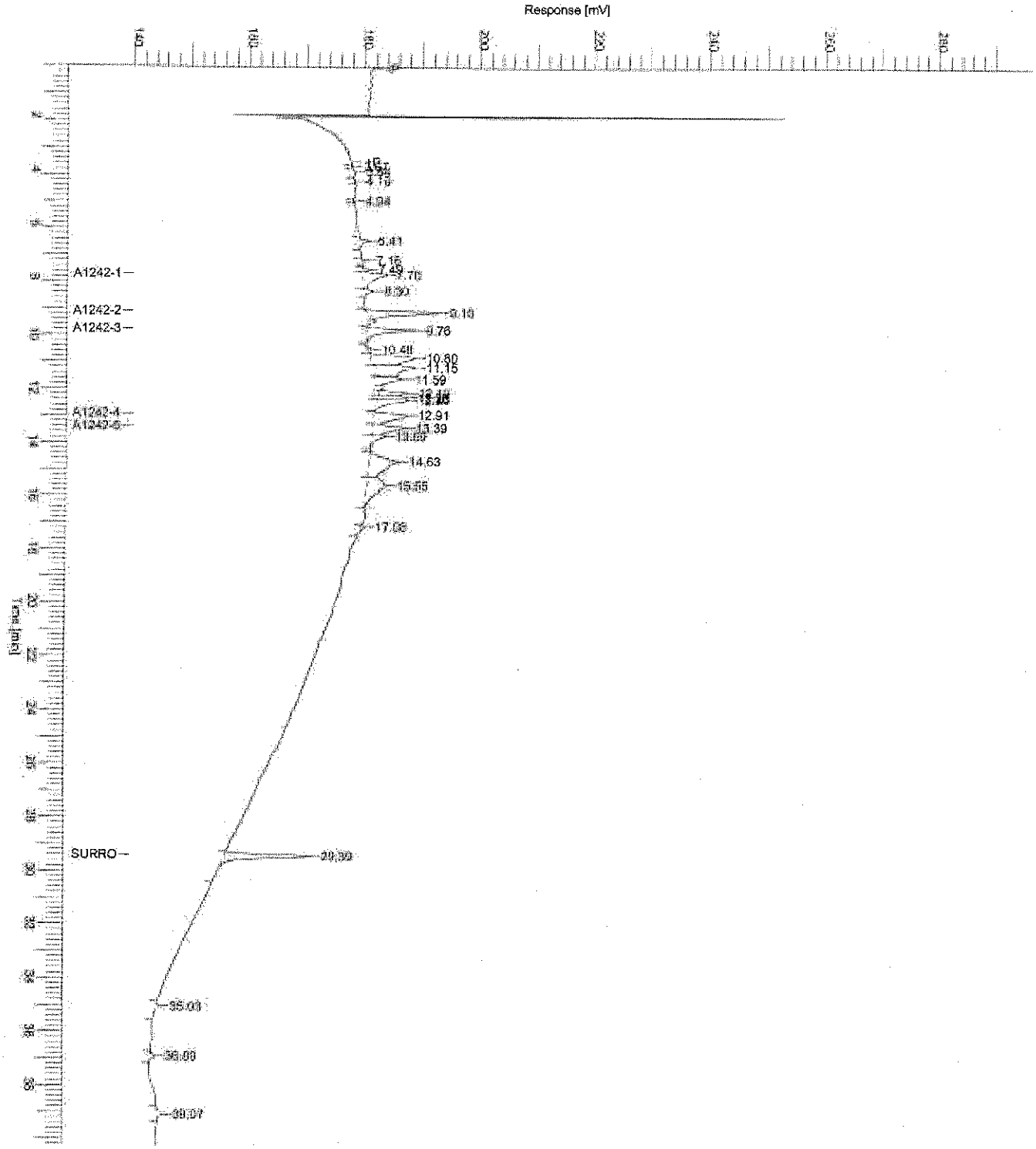
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.097	450278.19		37.3341	37.3341
25	Surrogate	29.394	156325.87	BB	32.9195	32.9195
			606604.06		70.2536	70.2536

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.696	65465.48	VV	7.8619	7.8619
10	A1242-2	9.097	129085.64	BB	6.9518	6.9518
11	A1242-3	9.755	83703.83	BB	7.2433	7.2433
19	A1242-4	12.908	92013.64	BV	7.4330	7.4330
20	A1242-5	13.386	80009.60	VV	8.3196	8.3196
			450278.19		37.8096	37.8096

Chromatogram

Sample Name : 1242-40 Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_006.raw
Date : 9/28/2005 10:21:10 AM
Method : 1242.mth Time of Injection: 9/28/2005 9:40:53 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/28/2005 1:21:54 PM
Reprocess Number	: optiplexgx270: 7442		
Operator	: Manager	Sample Name	: Wipe #BK9
Sample Number	: 003	Study	: Wipe-#BK9
AutoSampler	: BUILT-IN	Rack/Vial	: 0/10
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/28/2005 12:41:34 PM	Cycle	: 10

#9

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_010.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_010.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_010.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_010.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_010.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

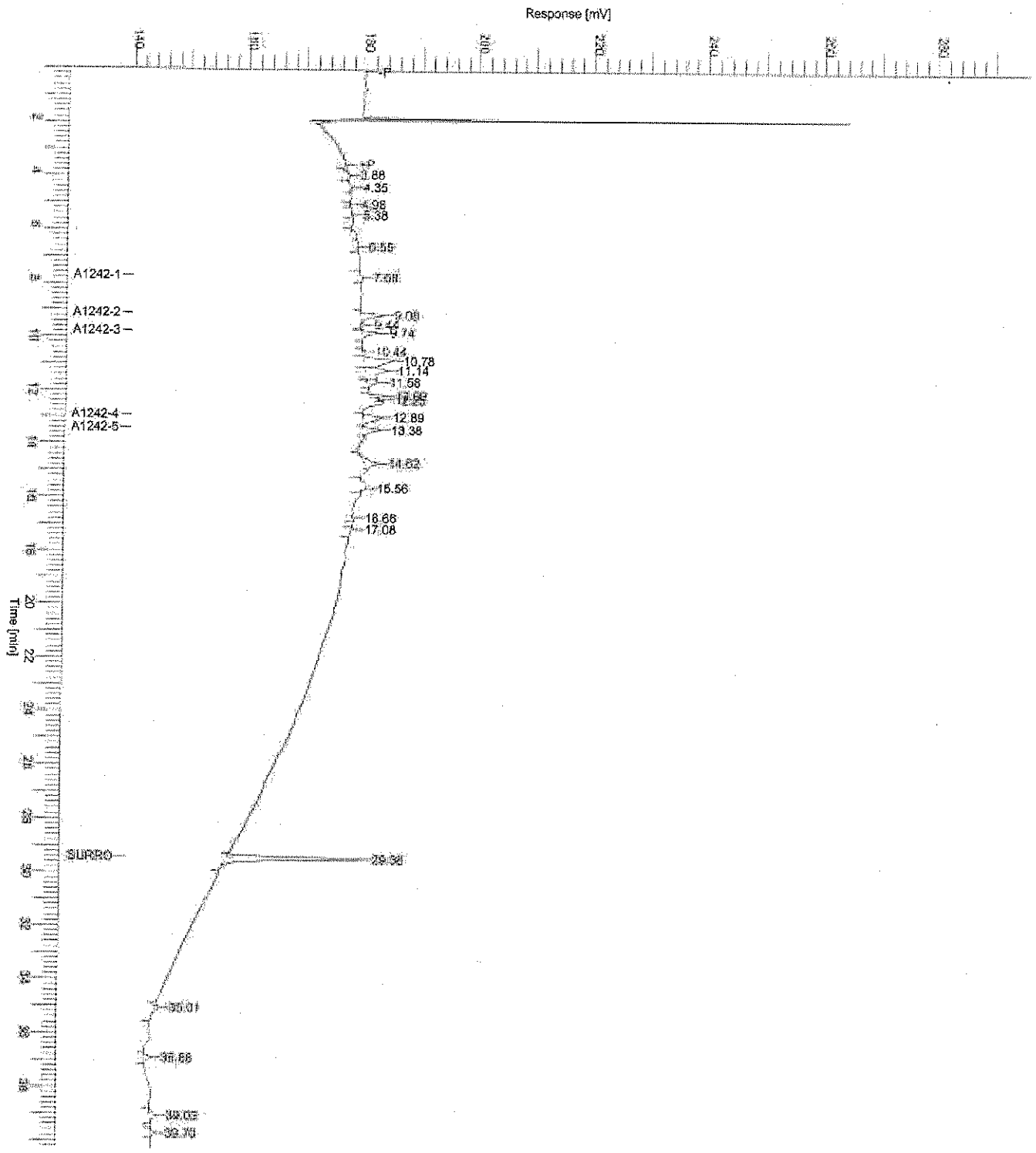
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.081	147757.33		12.7576	3.1894
22	Surrogate	29.378	207368.05	BB	49.7668	12.4417
			355125.39		62.5244	15.6311

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	A1242-1	7.684	6651.29	BB	0.8311	0.2078
7	A1242-2	9.081	41773.03	BE	2.1224	0.5306
9	A1242-3	9.743	26221.75	BB	2.1947	0.5487
16	A1242-4	12.894	44125.80	BV	3.7959	0.9490
17	A1242-5	13.377	28985.47	VB	3.4831	0.8708
			147757.33		12.4272	3.1068

Chromatogram

Sample Name : Wipe #BK9 Sample #: 003
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_010.raw
Date : 9/28/2005 1:21:54 PM
Method : 1242.mth Time of Injection: 9/28/2005 12:41:34 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/28/2005 2:52:11 PM
Reprocess Number	: optiplexgx270: 7444		
Operator	: Manager	Sample Name	: 1242-40
Sample Number	: 005	Study	: ccv-1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/12
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/28/2005 2:11:53 PM	Cycle	: 12

#11

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_012.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_012.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_012.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_012.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_012.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

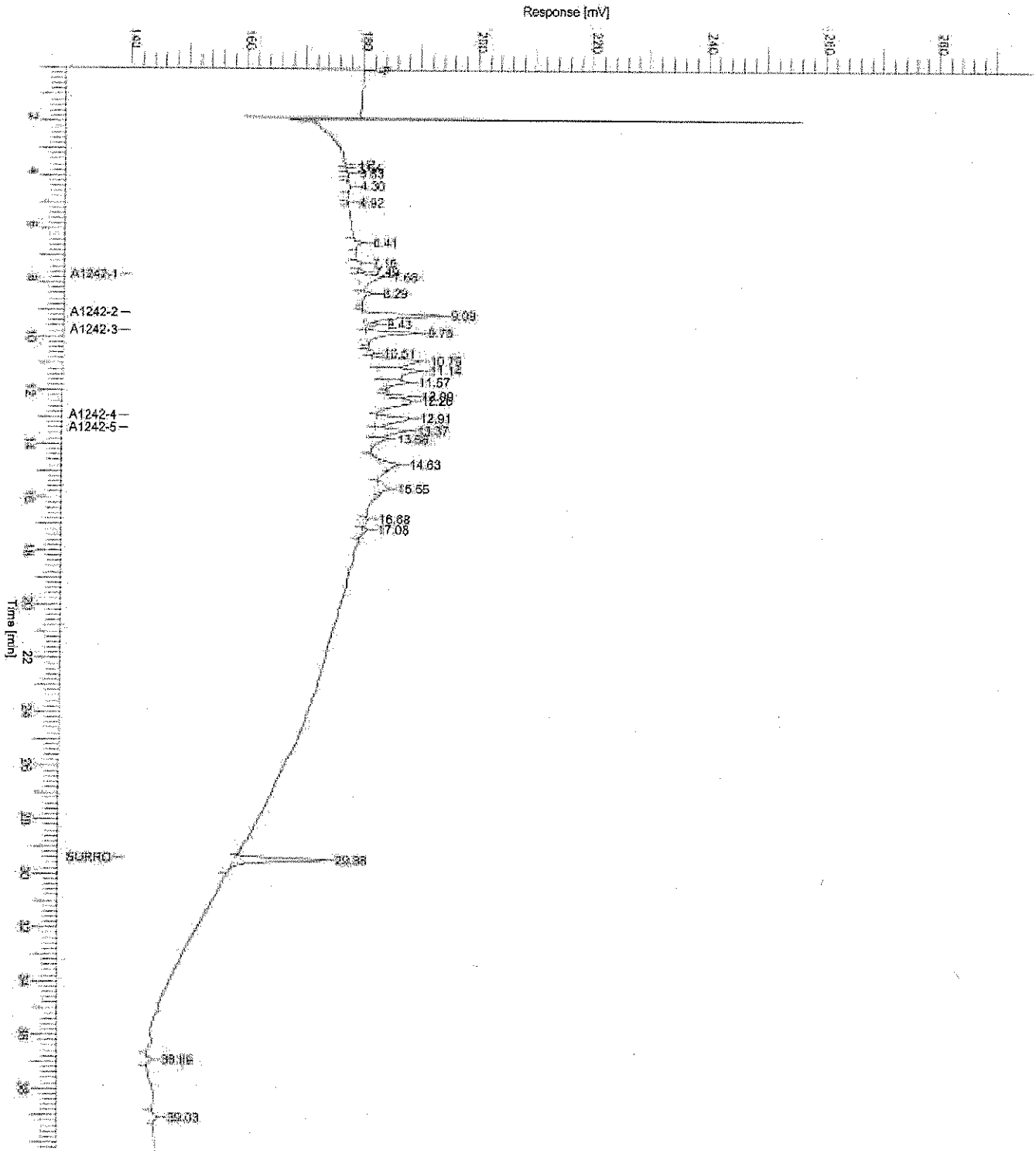
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.090	504982.77		41.7783	41.7783
26	Surrogate	29.383	157645.25	BB	33.3550	33.3550
			662628.02		75.1332	75.1332

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.683	75680.85	VV	9.0831	9.0831
10	A1242-2	9.090	161957.14	BE	8.7700	8.7700
12	A1242-3	9.746	92634.77	VB	8.0277	8.0277
19	A1242-4	12.905	94201.46	BV	7.5991	7.5991
20	A1242-5	13.369	80508.56	VV	8.3669	8.3669
			504982.77		41.8468	41.8468

Chromatogram

Sample Name : 1242-40 Sample #: 005
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_012.raw
Date : 9/28/2005 2:52:11 PM
Method : 1242.mth Time of Injection: 9/28/2005 2:11:53 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/28/2005 3:37:15 PM
Reprocess Number	: optiplexgx270; 7445		
Operator	: Manager	Sample Name	: LCS #9104
Sample Number	: 006	Study	: LCS-Soil #9104
AutoSampler	: BUILT-IN	Rack/Vial	: 0/13
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/28/2005 2:56:52 PM	Cycle	: 13

#12

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_013.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_013.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_013.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_013.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_013.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	13.367	539564.72		44.5877	25.8689
35	Surrogate	29.373	485422.52	BB	141.5434	82.1208
			1024987.24		186.1310	107.9897

