SOUTHWEST RESEARCH INSTITUTE®

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Chemistry and Chemical Engineering Division
Department of Analytical and Environmental Chemistry

September 9, 2004

SWR0001
F03-018

Fluor Hanford, Inc.
825 Jadwin Ave.
Richland, WA 99352

RECEIVED
APR 22 2005
EDMC

Attn: Steve Trent

Subject: Chrom, Method 8082 and Metals Analysis

SwRI Project Number:	10780.01.00X
SwRI SDG Number:	248028(B19J40)
SwRI Task Order Number:	040802-7
SwRI Sample Receipt Number:	26202
Samples Received:	July 15, 2004

Dear Mr. Trent:

Enclosed please find the analytical data for the above referenced project. If you should have any questions, please do not hesitate to call me at (210) 522-2159.

Sincerely,

Thomas A. Farias
Research Scientist

APPROVED:

Reza Karimi, Ph.D.
Director

RECEIVED
SEP 13 2004

CC: Orlette Johnson, Lionville Laboratory Inc.

TAF:mar

SOUTHWEST RESEARCH INSTITUTE
CLIENT: LIONVILLE LABORATORY, INC.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028(B19J40)
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

NARRATIVE

Client: LIONVILLE LABORATORY, INC.
Project No: 10780.01.00X
SDG Number: 248028(B19J40)
SwRI Task Order(s): 040802-7
Page: 1

SwRI Case Narrative

1. Nine (9) biota samples were received for the following analysis:

SwRI ID	Customer ID	Required Analysis
248028	B19J40	Chrom 8082, Metals
248029	B19J41	Chrom 8082, Metals
248030	B19J42	Chrom 8082, Metals
248031	B19J43	Chrom 8082, Metals
248032	B19J44	Chrom 8082, Metals
248033	B19J45	Chrom 8082, Metals
248034	B19J46	Chrom 8082, Metals
248035	B19J47	Metals
248036	B19J48	Metals

2. The samples were received at SwRI on July 15, 2004.

3. QC Sample Identification:

B19J43 MS/MSD	Chrom
LCS	Chrom
B19J40 S/SD/D	Metals
B19J42 S/SD/D	Metals
B19J44 S/SD/D	Metals
LCS	

CHROM ANALYSIS, METHOD 8082:

The method used to analyze samples was Method 8082.

Note: There was one sequence used in the following data. The calibration dates used on the forms, generated by the internal form generation program, are the initial dates of the sequences containing samples that were begun. See injection logs or sample data for each specific injection's start date of analysis.

A) Initial Calibration

These analyses were performed using ECD/ECD detectors equipped with both J&W DB-608 x (0.53 mm) ID and J&W DB-1701P x (0.53 mm) ID columns respectively. A six-point calibration curve was generated for Aroclors 1016/1260 and single points were used for the other Aroclors. The average %RSD for all compounds was within the 20% criteria. These in turn were used to generate mean calibration factors, which were used for quantitation against the samples. The highest concentration found is reported.

B) QC Data

The method blank did not contain any of the analytes of interest above the detection limit. For surrogate recoveries TCX/DCB was used and recovery limits of 50-150%. All recoveries were within these limits. The LCS recoveries were set at 70-130%. All recoveries were within these limits. The MS/MSD recoveries were set at 50-150% and 50%RPD. All recoveries were within these limits.

C) Continuing Calibration

CCV results were achieved at less than or equal to a 15% average difference.

D) Sample Data

For all analytes the highest concentration found between both columns was reported. The average of all peaks that met the criteria were used for quantitation. Only those peaks above the detection limit and having an area below the upper calibration point were used. Therefore, for example, if at least three peaks were found above the detection limit and the pattern was there for an Aroclor, it was reported.

METALS ANALYSIS:

Antimony was determined from a digestion using nitric, perchloric and sulfuric acids. The samples were digested using concentrated nitric acid for boron and tin. The samples were digested using nitric and perchloric acids for the remaining analytes. Mercury was analyzed by CVAA. Antimony and thallium were analyzed by ICP-MS, SW-846 Method 6020. The remaining metals were determined by ICP, SW-846 Method 6010B.

The results are reported on an "as received" or wet weight basis. The Target Required Quantitation Limits from Table 2-1. Analytical Performance Requirements for vertebrates were used as the CRDLs for reporting.

Since less than 35 mg was received for system id 248035, only one nitric/perchloric acid digestion was performed. Antimony, boron, mercury and tin are not reported for this sample because sufficient sample was not available to perform the additional digestions for these four analytes.

Description of qualifiers: "U" indicates that an analyte was not detected above the laboratory's reporting limit. "B" indicates that an analyte was detected above the lab's reporting limit but less than the target required quantitation limit. "N" indicates that the matrix spike (MS) and/or matrix spike duplicate (MSD) recovery was not within 75-125%.

No analytes were detected in the preparation blanks above the laboratory's reporting limits. The percent recoveries obtained for the biota laboratory control samples (Oyster Tissue SRM1566b) are within 80-120% of the certified concentration values provided by the supplier, National Institute of Standards and Technology. For analytes not certified in the biota LCS, aqueous LCSs were used. The percent recoveries obtained for the aqueous laboratory control samples were within 80-120%. System ids 248028 (for mercury), 248032 (for antimony) and 248030 (all others) were QC'd. Three different samples were QC'd due to limited sample mass available. The results are "N" flagged for tin due to low MS and MSD recoveries. CLP-SOW QC criteria were met for the duplicate and serial dilution analyses.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Director or his designee, as verified by the following signature. This report shall not be reproduced except in full without the written approval of SwRI."

Jo Ann Boyd, Manager
Division 01, Quality Assurance

9/9/04
Date

SOUTHWEST RESEARCH INSTITUTE
CLIENT: LIONVILLE LABORATORY, INC.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028(B19J40)
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

CHAIN OF CUSTODY

12034

Duratek Federal Services

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C # F04025-03

Page 1 of 1

Collector KIRBY, BART	**Contact/Requestor** MITCHELL, RONALD	**Tel. No.** 376-5122 **MSIN** H1-11 **FAX**
SAF Number F04-025	**Sample Origin** WMP 200 AREA	**Purchase Order/Charge Code** 119138/CA10
Project Title 200/600 Area Biota Spring Sampling/MILE	**Logbook #** DTS-SAWS-H81	**Ice Chest #** SML137 **Temp.**
Shipped To (Lab) SW Research Ins.	**Method of Shipment** AIR FREIGHT	**Bill of Lading/Air Bill No.** 792043464038
Protocol RCRA	**Data Turnaround** 45 DAYS	**Offsite Property No.** N/A

Sample No.	Lab. ID	*	Date	Time	No/Type Container	Sample Analysis	Perservative
B19J40		X	6/21/2004	N/A	(1) 250 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment
B19J41		X	6/21/2004		(1) 250 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment
B19J42		X	6/21/2004		(1) 250 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment
B19J43		X	6/21/2004		(1) 250 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment
B19J44		X	6/15/2004		(1) 250 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment
B19J45		X	6/21/2004		(1) 250 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment
B19J46		X	6/17/2004	✓	(1) 250 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment

Client: LIONVILLE LABORATORY, INC
SRR #26202
Case: F04-025
VTSR: 07/15/04 0830

Samples Intact 4.0°C/#027

POSSIBLE SAMPLE HAZARDS/REMARKS MSDS Yes ☐ No ☐
List all known wastes.

SPECIAL INSTRUCTIONS **Hold Time**
The laboratories are to report all results on an "as received" basis.Mice samples are to be preserved by freezing. SwRI will prepare biota samples for analysis by the Eberline-Richmond CA. laboratory for the radiological constituents Cs-137 (by GEA) and total beta-strontium (by GPC method). If possible, 5 grams of sample should be prepared and shipped to Eberline.

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
BART KIRBY	6-29-04 1030	JG HOGAN	6-29-04 1030
JG HOGAN	7-14-04 1200	FEDEX	
			7/15/04 0830

Matrix *

S	= Soil	DS	= Drum Solids
SE	= Sediment	DL	= Drum Liquids
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method e.g. Return to customer, per lab procedure, used in process. Disposed By Date/Time

000005

DFNW-SS-010

12034

Duratek Federal Services

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C # F04025-04

Page 1 of 1

Collector HOGAN, J.G.	Contact/Requestor MITCHELL, RONALD	Tel. No. 376-5122 MSIN H1-11 FAX
SAF Number F04-025	Sample Origin WMP 200 AREA	Purchase Order/Charge Code 119138/CA10
Project Title 200/600 Area Biota Spring Sampling	Logbook # DTS-SAWS-H81	Ice Chest # SML 137 Temp.
Shipped To (Lab) SW Research Ins.	Method of Shipment AIR FREIGHT	Bill of Lading/Air Bill No. 7920434644038
Protocol RCRA	Data Turnaround 45 DAYS	Offsite Property No. N/A

Sample No.	Lab. ID	*	Date	Time	No/Type Container	Sample Analysis	Perservative
B19J47		X	6/2/2004	0955	(1) 120 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment
B19J48		X	4/19/2004	0940	(1) 120 aG	ICP Metals - 6010A (TAL), ICP Metals - 6010A (Add-on), Mercury-7471- (CV), PCBs-8082, Gamma Spec, Sr-89/90, Total Uranium	See Comment

Client: LIONVILLE LABORATORY, INC
SRR #26202
Case: F04-025
VTSR: 07/15/04 0830

4.02/#027

Samples Intact

POSSIBLE SAMPLE HAZARDS/REMARKS MSDS Yes ☐ No ☐
List all known wastes.

SPECIAL INSTRUCTIONS Hold Time
The laboratories are to report all results on an "as received" basis. Lizard samples are to be preserved by freezing. SwRI will prepare biota samples for analysis by the Eberline-Richmond CA. laboratory for the radiological constituents Cs-137 (by GEA) and total beta-strontium (by GPC method). If possible, 5 grams of sample should be prepared and shipped to Eberline.

Relinquished By Print	Sign	Date/Time	Received By Print	Sign	Date/Time
JG HOGAN	J Hogan	7-14-04 1200	FED EX		
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time 7/15/04 0830

Matrix *

S	= Soil	DS	= Drum Solids
SE	= Sediment	DL	= Drum Liquids
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method e.g. Return to customer, per lab procedure, used in process. Disposed By Date/Time

000006

DFNW-SS-010

SAMPLE LOG-IN SHEET

000007

Lab Name
Southwest Research Institute

Received By (Print Name)
DINO ROMAN

Received By (Signature)

Page 1 of 1

Log-in Date
07/16/2004

Case Number
F04-025

Sample Delivery Group No.

SAS Number
N/A

Remarks: 10780.01.00X

			EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks Condition of Sample Shipment, etc
1.	Custody Seal(s)	Present/Absent* Intact/Broken	B19J40	None	248028	Intact
			B19J41	None	248029	Intact
2.	Custody Seal Nos.	N/A	B19J42	None	248030	Intact
3.	Chain-of Custody Records	Present/Absent*	B19J43	None	248031	Intact
4.	Traffic Reports or Packing Lists	Present/Absent	B19J44	None	248032	Intact
5.	Airbill	Airbill/Sticker Present/Absent*	B19J45	None	248033	Intact
			B19J46	None	248034	Intact
6.	Airbill No.	7920 4346 4038	B19J47	None	248035	Intact
7.	Sample Tags	Present/Absent	B19J48	None	248036	Intact
	Sample Tag Numbers	Listed/Not listed on Chain of Custody				
8.	Sample Condition	Intact/Broken*/Leaking				
9.	Cooler Temperature	4.0C				
10.	Does Information on custody records, traffic reports, and sample tags agree?	Yes/No*				
11.	Date Received at Lab	07/15/2004				
12.	Time Received	08:30:00				

Sample Transfer

Fraction	Org	Fraction	
Area #	F 36	Area #	
By	DINO ROMAN	By	
On	07/15/2004	On	

07/26/2004

* Contact SMO and attach record of resolution

Reviewed By CYNTHIA A. SALCEDA
Date 07/26/2004

Logbook No. Sample Receipt (26202)
Logbook Page No. 513 (SECTION 7 OF 10)
07/26/2004

FORM DC-1

OLMO4.2

SOUTHWEST RESEARCH INSTITUTE
CLIENT: LIONVILLE LABORATORY, INC.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028(B19J40)
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

EXTRACTION SHEETS

SwRI Labs

(E8082T)PCB MICE EXT BY SOXHLET 3540C(Lionville Lab. Inc.)

Client: Lionville Laboratory, Inc.
Project: 10780.01.00X
Case: F04-025

Sample Receipt: 26202
TO#: 040802-7

000009

DATE EXTRACTED	08/18/04
ANALYSTS INVOLVED	BENITO PEREZ (SU,EXT,SP,KD) MARINA LEBRON (SW) HAMED EDRISI (BD,AC,Hg,FV)
SURROGATE SOL ID	SURR2004:15:01
MATRIX SPK SOL ID	MS2004:27:01
EXTRACTS LOCATION	FRZ#17,RACK I,5A (HE 08/24/04)
CHEMICAL,BRAND,&LOT#	HEXANE OPTIMA LOT# 041352; ACETONE OPTIMA LOT# 041646; Na2SO4 ID# 04-0402-004 pg.1

ADDITIONAL NOTE	100-200uL WIRETROL II LOT# SEP20'2001; .5mL FISHER PIPET LOT# FF007212005100; BALANCE# 14; SOXHLETS STARTED AT 6:30pm AND TURNED OFF AT 12:30pm.
EXTRACTION FLOWCHART	Xg >> 3mL >> Acid/Hg Clean Up >> FV 2000uL HEX
REFERENCE BOOK/PAGE	04-0402-002/pg. 164

System ID	Type	Customer ID	SAMPLE WT(G)	1:1 HEX/ACET SOL VOL	SURROGATE SOL VOL
248028		B19J40	0.53	200 mL	500 uL
248029		B19J41	0.54	200 mL	500 uL
248030		B19J42	0.55	200 mL	500 uL
248031		B19J43	0.57	200 mL	500 uL
248032		B19J44	0.50	200 mL	500 uL
248033		B19J45	0.55	200 mL	500 uL
248034		B19J46	0.53	200 mL	500 uL
248031	MS	B19J43	0.53	200 mL	500 uL
248031	MSD	B19J43	0.58	200 mL	500 uL
249799		LAB BLANK	0.50	200 mL	500 uL
249800		LCS	0.50	200 mL	500 uL

System ID	Type	Customer ID	MTX SPK SOL VOL	FV HEX (UL)
248028		B19J40	0 uL	2000
248029		B19J41	0 uL	2000
248030		B19J42	0 uL	2000
248031		B19J43	0 uL	2000
248032		B19J44	0 uL	2000
248033		B19J45	0 uL	2000
248034		B19J46	0 uL	2000
248031	MS	B19J43	200 uL	2000
248031	MSD	B19J43	200 uL	2000
249799		LAB BLANK	0 uL	2000
249800		LCS	200 uL	2000

Page created Aug 18 2004 6:54PM by Benito.Perez
Book: EXTRACTION LAB, Volume: EXT-2004, Page: 472 (Section 1 of 1)
Approved by HAMED EDRISI on Aug 26 2004 10:57AM

Date Printed: 8/26/2004

SOUTHWEST RESEARCH INSTITUTE
CLIENT: LIONVILLE LABORATORY, INC.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028(B19J40)
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

INJECTION LOGS

000011

8/19/04

CLIENT: PE / NFT, Inc / Lionville Lab 8/25/04

Project: OHD01.114 / 06232.68.005/10780.01.005

Project Name GC12_Project_2004

INSTR: GC12_SYS

GC Conditions: 150D-1min-3D/min-200D-8D/Mn-270D

User Name jzhang

Column (1): DB-608 (0.53)mm ID X 30m

Column (2): DB1701P (0.53)mm ID X 30m

	CYCLES	System ID	Client ID	Date Acquired	Sample Set Name	System Name
1	1	AR1221 @ 0.40 ug/mL	STD2004:13:03	08/17/04 9:33:34 PM	M8082_17AUG04	GC12_SYS
2	2	AR1232 @ 0.40 ug/mL	STD2004:14:02	08/17/04 10:24:41 PM	M8082_17AUG04	GC12_SYS
3	3	AR1242 @ 0.40 ug/mL	STD2004:15:02	08/17/04 11:15:47 PM	M8082_17AUG04	GC12_SYS
4	4	AR1248 @ 0.40 ug/mL	STD2004:16:02	08/18/04 12:06:51 AM	M8082_17AUG04	GC12_SYS
5	5	AR1254 @ 0.40 ug/mL	STD2004:17:03	08/18/04 12:57:58 AM	M8082_17AUG04	GC12_SYS
6	6	AR1268 @ 0.40 ug/mL	STD2004:20:02	08/18/04 1:49:06 AM	M8082_17AUG04	GC12_SYS
7	7	AR1660 @ 0.05 ug/mL	STD2004:18:06	08/18/04 2:40:14 AM	M8082_17AUG04	GC12_SYS
8	8	AR1660 @ 0.10 ug/mL	STD2004:18:05	08/18/04 3:31:15 AM	M8082_17AUG04	GC12_SYS
9	9	AR1660 @ 0.20 ug/mL	STD2004:18:04	08/18/04 4:22:23 AM	M8082_17AUG04	GC12_SYS
10	10	AR1660 @ 0.40 ug/mL	STD2004:18:03	08/18/04 5:13:26 AM	M8082_17AUG04	GC12_SYS
11	11	AR1660 @ 0.80ug/mL	STD2004:18:02	08/18/04 6:04:35 AM	M8082_17AUG04	GC12_SYS
12	12	AR1660 @ 1.60 ug/mL	STD2004:18:01	08/18/04 6:55:39 AM	M8082_17AUG04	GC12_SYS
13	13	PIBLK_01	SURR2004:18:01	08/18/04 7:46:45 AM	M8082_17AUG04	GC12_SYS
14	14	ICV @ 0.40 ug/mL	STD2004:18:08	08/18/04 8:37:50 AM	M8082_17AUG04	GC12_SYS

ANALYST: 8/19/04

Reviewed by: 8/19/04

ge No.

8/27/04

000012

CLIENT: Lionville Laboratory, Inc.

Project: 10780.01.005

GC Conditions: 150D-1min-3D/min-200D-8D/Mn-270D

Column (1): DB-608 (0.53)mm ID X 30m

Project Name GC12_Project_2004

INSTR: GC12_SYS

User Name ppiccini

Column (2): DB1701P (0.53)mm ID X 30m .

	CYCLES	System ID	Client ID	Date Acquired	Sample Set Name	System Name
1	64	CCV_10	STD2004:18:04	08/24/04 3:34:51 PM	M8082_17AUG04	GC12_SYS
2	65	249799	LAB BLANK_p472	08/24/04 4:26:00 PM	M8082_17AUG04	GC12_SYS
3	66	AR1262 @0.4ug/mL	STD2004:19:02	08/24/04 5:17:10 PM	M8082_17AUG04	GC12_SYS
4	67	249799	LAB BLANK_p472	08/24/04 6:08:18 PM	M8082_17AUG04	GC12_SYS
5	68	249800	LCS_p472	08/24/04 6:59:24 PM	M8082_17AUG04	GC12_SYS
6	69	248031	B19J43	08/24/04 7:50:33 PM	M8082_17AUG04	GC12_SYS
7	70	PIBLK_26	SURR2004:18:01	08/24/04 8:41:38 PM	M8082_17AUG04	GC12_SYS
8	71	PIBLK_27	SURR2004:18:01	08/24/04 9:32:48 PM	M8082_17AUG04	GC12_SYS
9	72	248031MS	B19J43MS	08/24/04 10:23:53 PM	M8082_17AUG04	GC12_SYS
10	73	PIBLK_28	SURR2004:18:01	08/24/04 11:14:59 PM	M8082_17AUG04	GC12_SYS
11	74	PIBLK_29	SURR2004:18:01	08/25/04 12:06:05 AM	M8082_17AUG04	GC12_SYS
12	75	248031MSD	B19J43MSD	08/25/04 12:57:12 AM	M8082_17AUG04	GC12_SYS
13	76	PIBLK_30	SURR2004:18:01	08/25/04 1:48:20 AM	M8082_17AUG04	GC12_SYS
14	77	PIBLK_31	SURR2004:18:01	08/25/04 2:39:27 AM	M8082_17AUG04	GC12_SYS
15	78	CCV_11	STD2004:18:04	08/25/04 3:30:29 AM	M8082_17AUG04	GC12_SYS
16	79	248028	B19J40	08/25/04 4:21:35 AM	M8082_17AUG04	GC12_SYS
17	80	PIBLK_32	SURR2004:16:01	08/25/04 5:12:40 AM	M8082_17AUG04	GC12_SYS
18	81	PIBLK_33	SURR2004:18:01	08/25/04 6:03:47 AM	M8082_17AUG04	GC12_SYS
19	82	248029	B19J41	08/25/04 6:54:52 AM	M8082_17AUG04	GC12_SYS
20	83	PIBLK_34	SURR2004:18:01	08/25/04 7:45:57 AM	M8082_17AUG04	GC12_SYS
21	84	248030	B19J42	08/25/04 8:37:01 AM	M8082_17AUG04	GC12_SYS
22	85	PIBLK_35	SURR2004:18:01	08/25/04 9:28:08 AM	M8082_17AUG04	GC12_SYS
23	86	248032	B19J44	08/25/04 10:19:12 AM	M8082_17AUG04	GC12_SYS
24	87	PIBLK_36	SURR2004:18:01	08/25/04 11:10:17 AM	M8082_17AUG04	GC12_SYS
25	88	248033	B19J45	08/25/04 12:01:21 PM	M8082_17AUG04	GC12_SYS
26	89	PIBLK_37	SURR2004:18:01	08/25/04 12:52:24 PM	M8082_17AUG04	GC12_SYS
27	90	CCV_12	STD2004:18:04	08/25/04 1:43:28 PM	M8082_17AUG04	GC12_SYS
28	91	248034	B19J46	08/25/04 2:34:33 PM	M8082_17AUG04	GC12_SYS
29	92	PIBLK_38	SURR2004:16:01	08/25/04 3:25:37 PM	M8082_17AUG04	GC12_SYS
30	93	CCV_13	STD2004:18:04	08/25/04 4:16:41 PM	M8082_17AUG04	GC12_SYS

ANALYST: 8/27/04

Reviewed by: 8/27/04

No.

SOUTHWEST RESEARCH INSTITUTE
CLIENT: LIONVILLE LABORATORY, INC.
TASK ORDER: 040802-7
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SAMPLE CALCULATION

ug_g	B	C	D	E	F	G	H	I	J	K	L
1											
2							**Sanple Calculation**				
3										000014	
4	Client: Lionville Laboratory, Inc.							Project: 10780.01.005			
5											
6	For an External Standard CALCULATION							Case: F04-025 SDG: 248028			
7											
8											
9											
10	For a Sample the Mean Cal Factor is used for Compound AR1260-1										
11											
12											
13											
14		To calculate the concentration:									
15											
16		Area of sample	(ug)	X	FEV (mL)	X	DF	= CONC	ug		
17		Mean Cal Factor	(mL)		Initial Wt (g)				g		
18											
19	EXAMPLE:		AR1260-1 on the DB-608 column			From Form 6E the Mean Cal Factor is				Mean Cal Factor =	161569
20							(CAL FACTOR divided by CONC)				
21		From Sample:	249800(LCS)							AREA =	73494
22											
23		73494	(ug)	x	2.00	x	1	1.820	ug		
24		161569	(mL)		0.5000				g		
25											
26				**1.820**	**mg**						
27					**kg**						
28											
29	Conc equals:		(Amount ug/mL) x { (Final Effective Vol mL) / [(Initial Wt g] } x DF (Dilution Factor)								
30	Note: See Form X ...AR1260-1 on column DB-608.										
31											

000015

ug_g:B2:	^Sanple Calculation
ug_g:B4:	+$HEADER:$L$7
ug_g:I4:	+$HEADER:$H$9
ug_g:B6:	'For an External Standard CALCULATION
ug_g:I6:	+$HEADER:$H$11
ug_g:B10:	'For a Sample the Mean Cal Factor is used for Compound AR1260-1
ug_g:C14:	'To calculate the concentration:
ug_g:C16:	^Area of sample
ug_g:D16:	^(ug)
ug_g:E16:	^x
ug_g:F16:	^FEV (mL)
ug_g:G16:	^x
ug_g:H16:	^DF
ug_g:I16:	^ = CONC
ug_g:J16:	^ ug
ug_g:C17:	^Mean Cal Factor
ug_g:D17:	^(mL)
ug_g:F17:	^Initial Wt (g)
ug_g:J17:	^g
ug_g:B19:	'EXAMPLE:
ug_g:D19:	'AR1260-1 on the DB-608 column
ug_g:G19:	'From Form 6E the Mean Cal Factor is
ug_g:K19:	"Mean Cal Factor =
ug_g:L19:	161569
ug_g:H20:	'(CAL FACTOR divided by CONC)
ug_g:C21:	'From Sample:
ug_g:D21:	249800(LCS)
ug_g:K21:	"AREA =
ug_g:L21:	73494
ug_g:C23:	+L21
ug_g:D23:	^(ug)
ug_g:E23:	+E16
ug_g:F23:	2
ug_g:G23:	+G16
ug_g:H23:	1
ug_g:I23:	(+C23*F23*H23)/(C24*F24)
ug_g:J23:	^ ug
ug_g:C24:	+L19
ug_g:D24:	^(mL)
ug_g:F24:	0.5
ug_g:J24:	^g
ug_g:E26:	+I23
ug_g:F26:	mg
ug_g:F27:	kg
ug_g:B29:	'Conc equals:
ug_g:D29:	'(Amount ug/mL) x { (Final Effective Vol mL) / [(Initial Wt g] } x DF (Dilution Factor)
ug_g:B30:	'Note: See Form X ...AR1260-1 on column DB-608.

Lionville to#040802-7

system id	instr	elem	A @instr (ug/L)	B FV (mL)	C Wt (g)	D DF	E result (ug/kg)	reported ug/kg	
248030	ICP	zinc	2476	25	0.42	1	147381	147000	** rounds to 147000
248032	ICP-MS	antimony	0.382	20	0.44	1	17.4	17.4	
248032	Hg	mercury	1.024	10	0.24	1	42.7	42.7	
248030	ICP	tin	17.8	20	0.23	1	1548	1550	** rounds to 1550

sample calculation:

E = A * B / C * D

9/9/04

000016

010001

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Lionville Laboratory, Inc.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028
CASE: F04-025
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

ANALYSIS BY METHOD 8082

ORIGINAL

010002

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Lionville Laboratory, Inc.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028
CASE: F04-025
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

QC SUMMARY

Method 8082 SURROGATE RECOVERY

010003

Lab Name: SwRI
Lab Code: SwRI
GC Col: JW DB-608 X (0.53mm)ID

Client: Lionville Laboratory
Case #: F04-025
GC Col: JW DB-1701P X (0.53mm)ID

Project: 10780.01.005
SDG: 248028
Instrument ID: gc12
Init Calibration Date: 8/17/2004

	LAB SAMPLE ID	CLIENT SAMPLE ID	Surrog.1 Column 1 %REC #	Surrog.1 Column 2 %REC #	Surrog.2 Column 1 %REC #	Surrog.2 Column 2 %REC #	TOT OUT
1	249799	LAB BLANK	95.0	81.6	103	92.6	0
2	249800	LCS	97.1	82.9	99.2	90.8	0
3	248031	B19J43	85.7	82.5	94.4	90.3	0
4	248031MS	B19J43MS	87.6	81.9	97.8	91.7	0
5	248031MSD	B19J43MSD	86.6	85.8	108	101	0
6	248028	B19J40	92.6	85.2	101	96.3	0
7	248029	B19J41	98.8	91.0	105	101	0
8	248030	B19J42	101	90.8	103	113	0
9	248032	B19J44	95.9	89.7	106	95.8	0
10	248033	B19J45	94.1	84.2	96.3	94.7	0
11	248034	B19J46	103	94.8	107	106	0

Surrog.1 = TCX, Surrog.2 = DCB

QC LIMITS : TCX (50-150) DCB (50-150)

I or I* = Interference

D or D* = diluted out

FORM II

04G1217T
version 10-03-03

Method 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY **010004**

Lab Name: SwRI Client: Lionville Laboratory

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Matrix Spike - Client Sample ID: LCS

Matrix Spike - SwRI Sample ID: 249800

Compound	Spike Added mg/kg	Sample Concentration mg/kg	MS Concentration mg/kg	MS % Rec #	QC Limits Rec.
AR1016	2.00	0	2.07	103	70 -- 130
AR1260	2.00	0	2.06	103	70 -- 130

* Values outside QC limits.

Spike Recovery : 0 out of 2 outside limits.

Method 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

010005

Lab Name: SwRI Client: Lionville Laboratory

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Matrix Spike - Client Sample ID: B19J43MS and B19J43MSD

Matrix Spike - SwRI Sample ID: 248031MS and 248031MSD

Compound	Spike Added mg/kg	Sample Concentration mg/kg	MS Concentration mg/kg	MS % Rec #	QC Limits Rec.
AR1016	1.89	0	1.91	101	50 -- 150
AR1260	1.89	0	2.00	106	50 -- 150

Compound	Spike Added mg/kg	MSD Concentration mg/kg	MSD % Rec #	% RPD #	QC Limits	
					RPD	Rec.
AR1016	1.72	1.82	106	5	50	50 -- 150
AR1260	1.72	2.04	119	11	50	50 -- 150

* Values outside QC limits.

RPD: 0 out of 2 outside limits.
Spike Recovery : 0 out of 4 outside limits.

Method 8082 METHOD BLANK SUMMARY

LAB BLANK

Lab Name:	SwRI:	Client:	Lionville Laboratory			
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028	010006
Lab Sample ID:	249799			Matrix:	Other	
Extraction:	SOXH			Date Extracted:	8/18/2004	
Date Analyzed (1):	8/24/2004			Date Analyzed (2):	8/24/2004	
Time Analyzed (1):	18:08:18			Time Analyzed (2):	18:08:18	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Client Sample ID	Lab Sample ID	Date Analyzed 1	Date Analyzed 2
1	LCS	249800	8/24/2004	8/24/2004
2	B19J43	248031	8/24/2004	8/24/2004
3	B19J43MS	248031MS	8/24/2004	8/24/2004
4	B19J43MSD	248031MSD	8/25/2004	8/25/2004
5	B19J40	248028	8/25/2004	8/25/2004
6	B19J41	248029	8/25/2004	8/25/2004
7	B19J42	248030	8/25/2004	8/25/2004
8	B19J44	248032	8/25/2004	8/25/2004
9	B19J45	248033	8/25/2004	8/25/2004
10	B19J46	248034	8/25/2004	8/25/2004

010007

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Lionville Laboratory, Inc.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028
CASE: F04-025
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

SAMPLE DATA

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J40

010008

Lab Name: SwRI	Client: Lionville Laboratory	Project: 10780.01.005
Lab Code: SwRI	Case #: F04-025	SDG: 248028
Matrix : Biota	Sample wt/vol : 0.00053 kg	Lab Sample ID : 248028
% Moisture : 0	Decanted (Y/N) : N	SwRI ID : 248028
Extraction (SEPF/Cont/Sonc) : SOXH		Date Analyzed: 8/25/2004
Concentrated Extract Volume : 2000 uL		Date Received: 7/15/2004
Injection Volume : 1.00 uL	pH: NA	Date Extracted: 8/18/04
GPC Cleanup (Y/N) : N	Dilution Factor : 1	

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	----------	Aroclor-1016	0.189	U
11104-28-2	----------	Aroclor-1221	0.189	U
11141-16-5	----------	Aroclor-1232	0.189	U
53469-21-9	----------	Aroclor-1242	0.189	U
12672-29-6	----------	Aroclor-1248	0.189	U
11097-69-1	----------	Aroclor-1254	0.189	U
11096-82-5	----------	Aroclor-1260	0.189	U
11100-14-4	----------	AR1268	0.189	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.

E - This flag identifies compounds whose concentration exceed the calibration range.

P - This flag identifies compounds whose RPD exceed 40%

D - Dilution

SOXH - Soxhlet

SEPF - Sep-Funnel

NQ - Not Quantitated. Concentration exceedes calibration.

010009

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082**

Project: 10780.01.005

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

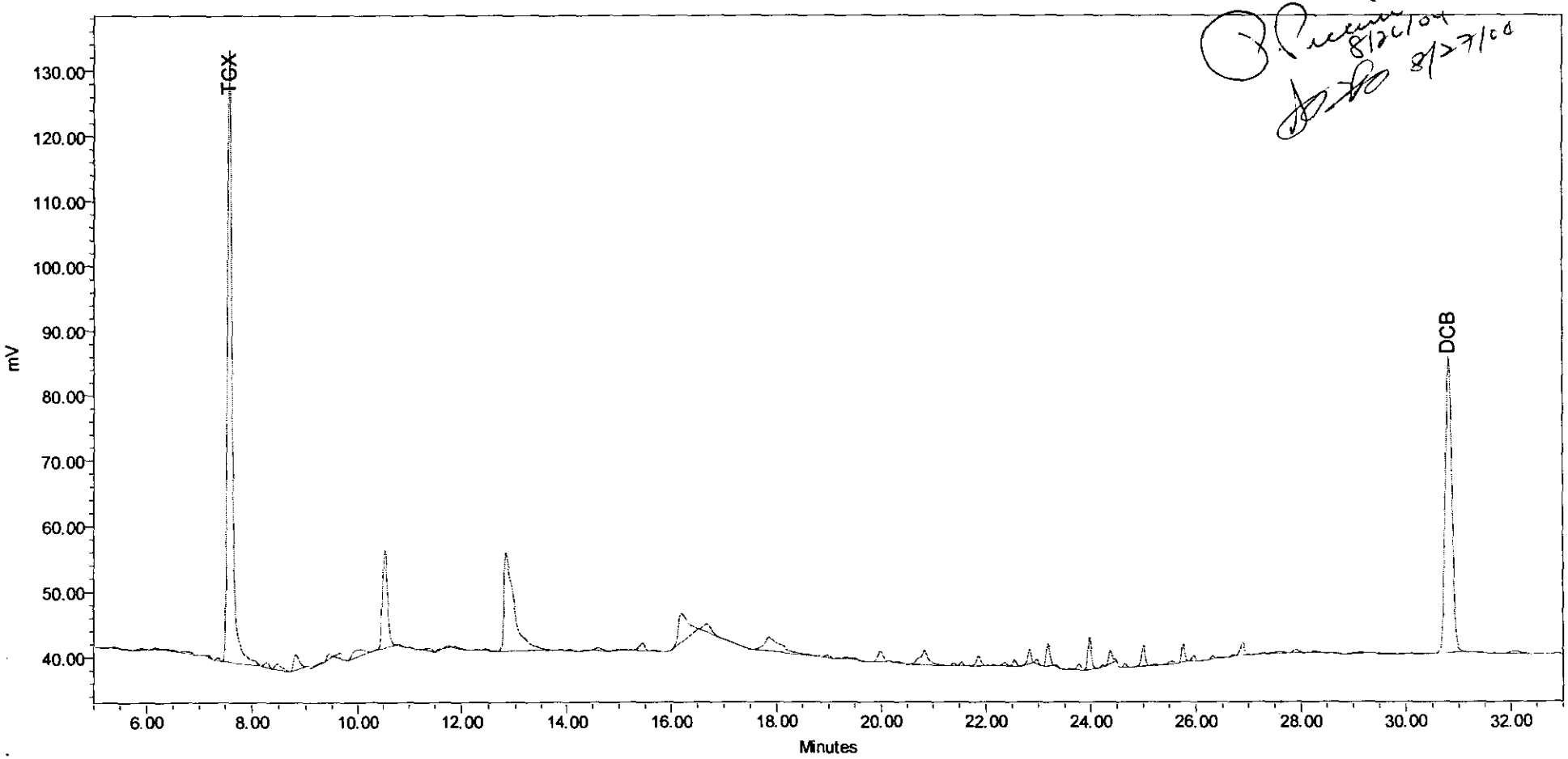
Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004



SampleName 248028 CYCLES 79 Channel SATIN Date Acquired 08/25/04 4:21:35 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082** **Project: 10780.01.005**

010010

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.048	228	62	BB
2		5.410	1028	137	BB
3		5.652	328	73	BB
4		5.882	2143	260	BB
5		6.195	1318	247	BB
6		6.410	2800	224	BB
7		6.807	3086	271	BB
8		7.187	1453	310	BB
9		7.370	2374	417	BB
10	TCX	7.589	603206	94415	BB
11		8.284	4891	817	BB
12		8.470	8891	895	BB
13		8.817	17611	2339	BB
14		9.290	2215	228	BB

	Name	RT	Area	Height	Int Type
15		9.440	4139	899	BB
16		9.679	7624	862	BB
17		9.965	16262	1093	BB
18		10.538	105307	14962	BB
19		10.813	1434	258	BB
20		11.037	417	101	BB
21		11.197	237	48	BB
22		11.417	3306	443	BB
23		11.585	917	223	BB
24		11.751	1798	315	BB
25		11.894	2022	269	BB
26		12.288	423	89	BB
27		12.451	1638	210	BB
28		12.819	202614	15104	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010011

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082** **Project: 10780.01.005**

SampleName 248028 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J40 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		13.887	554	94	BB
30		14.074	1632	265	BB
31		14.366	711	120	BB
32		14.615	4289	427	BB
33		14.953	481	94	BB
34		15.116	508	100	BB
35		15.446	8536	1177	BB
36		15.666	1650	174	BB
37		16.196	58526	4492	BB
38		16.700	14520	1264	BB
39		17.847	47095	2091	BB
40		18.982	2595	432	BB
41		19.186	775	169	BB
42		19.339	1131	243	BB
43		19.483	1503	210	BB
44		19.990	11141	1595	BB

	Name	RT	Area	Height	Int Type
45		20.347	1093	213	BB
46		20.841	25887	2170	BB
47		21.396	2032	469	BB
48		21.540	2700	602	BB
49		21.867	9452	1508	BB
50		22.018	311	91	BB
51		22.139	766	186	BB
52		22.356	2685	447	BB
53		22.542	4465	979	BB
54		22.840	10209	2145	BB
55		22.977	2699	696	BB
56		23.187	17369	3372	BB
57		23.350	1067	287	BB
58		23.471	323	101	BB
59		23.590	643	144	BB
60		23.784	4663	861	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010012

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082**

Project: 10780.01.005

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		23.977	23642	4968	BB
62		24.232	1409	323	BB
63		24.374	10384	2058	BB
64		24.642	2481	537	BB
65		25.007	15353	3113	BB
66		25.240	1195	230	BB
67		25.552	3238	405	BB
68		25.762	12315	2800	BB
69		25.960	4093	892	BB
70		26.134	274	56	BB
71		26.317	1952	443	BB
72		26.458	458	97	BB
73		26.704	1025	236	BB
74		26.880	11469	2057	BB
75		27.257	532	88	BB
76		27.602	3823	276	BB

	Name	RT	Area	Height	Int Type
77		27.907	3148	475	BB
78		28.129	293	65	BB
79		28.260	1791	246	BB
80		28.626	806	115	BB
81		29.145	2443	196	BB
82		29.505	588	108	BB
83		29.705	973	122	BB
84		29.990	267	39	BB
85		30.346	410	48	BB
86	DCB	30.811	398907	45261	BB
87		31.354	845	103	BB
88		31.719	603	76	BB
89		32.078	5027	390	BB
90		32.550	206	30	BB
91		32.957	227	41	BB
92		33.325	320	49	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082** **Project: 10780.01.005**

010013

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		34.081	270	39	BB
94		34.519	7973	448	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010014

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082** **Project: 10780.01.005**