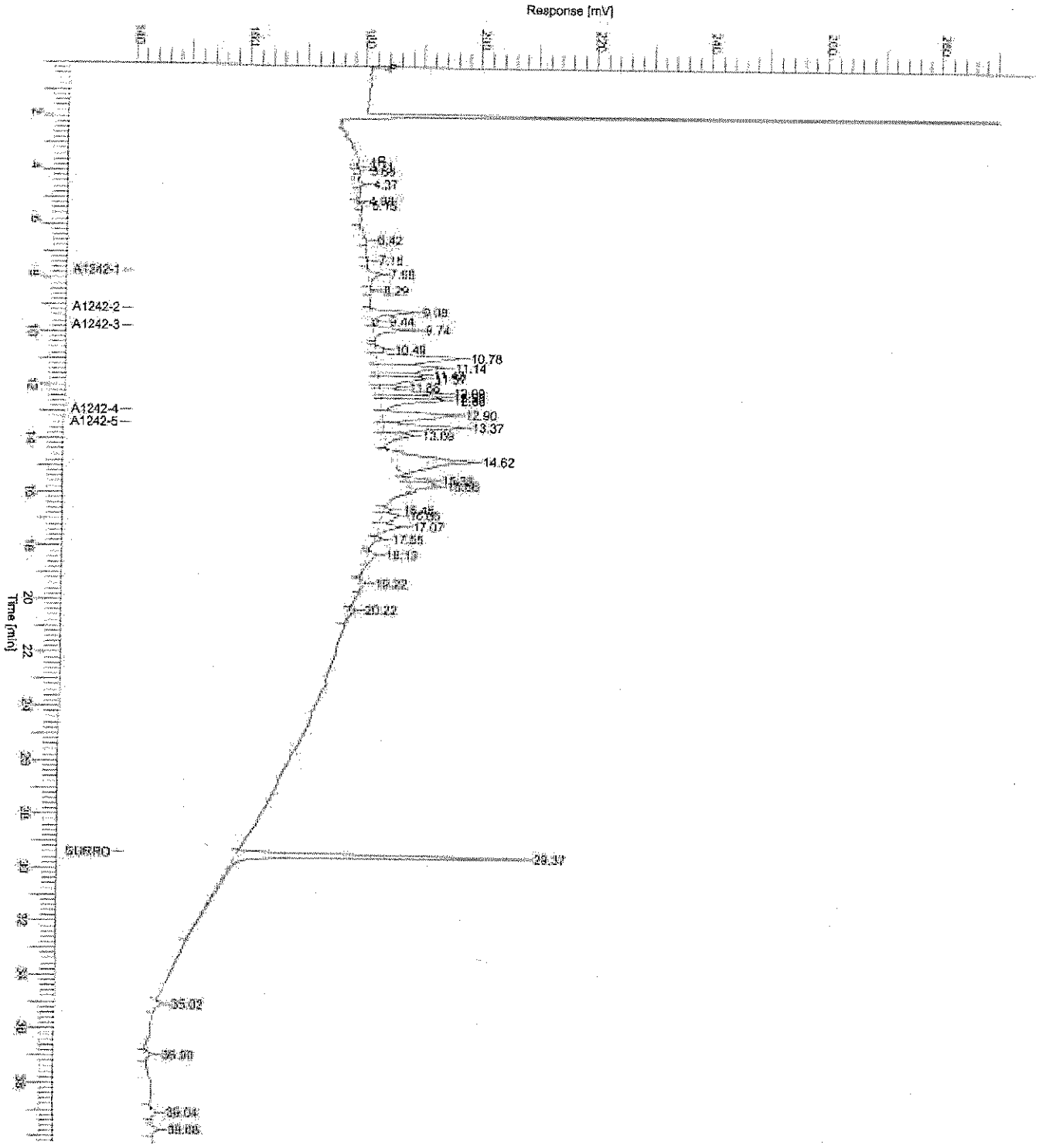
Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.681	33037.70	VV	3.9854	2.3123
10	A1242-2	9.083	79337.50	BE	4.2001	2.4368
12	A1242-3	9.745	63349.82	VB	5.4557	3.1653
22	A1242-4	12.896	194692.64	VV	15.2315	8.8370
23	A1242-5	13.367	169147.06	VV	16.7687	9.7289
			539564.72		45.6414	26.4803

(12.1-30)

Chromatogram

Sample Name : LCS #9104 Sample #: 006
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_013.raw
Date : 9/28/2005 3:37:15 PM
Method 1242.mth Time of Injection: 9/28/2005 2:56:52 PM
Start Time : 0.00 min End Time : 40.26 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/28/2005 5:50:06 PM
Reprocess Number	: optiplexgx270: 7449		
Operator	: Manager	Sample Name	: Wipe #BK6
Sample Number	: 006	Study	: Wipe #BK6
AutoSampler	: BUILT-IN	Rack/Vial	: 0/15
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/28/2005 4:27:14 PM	Cycle	: 1

#13

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_015.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_015.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_015.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242.mth from C:\Clarus 500 GC\2005\SEPT\Sept24\928_015.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242.mth from C:\Clarus 500 GC\2005\SEPT\Sept24\928_015.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

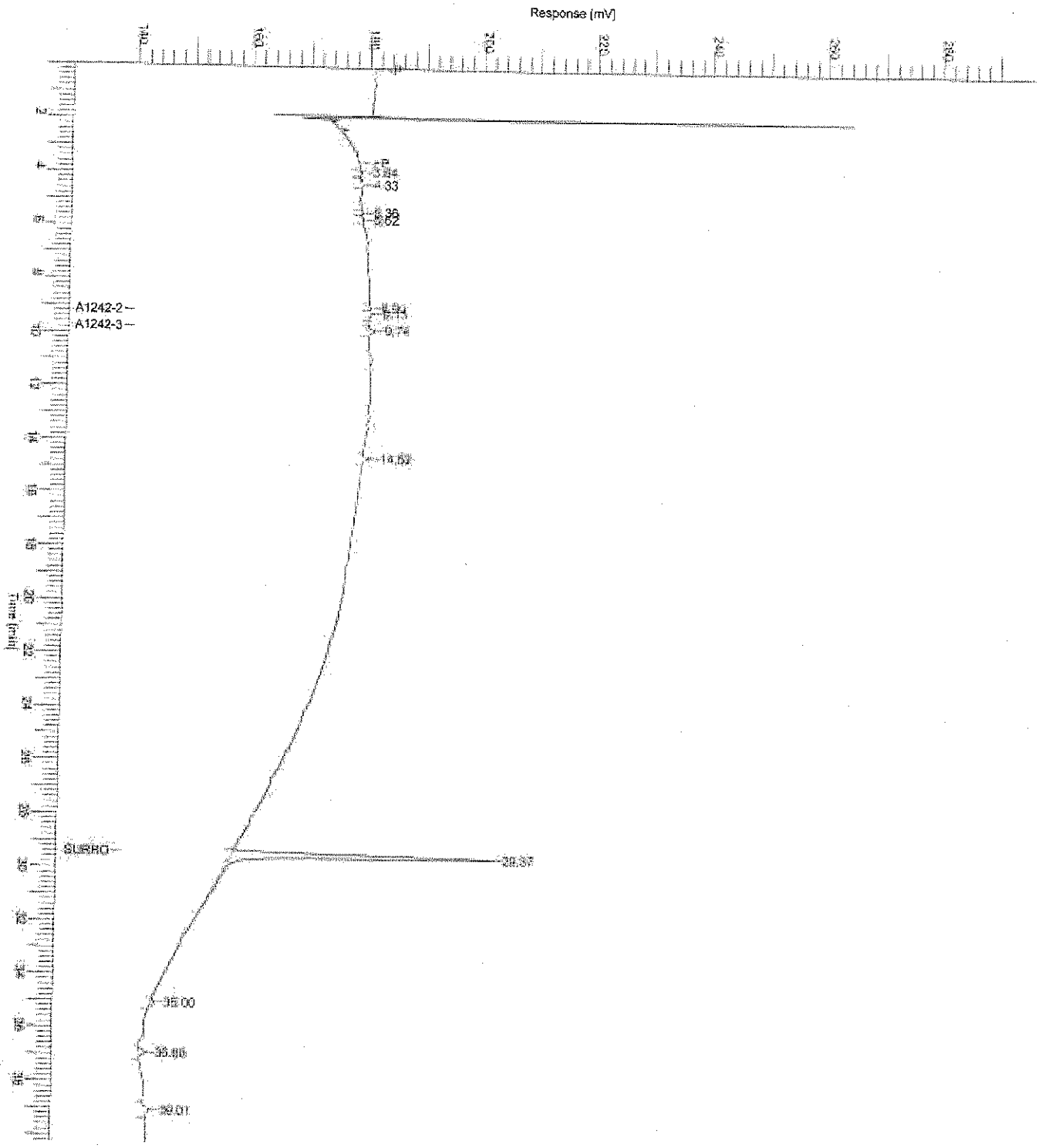
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.740	13390.52		1.8417	0.4604
9	Surrogate	29.372	458855.73	BB	132.7746	33.1936
			472246.25		134.6163	33.6541

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
-	A1242-1	7.695	0.00		0.0000	0.0000
6	A1242-2	9.126	5531.52	VB	0.1178	0.0295
7	A1242-3	9.740	7859.00	BB	0.5819	0.1455
-	A1242-4	12.916	0.00		0.0000	0.0000
-	A1242-5	13.386	0.00		0.0000	0.0000
			13390.52		0.6997	0.1749

Chromatogram

Sample Name : Wipe #BK6 Sample #: 006
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_015.raw
Date : 9/28/2005 5:50:06 PM
Method : 1242 Time of Injection: 9/28/2005 4:27:14 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/28/2005 8:02:25 PM
Reprocess Number	: optiplexgx270: 7453		
Operator	: Manager	Sample Name	: Wipe #BK5
Sample Number	: 009	Study	: Wipe-#BK5
AutoSampler	: BUILT-IN	Rack/Vial	: 0/19
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/28/2005 7:22:02 PM	Cycle	: 19

#16

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_019.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_019.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_019.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_019.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_019.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

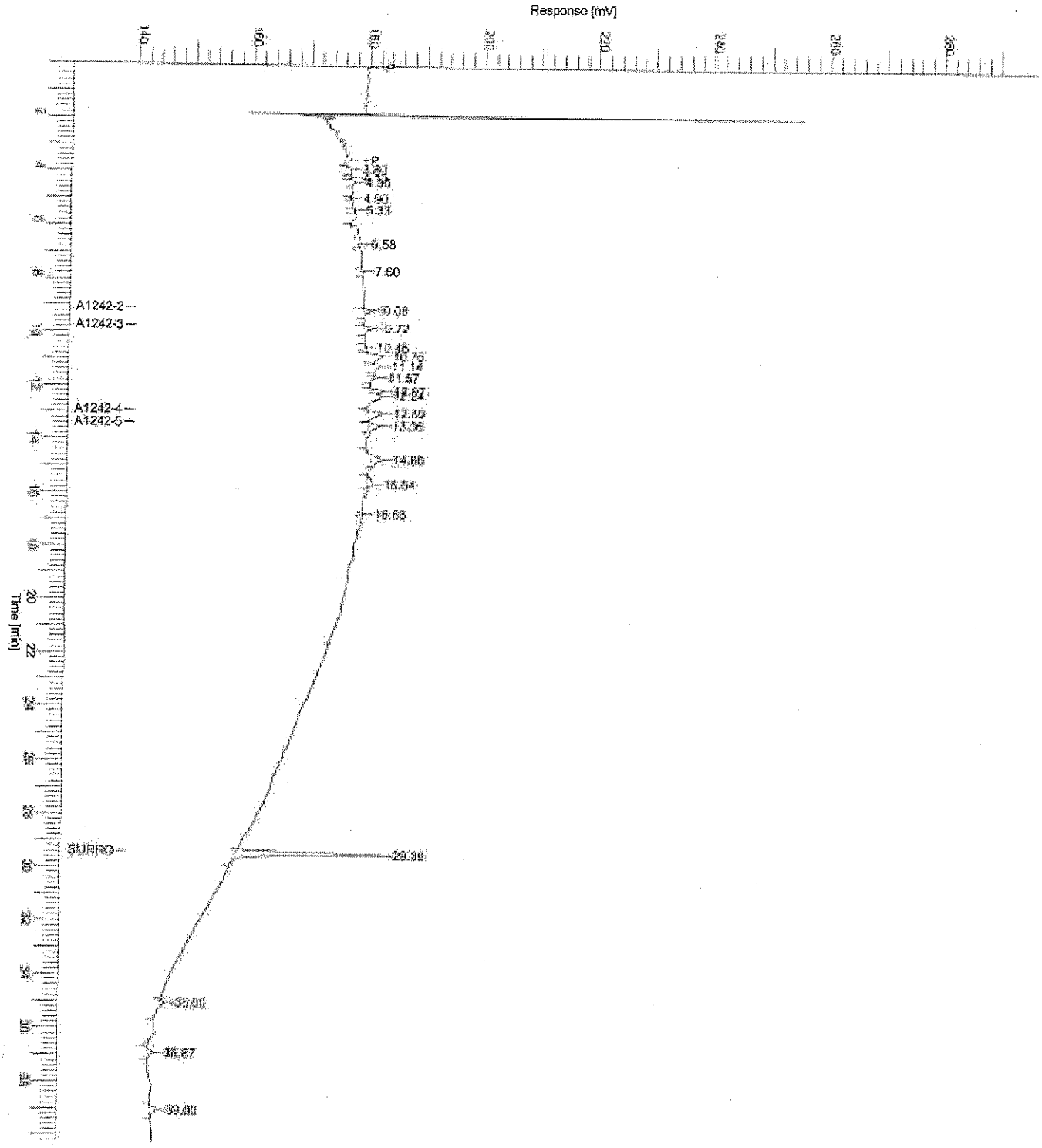
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	12.885	84118.60		7.5876	1.8969
21	Surrogate	29.361	221807.52	BB	54.5328	13.6332
			305926.12		62.1204	15.5301

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
-	A1242-1	7.695	0.00		0.0000	0.0000
8	A1242-2	9.060	14834.95	BB	0.6324	0.1581
9	A1242-3	9.724	15320.52	BB	1.2372	0.3093
16	A1242-4	12.885	32575.84	BB	2.9187	0.7297
17	A1242-5	13.357	21387.30	BB	2.7629	0.6907
			84118.60		7.5512	1.8878

Chromatogram

Sample Name : Wipe #BK5 Sample #: 009
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_019.raw
Date : 9/28/2005 6:02:25 PM
Method : 1242.mth Time of Injection: 9/28/2005 7:22:02 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/28/2005 9:32:59 PM
Reprocess Number	: optiplexgx270: 7455		
Operator	: Manager	Sample Name	: Wipe #AK7
Sample Number	: 011	Study	: Wipe-#AK7
AutoSampler	: BUILT-IN	Rack/Vial	: 0/21
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/28/2005 8:52:38 PM	Cycle	: 21

#18

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_021.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_021.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_021.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_021.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_021.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

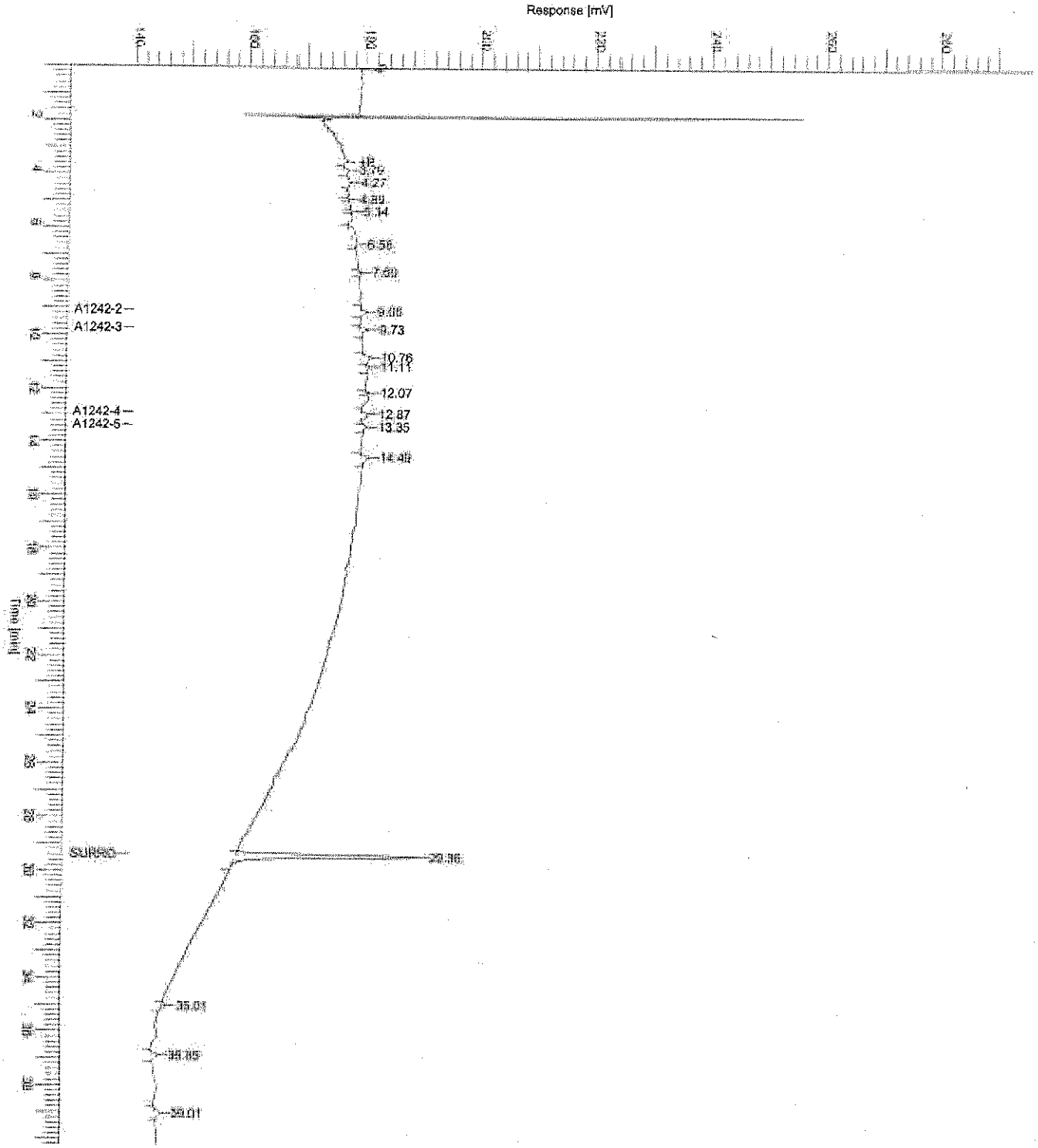
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.729	45366.42		4.4394	1.1099
15	Surrogate	29.356	279027.85	BB	73.4193	18.3548
			324394.27		77.8588	19.4647