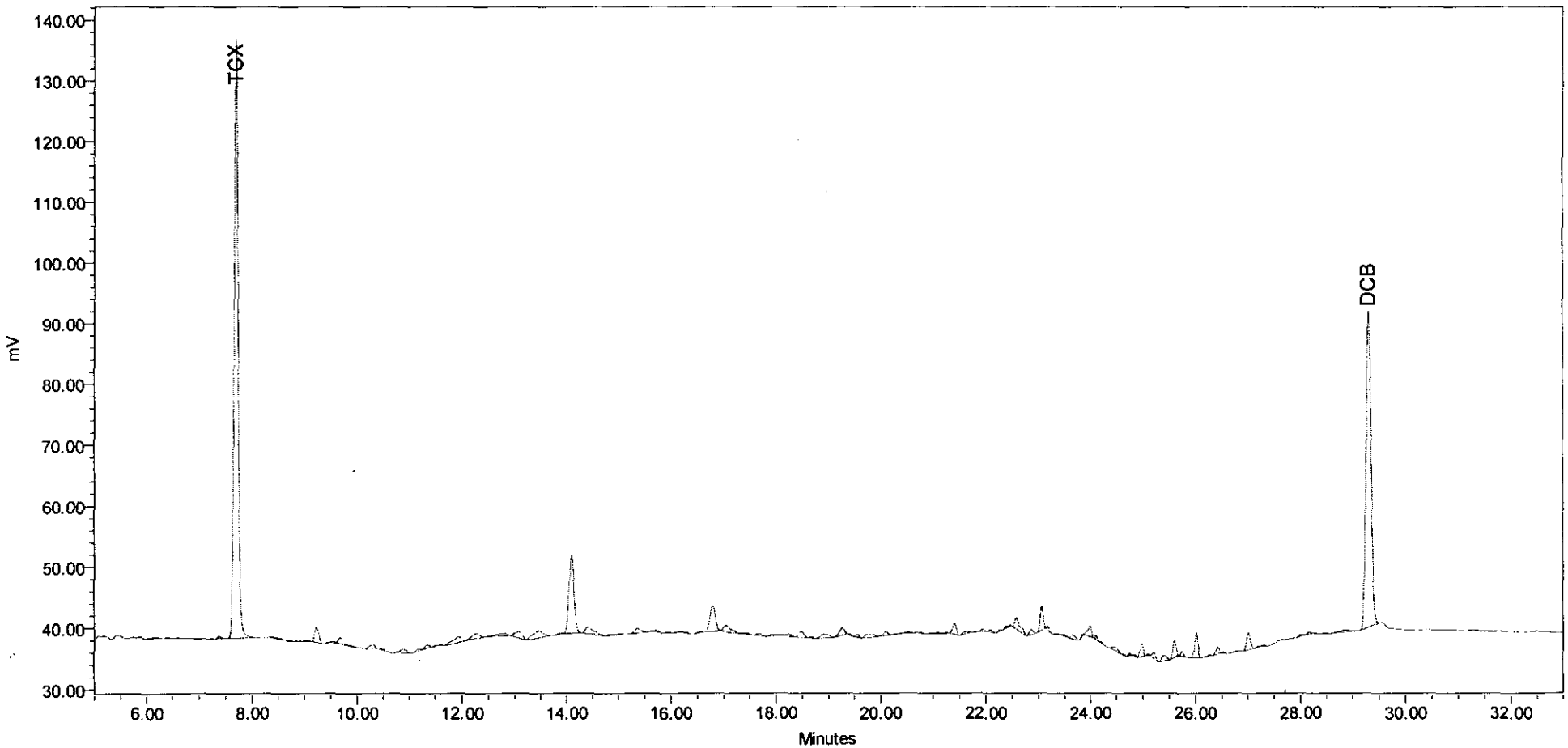
SampleName 248028 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J40 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004



SampleName 248028 CYCLES 79 Channel SATIN-2 Date Acquired 08/25/04 4:21:35 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010015

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082**

Project: 10780.01.005

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.152	1457	195	BB
2		6.406	488	121	BB
3		6.583	643	111	BB
4		6.951	315	52	BB
5		7.250	320	94	BB
6		7.377	1689	370	BB
7	TCX	7.700	509234	98668	BB
8		8.405	1869	153	BB
9		8.709	1042	185	BB
10		8.887	1613	364	BB
11		9.027	1365	239	BB
12		9.231	13389	2368	BB
13		9.417	237	71	BB
14		9.535	982	255	BB

	Name	RT	Area	Height	Int Type
15		9.677	6526	945	BB
16		10.292	5289	669	BB
17		10.483	871	165	BB
18		10.753	305	91	BB
19		10.894	4467	559	BB
20		11.177	1692	339	BB
21		11.343	3069	527	BB
22		11.509	342	116	BB
23		11.598	527	138	BB
24		11.913	10539	908	BB
25		12.267	8834	888	BB
26		12.737	6763	447	BB
27		13.080	9904	1007	BB
28		13.454	15939	1147	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010016

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082**

Project: 10780.01.005

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		13.866	865	164	BB
30		14.100	87095	12793	BB
31		14.416	12557	1099	BB
32		14.828	1336	219	BB
33		15.029	498	134	BB
34		15.358	6042	736	BB
35		15.736	1444	255	BB
36		15.928	1048	150	BB
37		16.159	309	72	BB
38		16.313	851	142	BB
39		16.543	916	149	BB
40		16.790	29723	4174	BB
41		17.049	9834	963	BB
42		17.410	1465	159	BB
43		17.681	2347	341	BB
44		17.916	1445	235	BB

	Name	RT	Area	Height	Int Type
45		18.078	603	118	BB
46		18.260	1929	344	BB
47		18.478	6410	963	BB
48		18.659	1106	257	BB
49		18.893	7042	639	BB
50		19.265	8213	1209	BB
51		19.417	553	164	BB
52		19.558	2372	473	BB
53		19.836	6009	537	BB
54		20.093	3693	624	BB
55		20.273	262	89	BB
56		20.385	215	74	BB
57		20.512	1161	200	BB
58		20.774	343	107	BB
59		20.960	231	71	BB
60		21.089	902	206	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010017

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082**

Project: 10780.01.005

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		21.235	663	179	BB
62		21.398	9047	1784	BB
63		21.597	2698	350	BB
64		21.938	1878	396	BB
65		22.095	1799	371	BB
66		22.260	865	275	BB
67		22.387	1301	365	BB
68		22.477	855	338	BB
69		22.584	12904	1875	BB
70		22.861	4538	930	BB
71		23.064	16158	3862	BB
72		23.174	1690	498	BB
73		23.358	674	168	BB
74		23.470	1400	239	BB
75		23.652	4342	660	BB
76		23.833	811	319	BB

	Name	RT	Area	Height	Int Type
77		23.992	9125	1747	BB
78		24.110	2958	628	BB
79		24.480	4302	558	BB
80		24.653	480	158	BB
81		24.757	1141	353	BB
82		24.853	913	278	BB
83		24.979	8678	2140	BB
84		25.111	881	281	BB
85		25.214	3909	945	BB
86		25.421	5769	887	BB
87		25.597	12377	2788	BB
88		25.752	2904	794	BB
89		26.014	17532	4121	BB
90		26.274	1244	271	BB
91		26.422	4839	1110	BB
92		26.543	697	180	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010018

CLIENT: Lionville Laboratory, Inc. CYCLES 79 **Method 8082** **Project: 10780.01.005**

SampleName 248028 Inj Vol 1.0 ul

Client_ID B19J40 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 4:21:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		26.777	413	61	BB
94		27.007	13965	2779	BB
95		27.214	204	58	BB
96		27.301	764	201	BB
97		27.993	1117	251	BB
98		28.153	1515	347	BB
99		28.272	347	95	BB
100		28.484	502	87	BB
101		28.828	3736	304	BB
102	DCB	29.300	344340	52052	BB
103		31.311	2124	225	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J41

010019

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00054 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 248029
SwRI ID : 248029
Date Analyzed: 8/25/2004
Date Received: 7/15/2004
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	---------	Aroclor-1016	0.185	U
11104-28-2	---------	Aroclor-1221	0.185	U
11141-16-5	---------	Aroclor-1232	0.185	U
53469-21-9	---------	Aroclor-1242	0.185	U
12672-29-6	---------	Aroclor-1248	0.185	U
11097-69-1	---------	Aroclor-1254	0.185	U
11096-82-5	---------	Aroclor-1260	0.185	U
11100-14-4	---------	AR1268	0.185	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.

E - This flag identifies compounds whose concentration exceed the calibration range.

P - This flag identifies compounds whose RPD exceed 40%

D - Dilution

SOXH - Soxhlet

SEPF - Sep-Funnel

NQ - Not Quantitated. Concentration exceedes calibration.

010020

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082**

Project: 10780.01.005

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

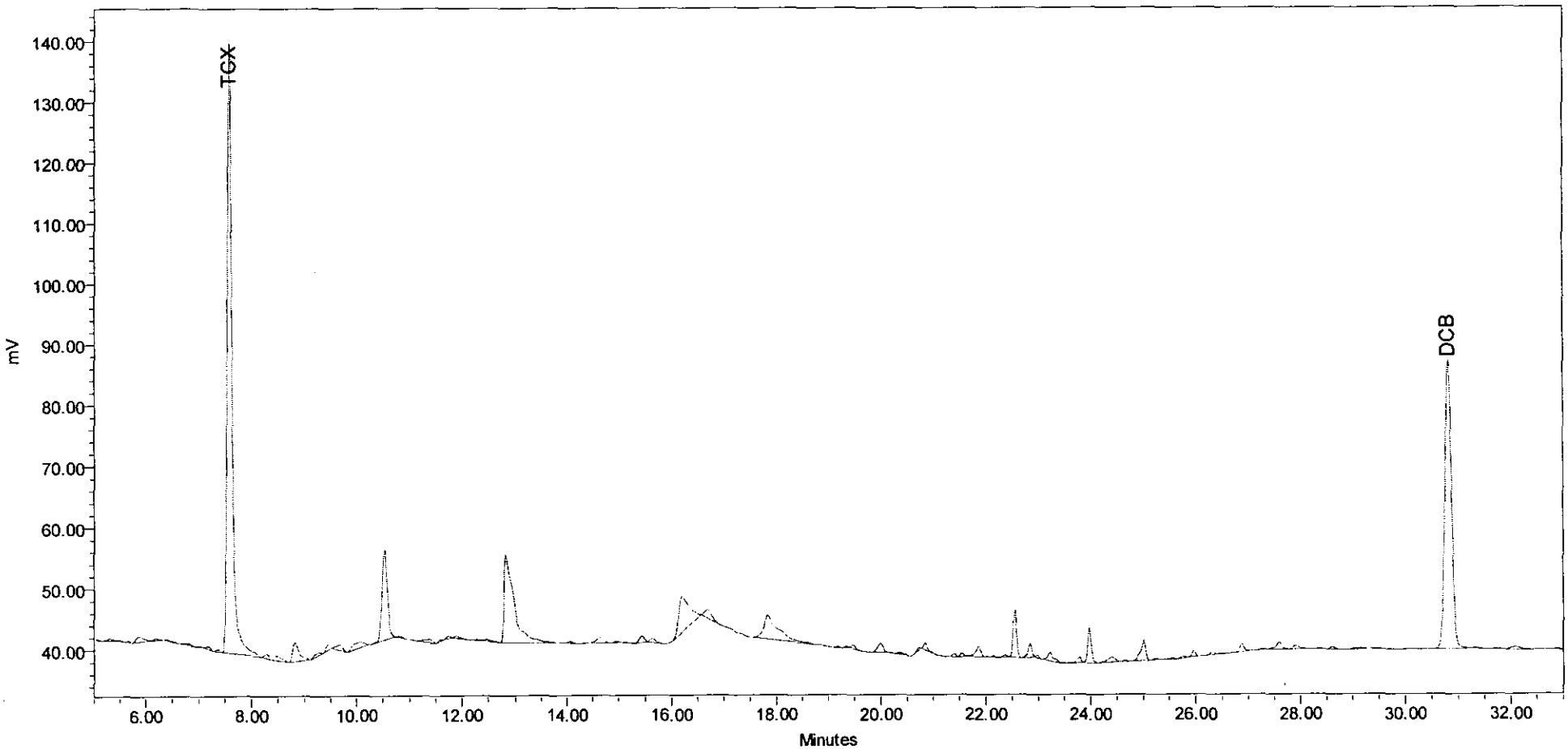
Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004



SampleName 248029 CYCLES 82 Channel SATIN Date Acquired 08/25/04 6:54:52 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010021

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082**

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.050	575	138	BB
2		5.310	2802	373	BB
3		5.513	407	96	BB
4		5.678	525	128	BB
5		5.877	9569	883	BB
6		6.195	1719	291	BB
7		6.419	1496	174	BB
8		6.820	2758	249	BB
9		7.007	596	125	BB
10		7.184	2540	462	BB
11		7.365	2246	405	BB
12	TCX	7.589	641830	100651	BB
13		8.297	4365	754	BB
14		8.470	7621	798	BB

	Name	RT	Area	Height	Int Type
15		8.815	26616	3059	BB
16		9.227	4529	491	BB
17		9.443	4541	975	BB
18		9.678	7988	899	BB
19		9.970	15006	960	BB
20		10.537	103508	14741	BB
21		10.820	1464	239	BB
22		11.400	6295	527	BB
23		11.577	1323	324	BB
24		11.740	2261	398	BB
25		11.900	2581	341	BB
26		12.300	558	114	BB
27		12.463	2962	244	BB
28		12.823	183292	14330	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010022

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082**

Project: 10780.01.005

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		13.890	385	72	BB
30		14.069	1610	266	BB
31		14.357	336	83	BB
32		14.674	9280	968	BB
33		14.957	867	158	BB
34		15.112	592	93	BB
35		15.438	7132	1058	BB
36		15.640	4608	661	BB
37		16.187	81169	5937	BB
38		16.687	13479	1432	BB
39		17.821	75388	3931	BB
40		19.173	1095	239	BB
41		19.332	694	173	BB
42		19.470	3594	646	BB
43		19.990	10619	1479	BB
44		20.177	403	108	BB

	Name	RT	Area	Height	Int Type
45		20.343	2475	280	BB
46		20.710	2024	466	BB
47		20.837	5977	1158	BB
48		21.397	2300	525	BB
49		21.542	2776	619	BB
50		21.861	10691	1558	BB
51		22.010	277	92	BB
52		22.137	1165	282	BB
53		22.358	1906	357	BB
54		22.543	36413	7636	BB
55		22.836	11518	2307	BB
56		22.977	1496	412	BB
57		23.218	11262	1416	BB
58		23.482	379	109	BB
59		23.603	666	157	BB
60		23.786	4352	886	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010023

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082** **Project: 10780.01.005**

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		23.976	26365	5606	BB
62		24.400	9026	813	BB
63		24.640	808	196	BB
64		25.004	21191	3221	BB
65		25.247	1122	239	BB
66		25.557	1439	233	BB
67		25.765	1814	307	BB
68		25.961	4254	934	BB
69		26.316	2243	476	BB
70		26.461	324	82	BB
71		26.868	7763	1330	BB
72		27.266	383	82	BB
73		27.587	8825	1123	BB
74		27.905	4883	560	BB
75		28.377	859	117	BB
76		28.606	2805	363	BB

	Name	RT	Area	Height	Int Type
77		29.146	2462	203	BB
78		29.498	1327	146	BB
79		29.703	823	115	BB
80		29.995	260	52	BB
81		30.273	651	59	BB
82	DCB	30.806	416491	47056	BB
83		31.350	1101	126	BB
84		31.706	695	85	BB
85		32.088	5762	452	BB
86		32.927	1143	122	BB
87		33.307	339	47	BB
88		34.055	303	49	BB
89		34.540	6694	366	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010024

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082** **Project: 10780.01.005**

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

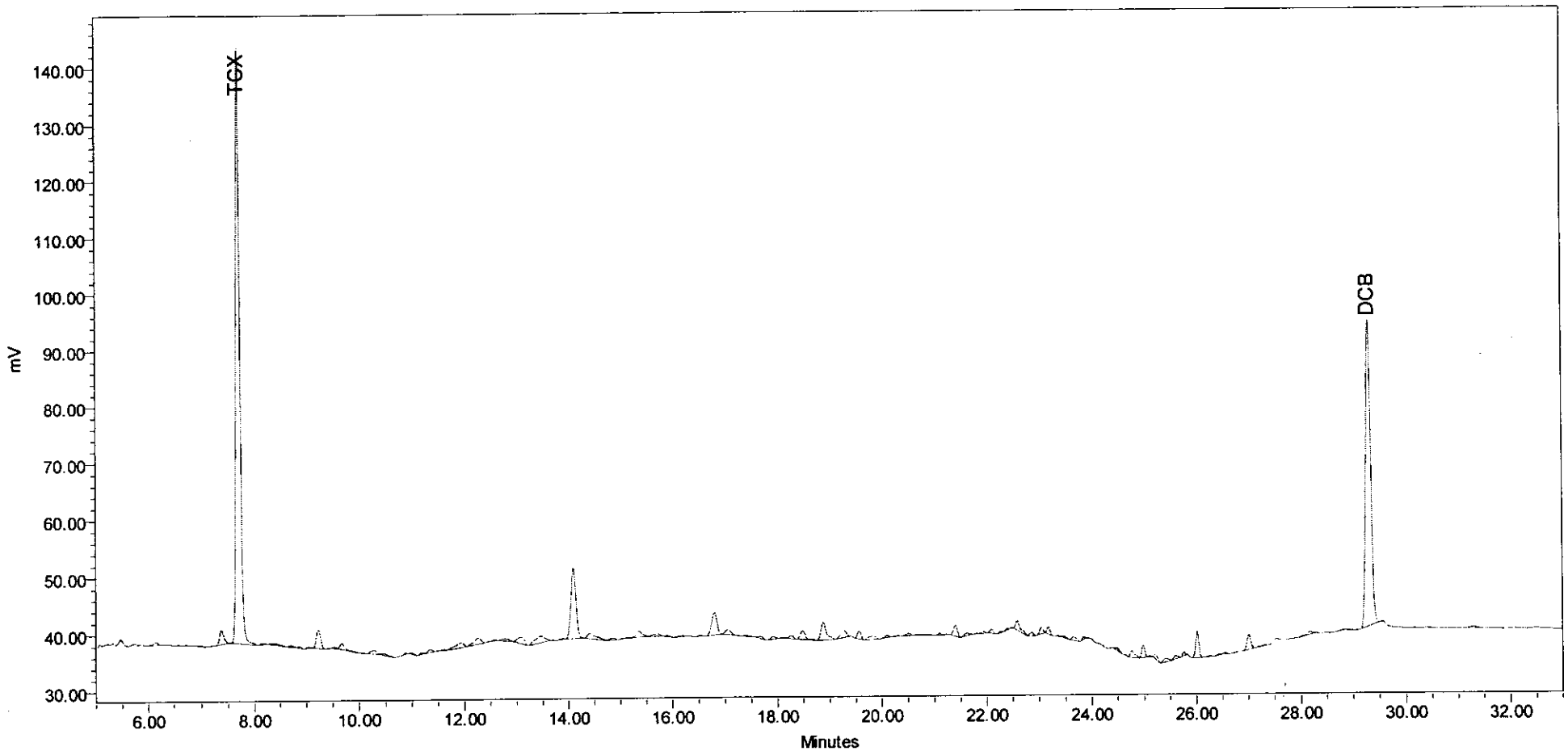
Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004



SampleName 248029 CYCLES 82 Channel SATIN-2 Date Acquired 08/25/04 6:54:52 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010025

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082**

Project: 10780.01.005

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.144	3379	536	BB
2		6.410	471	116	BB
3		6.588	464	99	BB
4		6.990	597	101	BB
5		7.373	14115	2523	BB
6	TCX	7.701	542242	105293	BB
7		8.152	1225	201	BB
8		8.397	3540	291	BB
9		8.717	1619	282	BB
10		8.878	1311	315	BB
11		9.030	1436	264	BB
12		9.229	18417	3224	BB
13		9.413	271	87	BB
14		9.533	1089	270	BB

	Name	RT	Area	Height	Int Type
15		9.679	7029	1051	BB
16		10.057	416	96	BB
17		10.269	4617	597	BB
18		10.475	2549	314	BB
19		10.880	982	225	BB
20		11.017	1200	232	BB
21		11.173	1086	247	BB
22		11.356	2947	472	BB
23		11.490	227	73	BB
24		11.599	545	160	BB
25		11.924	9738	855	BB
26		12.252	10138	1047	BB
27		12.473	258	83	BB
28		12.582	649	152	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010026

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082**

Project: 10780.01.005

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.789	3904	379	BB
30		13.083	10236	1102	BB
31		13.443	15864	1184	BB
32		13.862	626	112	BB
33		14.101	84495	12380	BB
34		14.418	10954	929	BB
35		14.834	2306	328	BB
36		15.053	233	58	BB
37		15.358	8291	1025	BB
38		15.716	3758	393	BB
39		15.904	797	209	BB
40		16.161	1101	155	BB
41		16.525	1169	244	BB
42		16.791	28177	3989	BB
43		17.042	7209	871	BB
44		17.412	1198	151	BB