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
-	A1242-1	7.695	0.00		0.0000	0.0000
7	A1242-2	9.060	9724.80	BB	0.3498	0.0874
8	A1242-3	9.729	13699.90	BB	1.0949	0.2737
12	A1242-4	12.872	14022.84	BV	1.5096	0.3774
13	A1242-5	13.350	7918.88	VB	1.4863	0.3716
			45366.42		4.4405	1.1101

Chromatogram

Sample Name : Wipe #AK7 Sample #: 011
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_021.raw
Date : 9/28/2005 9:32:59 PM
Method : 1242.mth Time of Injection: 9/28/2005 8:52:38 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 3:37:13 AM
Reprocess Number	: optiplexgx270: 7463		
Operator	: Manager		
Sample Number	: 019	Sample Name	: 1242-40
AutoSampler	: BUILT-IN	Study	: ccv-1242-40
Instrument Name	: CLARUS 500	Rack/Vial	: 0/29
Instrument Serial #	: None	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 6.2500 pts/s	End Time	: 40.25 min
Sample Volume	: 1.000000 NG/UL		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 9/29/2005 2:56:59 AM	Dilution Factor	: 1.00
		Cycle	: 29

#21

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_029.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_029.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_029.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_029.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_029.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

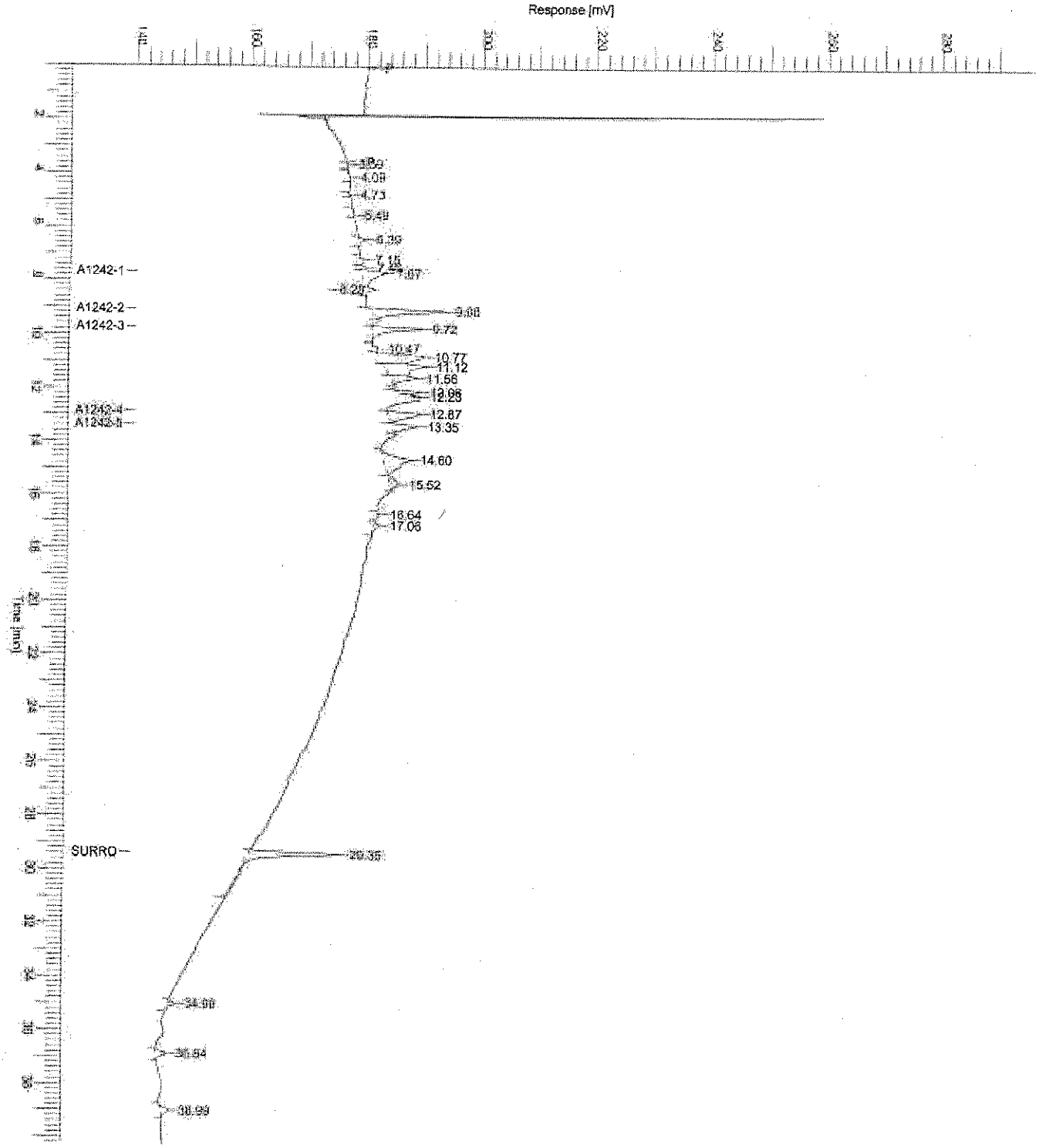
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.065	419987.57		34.8733	34.8733
24	Surrogate	29.352	183188.23	BB	41.7859	41.7859
			603175.80		76.6592	76.6592

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.668	69711.13	VV	8.3694	8.3694
10	A1242-2	9.065	137172.40	BB	7.3991	7.3991
11	A1242-3	9.724	85685.33	BB	7.4174	7.4174
18	A1242-4	12.873	80779.73	BV	6.5798	6.5798
19	A1242-5	13.352	46638.99	VB	5.1565	5.1565
			419987.57		34.9221	34.9221

Chromatogram

Sample Name : 1242-40 Sample #: 019
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_029.raw
Date : 9/29/2005 3:37:13 AM
Method : 1242.mth Time of Injection: 9/29/2005 2:56:59 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 4:22:51 AM
Reprocess Number	: optiplexgx270: 7464		
Operator	: Manager	Sample Name	: LCS-#20030
Sample Number	: 020	Study	: LCS-Soil #20030
AutoSampler	: BUILT-IN	Rack/Vial	: 0/30
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 3:42:38 AM	Cycle	: 30

#22

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_030.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\928_030.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_030.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_030.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\928_030.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\928.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.048	1658856.13		135.5179	94.8208
34	Surrogate	29.341	436661.13	BB	125.4489	87.7756
			2095517.26		260.9668	182.5964

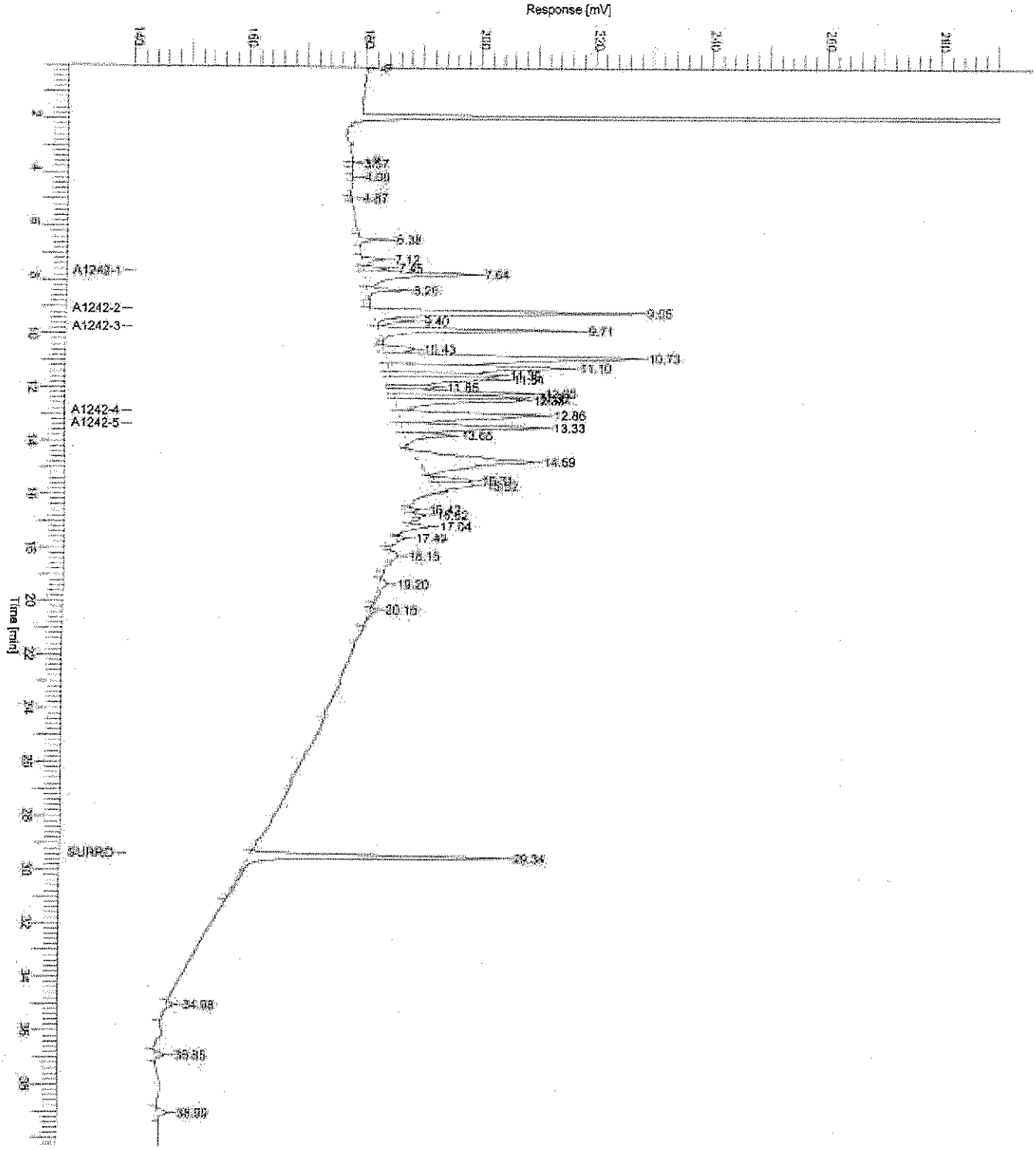
Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
7	A1242-1	7.644	235854.44	VV	28.2305	19.7527
9	A1242-2	9.048	479378.50	BE	26.3271	18.4208
11	A1242-3	9.711	285163.08	VB	24.9375	17.4486
21	A1242-4	12.858	367057.19	VV	28.3226	19.8171
22	A1242-5	13.330	291402.91	VV	28.3570	19.8412
			1658856.13		136.1747	95.2804

(41-150)

Chromatogram

Sample Name : LCS-#20030 Sample #: 020
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\928_030.raw
Date : 9/29/2005 4:22:51 AM
Method : 1242.mth Time of Injection: 9/29/2005 3:42:38 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 4:00:28 PM
Reprocess Number	: optiplexgx270: 7475		
Operator	: Manager		
Sample Number	: 001	Sample Name	: 1242-40
AutoSampler	: BUILT-IN	Study	: ccv-1242-40
Instrument Name	: CLARUS 500	Rack/Vial	: 0/10
Instrument Serial #	: None	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 6.2500 pts/s	End Time	: 40.25 min
Sample Volume	: 1.000000 NG/UL		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 9/29/2005 3:20:13 PM	Dilution Factor	: 1.00
		Cycle	: 10

#23

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_010.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_010.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_010.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_010.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_010.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

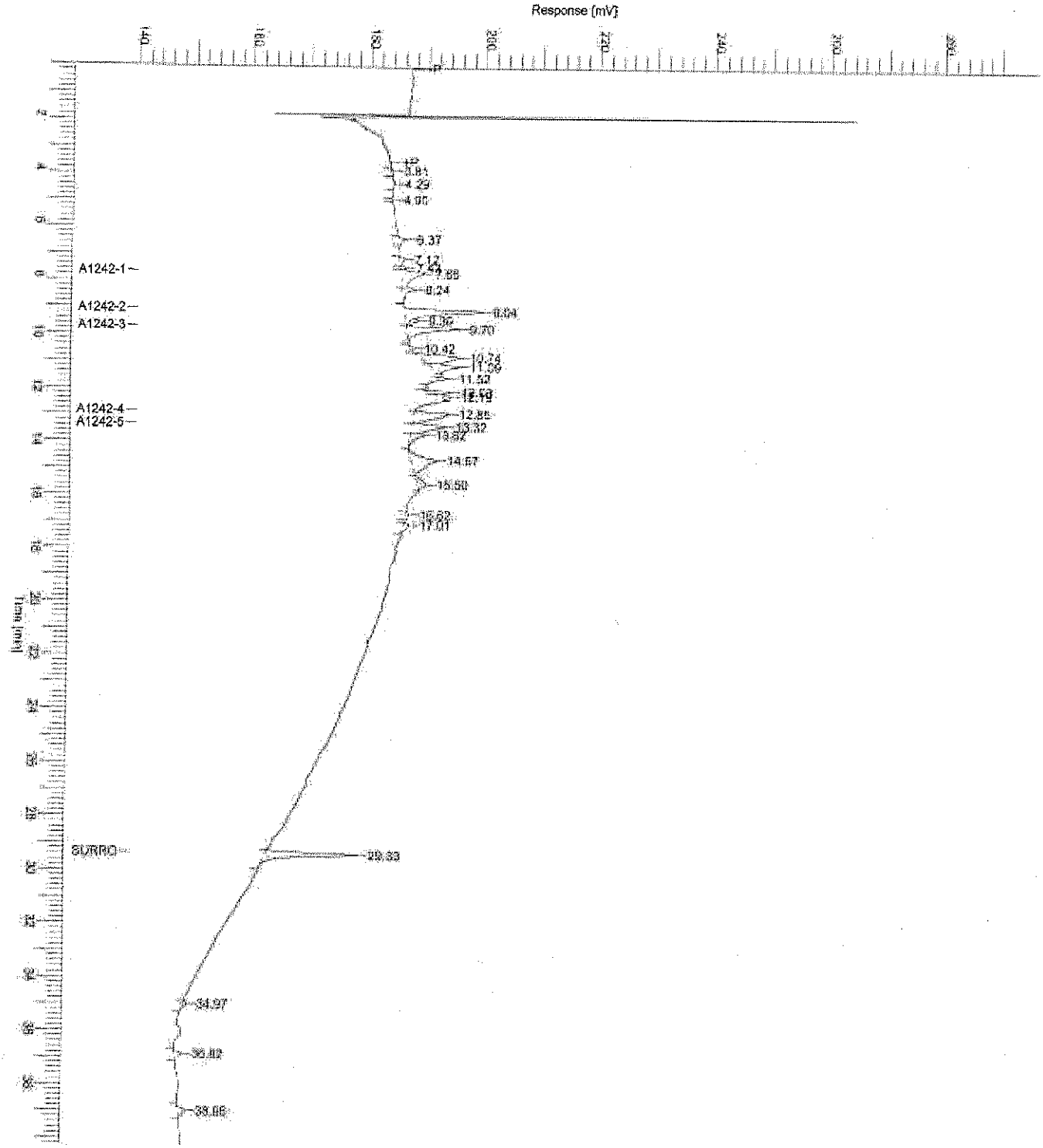
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.043	510554.83		39.5119	39.5119
25	Surrogate	29.327	160100.49	BB	27.2451	27.2451
			670655.32		66.7571	66.7571

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
7	A1242-1	7.648	77007.23	VV	8.7533	8.7533
9	A1242-2	9.043	164170.23	BE	8.6332	8.6332
11	A1242-3	9.697	93500.50	VB	7.5766	7.5766
18	A1242-4	12.845	95370.24	BV	6.8768	6.8768
19	A1242-5	13.316	80506.63	VV	7.3879	7.3879
			510554.83		39.2278	39.2278