	Name	RT	Area	Height	Int Type
45		17.685	2525	408	BB
46		17.910	2703	424	BB
47		18.080	529	115	BB
48		18.267	3280	539	BB
49		18.483	9804	1507	BB
50		18.655	833	212	BB
51		18.872	21219	3070	BB
52		19.267	8778	1182	BB
53		19.562	7253	1444	BB
54		19.816	6411	597	BB
55		20.101	2521	366	BB
56		20.311	412	102	BB
57		20.511	2509	400	BB
58		20.701	1372	162	BB
59		20.902	328	70	BB
60		21.100	1278	300	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010027

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082** **Project: 10780.01.005**

SampleName 248029 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J41 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		21.235	443	123	BB
62		21.397	9830	1923	BB
63		21.610	3444	453	BB
64		21.814	261	73	BB
65		21.937	1491	327	BB
66		22.092	3411	781	BB
67		22.263	857	261	BB
68		22.377	1261	339	BB
69		22.479	715	282	BB
70		22.582	10337	1641	BB
71		22.855	2915	655	BB
72		23.046	5265	1153	BB
73		23.172	4956	1236	BB
74		23.363	496	156	BB
75		23.457	1354	241	BB
76		23.647	4129	666	BB

	Name	RT	Area	Height	Int Type
77		23.837	1500	470	BB
78		23.917	289	127	BB
79		24.369	266	89	BB
80		24.483	2564	428	BB
81		24.756	6743	1160	BB
82		24.978	8548	2137	BB
83		25.105	680	213	BB
84		25.214	3390	851	BB
85		25.411	4367	631	BB
86		25.599	3200	576	BB
87		25.753	2576	743	BB
88		26.014	19607	4643	BB
89		26.261	1160	233	BB
90		26.443	850	185	BB
91		26.552	761	208	BB
92		27.009	13404	2664	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010028

CLIENT: Lionville Laboratory, Inc. CYCLES 82 **Method 8082**

SampleName 248029 Inj Vol 1.0 ul

Client_ID B19J41 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 6:54:52 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		27.213	1396	166	BB
94		28.165	3451	458	BB
95		28.812	218	62	BB
96		28.859	257	55	BB
97	DCB	29.299	359759	54174	BB
98		30.432	227	47	BB
99		31.296	2228	253	BB
100		31.762	202	41	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J42

010029

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00055 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 248030
SwRI ID : 248030
Date Analyzed: 8/25/2004
Date Received: 7/15/2004
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	----------	Aroclor-1016	0.182	U
11104-28-2	----------	Aroclor-1221	0.182	U
11141-16-5	----------	Aroclor-1232	0.182	U
53469-21-9	----------	Aroclor-1242	0.182	U
12672-29-6	----------	Aroclor-1248	0.182	U
11097-69-1	----------	Aroclor-1254	0.182	U
11096-82-5	----------	Aroclor-1260	0.182	U
11100-14-4	----------	AR1268	0.182	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.
E - This flag identifies compounds whose concentration exceed the calibration range.
P - This flag identifies compounds whose RPD exceed 40%
D - Dilution
SOXH - Soxhlet
SEPF - Sep-Funnel
NQ - Not Quantitated. Concentration exceedes calibration.

010030

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082** **Project: 10780.01.005**

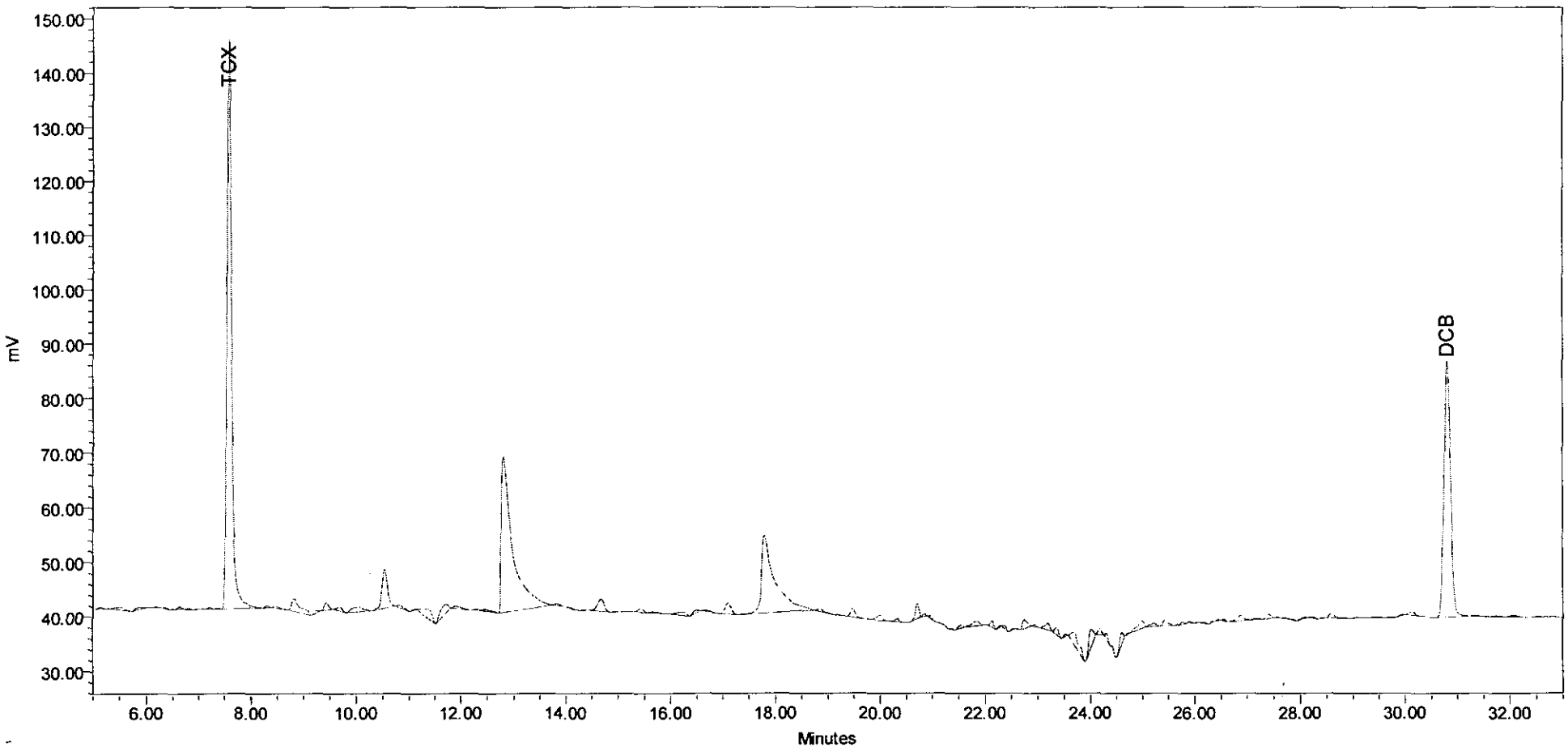
SampleName 248030 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J42 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004



SampleName 248030 CYCLES 84 Channel SATIN Date Acquired 08/25/04 8:37:01 AM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

010031

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082**

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.131	1932	270	BB
2		5.292	256	95	BB
3		5.528	6425	546	BB
4		5.833	3776	395	BB
5		6.036	342	72	BB
6		6.206	576	123	BB
7		6.355	907	190	BB
8		6.499	230	86	BB
9		6.624	1979	400	BB
10		6.786	1234	225	BB
11		6.964	346	94	BB
12		7.086	236	76	BB
13		7.211	1455	305	BB
14		7.368	772	153	BB

	Name	RT	Area	Height	Int Type
15	TCX	7.588	657832	104964	BB
16		8.304	1986	421	BB
17		8.467	2990	395	BB
18		8.817	26640	2315	BB
19		9.237	2505	456	BB
20		9.438	8248	1455	BB
21		9.690	4732	700	BB
22		10.049	13421	857	BB
23		10.535	52030	7158	BB
24		10.820	4139	469	BB
25		11.090	673	143	BB
26		11.387	20956	1802	BB
27		11.657	19487	1759	BB
28		11.900	4779	442	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010032

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082** **Project: 10780.01.005**

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.278	556	115	BB
30		12.461	3985	342	BB
31		12.808	431103	28447	BB
32		13.821	2251	349	BB
33		14.068	960	179	BB
34		14.358	427	76	BB
35		14.676	19603	2287	BB
36		14.932	337	77	BB
37		15.125	215	45	BB
38		15.444	4711	663	BB
39		15.648	1813	191	BB
40		16.248	7427	679	BB
41		16.463	3861	561	BB
42		16.673	1906	192	BB
43		17.103	16475	2064	BB
44		17.796	258320	14296	BB

	Name	RT	Area	Height	Int Type
45		18.843	4463	589	BB
46		19.181	794	126	BB
47		19.467	9790	1579	BB
48		19.991	7740	953	BB
49		20.177	265	77	BB
50		20.326	3038	571	BB
51		20.710	13966	2798	BB
52		20.848	1607	485	BB
53		20.957	2109	431	BB
54		21.373	639	191	BB
55		21.537	3253	609	BB
56		21.839	8862	875	BB
57		22.136	5191	1185	BB
58		22.277	974	319	BB
59		22.383	2536	574	BB
60		22.520	958	307	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010033

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082** **Project: 10780.01.005**

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		22.618	549	161	BB
62		22.761	10120	1716	BB
63		22.963	1618	368	BB
64		23.200	8608	1333	BB
65		23.364	6861	1360	BB
66		23.523	1577	420	BB
67		23.710	24360	2495	BB
68		24.007	19684	3517	BB
69		24.180	5354	1123	BB
70		24.317	3969	1146	BB
71		24.590	10231	2392	BB
72		24.710	764	312	BB
73		25.004	12587	1404	BB
74		25.225	4794	599	BB
75		25.440	7784	1262	BB
76		25.772	2524	430	BB

	Name	RT	Area	Height	Int Type
77		25.898	1542	301	BB
78		26.203	1450	243	BB
79		26.333	605	218	BB
80		26.453	630	161	BB
81		26.559	1126	278	BB
82		26.873	9278	1032	BB
83		27.215	1894	208	BB
84		27.403	4941	858	BB
85		27.570	881	231	BB
86		27.703	1045	171	BB
87		27.877	425	138	BB
88		28.053	1804	263	BB
89		28.257	1260	206	BB
90		28.410	607	136	BB
91		28.595	8042	827	BB
92		29.062	1056	158	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010034

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082** **Project: 10780.01.005**

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		29.475	1802	182	BB
94		29.943	1007	185	BB
95		30.129	5126	707	BB
96	DCB	30.809	409598	46914	BB
97		31.344	1404	144	BB
98		31.724	2009	205	BB
99		32.072	2889	274	BB
100		32.520	965	111	BB
101		33.126	223	36	BB
102		33.482	2917	258	BB
103		33.786	633	65	BB
104		34.401	955	101	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010035

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082** **Project: 10780.01.005**

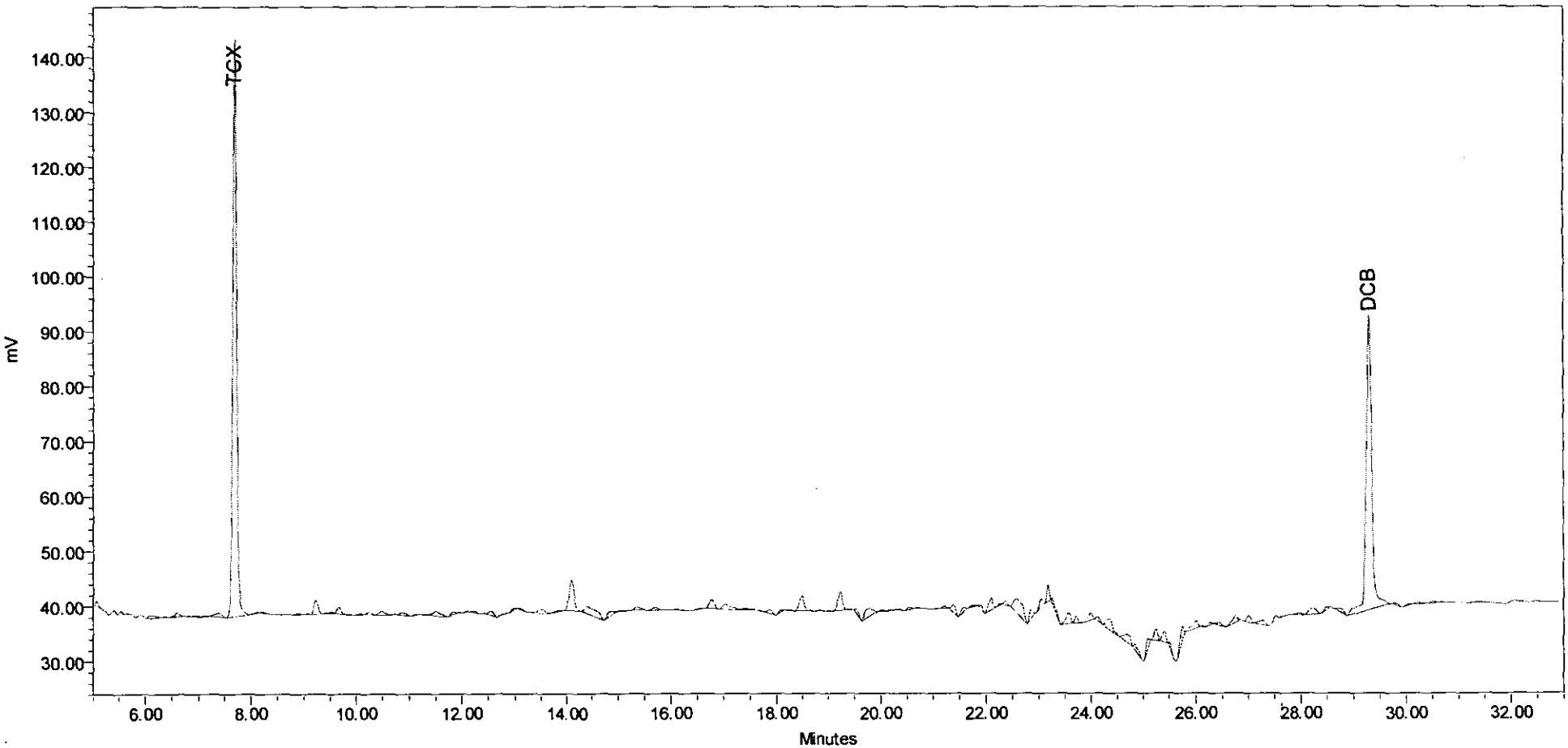
SampleName 248030 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J42 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004



SampleName 248030 CYCLES 84 Channel SATIN-2 Date Acquired 08/25/04 8:37:01 AM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

010036

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082**

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.136	4628	516	BB
2		6.376	875	200	BB
3		6.604	5130	816	BB
4		6.795	409	103	BB
5		6.974	833	165	BB
6		7.134	914	169	BB
7		7.377	6882	649	BB
8	TCX	7.699	541396	105392	BB
9		8.127	577	118	BB
10		8.233	948	203	BB
11		8.504	244	69	BB
12		8.709	213	48	BB
13		8.900	1279	191	BB
14		9.063	550	133	BB

	Name	RT	Area	Height	Int Type
15		9.232	14677	2607	BB
16		9.420	366	93	BB
17		9.530	742	209	BB
18		9.675	6831	1304	BB
19		10.083	1073	228	BB
20		10.256	3179	413	BB
21		10.494	5921	710	BB
22		10.877	3951	499	BB
23		11.120	566	115	BB
24		11.509	9997	963	BB
25		11.837	3110	526	BB
26		11.975	241	73	BB
27		12.110	581	149	BB
28		12.261	1809	315	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010037

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082** **Project: 10780.01.005**

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.428	237	63	BB
30		12.565	4704	768	BB
31		12.973	1499	327	BB
32		13.103	1260	215	BB
33		13.316	436	98	BB
34		13.508	5745	636	BB
35		13.873	1681	184	BB
36		14.101	38287	5537	BB
37		14.430	24230	1377	BB
38		14.837	6981	905	BB
39		15.044	390	102	BB
40		15.193	331	73	BB
41		15.361	4585	590	BB
42		15.714	3674	491	BB
43		15.949	297	58	BB
44		16.102	405	91	BB

	Name	RT	Area	Height	Int Type
45		16.537	469	98	BB
46		16.787	10968	1640	BB
47		17.050	10509	971	BB
48		17.418	2174	253	BB
49		17.684	386	124	BB
50		17.887	4617	682	BB
51		18.073	1941	389	BB
52		18.258	1129	197	BB
53		18.488	16977	2673	BB
54		18.663	393	102	BB
55		18.801	514	101	BB
56		19.004	288	85	BB
57		19.229	21046	3499	BB
58		19.400	682	179	BB
59		19.557	4571	982	BB
60		19.733	16398	1569	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010038

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082** **Project: 10780.01.005**

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		20.034	1271	267	BB
62		20.223	749	104	BB
63		20.377	781	193	BB
64		20.549	2615	436	BB
65		20.711	1135	199	BB
66		20.860	211	71	BB
67		21.230	1705	371	BB
68		21.403	7944	1499	BB
69		21.580	4758	832	BB
70		21.800	2286	276	BB
71		21.920	2284	652	BB
72		22.092	13003	2288	BB
73		22.273	875	254	BB
74		22.376	3239	763	BB
75		22.607	32349	2706	BB
76		22.850	7959	1685	BB

	Name	RT	Area	Height	Int Type
77		23.043	5617	1326	BB
78		23.172	10387	2968	BB
79		23.277	6756	1184	BB
80		23.577	11904	1851	BB
81		23.718	5013	1248	BB
82		23.830	346	152	BB
83		23.995	7151	1266	BB
84		24.130	3815	765	BB
85		24.354	16712	2033	BB
86		24.730	13523	1454	BB
87		24.843	6483	1046	BB
88		25.083	8579	1953	BB
89		25.243	10200	2054	BB
90		25.407	9497	1964	BB
91		25.520	3131	1107	BB
92		25.730	13445	2942	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010039

CLIENT: Lionville Laboratory, Inc. CYCLES 84 **Method 8082**

Project: 10780.01.005

SampleName 248030 Inj Vol 1.0 ul

Client_ID B19J42 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 8:37:01 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		26.008	10179	1356	BB
94		26.116	470	160	BB
95		26.260	2037	471	BB
96		26.454	3586	606	BB
97		26.753	8455	1311	BB
98		27.008	7188	1275	BB
99		27.287	7738	853	BB
100		27.992	2742	338	BB
101		28.233	11274	1119	BB
102		28.483	2943	517	BB
103		28.790	4993	669	BB
104	DCB	29.299	403287	53782	BB
105		29.833	2024	330	BB
106		30.053	1458	255	BB
107		30.227	2106	288	BB
108		30.518	2364	320	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J43

010040

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00057 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 248031
SwRI ID : 248031
Date Analyzed: 8/24/2004
Date Received: 7/15/2004
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	---------	Aroclor-1016	0.176	U
11104-28-2	---------	Aroclor-1221	0.176	U
11141-16-5	---------	Aroclor-1232	0.176	U
53469-21-9	---------	Aroclor-1242	0.176	U
12672-29-6	---------	Aroclor-1248	0.176	U
11097-69-1	---------	Aroclor-1254	0.176	U
11096-82-5	---------	Aroclor-1260	0.176	U
11100-14-4	---------	AR1268	0.176	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.

E - This flag identifies compounds whose concentration exceed the calibration range.

P - This flag identifies compounds whose RPD exceed 40%

D - Dilution

SOXH - Soxhlet

SEPF - Sep-Funnel

NQ - Not Quantitated. Concentration exceedes calibration.

010041

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082** **Project: 10780.01.005**

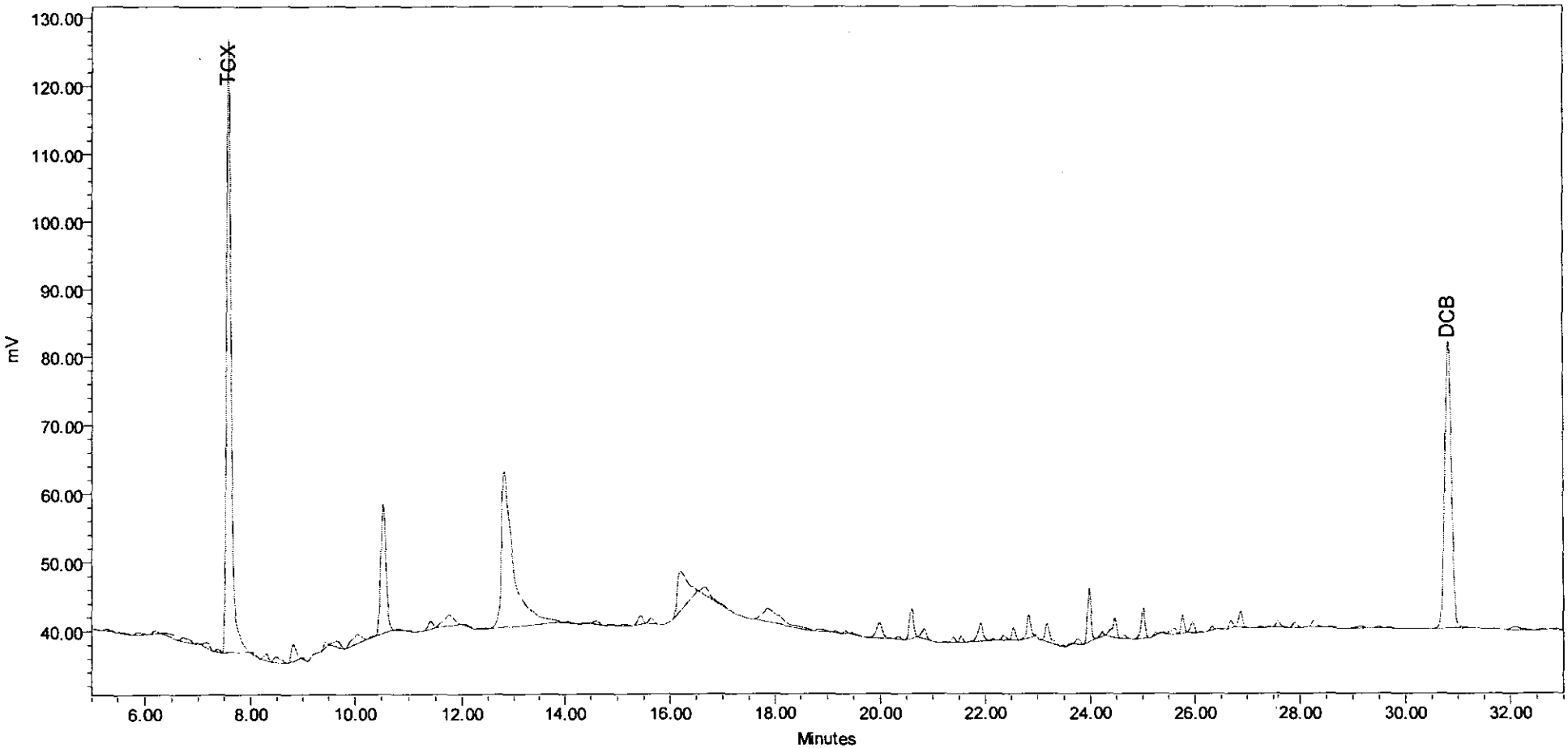
SampleName 248031 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J43 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004



SampleName 248031 CYCLES 69 Channel SATIN Date Acquired 08/24/04 7:50:33 PM

Peak areas less than 200 are not show n. Manual integrations are identified by low er case letters in the "Int Type" field.

010042

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082**

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.057	411	100	BB
2		5.289	2188	302	BB
3		5.531	1699	154	BB
4		5.887	3453	361	BB
5		6.191	2682	460	BB
6		6.527	5382	453	BB
7		6.713	6945	583	BB
8		6.993	691	208	BB
9		7.183	6111	842	BB
10		7.372	2615	449	BB
11	TCX	7.589	555600	90181	BB
12		8.050	1957	334	BB
13		8.290	5837	998	BB
14		8.466	7722	793	BB

	Name	RT	Area	Height	Int Type
15		8.811	16674	2487	BB
16		9.010	944	235	BB
17		9.442	3597	800	BB
18		9.681	8233	904	BB
19		10.041	17604	1345	BB
20		10.534	129567	18766	BB
21		10.810	1146	213	BB
22		10.993	907	172	BB
23		11.410	7095	1128	BB
24		11.754	20990	1500	BB
25		12.070	1796	207	BB
26		12.310	233	68	BB
27		12.446	356	87	BB
28		12.809	374955	22686	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010043

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082**

Project: 10780.01.005

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		14.063	1424	214	BB
30		14.377	1018	157	BB
31		14.604	3660	487	BB
32		14.812	310	74	BB
33		14.945	238	75	BB
34		15.137	1584	188	BB
35		15.444	8198	1232	BB
36		15.641	5068	810	BB
37		16.187	78184	5755	BB
38		16.674	14082	1218	BB
39		17.844	49706	1966	BB
40		18.872	3431	303	BB
41		19.182	1236	217	BB
42		19.342	1575	352	BB
43		19.465	1091	196	BB
44		19.986	17889	2190	BB

	Name	RT	Area	Height	Int Type
45		20.345	2062	387	BB
46		20.597	23955	4314	BB
47		20.841	9323	1485	BB
48		21.399	4570	809	BB
49		21.545	3881	896	BB
50		21.915	18459	2644	BB
51		22.145	1020	241	BB
52		22.355	4164	721	BB
53		22.544	8677	1857	BB
54		22.839	18490	3350	BB
55		23.187	17326	2673	BB
56		23.484	867	232	BB
57		23.603	816	214	BB
58		23.765	4531	742	BB
59		23.978	35568	7776	BB
60		24.228	3009	706	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010044

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082**

Project: 10780.01.005

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		24.473	18946	2870	BB
62		24.644	2577	527	BB
63		25.008	22687	4425	BB
64		25.242	1438	391	BB
65		25.333	409	162	BB
66		25.401	391	159	BB
67		25.608	6058	917	BB
68		25.762	11201	2724	BB
69		25.952	8063	1528	BB
70		26.107	230	76	BB
71		26.328	2612	580	BB
72		26.477	447	101	BB
73		26.688	4762	1099	BB
74		26.877	12131	2295	BB
75		27.257	1025	200	BB
76		27.414	610	138	BB

	Name	RT	Area	Height	Int Type
77		27.590	5537	898	BB
78		27.909	4208	686	BB
79		28.122	246	66	BB
80		28.267	5621	916	BB
81		28.614	1371	199	BB
82		29.145	3388	325	BB
83		29.494	1633	243	BB
84		29.702	1414	190	BB
85		29.926	429	69	BB
86		30.326	533	43	BB
87	DCB	30.815	372407	41905	BB
88		31.664	936	89	BB
89		32.092	6675	477	BB
90		32.586	837	93	BB
91		32.891	1432	131	BB
92		33.340	1022	96	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010045

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082** **Project: 10780.01.005**

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		33.659	1644	187	BB
94		33.921	682	60	BB
95		34.538	6443	418	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010046

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082** **Project: 10780.01.005**

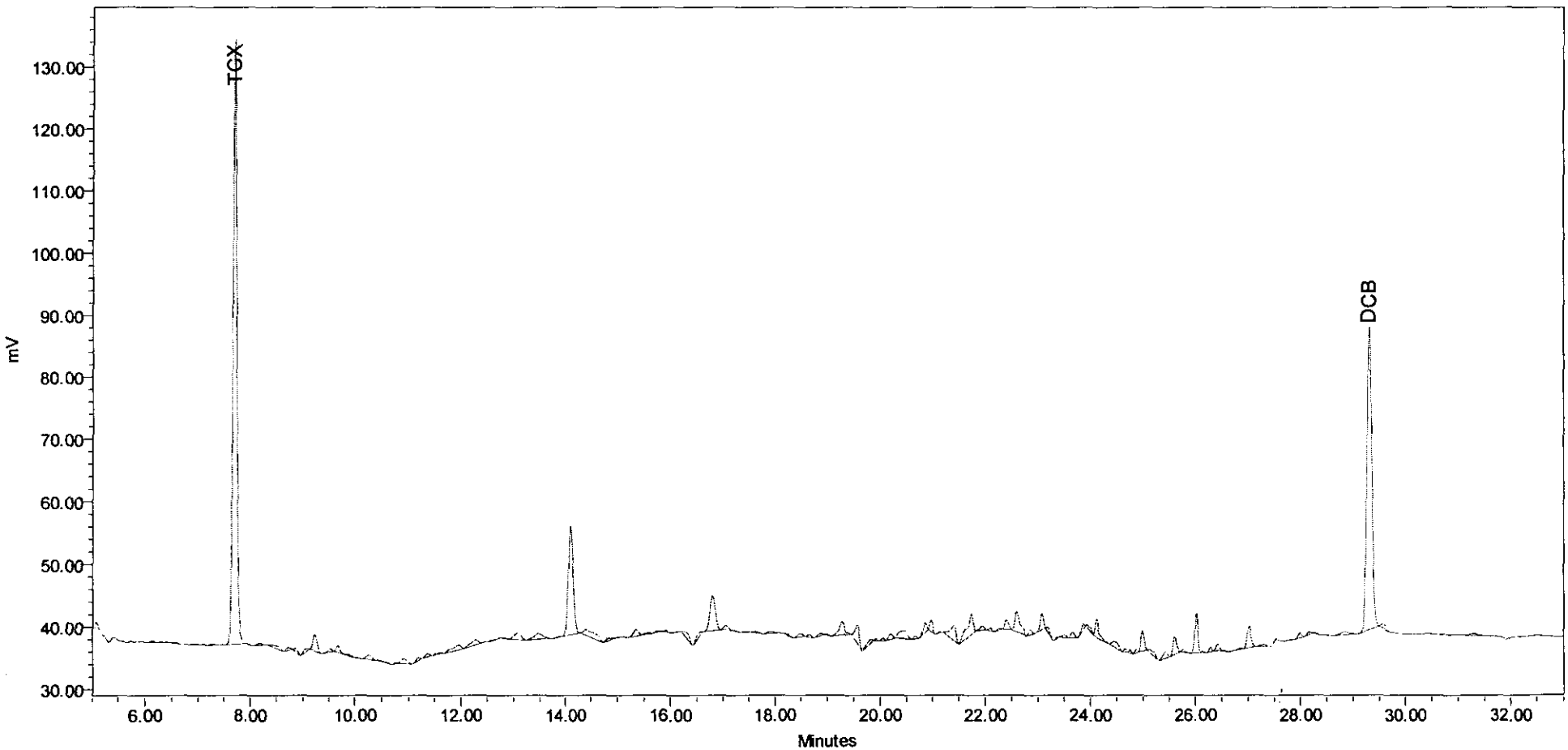
SampleName 248031 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J43 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004



SampleName 248031 CYCLES 69 Channel SATIN-2 Date Acquired 08/24/04 7:50:33 PM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

010047

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082**

Project: 10780.01.005

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.134	903	207	BB
2		6.303	291	88	BB
3		6.397	292	78	BB
4		6.577	702	135	BB
5		6.943	1401	163	BB
6		7.090	392	100	BB
7		7.263	842	177	BB
8	TCX	7.700	490354	97317	BB
9		7.983	545	129	BB
10		8.185	2206	317	BB
11		8.537	5086	471	BB
12		8.717	2482	448	BB
13		8.877	2856	656	BB
14		9.027	2988	500	BB

	Name	RT	Area	Height	Int Type
15		9.226	15273	2691	BB
16		9.526	2872	496	BB
17		9.671	6937	1061	BB
18		10.050	408	123	BB
19		10.283	5478	688	BB
20		10.424	722	117	BB
21		10.600	466	129	BB
22		10.746	435	131	BB
23		10.897	5953	743	BB
24		11.177	2503	498	BB
25		11.356	2919	529	BB
26		11.500	563	179	BB
27		11.607	857	215	BB
28		11.952	9427	759	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010048

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082** **Project: 10780.01.005**

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.279	8154	788	BB
30		12.597	585	112	BB
31		12.825	427	104	BB
32		13.074	9756	1051	BB
33		13.465	12242	976	BB
34		13.849	476	108	BB
35		14.099	117345	17201	BB
36		14.411	17726	976	BB
37		14.823	2604	481	BB
38		15.034	418	98	BB
39		15.123	374	98	BB
40		15.353	6859	1041	BB
41		15.578	1610	203	BB
42		15.749	1183	229	BB
43		15.924	1212	240	BB
44		16.142	432	104	BB

	Name	RT	Area	Height	Int Type
45		16.313	7193	975	BB
46		16.517	4470	754	BB
47		16.789	39730	5599	BB
48		17.039	4801	684	BB
49		17.230	265	68	BB
50		17.472	402	69	BB
51		17.647	1486	215	BB
52		17.914	2472	327	BB
53		18.257	1363	257	BB
54		18.494	3781	556	BB
55		18.667	2070	428	BB
56		18.862	2369	367	BB
57		19.010	781	181	BB
58		19.269	16373	2106	BB
59		19.558	16112	2928	BB
60		19.797	4795	640	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010049

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082** **Project: 10780.01.005**

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		19.919	1136	321	BB
62		20.048	1630	458	BB
63		20.197	4659	843	BB
64		20.448	14071	1239	BB
65		20.664	1980	447	BB
66		20.847	6630	1572	BB
67		20.960	7299	1790	BB
68		21.128	565	158	BB
69		21.399	18784	2380	BB
70		21.729	27366	3379	BB
71		21.935	3576	718	BB
72		22.100	1765	418	BB
73		22.257	1014	287	BB
74		22.390	7643	1479	BB
75		22.585	22219	3198	BB
76		22.865	3702	821	BB

	Name	RT	Area	Height	Int Type
77		23.065	11251	2698	BB
78		23.190	3099	668	BB
79		23.367	758	223	BB
80		23.503	2474	466	BB
81		23.660	4713	931	BB
82		23.843	3556	1068	BB
83		23.990	3541	687	BB
84		24.104	15331	2952	BB
85		24.467	8152	947	BB
86		24.653	1697	503	BB
87		24.749	1525	525	BB
88		24.866	1802	548	BB
89		24.983	14060	3220	BB
90		25.207	4327	620	BB
91		25.423	6329	1065	BB
92		25.598	14601	2927	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010050

CLIENT: Lionville Laboratory, Inc. CYCLES 69 **Method 8082** **Project: 10780.01.005**

SampleName 248031 Inj Vol 1.0 ul

Client_ID B19J43 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 7:50:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		25.753	1889	489	BB
94		26.014	26081	6382	BB
95		26.133	588	192	BB
96		26.285	3265	914	BB
97		26.419	5211	1172	BB
98		26.534	484	159	BB
99		26.843	1096	175	BB
100		27.009	17686	3519	BB
101		27.298	2563	365	BB
102		27.992	3618	788	BB
103		28.159	1850	426	BB
104		28.278	760	162	BB
105		28.488	247	57	BB
106		28.839	6056	487	BB
107	DCB	29.301	321066	48797	BB
108		29.563	3806	656	BB

	Name	RT	Area	Height	Int Type
109		31.299	3263	335	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J44

010051

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00050 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 248032
SwRI ID : 248032
Date Analyzed: 8/25/2004
Date Received: 7/15/2004
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	----------	Aroclor-1016	0.200	U
11104-28-2	----------	Aroclor-1221	0.200	U
11141-16-5	----------	Aroclor-1232	0.200	U
53469-21-9	----------	Aroclor-1242	0.200	U
12672-29-6	----------	Aroclor-1248	0.200	U
11097-69-1	----------	Aroclor-1254	0.200	U
11096-82-5	----------	Aroclor-1260	0.200	U
11100-14-4	----------	AR1268	0.200	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.

E - This flag identifies compounds whose concentration exceed the calibration range.

P - This flag identifies compounds whose RPD exceed 40%

D - Dilution

SOXH - Soxhlet

SEPF - Sep-Funnel

NQ - Not Quantitated. Concentration exceedes calibration.

010052

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082** **Project: 10780.01.005**

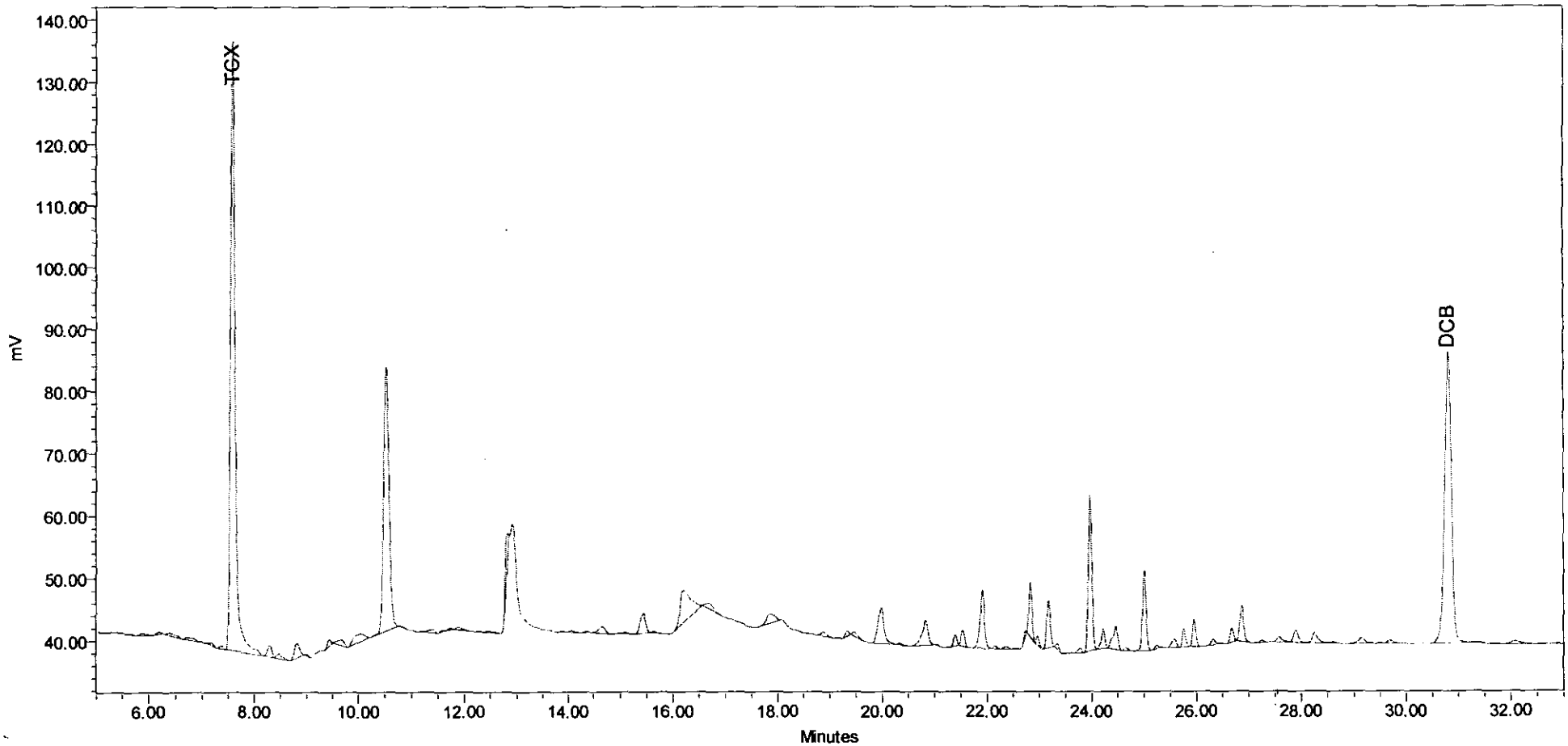
SampleName 248032 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J44 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004



SampleName 248032 CYCLES 86 Channel SATIN Date Acquired 08/25/04 10:19:12 AM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

010053

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.058	336	84	BB
2		5.283	564	109	BB
3		5.414	719	106	BB
4		5.665	874	150	BB
5		5.891	2784	300	BB
6		6.203	2013	356	BB
7		6.407	5365	438	BB
8		6.819	4982	427	BB
9		7.002	404	93	BB
10		7.193	2582	499	BB
11		7.369	2826	488	BB
12	TCX	7.590	623285	98598	BB
13		8.302	10658	1877	BB
14		8.483	7232	753	BB