Chromatogram

Sample Name : 1242-40 Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_010.raw
Date : 9/29/2005 4:00:28 PM
Method : 1242.mth Time of Injection: 9/29/2005 3:20:13 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 4:45:34 PM
Reprocess Number	: optiplexgx270: 7476		
Operator	: Manager	Sample Name	: LCS #20030
Sample Number	: 002	Study	: LCS-Soil #20030
AutoSampler	: BUILT-IN	Rack/Vial	: 0/11
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 4:05:11 PM	Cycle	: 11

#24

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_011.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_011.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_011.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_011.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_011.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.026	1653895.63		132.1555	92.4681
33	Surrogate	29.324	479147.65	BB	121.0164	84.6742
			2133043.28		253.1719	177.1424

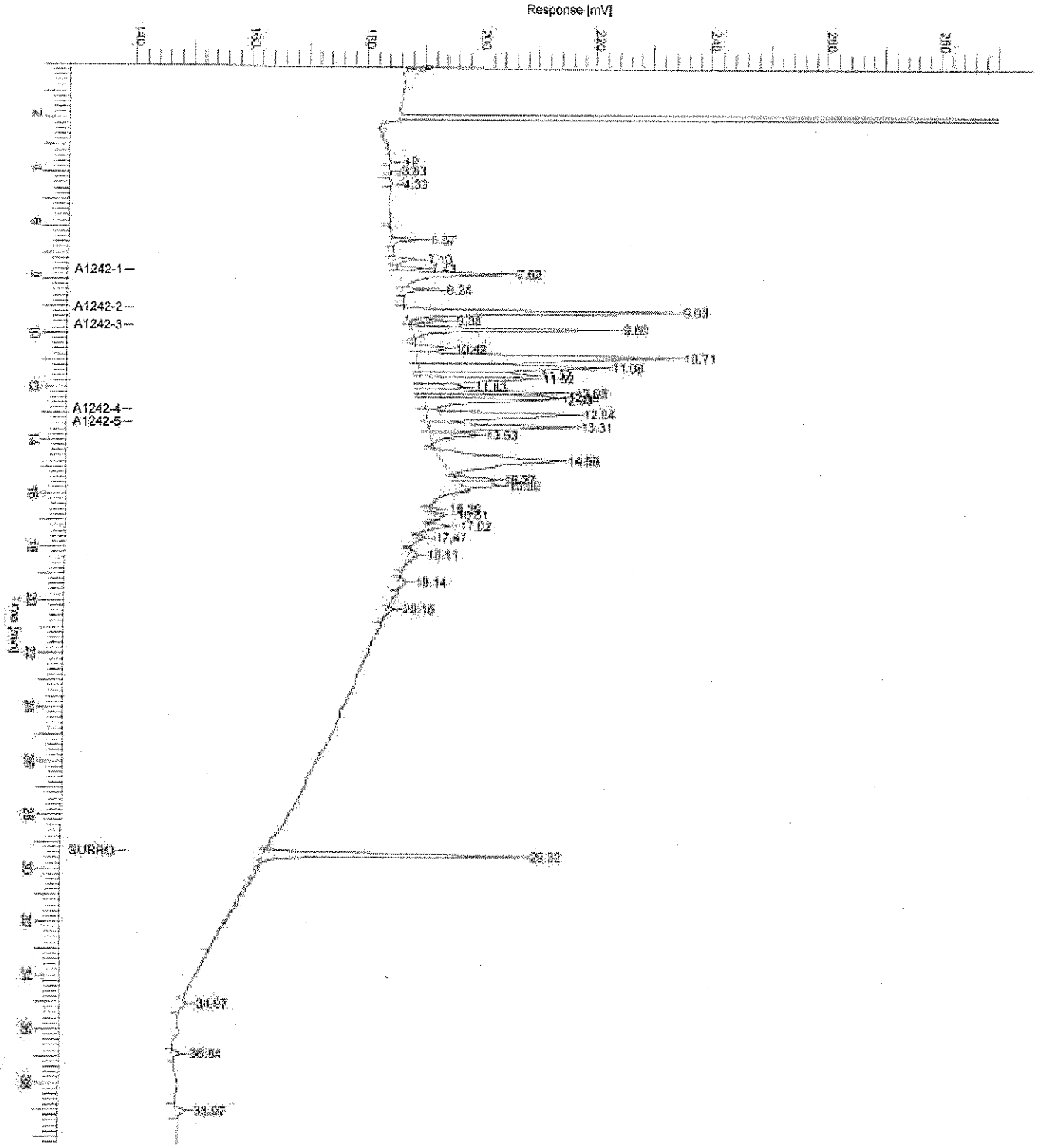
Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	A1242-1	7.624	225100.59	VV	25.6375	17.9384
8	A1242-2	9.026	479444.62	BE	25.1257	17.5803
10	A1242-3	9.690	285871.92	VB	24.1276	16.8819
20	A1242-4	12.836	371158.87	VV	29.5107	20.6484
21	A1242-5	13.308	292319.62	VV	28.5450	19.9727
			1653895.63		132.9466	93.0217

(41-150)

Chromatogram

Sample Name : LCS #20030 Sample #: 002
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_011.raw
Date : 9/29/2005 4:45:34 PM
Method : 1242.mtn Time of Injection: 9/29/2005 4:05:11 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 6:15:53 PM
Reprocess Number	: optiplexgx270: 7478		
Operator	: Manager	Sample Name	: Wipe-BK1
Sample Number	: 004	Study	: Wipe-BK1 (2,500@ 2hr) ~~9/29~~ 9/27 CJ
AutoSampler	: BUILT-IN	Rack/Vial	: 0/13
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 5:35:32 PM	Cycle	: 13

#25

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_013.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_013.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_013.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_013.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_013.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

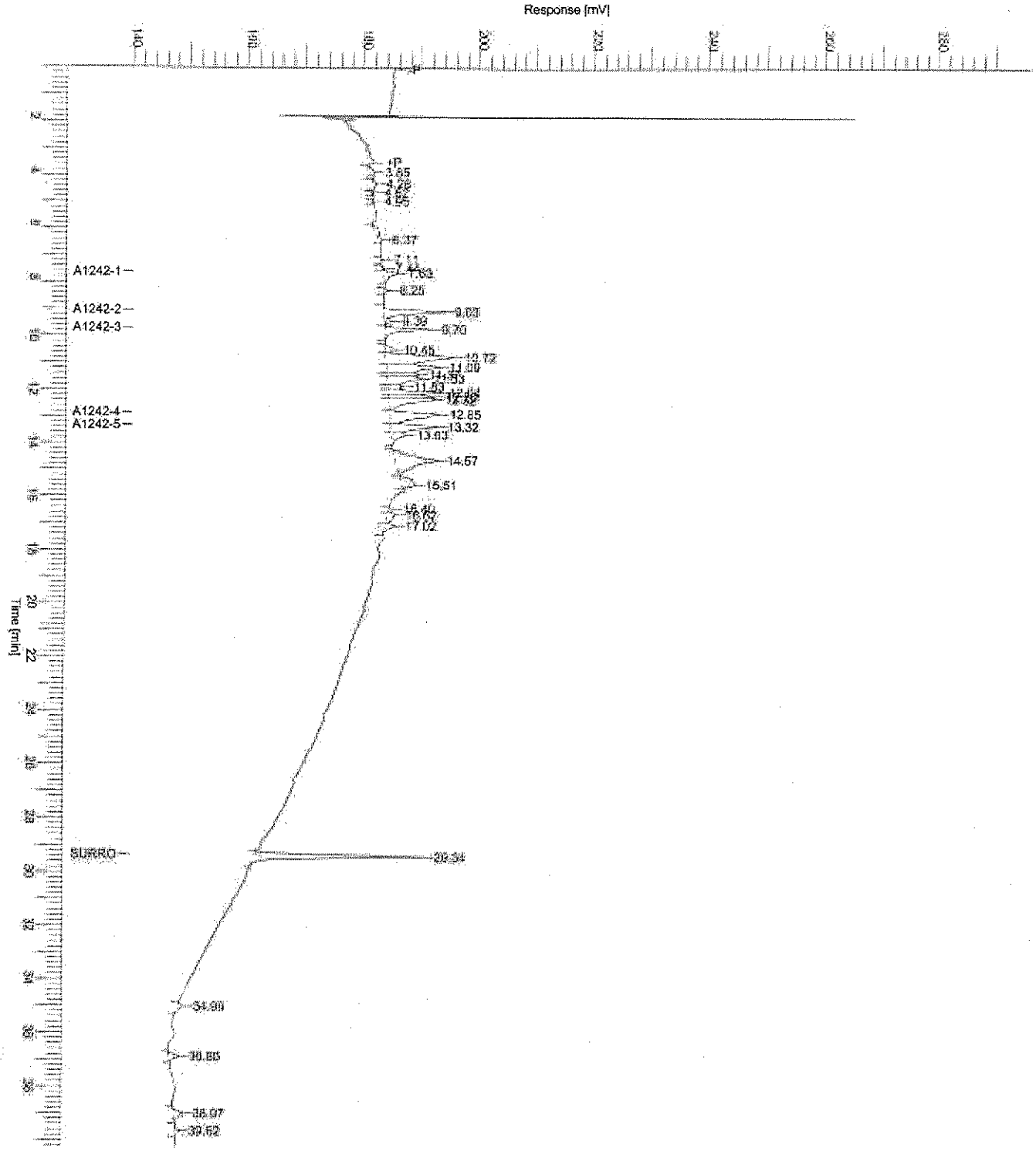
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
-	Aroclor 1242	9.034	420790.11		32.2384	8.0596
30	Surrogate	29.337	255300.51	BB	55.2254	13.8064
			676090.62		87.4638	21.8660

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.625	28624.80	VB	3.2372	0.8093
10	A1242-2	9.034	104322.54	BE	5.5025	1.3756
12	A1242-3	9.697	66506.88	VB	5.2542	1.3135
22	A1242-4	12.846	124995.95	VV	9.3081	2.3270
23	A1242-5	13.318	96339.94	VV	8.9694	2.2423
			420790.11		32.2714	8.0678

Chromatogram

Sample Name : Wipe-BK1 Sample #: 004
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_013.raw
Date : 9/29/2005 6:15:53 PM
Method : 1242 mth Time of Injection: 9/29/2005 5:35:32 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 6:53:48 PM
Reprocess Number	: optiplexgx270: 7479		
Operator	: Manager	Sample Name	: Wipe-AK10
Sample Number	: 005	Study	: Wipe-AK10 (5,000@ 2hr 9/29)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/14
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 32.14 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 6:21:32 PM	Cycle	: 14

#26

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_014.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_014.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_014.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_014.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_014.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

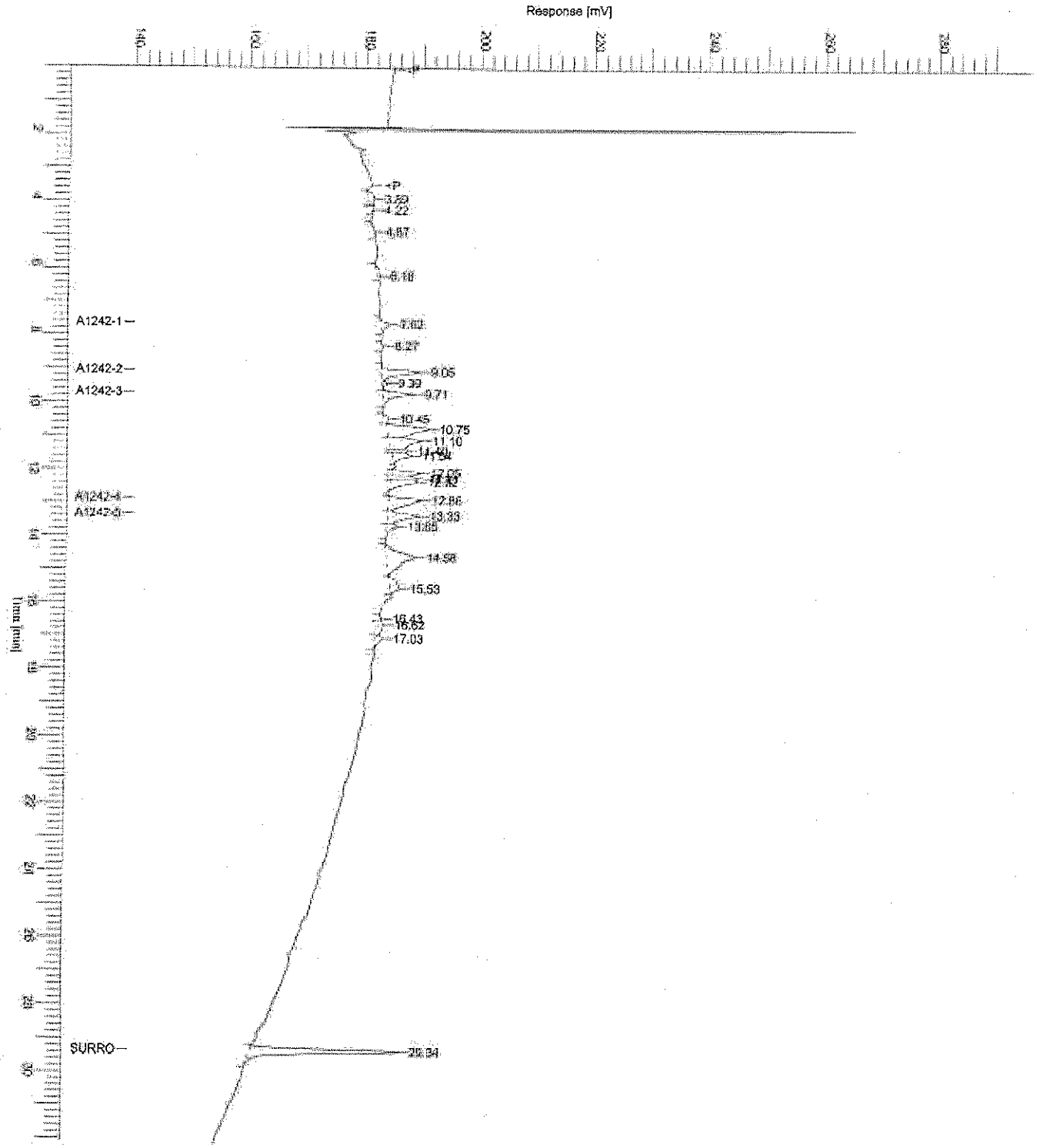
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.047	281877.80		20.9825	5.2456
26	Surrogate	29.340	230629.59	BB	47.9744	11.9936
			512507.38		68.9569	17.2392

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
5	A1242-1	7.617	19046.29	BB	2.1451	0.5363
7	A1242-2	9.047	71164.27	BE	3.7680	0.9420
9	A1242-3	9.710	48404.63	VB	3.6967	0.9242
18	A1242-4	12.861	77699.61	BV	5.4265	1.3566
19	A1242-5	13.331	65563.01	VV	5.8952	1.4738
			281877.80		20.9315	5.2329

Chromatogram

Sample Name : Wipe-AK10 Sample #: 005
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_014.raw
Date : 9/29/2005 6:53:48 PM
Method : 1242.mth Time of Injection: 9/29/2005 6:21:32 PM
Start Time : 0.00 min End Time : 32.14 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 9:09:09 PM
Reprocess Number	: optiplexgx270: 7482		
Operator	: Manager	Sample Name	: Wipe-AK4
Sample Number	: 006	Study	: Wipe-AK4 (5,000@ 6hr 9/29)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/17
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 8:28:48 PM	Cycle	: 17

#29

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_017.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_017.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_017.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_017.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_017.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

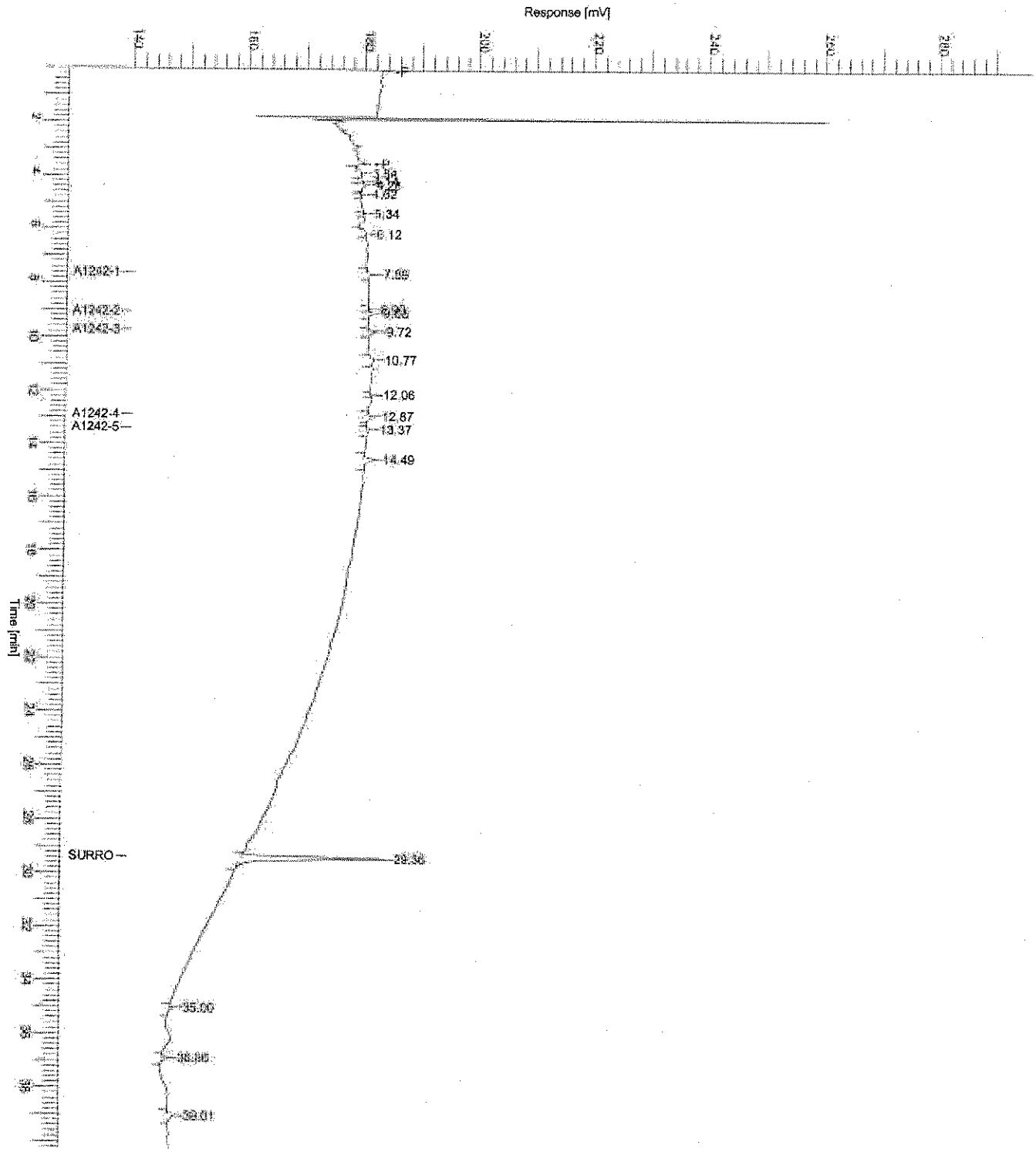
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.719	41509.04		1.5057	0.3764
16	Surrogate	29.356	217793.47	BB	44.2017	11.0504
			259302.51		45.7074	11.4269

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
7	A1242-1	7.594	9148.40	BB	1.0167	0.2542
9	A1242-2	9.030	6708.08	VB	0.3962	0.0990
10	A1242-3	9.719	10938.10	BB	0.4732	0.1183
13	A1242-4	12.868	9382.32	BB	-0.1802	-0.0451
14	A1242-5	13.367	5332.15	BB	-0.1210	-0.0303
			41509.04		1.5848	0.3962

Chromatogram

Sample Name : Wipe-AK4 Sample # 006
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_017.raw
Date : 9/29/2005 9:09:10 PM
Method 1242 mth Time of Injection: 9/29/2005 6:26:48 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 9:54:25 PM
Reprocess Number	: optiplexgx270 7483		
Operator	: Manager	Sample Name	: Wipe-AK1
Sample Number	: 006	Study	: Wipe-AK1 (5,000@ 4hr 9/29)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/18
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 9:14:05 PM	Cycle	: 18

#30

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_018.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_018.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_018.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_018.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_018.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

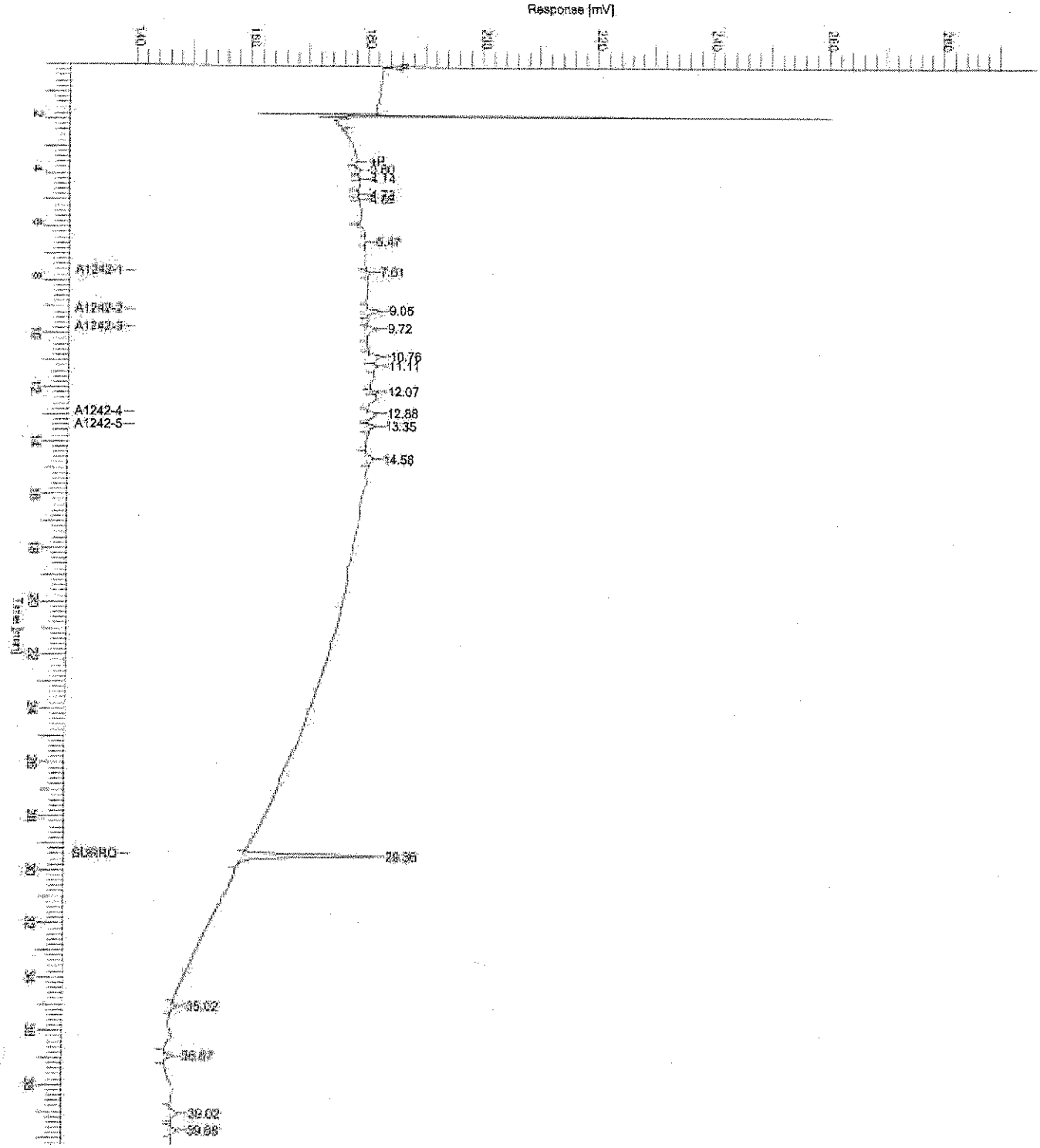
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.050	74633.94		4.1898	1.0474
15	Surrogate	29.363	203367.75	BB	39.9618	9.9905
			278001.69		44.1516	11.0379

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	A1242-1	7.609	6554.11	BB	0.7209	0.1802
7	A1242-2	9.050	18376.78	BB	1.0066	0.2516
8	A1242-3	9.716	19695.60	BB	1.2267	0.3067
12	A1242-4	12.877	18592.49	BB	0.5756	0.1439
13	A1242-5	13.348	11414.96	BB	0.4866	0.1216
			74633.94		4.0163	1.0041

Chromatogram

Sample Name : Wipe-AK1 Sample #: 006
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_018.raw
Date : 9/29/2005 9:54:26 PM
Method : 1242.mth Time of Injection: 9/29/2005 9:14:05 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/30/2005 12:10:14 AM
Reprocess Number	: optiplexgx270: 7486		
Operator	: Manager	Sample Name	: Wipe-BK7
Sample Number	: 009	Study	: Wipe-BK7 (2,500@ 2hr 9/29)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/21
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 11:29:56 PM	Cycle	: 21

#33

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_021.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_021.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_021.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_021.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_021.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

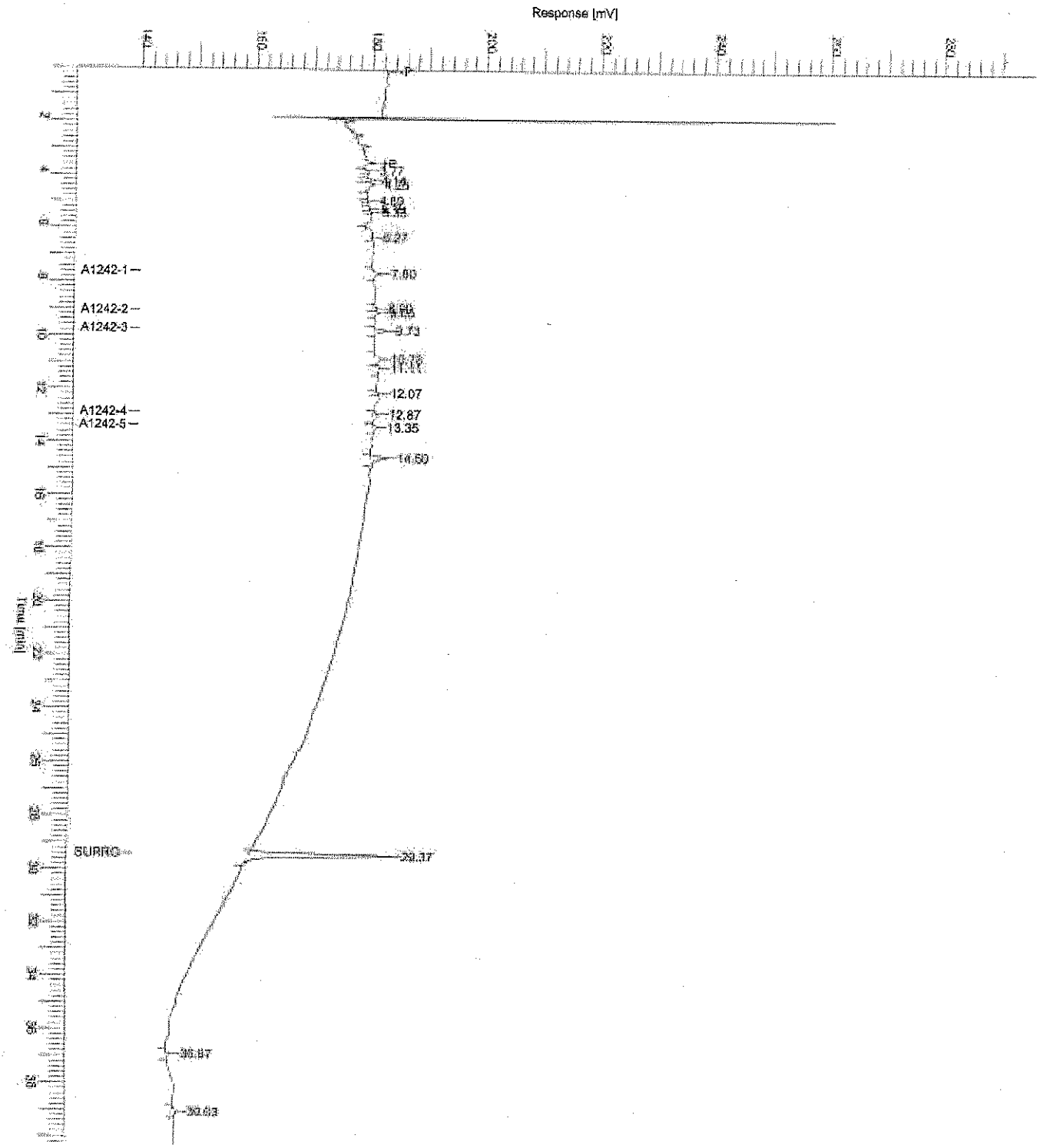
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.726	50037.59		2.1968	0.5492
16	Surrogate	29.368	216122.32	BB	43.7105	10.9276
			266159.91		45.9073	11.4768

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.599	10254.82	BB	1.1428	0.2857
10	A1242-2	9.045	7006.61	VB	0.4118	0.1029
11	A1242-3	9.726	13962.02	BB	0.7334	0.1833
15	A1242-4	12.866	11304.80	BB	-0.0225	-0.0056
16	A1242-5	13.354	7509.34	BB	0.0964	0.0241
			50037.59		2.3619	0.5905

Chromatogram

Sample Name : Wipe-BK7 Sample #: 009
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_021.raw
Date : 9/30/2005 12:10:14 AM
Method : 1242.mth Time of Injection: 9/29/2005 11:29:56 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/30/2005 3:57:33 AM
Reprocess Number	: optiplexgx270: 7491		
Operator	: Manager	Sample Name	: 1242-40
Sample Number	: 014	Study	: ccv-1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/26
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/30/2005 3:17:20 AM	Cycle	: 26

#34

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_026.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_026.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_026.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_026.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_026.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

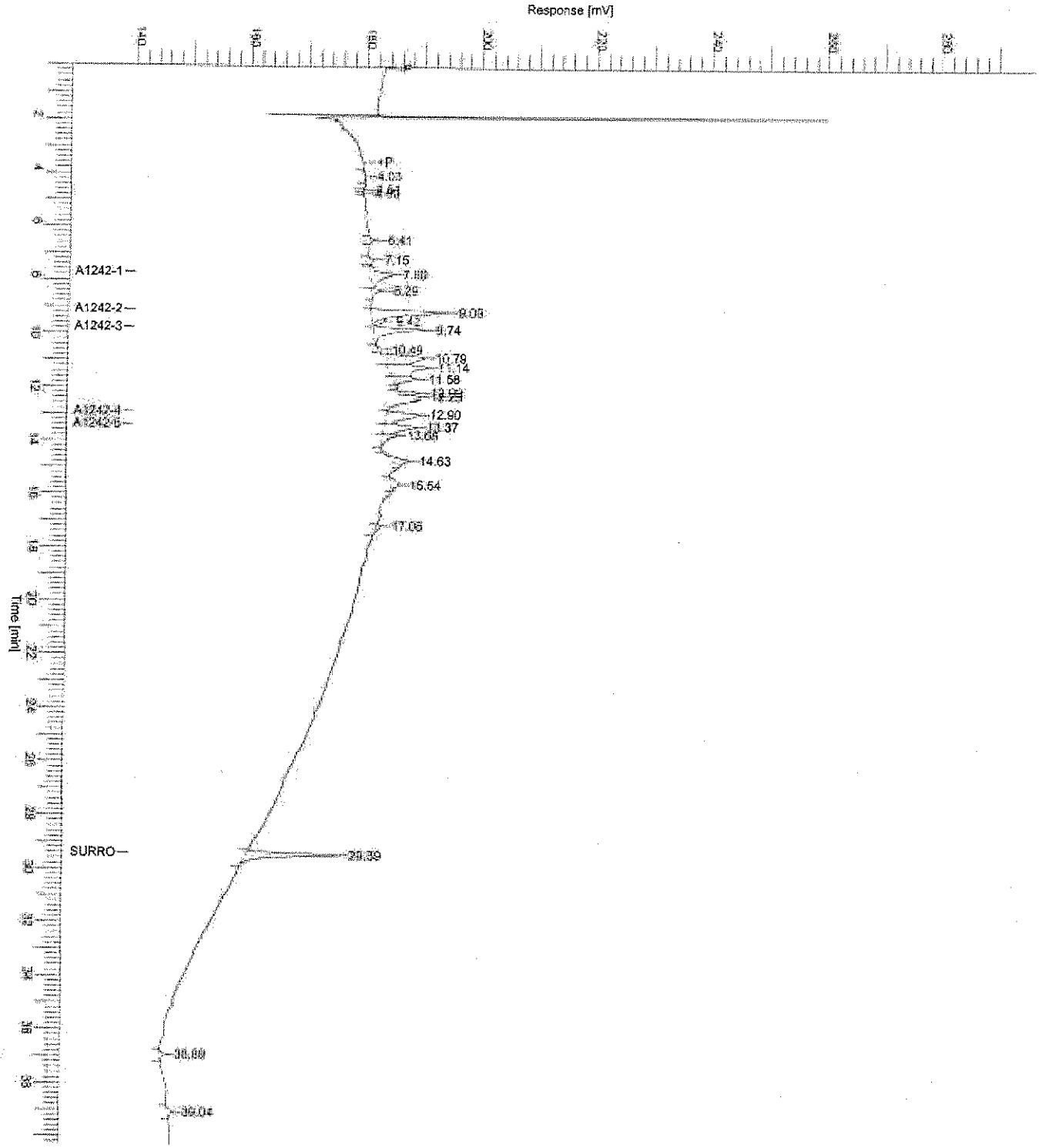
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.085	523461.77		40.5578	40.5578
23	Surrogate	29.385	162876.25	BB	28.0610	28.0610
			686338.02		68.6187	68.6187