	Name	RT	Area	Height	Int Type
15		8.819	17284	2499	BB
16		9.010	959	234	BB
17		9.437	4700	1036	BB
18		9.674	8582	944	BB
19		10.030	19872	1340	BB
20		10.538	299132	42408	BB
21		10.827	841	179	BB
22		11.406	5159	489	BB
23		11.573	701	185	BB
24		11.730	1367	269	BB
25		11.893	3659	433	BB
26		12.291	778	136	BB
27		12.475	2053	220	BB
28		12.803	23921	7100	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010054

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		13.884	603	109	BB
30		14.071	1852	279	BB
31		14.375	702	136	BB
32		14.669	9658	1057	BB
33		14.957	212	51	BB
34		15.094	950	139	BB
35		15.442	22572	3173	BB
36		15.655	1433	213	BB
37		16.193	72395	5226	BB
38		16.710	9824	995	BB
39		17.847	16672	1553	BB
40		18.886	5024	614	BB
41		19.161	816	169	BB
42		19.343	3519	794	BB
43		19.478	4432	727	BB
44		19.986	46369	5760	BB

	Name	RT	Area	Height	Int Type
45		20.346	1475	246	BB
46		20.841	32101	4000	BB
47		21.049	497	135	BB
48		21.277	294	98	BB
49		21.402	7666	1787	BB
50		21.540	11785	2573	BB
51		21.918	53233	9409	BB
52		22.147	2105	453	BB
53		22.361	2596	424	BB
54		22.562	686	153	BB
55		22.730	2517	936	BB
56		22.837	35894	8698	BB
57		22.972	5230	1442	BB
58		23.182	36340	7520	BB
59		23.350	3502	877	BB
60		23.493	330	91	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		23.613	341	88	BB
62		23.781	4142	789	BB
63		23.974	117679	24945	BB
64		24.225	15091	3164	BB
65		24.468	24958	3734	BB
66		24.654	2292	463	BB
67		25.007	59746	12884	BB
68		25.237	2118	536	BB
69		25.328	274	114	BB
70		25.574	9619	1473	BB
71		25.758	13014	2949	BB
72		25.958	18580	4246	BB
73		26.322	4784	916	BB
74		26.488	490	119	BB
75		26.684	10028	2199	BB
76		26.872	29406	5743	BB

	Name	RT	Area	Height	Int Type
77		27.256	1907	347	BB
78		27.588	5858	848	BB
79		27.907	12077	1950	BB
80		28.261	10965	1626	BB
81		28.610	931	154	BB
82		29.150	7919	890	BB
83		29.500	1065	215	BB
84		29.692	3931	480	BB
85		30.327	275	45	BB
86	DCB	30.808	419110	46675	BB
87		31.343	1101	138	BB
88		31.716	967	98	BB
89		32.096	6402	496	BB
90		32.546	1114	124	BB
91		32.912	1337	127	BB
92		33.360	4282	252	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010056

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		34.032	716	76	BB
94		34.522	7635	481	BB
95		34.859	939	114	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010057

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

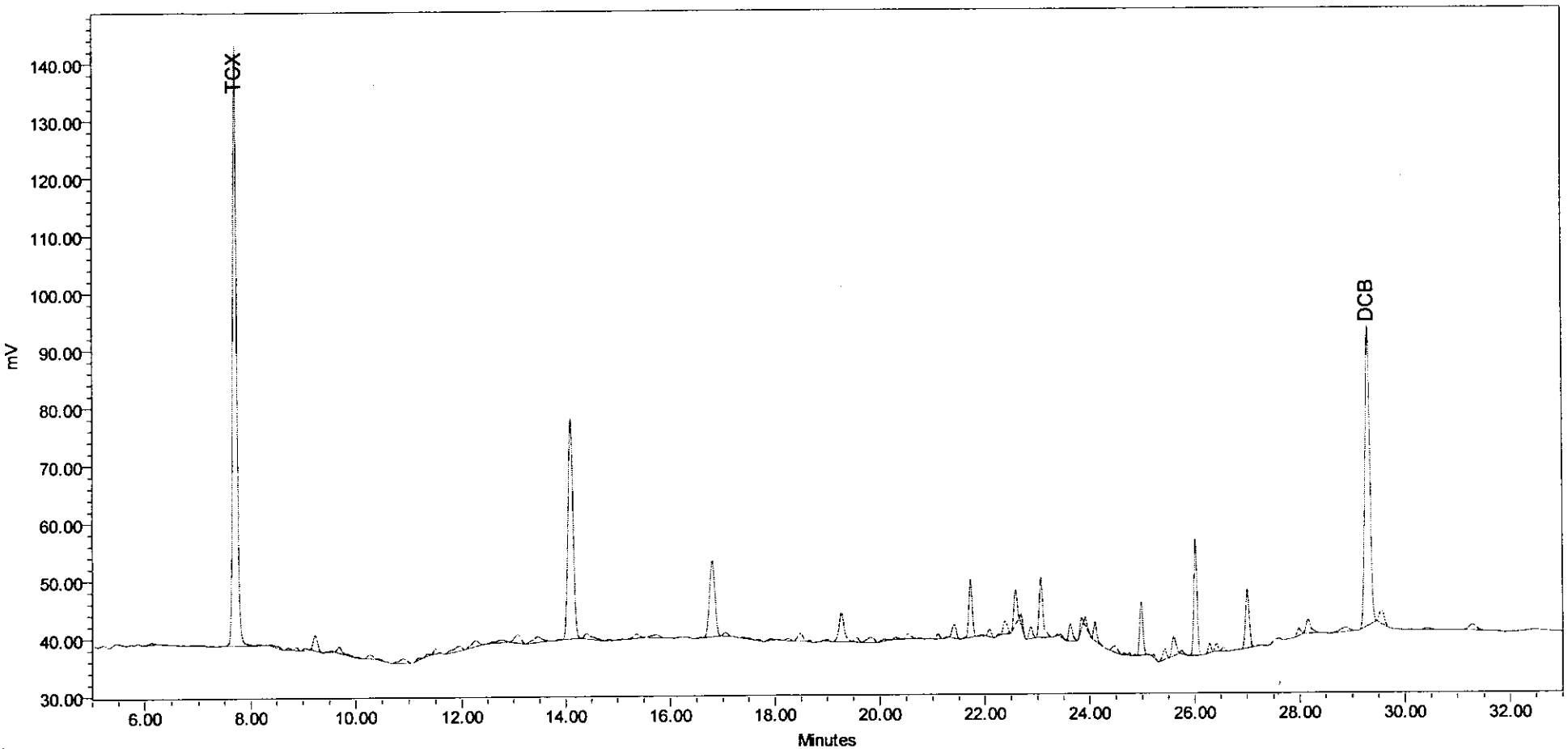
Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004



SampleName 248032 CYCLES 86 Channel SATIN-2 Date Acquired 08/25/04 10:19:12 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010058

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.146	2369	334	BB
2		6.402	329	90	BB
3		6.565	368	82	BB
4		6.957	625	98	BB
5		7.084	558	105	BB
6		7.258	722	163	BB
7	TCX	7.702	534930	104635	BB
8		8.169	1177	176	BB
9		8.530	3629	337	BB
10		8.720	2070	381	BB
11		8.882	2487	552	BB
12		9.046	2167	355	BB
13		9.230	14979	2654	BB
14		9.534	1712	232	BB

	Name	RT	Area	Height	Int Type
15		9.676	8432	1116	BB
16		10.046	500	122	BB
17		10.280	5456	703	BB
18		10.447	825	156	BB
19		10.893	7867	780	BB
20		11.177	2148	425	BB
21		11.343	1887	398	BB
22		11.498	4170	883	BB
23		11.943	10113	831	BB
24		12.264	9936	991	BB
25		12.757	7119	496	BB
26		13.083	12689	1441	BB
27		13.459	12421	1029	BB
28		13.850	491	109	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010059

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		14.101	263846	38186	BB
30		14.409	10300	912	BB
31		14.828	1557	268	BB
32		15.058	804	126	BB
33		15.359	5887	734	BB
34		15.732	5601	539	BB
35		16.161	278	64	BB
36		16.561	662	114	BB
37		16.793	95281	13222	BB
38		17.044	4028	649	BB
39		17.515	1994	188	BB
40		17.691	983	194	BB
41		17.918	2041	296	BB
42		18.258	2535	435	BB
43		18.483	9568	1391	BB
44		18.651	1143	283	BB

	Name	RT	Area	Height	Int Type
45		18.795	403	122	BB
46		19.006	1634	346	BB
47		19.272	34634	4911	BB
48		19.567	4168	772	BB
49		19.831	8817	902	BB
50		20.090	2408	351	BB
51		20.305	2458	349	BB
52		20.535	6165	877	BB
53		20.756	620	150	BB
54		21.101	3662	840	BB
55		21.260	720	193	BB
56		21.408	12969	2353	BB
57		21.729	45511	9921	BB
58		21.943	1525	275	BB
59		22.093	5808	1305	BB
60		22.257	646	234	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010060

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082**

Project: 10780.01.005

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		22.386	12373	2230	BB
62		22.584	25432	5955	BB
63		22.693	5790	1818	BB
64		22.872	9135	2027	BB
65		23.063	52003	10337	BB
66		23.373	623	224	BB
67		23.457	2161	532	BB
68		23.631	14449	2982	BB
69		23.840	6061	1934	BB
70		23.919	5820	1536	BB
71		24.102	13634	3277	BB
72		24.487	8119	1121	BB
73		24.656	1136	351	BB
74		24.752	1279	441	BB
75		24.856	765	271	BB
76		24.979	39254	9264	BB

	Name	RT	Area	Height	Int Type
77		25.123	384	146	BB
78		25.220	1951	578	BB
79		25.424	9094	1893	BB
80		25.595	18921	3419	BB
81		25.752	2517	694	BB
82		26.013	87002	20249	BB
83		26.286	5982	1665	BB
84		26.420	5243	1304	BB
85		26.549	2690	696	BB
86		26.839	285	51	BB
87		27.007	49385	10210	BB
88		27.207	311	104	BB
89		27.313	536	140	BB
90		27.991	5823	1259	BB
91		28.162	16039	2439	BB
92		28.866	9036	782	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010061

CLIENT: Lionville Laboratory, Inc. CYCLES 86 **Method 8082** **Project: 10780.01.005**

SampleName 248032 Inj Vol 1.0 ul

Client_ID B19J44 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 10:19:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93	DCB	29.297	341645	52140	BB
94		29.558	14867	2319	BB
95		30.443	2630	303	BB
96		31.291	10032	1029	BB
97		31.807	363	72	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J45

010062

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00055 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 248033
SwRI ID : 248033
Date Analyzed: 8/25/2004
Date Received: 7/15/2004
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	---------	Aroclor-1016	0.182	U
11104-28-2	---------	Aroclor-1221	0.182	U
11141-16-5	---------	Aroclor-1232	0.182	U
53469-21-9	---------	Aroclor-1242	0.182	U
12672-29-6	---------	Aroclor-1248	0.182	U
11097-69-1	---------	Aroclor-1254	0.182	U
11096-82-5	---------	Aroclor-1260	0.182	U
11100-14-4	---------	AR1268	0.182	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.
E - This flag identifies compounds whose concentration exceed the calibration range.
P - This flag identifies compounds whose RPD exceed 40%
D - Dilution
SOXH - Soxhlet
SEPF - Sep-Funnel
NQ - Not Quantitated. Concentration exceedes calibration.

04G1217T
version 10-03-03

010063

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082** **Project: 10780.01.005**

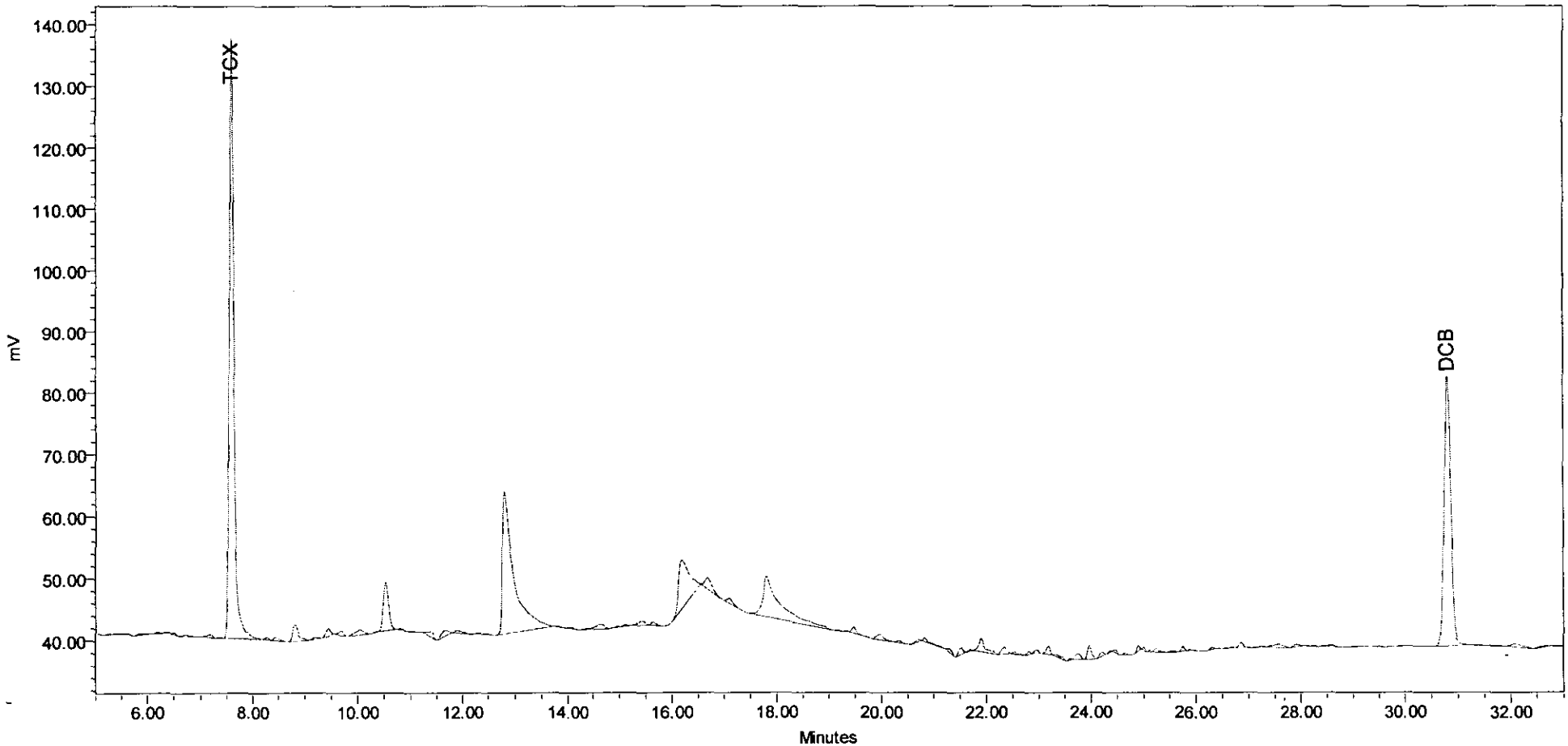
SampleName 248033 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J45 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004



SampleName 248033 CYCLES 88 Channel SATIN Date Acquired 08/25/04 12:01:21 PM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

010064

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082**

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.281	677	120	BB
2		5.419	554	122	BB
3		5.683	236	69	BB
4		5.861	2001	250	BB
5		6.055	214	66	BB
6		6.198	1293	284	BB
7		6.344	742	118	BB
8		6.509	1710	296	BB
9		6.718	2227	246	BB
10		7.194	3730	520	BB
11		7.370	1007	181	BB
12	TCX	7.590	611278	97549	BB
13		8.293	2151	417	BB
14		8.464	4366	538	BB

	Name	RT	Area	Height	Int Type
15		8.812	21079	2680	BB
16		9.212	2608	294	BB
17		9.442	6236	1169	BB
18		9.676	4342	592	BB
19		10.044	10036	843	BB
20		10.337	429	118	BB
21		10.535	53005	7790	BB
22		10.814	1360	229	BB
23		11.031	438	95	BB
24		11.397	6099	798	BB
25		11.633	9814	988	BB
26		11.893	4106	434	BB
27		12.297	599	94	BB
28		12.459	1232	189	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010065

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082**

Project: 10780.01.005

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.810	330604	22816	BB
30		13.801	903	126	BB
31		14.071	1075	204	BB
32		14.635	10023	792	BB
33		14.943	642	143	BB
34		15.106	1247	207	BB
35		15.427	6493	738	BB
36		15.641	3662	555	BB
37		16.183	110333	7874	BB
38		16.690	17205	1837	BB
39		17.110	6180	813	BB
40		17.805	146234	6539	BB
41		19.163	625	133	BB
42		19.335	307	84	BB
43		19.465	5482	923	BB
44		19.976	8798	879	BB

	Name	RT	Area	Height	Int Type
45		20.341	2064	354	BB
46		20.703	2173	387	BB
47		20.838	4793	654	BB
48		21.323	3638	618	BB
49		21.517	5982	1038	BB
50		21.695	1039	242	BB
51		21.914	18053	2145	BB
52		22.355	8270	1059	BB
53		22.528	1802	370	BB
54		22.658	471	159	BB
55		22.810	2168	456	BB
56		22.966	3239	575	BB
57		23.185	6973	1336	BB
58		23.473	4024	399	BB
59		23.605	787	236	BB
60		23.765	6703	943	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

C10066

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082**

Project: 10780.01.005

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		23.975	11907	2247	BB
62		24.210	3385	579	BB
63		24.360	837	233	BB
64		24.473	1949	510	BB
65		24.649	1475	325	BB
66		24.897	3332	885	BB
67		25.003	1513	474	BB
68		25.116	945	307	BB
69		25.244	3550	569	BB
70		25.583	1660	234	BB
71		25.762	3687	894	BB
72		25.883	479	187	BB
73		25.970	314	100	BB
74		26.317	1462	329	BB
75		26.449	306	81	BB
76		26.575	570	162	BB

	Name	RT	Area	Height	Int Type
77		26.690	618	177	BB
78		26.865	4178	812	BB
79		26.994	320	90	BB
80		27.252	1705	191	BB
81		27.573	8544	614	BB
82		27.920	2988	359	BB
83		28.120	225	51	BB
84		28.263	615	139	BB
85		28.599	1574	205	BB
86		29.023	755	115	BB
87		29.506	632	116	BB
88		29.709	311	56	BB
89		29.939	784	111	BB
90		30.136	308	56	BB
91		30.320	341	55	BB
92	DCB	30.807	381146	43761	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010067

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082** **Project: 10780.01.005**

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		31.370	892	100	BB
94		31.724	1721	172	BB
95		32.091	7940	492	BB
96		32.583	1668	183	BB
97		32.898	1388	119	BB
98		33.483	1978	132	BB
99		34.043	1095	114	BB
100		34.375	652	70	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010068

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082** **Project: 10780.01.005**