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	A1242-1	7.692	80083.75	VV	9.1041	9.1041
8	A1242-2	9.085	167436.28	BE	8.8041	8.8041
10	A1242-3	9.742	101129.71	VB	8.2330	8.2330
17	A1242-4	12.901	95265.17	BV	6.8681	6.8681
18	A1242-5	13.366	79546.86	VV	7.2920	7.2920
			523461.77		40.3013	40.3013

Chromatogram

Sample Name : 1242-40 Sample #: 014
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_026.raw
Date : 9/30/2005 3:57:33 AM
Method : 1242.mth Time of Injection: 9/30/2005 3:17:20 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 10/1/2005 12:02:42 AM
Reprocess Number	: optiplexgx270: 7504		
Operator	: Manager	Sample Name	: 1242-40
Sample Number	: 002	Study	: ccv-1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/11
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/30/2005 11:22:24 PM	Cycle	: 12

#35

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_011.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_011.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_011.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_011.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_011.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\930.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

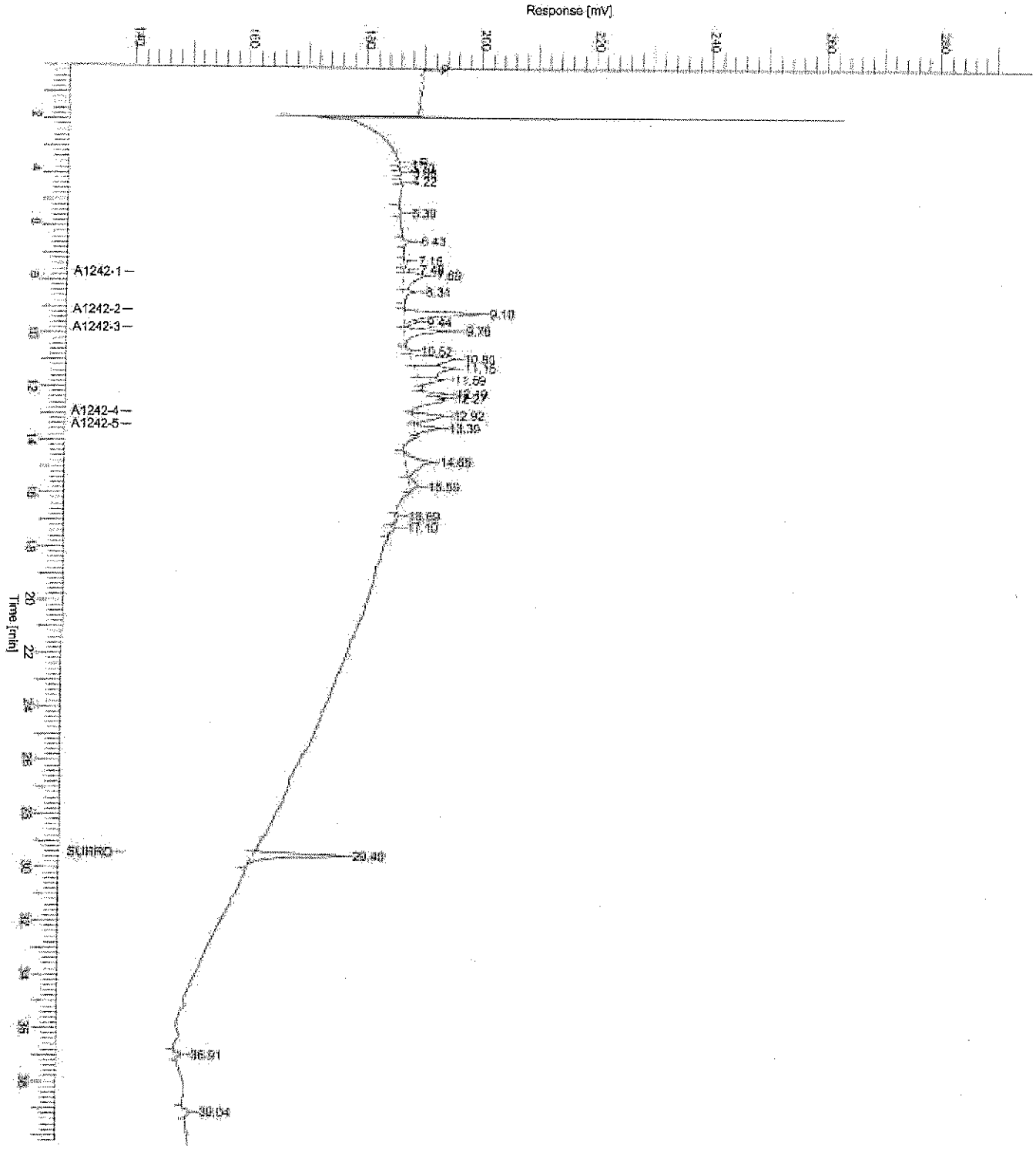
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.099	454812.99		37.1907	37.1907
25	Surrogate	29.401	156270.51	BB	33.1112	33.1112
			611083.50		70.3019	70.3019

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.692	73385.92	VV	8.6969	8.6969
10	A1242-2	9.099	161636.93	BE	8.5226	8.5226
12	A1242-3	9.757	97462.32	VB	8.3631	8.3631
19	A1242-4	12.916	78424.03	BV	6.2862	6.2862
20	A1242-5	13.391	43903.79	VB	4.8058	4.8058
			454812.99		36.6747	36.6747

Chromatogram

Sample Name : 1242-40 Sample #: 002
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\930_011.raw
Date : 10/1/2005 12:02:42 AM
Method : 1242.mth Time of Injection: 9/30/2005 11:22:24 PM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 10/1/2005 12:47:49 AM
Reprocess Number	: optiplexgx270: 7505		
Operator	: Manager	Sample Name	: LCS #9104
Sample Number	: 003	Study	: LCS-Soil #9104
AutoSampler	: BUILT-IN	Rack/Vial	: 0/12
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/1/2005 12:07:32 AM	Cycle	: 13

#36

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_012.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_012.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_012.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_012.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_012.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\930.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	13.376	502675.50		41.0699	23.8279
33	Surrogate	29.388	449424.90	BB	133.8693	77.6684
			952100.40		174.9391	101.4964

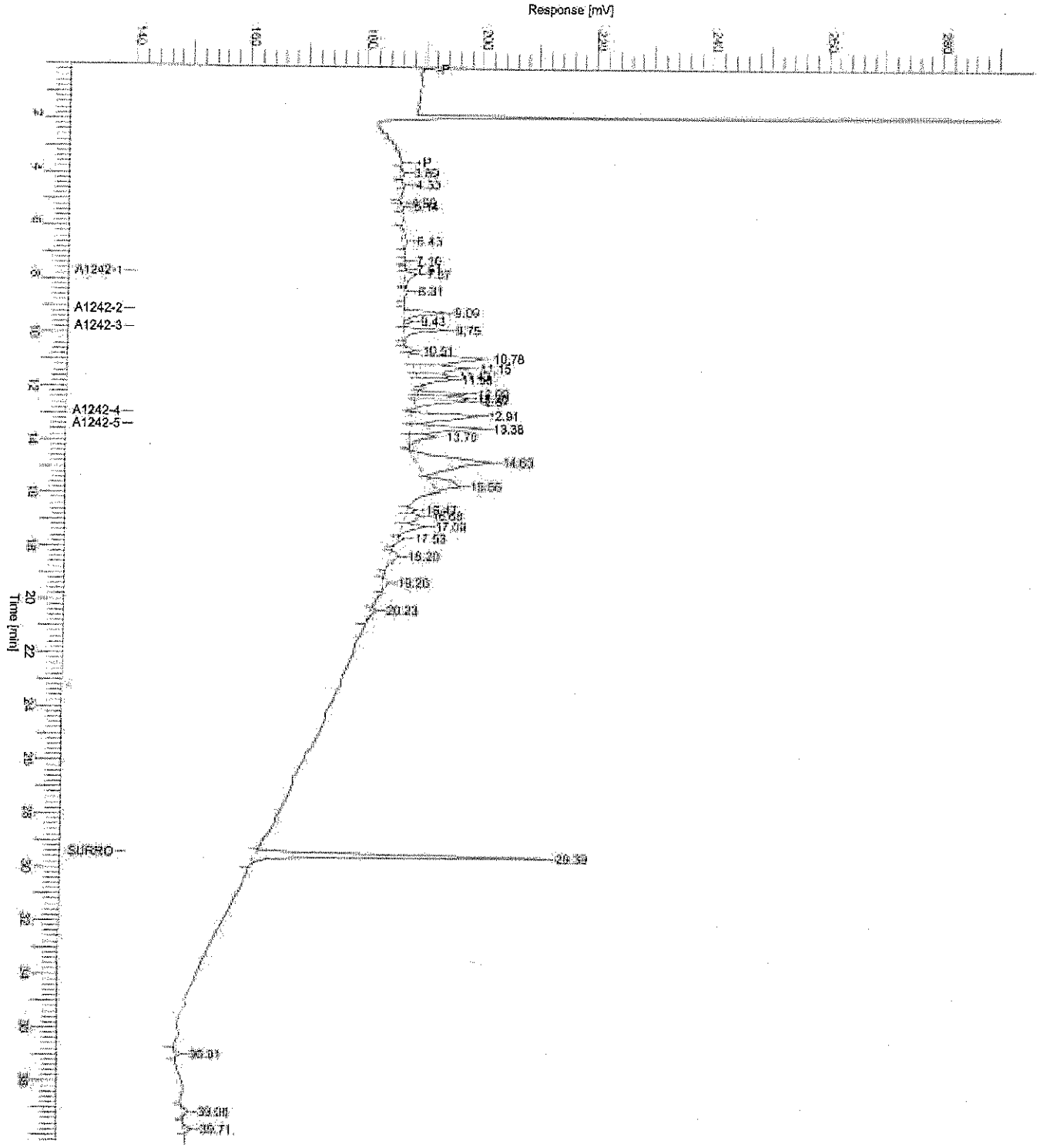
Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
8	A1242-1	7.675	31938.02	VV	3.8648	2.2423
10	A1242-2	9.092	80424.02	BE	4.1814	2.4260
12	A1242-3	9.751	64065.68	VB	5.4540	3.1643
21	A1242-4	12.908	171349.45	BV	13.6637	7.9274
22	A1242-5	13.376	154898.33	VV	15.5496	9.0216
			502675.50		42.7136	24.7816

(12.1 - 30)

Chromatogram

Sample Name : LCS #9104 Sample #: 003
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\930_012.raw
Date : 10/1/2005 12:47:49 AM
Method : 1242.mth Time of Injection: 10/1/2005 12:07:32 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 10/1/2005 5:18:48 AM
Reprocess Number	: optiplexgx270: 7511		
Operator	: Manager	Sample Name	: Wipe #BK2 Re-Run
Sample Number	: 006	Study	: Wipe #BK2 (5,000@ 2hr 9/30) Re-Run
AutoSampler	: BUILT-IN	Rack/Vial	: 0/18
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/1/2005 4:38:38 AM	Cycle	: 19

#37

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_018.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_018.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_018.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_018.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_018.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\930.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

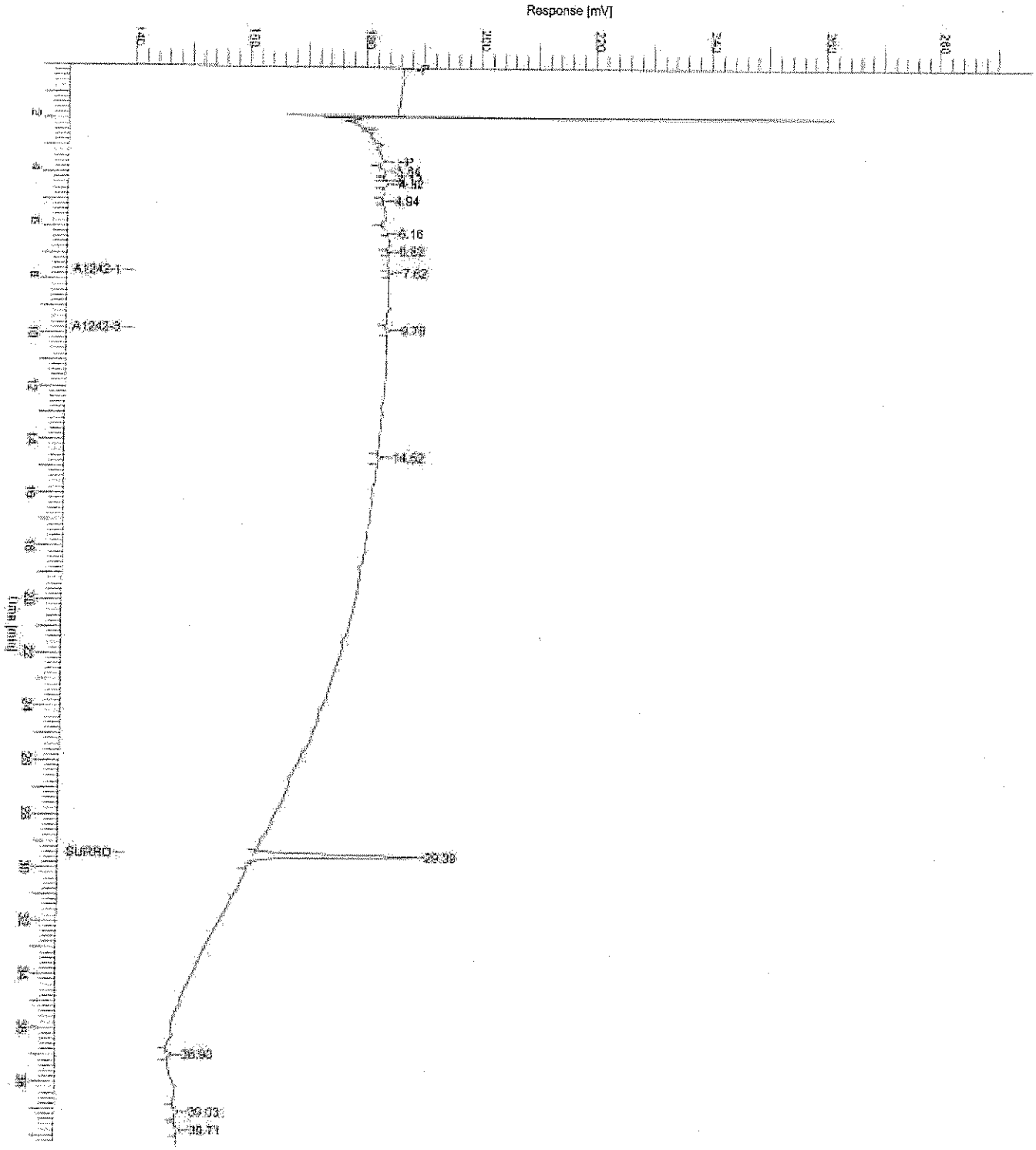
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.759	11915.72		1.2948	0.3237
10	Surrogate	29.389	249104.84	BB	65.0187	16.2547
			261020.55		66.3135	16.5784

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
7	A1242-1	7.620	4174.23	BB	0.6280	0.1570
-	A1242-2	9.097	0.00		0.0000	0.0000
8	A1242-3	9.759	7741.49	BB	0.5478	0.1369
-	A1242-4	12.906	0.00		0.0000	0.0000
-	A1242-5	13.381	0.00		0.0000	0.0000
			11915.72		1.1758	0.2939

Chromatogram

Sample Name : Wipe #BK2 Re-Run Sample #: 006 Page 1 of 1
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\930_018.raw
Date : 10/1/2005 5:18:49 AM
Method : 1242.mth Time of Injection: 10/1/2005 4:38:38 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 10/1/2005 7:34:28 AM
Reprocess Number	: optiplexgx270: 7514		
Operator	: Manager	Sample Name	: Wipe #BK6
Sample Number	: 009	Study	: Wipe-#BK6 (5,000@ 4hr 9/30)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/21
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/1/2005 6:54:20 AM	Cycle	: 22