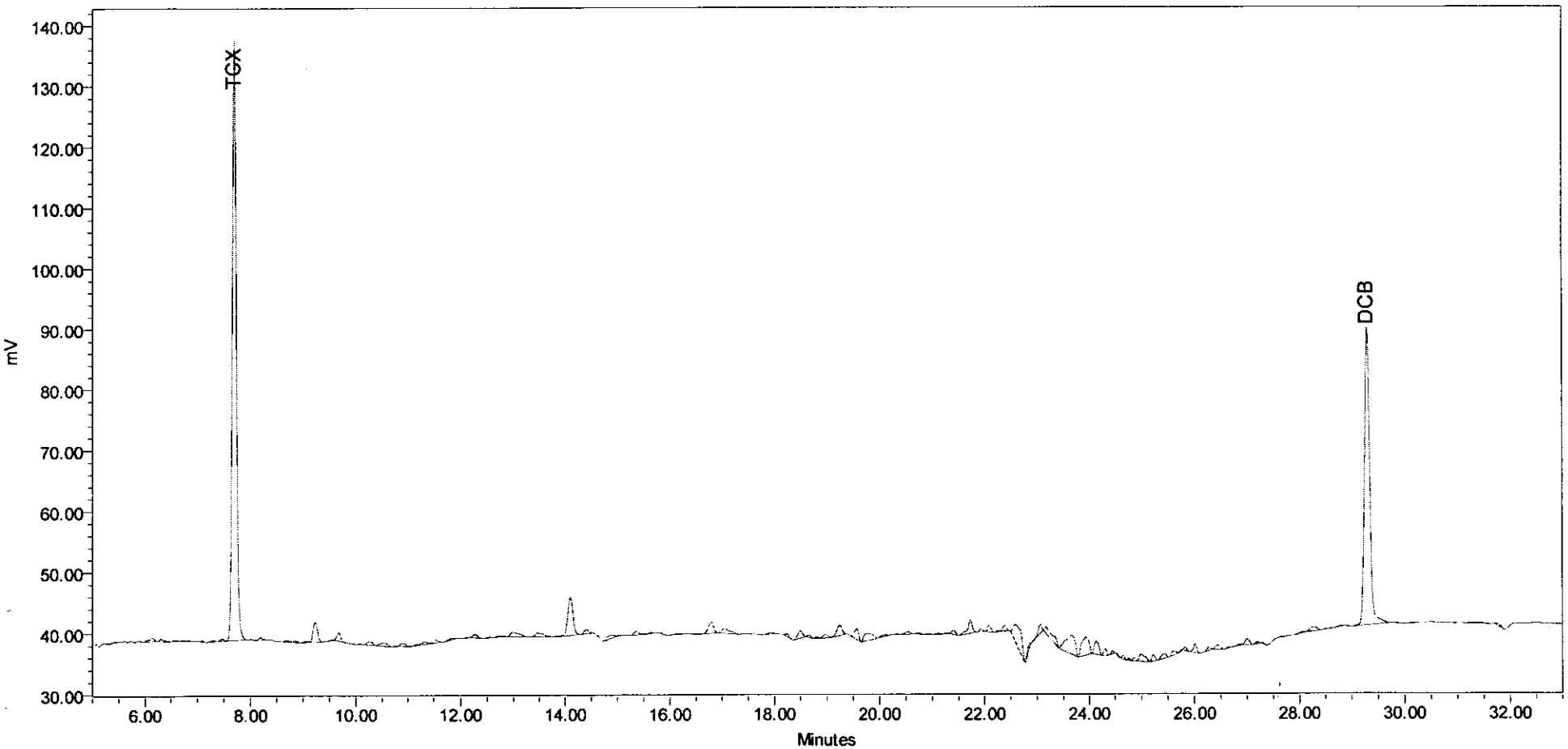
SampleName 248033 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J45 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004



SampleName 248033 CYCLES 88 Channel SATIN-2 Date Acquired 08/25/04 12:01:21 PM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

010069

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082**

Project: 10780.01.005

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.142	4165	611	BB
2		6.310	2381	404	BB
3		6.582	851	212	BB
4		6.718	390	99	BB
5		6.834	236	73	BB
6		7.089	622	158	BB
7		7.283	1009	168	BB
8		7.473	1576	325	BB
9	TCX	7.702	502092	98876	BB
10		8.020	269	82	BB
11		8.193	2062	411	BB
12		8.688	1214	194	BB
13		8.876	1373	292	BB
14		9.061	1080	190	BB

	Name	RT	Area	Height	Int Type
15		9.231	18613	3209	BB
16		9.419	205	74	BB
17		9.541	465	134	BB
18		9.674	6945	1347	BB
19		10.081	455	111	BB
20		10.252	4442	560	BB
21		10.538	5362	521	BB
22		10.897	3685	477	BB
23		11.346	4086	394	BB
24		11.515	3846	620	BB
25		11.836	1860	247	BB
26		11.970	361	87	BB
27		12.117	278	70	BB
28		12.278	3356	520	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010070

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082**

Project: 10780.01.005

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.554	473	98	BB
30		12.740	1673	229	BB
31		12.986	8394	741	BB
32		13.469	6742	609	BB
33		14.102	43646	6253	BB
34		14.405	4087	648	BB
35		14.846	4946	552	BB
36		15.355	4007	599	BB
37		15.623	479	101	BB
38		16.145	876	99	BB
39		16.787	13723	1914	BB
40		17.044	8997	791	BB
41		17.417	586	113	BB
42		17.920	1967	252	BB
43		18.247	2270	423	BB
44		18.489	7734	1225	BB

	Name	RT	Area	Height	Int Type
45		18.657	1848	388	BB
46		18.799	882	224	BB
47		18.966	3262	506	BB
48		19.230	11828	1726	BB
49		19.558	9089	1778	BB
50		19.737	14083	1168	BB
51		20.078	2224	288	BB
52		20.527	2750	405	BB
53		20.748	1217	211	BB
54		20.940	508	75	BB
55		21.107	894	187	BB
56		21.243	507	131	BB
57		21.402	3217	679	BB
58		21.726	12867	2198	BB
59		21.932	2253	492	BB
60		22.092	5091	1137	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010071

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082**

Project: 10780.01.005

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		22.257	624	193	BB
62		22.385	4400	909	BB
63		22.680	36397	3697	BB
64		22.840	4118	1233	BB
65		23.064	6921	1532	BB
66		23.340	13340	1143	BB
67		23.667	37835	3067	BB
68		23.930	29461	2899	BB
69		24.130	13212	2141	BB
70		24.304	4466	1036	BB
71		24.450	1861	542	BB
72		24.537	845	324	BB
73		24.645	2183	637	BB
74		24.753	1096	392	BB
75		24.855	1785	522	BB
76		24.984	9133	1159	BB

	Name	RT	Area	Height	Int Type
77		25.215	4514	1020	BB
78		25.413	5305	794	BB
79		25.602	3873	760	BB
80		25.743	512	218	BB
81		25.821	2070	670	BB
82		26.010	6326	1447	BB
83		26.268	2624	649	BB
84		26.433	4589	728	BB
85		26.649	368	83	BB
86		26.846	1237	272	BB
87		27.007	5893	1026	BB
88		27.202	1468	307	BB
89		27.294	565	166	BB
90		28.051	1328	202	BB
91		28.277	6320	705	BB
92		28.489	305	90	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010072

CLIENT: Lionville Laboratory, Inc. CYCLES 88 **Method 8082** **Project: 10780.01.005**

SampleName 248033 Inj Vol 1.0 ul

Client_ID B19J45 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:01:21 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		28.763	1048	160	BB
94	DCB	29.298	337645	49092	BB
95		29.882	382	57	BB
96		31.332	2352	171	BB
97		31.787	1848	314	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J46

010073

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00053 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 248034
SwRI ID : 248034
Date Analyzed: 8/25/2004
Date Received: 7/15/2004
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	----------	Aroclor-1016	0.189	U
11104-28-2	----------	Aroclor-1221	0.189	U
11141-16-5	----------	Aroclor-1232	0.189	U
53469-21-9	----------	Aroclor-1242	0.189	U
12672-29-6	----------	Aroclor-1248	0.189	U
11097-69-1	----------	Aroclor-1254	0.189	U
11096-82-5	----------	Aroclor-1260	0.189	U
11100-14-4	----------	AR1268	0.189	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.
E - This flag identifies compounds whose concentration exceed the calibration range.
P - This flag identifies compounds whose RPD exceed 40%
D - Dilution
SOXH - Soxhlet
SEPF - Sep-Funnel
NQ - Not Quantitated. Concentration exceedes calibration.

010074

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

Project: 10780.01.005

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

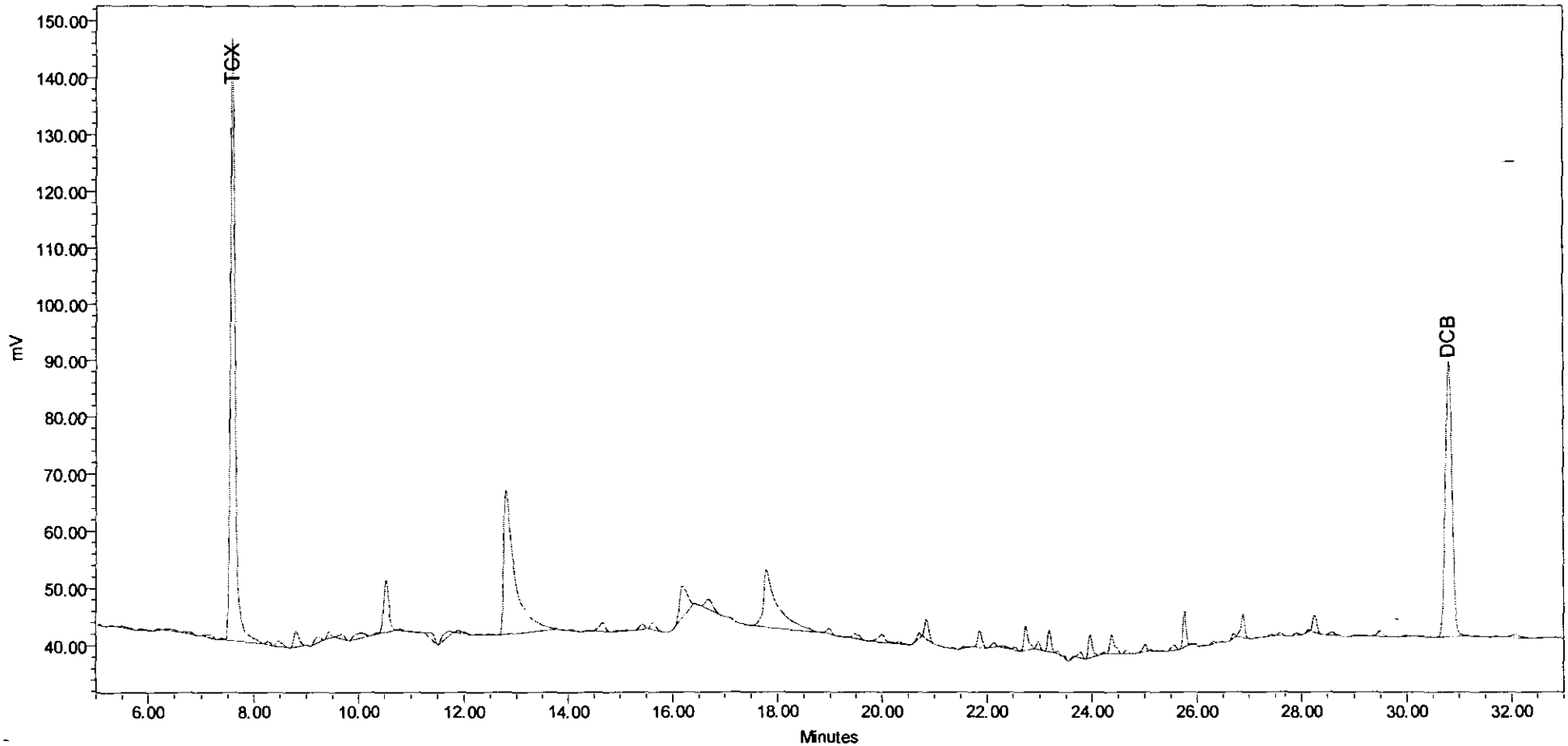
Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004



SampleName 248034 CYCLES 91 Channel SATIN Date Acquired 08/25/04 2:34:33 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010075

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

Project: 10780.01.005

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.073	728	160	BB
2		5.306	1056	201	BB
3		5.520	3547	324	BB
4		5.864	1462	220	BB
5		6.024	321	69	BB
6		6.197	1568	291	BB
7		6.410	3975	300	BB
8		6.794	3597	299	BB
9		7.168	5016	577	BB
10		7.373	1475	273	BB
11	TCX	7.587	671215	106185	BB
12		8.280	3393	600	BB
13		8.465	8246	922	BB
14		8.808	19218	2734	BB

	Name	RT	Area	Height	Int Type
15		9.210	8820	1087	BB
16		9.439	5684	1122	BB
17		9.672	6655	828	BB
18		10.037	13265	913	BB
19		10.534	63806	9070	BB
20		10.802	1349	248	BB
21		11.007	604	116	BB
22		11.180	291	61	BB
23		11.403	9681	1261	BB
24		11.613	12047	1043	BB
25		11.896	4533	435	BB
26		12.296	923	149	BB
27		12.461	1417	201	BB
28		12.806	374106	25147	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010076

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

Project: 10780.01.005

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		14.062	1396	255	BB
30		14.348	485	110	BB
31		14.670	12940	1466	BB
32		14.948	650	145	BB
33		15.101	1037	184	BB
34		15.424	6772	929	BB
35		15.631	9830	1384	BB
36		16.173	56011	5607	BB
37		16.438	687	165	BB
38		16.691	17518	1823	BB
39		17.793	184600	10081	BB
40		18.977	5784	896	BB
41		19.177	408	108	BB
42		19.328	277	83	BB
43		19.463	8068	868	BB
44		20.002	13502	1372	BB

	Name	RT	Area	Height	Int Type
45		20.331	2469	356	BB
46		20.703	4609	1027	BB
47		20.848	19425	3503	BB
48		21.363	680	156	BB
49		21.543	1389	320	BB
50		21.677	299	75	BB
51		21.863	17284	3038	BB
52		22.127	4492	829	BB
53		22.323	2633	321	BB
54		22.537	2416	560	BB
55		22.741	23018	4158	BB
56		22.971	5746	1337	BB
57		23.184	17319	3697	BB
58		23.333	1961	437	BB
59		23.477	1220	374	BB
60		23.613	1164	315	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010077

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082** **Project: 10780.01.005**

SampleName 248034 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J46 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		23.784	5748	1073	BB
62		23.969	21605	3996	BB
63		24.216	1111	242	BB
64		24.375	21107	3333	BB
65		24.648	3044	639	BB
66		25.006	6604	1349	BB
67		25.121	1013	316	BB
68		25.228	259	74	BB
69		25.336	336	99	BB
70		25.560	5665	928	BB
71		25.760	26378	6272	BB
72		25.893	789	174	BB
73		26.110	425	101	BB
74		26.310	2012	449	BB
75		26.457	558	133	BB
76		26.702	3348	812	BB

	Name	RT	Area	Height	Int Type
77		26.888	20464	3954	BB
78		27.150	395	100	BB
79		27.425	1419	278	BB
80		27.585	3084	517	BB
81		27.907	2644	393	BB
82		28.127	1290	375	BB
83		28.261	16079	2991	BB
84		28.591	4211	565	BB
85		29.023	600	97	BB
86		29.503	7411	1050	BB
87		29.980	1492	186	BB
88		30.284	245	45	BB
89	DCB	30.807	423524	48173	BB
90		31.339	729	89	BB
91		31.685	1156	134	BB
92		32.079	6624	468	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010078

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

Project: 10780.01.005

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		32.561	302	43	BB
94		32.841	1221	132	BB
95		33.158	208	24	BB
96		34.516	7083	445	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010079

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082** **Project: 10780.01.005**

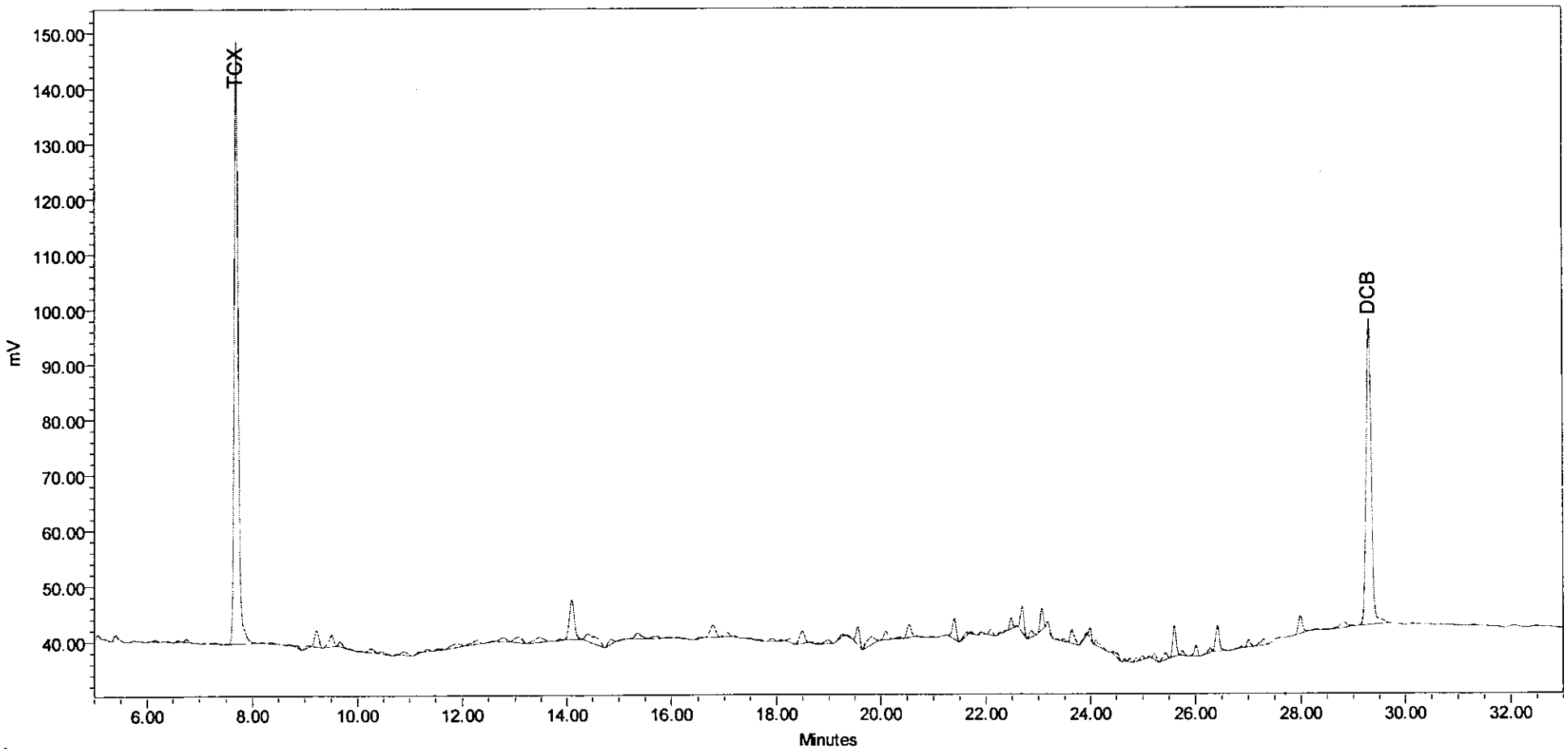
SampleName 248034 Inj Vol 1.0 ul Case: F04-025

Client_ID B19J46 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004



SampleName 248034 CYCLES 91 Channel SATIN-2 Date Acquired 08/25/04 2:34:33 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010080

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

Project: 10780.01.005

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.148	1358	274	BB
2		6.403	668	141	BB
3		6.597	1262	329	BB
4		6.754	2678	535	BB
5		7.089	362	92	BB
6		7.291	1755	203	BB
7	TCX	7.699	566665	109047	BB
8		8.197	906	157	BB
9		8.372	1648	265	BB
10		8.718	1440	242	BB
11		8.873	1680	404	BB
12		9.050	2566	419	BB
13		9.228	16425	2970	BB
14		9.512	12823	2088	BB

	Name	RT	Area	Height	Int Type
15		9.674	5035	946	BB
16		10.048	819	175	BB
17		10.266	5134	677	BB
18		10.470	3724	419	BB
19		10.740	457	136	BB
20		10.895	5012	590	BB
21		11.167	1071	225	BB
22		11.347	2610	441	BB
23		11.524	2413	272	BB
24		11.868	8787	607	BB
25		12.278	7192	763	BB
26		12.552	404	60	BB
27		12.778	5667	675	BB
28		13.074	9752	977	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010081

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

Project: 10780.01.005

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		13.453	11238	900	BB
30		13.859	1427	262	BB
31		14.098	49154	7174	BB
32		14.427	23561	1308	BB
33		14.833	6041	915	BB
34		15.043	617	104	BB
35		15.363	8427	981	BB
36		15.710	3916	437	BB
37		15.937	1095	157	BB
38		16.141	954	211	BB
39		16.523	1390	226	BB
40		16.786	16245	2210	BB
41		17.039	5543	812	BB
42		17.207	478	107	BB
43		17.492	1714	237	BB
44		17.677	1243	211	BB