#40

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_021.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_021.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_021.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_021.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_021.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\930.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

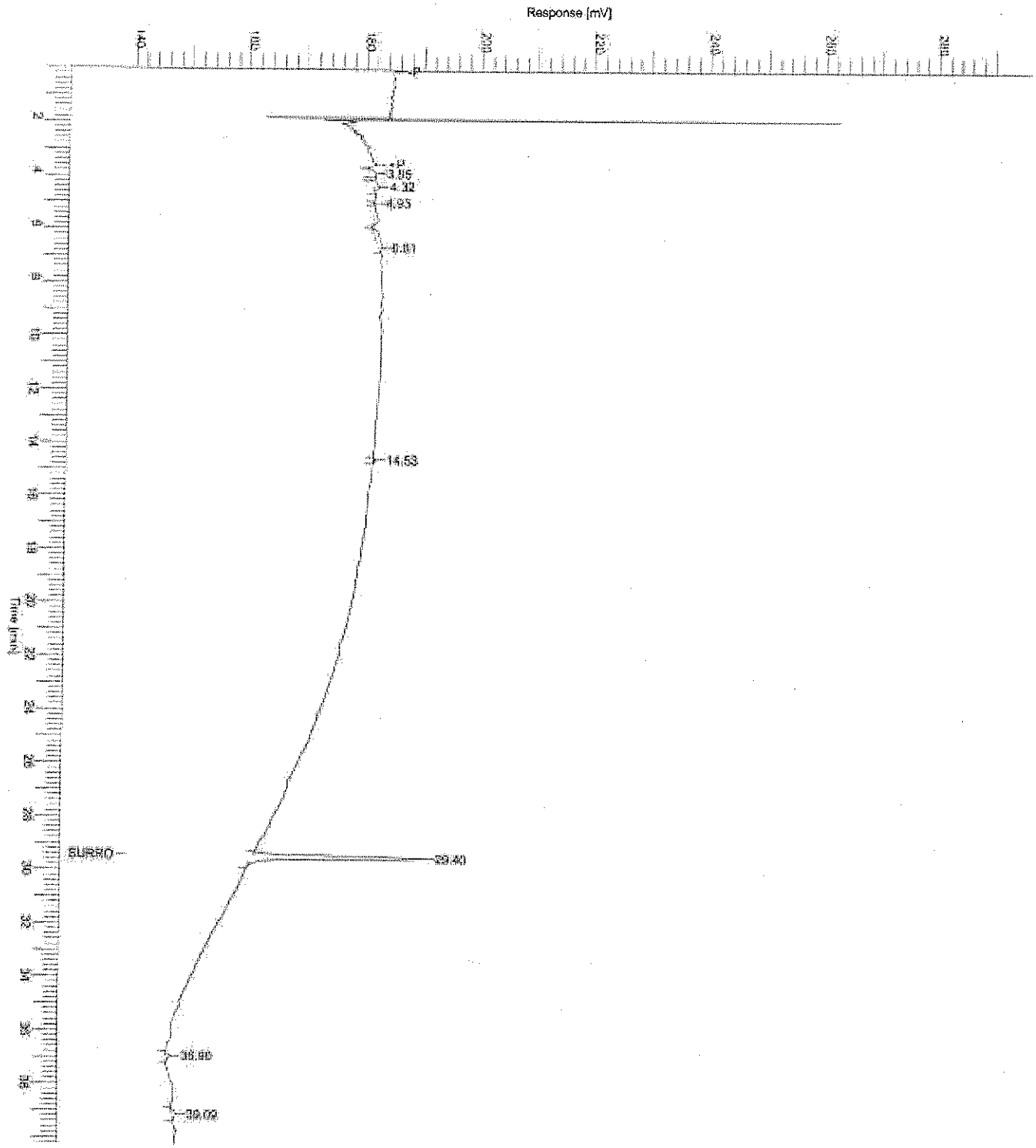
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	Surrogate	29.401	265686.84	BB	70.7180	17.6795
			265686.84		70.7180	17.6795

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
-	A1242-1	7.696	0.00		0.0000	0.0000
-	A1242-2	9.097	0.00		0.0000	0.0000
-	A1242-3	9.756	0.00		0.0000	0.0000
-	A1242-4	12.906	0.00		0.0000	0.0000
-	A1242-5	13.381	0.00		0.0000	0.0000
			0.00		0.0000	0.0000

Chromatogram

Sample Name : Wipe #BK6 Sample #: 009
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\930_021.raw
Date : 10/1/2005 7:34:29 AM
Method : 1242.mth Time of Injection: 10/1/2005 6:54:20 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 10/1/2005 9:50:21 AM
Reprocess Number	: optiplexgx270: 7517		
Operator	: Manager	Sample Name	: 1242-40
Sample Number	: 012	Study	: ccv-1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/24
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/1/2005 9:10:16 AM	Cycle	: 25

#42

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_024.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_024.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_024.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_024.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_024.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\930.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

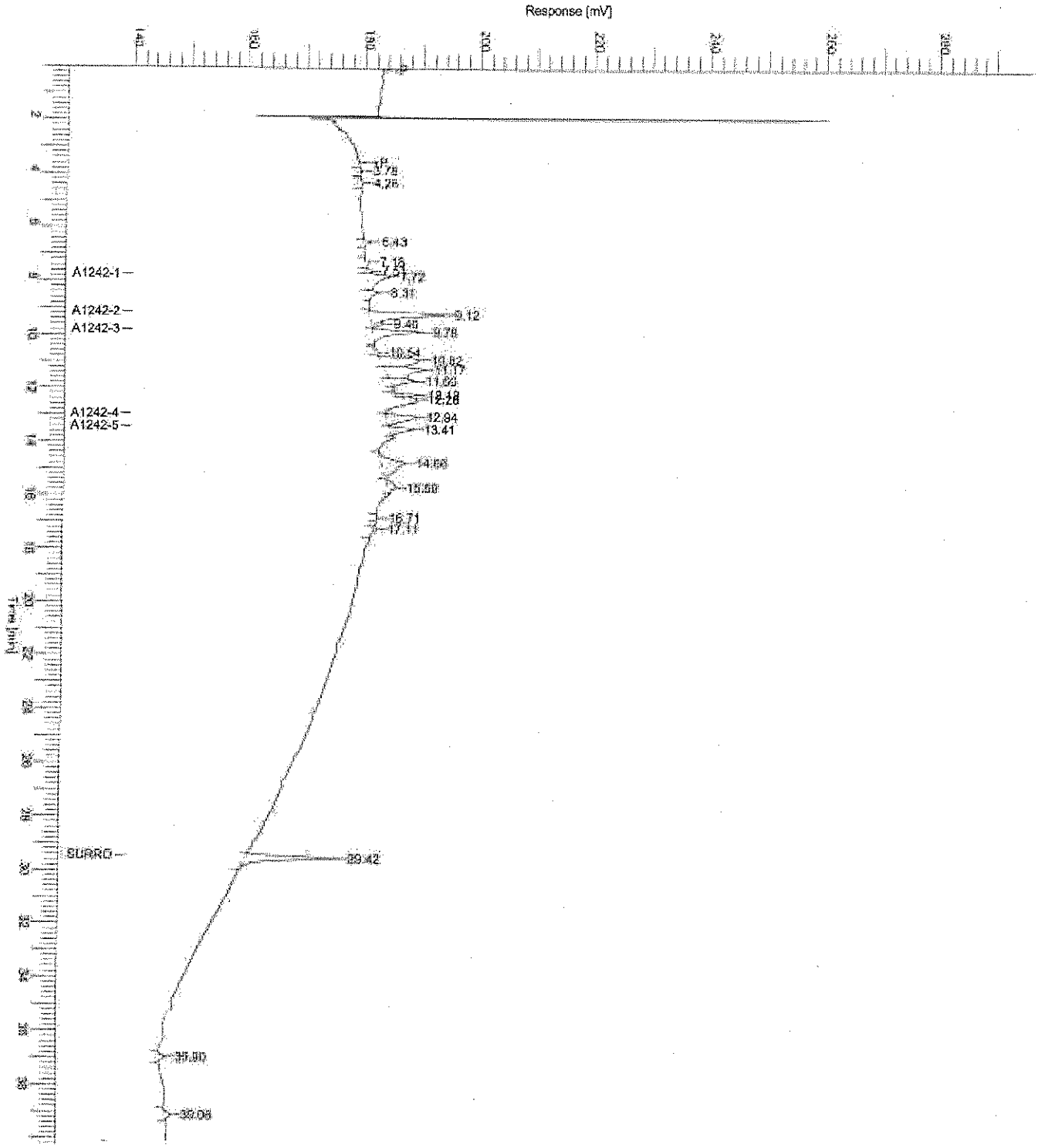
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.118	441928.37		36.1464	36.1464
23	Surrogate	29.417	163296.54	BB	35.5261	35.5261
			605224.91		71.6725	71.6725

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	A1242-1	7.717	71841.07	VV	8.5167	8.5167
8	A1242-2	9.118	161755.53	BE	8.5290	8.5290
10	A1242-3	9.775	89903.22	VB	7.7047	7.7047
17	A1242-4	12.936	75836.25	BV	6.0808	6.0808
18	A1242-5	13.405	42592.31	VB	4.6789	4.6789
			441928.37		35.5100	35.5100

Chromatogram

Sample Name : 1242-40 Sample #: 012
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\930_024.raw
Date : 10/1/2005 9:50:21 AM
Method : 1242.mth Time of Injection: 10/1/2005 9:10:16 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 10/3/2005 1:26:33 PM
Reprocess Number	: optiplexgx270: 7527		
Operator	: Manager	Sample Name	: Wipe #BK8
Sample Number	: 014	Study	: Wipe #BK8 (5,000@ 6hr 9/30)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/26
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/3/2005 11:27:32 AM	Cycle	: 1

#43

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_026.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\930_026.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\930_026.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242.mth from C:\Clarus 500 GC\2005\SEPT\Sept24\930_026.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242.mth from C:\Clarus 500 GC\2005\SEPT\Sept24\930_026.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\930.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

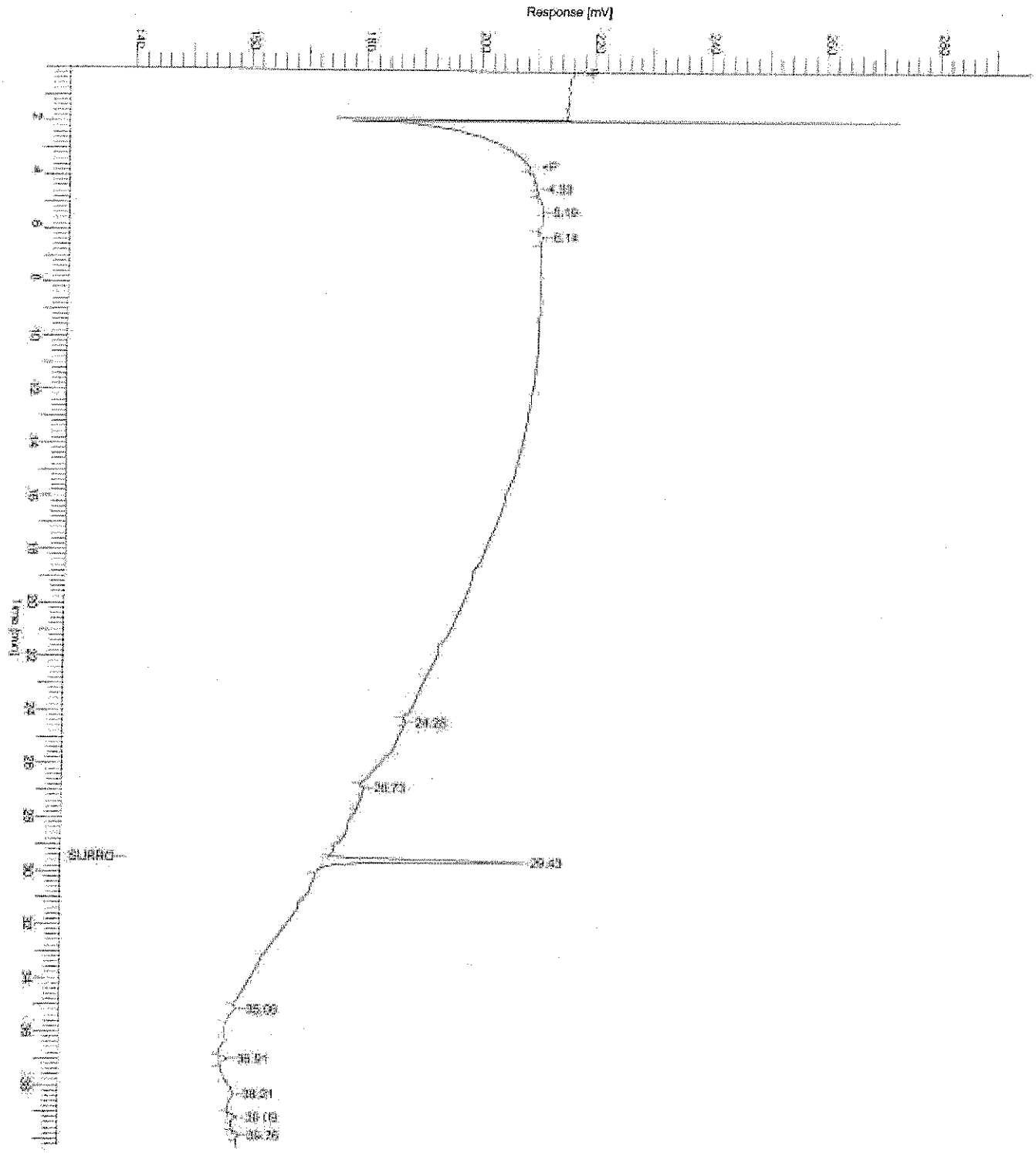
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	Surrogate	29.427	300734.02	BB	82.7638	20.6909
			300734.02		82.7638	20.6909

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
-	A1242-1	7.696	0.00		0.0000	0.0000
-	A1242-2	9.097	0.00		0.0000	0.0000
-	A1242-3	9.756	0.00		0.0000	0.0000
-	A1242-4	12.906	0.00		0.0000	0.0000
-	A1242-5	13.381	0.00		0.0000	0.0000
			0.00		0.0000	0.0000

Chromatogram

Sample Name : Wipe #BK8 Sample #: 014
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\930_026.raw
Date : 10/3/2005 1:26:33 PM
Method : 1242 Time of Injection: 10/3/2005 11:27:32 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104 0104	Date	: 9/29/2005 9:09:37 AM
Reprocess Number	: optiplexgx270: 7467		
Operator	: Manager	Sample Name	: 1242-40-Redo
Sample Number	: 001	Study	: ICV-Redo 1242-40
AutoSampler	: BUILT-IN	Rack/Vial	: 0/2
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 33.70 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 8:35:46 AM	Cycle	: 2

#44

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_002.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_002.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_002.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_002.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_002.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

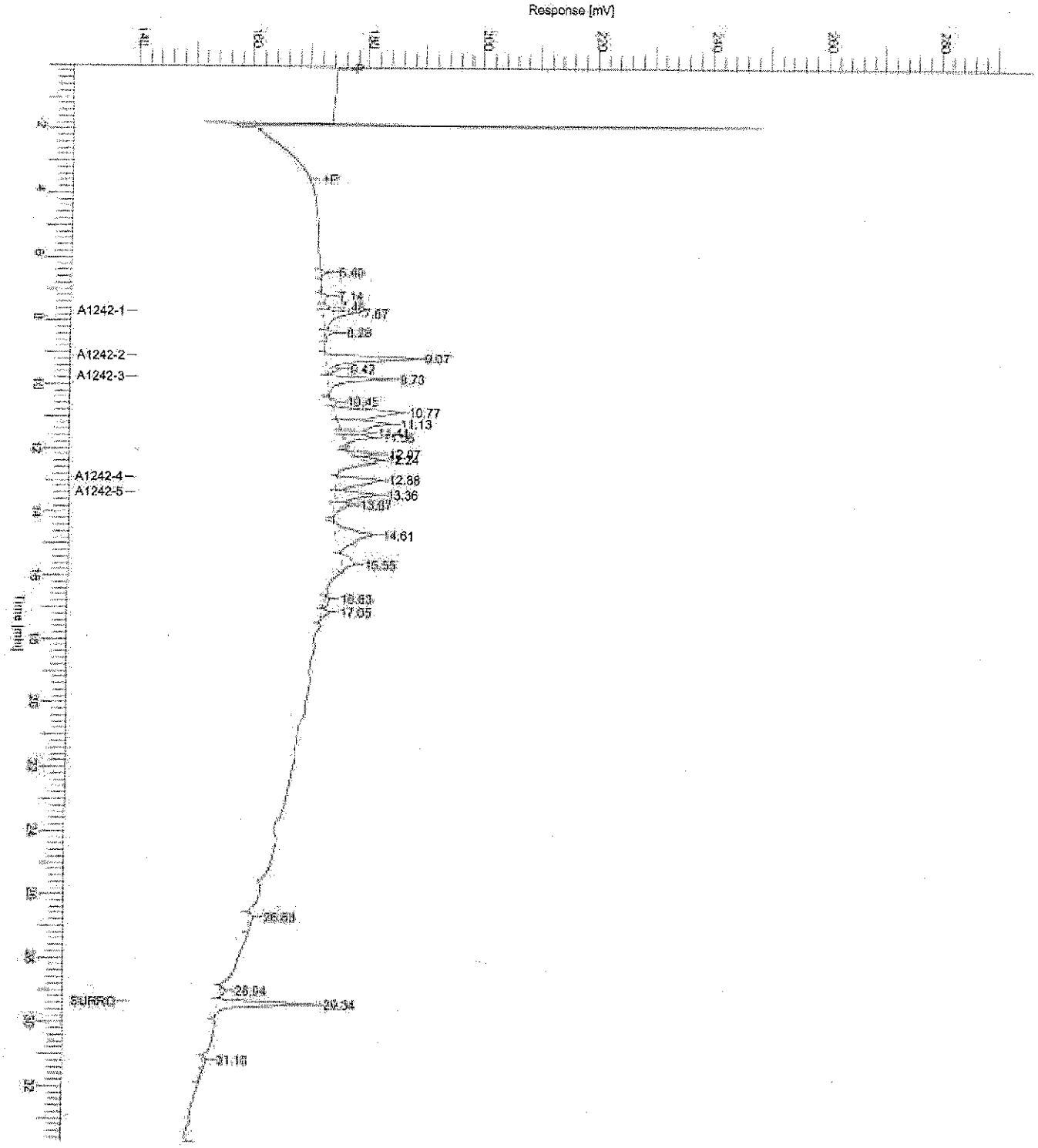
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.073	562855.53		46.4798	46.4798
25	Surrogate	29.340	156781.38	VB	33.0699	33.0699
			719636.91		79.5496	79.5496

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
4	A1242-1	7.671	77030.20	VV	9.2444	9.2444
6	A1242-2	9.073	176541.16	BE	9.5766	9.5766
8	A1242-3	9.733	107949.59	VB	9.3729	9.3729
16	A1242-4	12.879	110922.94	BV	8.8691	8.8691
17	A1242-5	13.358	90411.64	VV	9.3056	9.3056
			562855.53		46.3686	46.3686

Chromatogram

Sample Name : 1242-40-Redo Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_002.raw
Date : 9/29/2005 9:09:37 AM
Method : 1242.mth Time of Injection: 9/29/2005 8:35:46 AM
Start Time : 0.00 min End Time : 33.70 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 10:44:03 AM
Reprocess Number	: optiplexgx270: 7468		
Operator	: Manager	Sample Name	: Wipe-AK2
Sample Number	: 001	Study	: Wipe-AK2 (5,000@ 2hr 9/28)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/3
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 10:03:41 AM	Cycle	: 3

#45

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_003.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_003.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_003.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_003.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_003.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

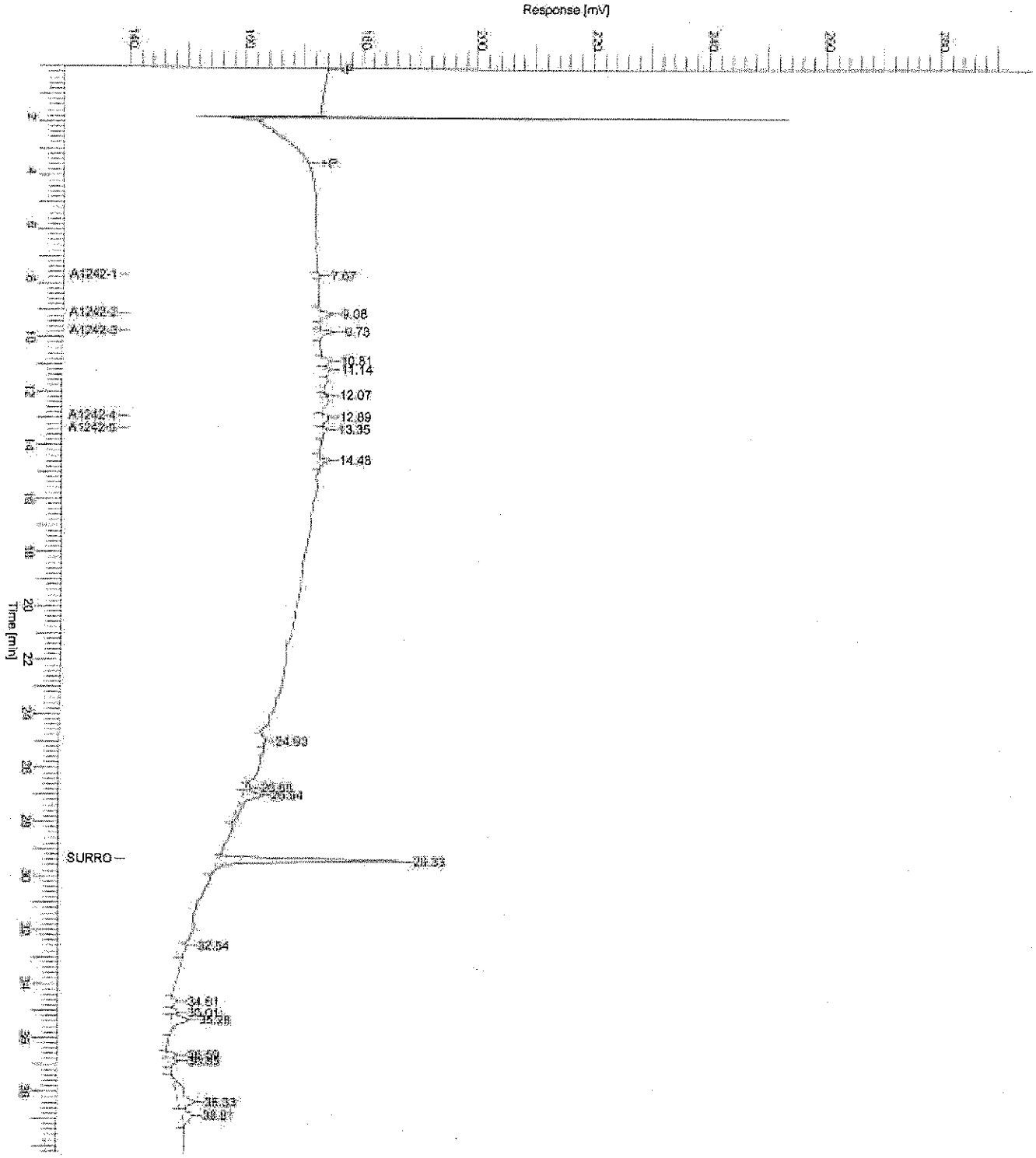
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.731	73877.34		6.7556	1.6889
13	Surrogate	29.334	290433.16	BB	77.1839	19.2960
			364310.51		83.9395	20.9849

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
1	A1242-1	7.672	3128.45	BB	0.4100	0.1025
2	A1242-2	9.076	23270.34	BB	1.0990	0.2747
3	A1242-3	9.731	20261.30	BB	1.6712	0.4178
7	A1242-4	12.887	17415.62	BV	1.7672	0.4418
8	A1242-5	13.351	9801.64	VB	1.6647	0.4162
			73877.34		6.6122	1.6530

Chromatogram

Sample Name : Wipe-AK2 Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_003.raw
Date : 9/29/2005 10:44:03 AM
Method : 1242.mth Time of Injection: 9/29/2005 10:03:41 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Software Version	: 6.2.1.0.104:0104	Date	: 9/29/2005 11:29:20 AM
Reprocess Number	: optiplexgx270: 7469		
Operator	: Manager	Sample Name	: Wipe-AK4
Sample Number	: 001	Study	: Wipe-AK4 (5,000@ 4hr 9/28)
AutoSampler	: BUILT-IN	Rack/Vial	: 0/4
Instrument Name	: CLARUS 500	Channel	: A
Instrument Serial #	: None	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 40.25 min
Sampling Rate	: 6.2500 pts/s		
Sample Volume	: 1.000000 NG/UL	Area Reject	: 0.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 9/29/2005 10:46:59 AM	Cycle	: 4

#46

Raw Data File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_004.raw
Result File : C:\Clarus 500 GC\2005\SEPT\Sept24\929_004.rst
Inst Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_004.raw
Proc Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_004.rst
Calib Method : c:\clarus 500 gc\2005\sept\sept24\1242 from C:\Clarus 500 GC\2005\SEPT\Sept24\929_004.rst
Report Format File: c:\clarus 500 gc\2005\sept\sept24\pcb1.rpt
Sequence File : C:\Clarus 500 GC\2005\SEPT\Sept24\929.seq

PCBs (s=mg/Kg, H2O=ug/L, wipe=ug/100cm2)

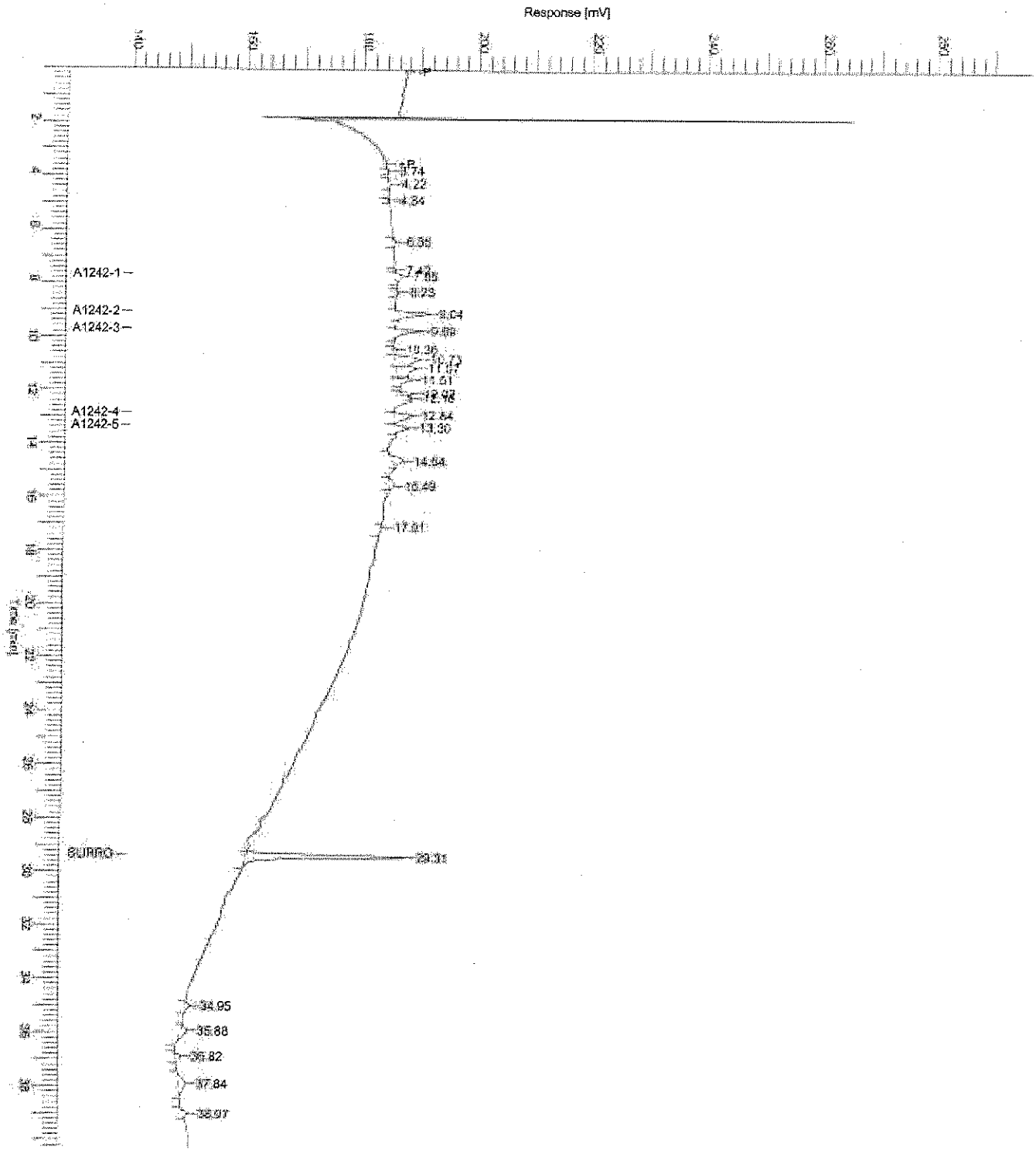
Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
	Aroclor 1242	9.039	188155.66		16.0395	4.0099
21	Surrogate	29.307	251656.27	BB	64.3849	16.0962
			439811.93		80.4244	20.1061

Group Report For : Aroclor 1242

Peak #	Component Name	Time [min]	Area [uV*sec]	BL	Raw Amount	Adjusted Amount
6	A1242-1	7.647	17892.98	VB	2.1750	0.5437
8	A1242-2	9.039	58310.71	BB	3.0371	0.7593
9	A1242-3	9.686	41667.02	BB	3.5513	0.8878
16	A1242-4	12.838	43983.74	BV	3.7851	0.9463
17	A1242-5	13.302	26301.21	VB	3.2287	0.8072
			188155.66		15.7771	3.9443

Chromatogram

Sample Name : Wipe-AK4 Sample #: 001
FileName : C:\Clarus 500 GC\2005\SEPT\Sept24\929_004.raw
Date : 9/29/2005 11:29:20 AM
Method : 1242.mth Time of Injection: 9/29/2005 10:48:59 AM
Start Time : 0.00 min End Time : 40.25 min Low Point : 140.00 mV High Point : 290.00 mV
Plot Offset: 140.00 mV Plot Scale: 150.0 mV



Attachment 3

Alternative PCB Decontamination Soaking Procedure for Non-Porous Natural Gas Piping and Appurtenance with a 10% Aqueous Terpene Hydrocarbon Solvent Solution

All piping and appurtenances either tested or assumed to be contaminated with PCB's up to a concentration of 5,000 ug / 100 cm^2 may be decontaminated utilizing the alternative soaking process with the following exceptions:

- Piping that contains free flowing liquids and/or solid debris must be tested prior to pipe soaking. All free flowing liquids and removable solid debris must be removed from the pipe prior to soaking.

- Pipe appurtenances that are used to collect liquid and solid debris such as drip pots, scrubbers, filters must be tested prior to soaking.

- The option for measurement based decontamination of piping and pipe appurtenances that test greater than 5,000 ug / 100 cm^2 may be utilized.

The following procedure and recordkeeping requirements are to be strictly adhered to when conducting PCB decontamination soaking of non-porous natural gas piping and appurtenance surfaces using a 10% aqueous terpene hydrocarbon solution such as Enviroclean Solution.

- Record the date/location of each soaking decontamination operation.

- Type of Soaking Solvent to be used – Minimum 10% terpene hydrocarbon in water such as Enviroclean Solution.

- PCB Concentration of Soaking Solvent Prior to Soaking – Must be less than two (2) ppm.

- Soaking Temperature – Must be greater than or equal to 39 F.

- Length of Soak Time – Must be two (2) hours minimum (Record start/finish time).

- Fully submerge all items to be decontaminated with the 10% terpene hydrocarbon solvent solution.

- Maximum PCB concentration of surfaces to be decontaminated utilizing this performance based method – less than or equal to 5,000 ug / 100 cm^2. The option of measurement based decontamination of piping and pipe appurtenances that test greater than 5,000 ug / 100 cm2 may be utilized.

- PCB Concentration of Soaking Solvent After Soaking – Must be less than fifty (50) ppm. If not, repeat soaking process again with less than two (2) ppm PCB clean solvent.

- Upon completion of soaking operation, skim off any floating oily substances and then drain free flowing liquids from the decontaminated surfaces.

- Handle and/or dispose of drained solvent accordingly. If PCB concentration of post-soaked solvent is less than two (2) ppm, save solvent for future reuse. Otherwise, dispose of solvent in accordance with regulatory requirements.

- As a minimum, document and record each soaking operation with the above required information.