	Name	RT	Area	Height	Int Type
45		17.917	3225	497	BB
46		18.088	658	150	BB
47		18.260	3745	635	BB
48		18.492	14797	2160	BB
49		18.667	852	235	BB
50		18.789	414	155	BB
51		18.989	5120	658	BB
52		19.237	2972	508	BB
53		19.390	1194	261	BB
54		19.559	16046	3181	BB
55		19.822	15666	1423	BB
56		20.095	8276	1469	BB
57		20.358	1733	312	BB
58		20.538	12302	2302	BB
59		20.777	815	112	BB
60		20.963	715	141	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010082

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

Project: 10780.01.005

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		21.395	19346	3680	BB
62		21.620	3846	620	BB
63		21.727	1177	329	BB
64		21.905	2645	409	BB
65		22.095	4780	983	BB
66		22.269	1169	341	BB
67		22.367	666	240	BB
68		22.480	6897	1967	BB
69		22.583	356	161	BB
70		22.686	20742	4706	BB
71		22.861	6008	1178	BB
72		23.063	16103	3965	BB
73		23.172	6059	1579	BB
74		23.367	399	135	BB
75		23.488	2033	452	BB
76		23.635	14163	2520	BB

	Name	RT	Area	Height	Int Type
77		23.910	2049	536	BB
78		23.990	6245	1884	BB
79		24.104	6690	886	BB
80		24.523	4912	825	BB
81		24.653	1584	535	BB
82		24.750	2261	723	BB
83		24.862	2211	657	BB
84		24.980	2871	779	BB
85		25.111	1054	323	BB
86		25.217	4506	1111	BB
87		25.424	6767	1249	BB
88		25.597	23328	5519	BB
89		25.752	3159	819	BB
90		26.012	8635	1998	BB
91		26.277	3467	864	BB
92		26.416	22819	4556	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010083

CLIENT: Lionville Laboratory, Inc. CYCLES 91 **Method 8082**

SampleName 248034 Inj Vol 1.0 ul

Client_ID B19J46 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 2:34:33 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		26.863	1794	272	BB
94		27.007	6080	1249	BB
95		27.289	7019	1086	BB
96		27.990	17758	3220	BB
97		28.294	1062	194	BB
98		28.474	551	106	BB
99		28.803	10310	1155	BB
100	DCB	29.297	377868	55438	BB
101		30.145	202	61	BB
102		31.290	1098	155	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010084

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Lionville Laboratory, Inc.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028
CASE: F04-025
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

STANDARD DATA

Method 8082 INITIAL CALIBRATION OF SINGLE-COMPONENT ANALYTES

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case No.: F04-025 SDG No.: 248028

Instrument ID: gc12 Level Std1: 1 Std2: 2 Std3: 4 Std4: 8 Std5: 16 Std6: 32

GC Column: JW DB-608 X (0.53mm)ID Dates Analyzed: 8/17/2004

COMPOUND	RT of STANDARD Low	Mid	High	MEAN RT	RT WINDOW FROM	TO
AR1016-A	10.91	10.90	10.90	10.90	10.85	10.95
AR1016-B	13.11	13.11	13.11	13.11	13.06	13.16
AR1016-1	14.26	14.25	14.25	14.25	14.20	14.30
AR1016-2	15.13	15.12	15.12	15.12	15.07	15.17
AR1016-C	16.00	16.00	16.00	16.00	15.95	16.05
AR1016-3	16.73	16.73	16.73	16.73	16.68	16.78
AR1016-4	16.95	16.95	16.94	16.95	16.90	17.00
AR1016-D	18.01	18.02	18.01	18.01	17.96	18.06
AR1016-5	18.80	18.81	18.80	18.80	18.75	18.85
AR1016-E	19.38	19.39	19.38	19.38	19.33	19.43
AR1260-1	24.48	24.48	24.48	24.48	24.43	24.53
AR1260-A	24.65	24.65	24.65	24.65	24.60	24.70
AR1260-2	25.00	25.00	25.00	25.00	24.95	25.05
AR1260-B	25.41	25.41	25.41	25.41	25.36	25.46
AR1260-C	25.62	25.62	25.62	25.62	25.57	25.67
AR1260-D	25.77	25.77	25.77	25.77	25.72	25.82
AR1260-E	26.70	26.70	26.69	26.70	26.65	26.75
AR1260-3	26.91	26.90	26.90	26.90	26.85	26.95
AR1260-4	28.28	28.28	28.28	28.28	28.23	28.33
AR1260-5	29.53	29.53	29.52	29.53	29.48	29.58
TCX	7.60	7.60	7.60	7.60	7.55	7.65
DCB	30.83	30.83	30.83	30.83	30.78	30.88

FORM VI Retention Time Windows are approx.(+/-) 3 times the standard deviation from the mean for all compounds. If the windows are small or are zero they were adjusted,per method, to a reasonable size.Therefore these windows were adjusted +/- 0.05 for most analytes.

Method 8082 INITIAL CALIBRATION OF SINGLE-COMPONENT ANALYTES

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005
Lab Code: SwRI Case #: F04-025 SDG #: 248028
Instrument ID: gc12 Level: Std1: 1 Std2: 2 Std3: 4 Std4: 8 Std5: 16 Std6: 32
GC Column: JW DB-608 X (0.53mm)ID Dates Analyzed: 8/17/2004

COMPOUND	Calibration Factors 1	2	3	4	5	6	Mean Cal Factor	%RSD
AR1016-A	285080	250710	266105	235642	226501	225161	248200	9.6
AR1016-B	770620	670020	700480	604427	560501	539681	640955	13.8
AR1016-1	190380	168420	180315	162860	159984	164612	171095	6.9
AR1016-2	1329120	1161860	1250595	1093390	1022474	1011262	1144784	11.1
AR1016-C	414540	367460	375095	335512	321559	324261	356404	10.1
AR1016-3	172780	155420	155335	142697	141606	148544	152730	7.5
AR1016-4	239980	204400	209730	182170	167037	161689	194168	15.2
AR1016-D	46680	50680	39515	35102	34231	35787	40332	16.9
AR1016-5	73720	63220	66715	61245	58250	60085	63872	8.8
AR1016-E	58660	51610	53570	49440	48386	50931	52100	7.1
AR1260-1	204700	177340	171830	148967	132301	134277	161569	17.5
AR1260-A	186000	171580	169500	151175	142050	153369	162279	10.0
AR1260-2	71820	64230	58105	53670	53670	57006	59750	11.8
AR1260-B	295500	258340	263765	231417	212302	221399	247120	12.6
AR1260-C	176660	164170	162400	142617	131084	140639	152928	11.4
AR1260-D	862700	646700	750865	666370	604972	645198	696134	13.6
AR1260-E	128340	121360	116875	106895	99015	108822	113551	9.4
AR1260-3	245680	233270	218240	195657	181259	198672	212130	11.6
AR1260-4	125540	117790	115480	107097	101629	112884	113403	7.4
AR1260-5	65880	63990	65935	63657	63924	72817	66034	5.3
TCX	15535600	13238600	14093250	12227638	11479350	11418003	12998740	12.4
DCB	9574800	8463750	8467400	7307663	6695050	6983600	7915378	13.9

Average %RSD --> 11.1

FORM VIE Average %RSD must be less than or equal to 20% for all compounds. * Values outside of QC limits. L(Linear); Q(Quadratic)Calibration was used.

Method 8082 INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES **010087**

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
Instrument ID:	gc12	GC Column:	JW DB-608 X (0.53mm)ID	Date Analyzed:	8/17/2004

COMPOUND	Amount (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
AR1221	0.4000	1	6.50	6.43	6.57	175148
		2	9.81	9.74	9.88	301268
		3	10.57	10.50	10.64	178870
		4	10.90	10.83	10.97	524002
		5	11.19	11.12	11.26	65648
AR1232	0.4000	A	6.50	6.43	6.57	51490
		B	10.58	10.51	10.65	66555
		1	10.90	10.83	10.97	242078
		C	13.11	13.04	13.18	242730
		D	14.49	14.42	14.56	10495
		2	14.66	14.59	14.73	79082
		3	15.12	15.05	15.19	428662
		4	16.00	15.93	16.07	133110
		5	16.73	16.66	16.80	58978
		E	16.94	16.87	17.01	63702
AR1242	0.4000	A	10.57	10.50	10.64	41078
		1	10.90	10.83	10.97	197662
		2	13.11	13.04	13.18	473800
		B	13.70	13.63	13.77	44398
		C	14.24	14.17	14.31	106268
		D	14.66	14.59	14.73	158652
		3	15.12	15.05	15.19	848798
		4	16.00	15.93	16.07	264480
		E	16.73	16.66	16.80	116040
		5	16.94	16.87	17.01	137388
AR1248	0.4000	1	13.11	13.04	13.18	240452
		A	14.25	14.18	14.32	58775
		B	15.12	15.05	15.19	633600
		2	16.00	15.93	16.07	128108
		C	16.35	16.28	16.42	47020
		3	16.73	16.66	16.80	49562
		4	17.52	17.45	17.59	60952
		D	18.80	18.73	18.87	67012
		5	19.39	19.32	19.46	47350
		E	21.08	21.01	21.15	286332

Method 8082 INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
Instrument ID:	gc12	GC Column:	JW DB-608 X (0.53mm)ID	Date Analyzed:	8/17/2004

COMPOUND	Amount (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
AR1254	0.4000	A	18.63	18.56	18.70	163628
		1	19.82	19.75	19.89	130818
		2	20.05	19.98	20.12	32728
		3	20.89	20.82	20.96	145878
		4	21.52	21.45	21.59	172792
		B	21.82	21.75	21.89	147998
		C	22.02	21.95	22.09	229565
		D	22.22	22.15	22.29	40430
		5	22.75	22.68	22.82	128525
		E	23.96	23.89	24.03	31660
AR1268	0.4000	A	24.48	24.41	24.55	208522
		1	25.62	25.55	25.69	70780
		B	25.77	25.70	25.84	97588
		D	26.69	26.62	26.76	604770
		E	26.81	26.74	26.88	487595
		2	27.61	27.54	27.68	875705
		3	27.97	27.90	28.04	216902
		4	28.28	28.21	28.35	346960
		5	29.52	29.45	29.59	2687120

Method 8082 CONTINUING CALIBRATION SUMMARY

010089

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-608 X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: ICV @ 0.40 ug/mL Date Analyzed: 8/18/2004

Lab Sample No.: ICV @ 0.40 ug/mL Time Analyzed: 08:37:50

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-A	10.90	10.85	10.95		0.385	0.400	3.8	
AR1016-B	13.11	13.06	13.16		0.384	0.400	4.0	
AR1016-1	14.25	14.20	14.30		0.390	0.400	2.5	
AR1016-2	15.12	15.07	15.17		0.392	0.400	2.0	
AR1016-C	16.00	15.95	16.05		0.385	0.400	3.8	
AR1016-3	16.73	16.68	16.78		0.384	0.400	4.0	
AR1016-4	16.94	16.90	17.00		0.384	0.400	4.0	
AR1016-D	18.01	17.96	18.06		0.361	0.400	9.8	
AR1016-5	18.80	18.75	18.85		0.395	0.400	1.3	
AR1016-E	19.38	19.33	19.43		0.394	0.400	1.5	
AR1260-1	24.48	24.43	24.53		0.380	0.400	5.0	
AR1260-A	24.65	24.60	24.70		0.392	0.400	2.0	
AR1260-2	25.00	24.95	25.05		0.400	0.400	0	
AR1260-B	25.41	25.36	25.46		0.395	0.400	1.3	
AR1260-C	25.62	25.57	25.67		0.392	0.400	2.0	
AR1260-D	25.77	25.72	25.82		0.392	0.400	2.0	
AR1260-E	26.69	26.65	26.75		0.399	0.400	0.3	
AR1260-3	26.90	26.85	26.95		0.382	0.400	4.5	
AR1260-4	28.28	28.23	28.33		0.393	0.400	1.8	
AR1260-5	29.52	29.48	29.58		0.404	0.400	1.0	
TCX	7.60	7.55	7.65		0.0765	0.0800	4.4	
DCB	30.83	30.78	30.88		0.0770	0.0800	3.8	

Average %Diff. --> 2.9

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

FORM VII-E

Method 8082 CONTINUING CALIBRATION SUMMARY

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-608 X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_10 Date Analyzed: 8/24/2004

Lab Sample No.: CCV_10 Time Analyzed: 15:34:51

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-A	10.90	10.85	10.95		0.419	0.400	4.8	
AR1016-B	13.10	13.06	13.16		0.436	0.400	9.0	
AR1016-1	14.24	14.20	14.30		0.439	0.400	9.8	
AR1016-2	15.12	15.07	15.17		0.419	0.400	4.8	
AR1016-C	16.00	15.95	16.05		0.388	0.400	3.0	
AR1016-3	16.73	16.68	16.78		0.347	0.400	13.3	
AR1016-4	16.93	16.90	17.00		0.414	0.400	3.5	
AR1016-D	18.00	17.96	18.06		0.401	0.400	0.3	
AR1016-5	18.79	18.75	18.85		0.413	0.400	3.3	
AR1016-E	19.37	19.33	19.43		0.416	0.400	4.0	
AR1260-1	24.48	24.43	24.53		0.402	0.400	0.5	
AR1260-A	24.64	24.60	24.70		0.374	0.400	6.5	
AR1260-2	24.99	24.95	25.05		0.381	0.400	4.8	
AR1260-B	25.41	25.36	25.46		0.405	0.400	1.3	
AR1260-C	25.61	25.57	25.67		0.385	0.400	3.8	
AR1260-D	25.77	25.72	25.82		0.400	0.400	0	
AR1260-E	26.69	26.65	26.75		0.370	0.400	7.5	
AR1260-3	26.90	26.85	26.95		0.363	0.400	9.3	
AR1260-4	28.27	28.23	28.33		0.378	0.400	5.5	
AR1260-5	29.52	29.48	29.58		0.435	0.400	8.8	
TCX	7.59	7.55	7.65		0.0908	0.0800	13.5	
DCB	30.81	30.78	30.88		0.0837	0.0800	4.6	

Average %Diff. --> 5.5

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

FORM VII-E

Method 8082 CONTINUING CALIBRATION SUMMARY

010091

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-608 X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_11 Date Analyzed: 8/25/2004

Lab Sample No.: CCV_11 Time Analyzed: 03:30:29

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-A	10.90	10.85	10.95		0.419	0.400	4.8	
AR1016-B	13.10	13.06	13.16		0.431	0.400	7.8	
AR1016-1	14.24	14.20	14.30		0.434	0.400	8.5	
AR1016-2	15.12	15.07	15.17		0.426	0.400	6.5	
AR1016-C	15.99	15.95	16.05		0.403	0.400	0.8	
AR1016-3	16.72	16.68	16.78		0.381	0.400	4.8	
AR1016-4	16.93	16.90	17.00		0.416	0.400	4.0	
AR1016-D	18.00	17.96	18.06		0.387	0.400	3.3	
AR1016-5	18.79	18.75	18.85		0.414	0.400	3.5	
AR1016-E	19.37	19.33	19.43		0.411	0.400	2.8	
AR1260-1	24.48	24.43	24.53		0.403	0.400	0.8	
AR1260-A	24.65	24.60	24.70		0.388	0.400	3.0	
AR1260-2	24.99	24.95	25.05		0.394	0.400	1.5	
AR1260-B	25.41	25.36	25.46		0.414	0.400	3.5	
AR1260-C	25.61	25.57	25.67		0.393	0.400	1.8	
AR1260-D	25.77	25.72	25.82		0.415	0.400	3.8	
AR1260-E	26.69	26.65	26.75		0.393	0.400	1.8	
AR1260-3	26.90	26.85	26.95		0.392	0.400	2.0	
AR1260-4	28.27	28.23	28.33		0.399	0.400	0.3	
AR1260-5	29.52	29.48	29.58		0.455	0.400	13.8	
TCX	7.59	7.55	7.65		0.0878	0.0800	9.8	
DCB	30.81	30.78	30.88		0.0861	0.0800	7.6	

Average %Diff. --> 4.4

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

Method 8082 CONTINUING CALIBRATION SUMMARY

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-608 X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_12 Date Analyzed: 8/25/2004

Lab Sample No.: CCV_12 Time Analyzed: 13:43:28

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-A	10.90	10.85	10.95		0.409	0.400	2.3	
AR1016-B	13.10	13.06	13.16		0.416	0.400	4.0	
AR1016-1	14.24	14.20	14.30		0.419	0.400	4.8	
AR1016-2	15.11	15.07	15.17		0.415	0.400	3.8	
AR1016-C	15.99	15.95	16.05		0.391	0.400	2.3	
AR1016-3	16.72	16.68	16.78		0.374	0.400	6.5	
AR1016-4	16.93	16.90	17.00		0.403	0.400	0.8	
AR1016-D	18.00	17.96	18.06		0.375	0.400	6.3	
AR1016-5	18.80	18.75	18.85		0.403	0.400	0.8	
AR1016-E	19.37	19.33	19.43		0.403	0.400	0.8	
AR1260-1	24.47	24.43	24.53		0.384	0.400	4.0	
AR1260-A	24.64	24.60	24.70		0.372	0.400	7.0	
AR1260-2	24.99	24.95	25.05		0.374	0.400	6.5	
AR1260-B	25.40	25.36	25.46		0.396	0.400	1.0	
AR1260-C	25.61	25.57	25.67		0.376	0.400	6.0	
AR1260-D	25.77	25.72	25.82		0.399	0.400	0.3	
AR1260-E	26.69	26.65	26.75		0.362	0.400	9.5	
AR1260-3	26.90	26.85	26.95		0.370	0.400	7.5	
AR1260-4	28.27	28.23	28.33		0.373	0.400	6.8	
AR1260-5	29.52	29.48	29.58		0.420	0.400	5.0	
TCX	7.59	7.55	7.65		0.0846	0.0800	5.8	
DCB	30.81	30.78	30.88		0.0824	0.0800	3.0	

Average %Diff. --> 4.3

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

FORM VII-E

Method 8082 CONTINUING CALIBRATION SUMMARY

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-608 X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_13 Date Analyzed: 8/25/2004

Lab Sample No.: CCV_13 Time Analyzed: 16:16:41

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-A	10.90	10.85	10.95		0.437	0.400	9.3	
AR1016-B	13.10	13.06	13.16		0.442	0.400	10.5	
AR1016-1	14.24	14.20	14.30		0.446	0.400	11.5	
AR1016-2	15.11	15.07	15.17		0.438	0.400	9.5	
AR1016-C	15.99	15.95	16.05		0.414	0.400	3.5	
AR1016-3	16.72	16.68	16.78		0.397	0.400	0.8	
AR1016-4	16.93	16.90	17.00		0.427	0.400	6.8	
AR1016-D	18.00	17.96	18.06		0.391	0.400	2.3	
AR1016-5	18.79	18.75	18.85		0.423	0.400	5.8	
AR1016-E	19.37	19.33	19.43		0.421	0.400	5.3	
AR1260-1	24.48	24.43	24.53		0.397	0.400	0.8	
AR1260-A	24.64	24.60	24.70		0.380	0.400	5.0	
AR1260-2	24.99	24.95	25.05		0.383	0.400	4.3	
AR1260-B	25.41	25.36	25.46		0.404	0.400	1.0	
AR1260-C	25.61	25.57	25.67		0.383	0.400	4.3	
AR1260-D	25.77	25.72	25.82		0.405	0.400	1.3	
AR1260-E	26.69	26.65	26.75		0.372	0.400	7.0	
AR1260-3	26.90	26.85	26.95		0.373	0.400	6.8	
AR1260-4	28.27	28.23	28.33		0.375	0.400	6.3	
AR1260-5	29.52	29.48	29.58		0.424	0.400	6.0	
TCX	7.59	7.55	7.65		0.0899	0.0800	12.4	
DCB	30.82	30.78	30.88		0.0819	0.0800	2.4	

Average %Diff. --> 5.6

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

Method 8082 ANALYTICAL SEQUENCE

010094

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
GC Column:	JW DB-608 X (0.53mm)ID			Instrument ID:	gc12
				Init Calibration Date:	8/17/2004

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS SAMPLES, AND STANDARDS IS GIVEN BELOW :

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.60 DCB: 30.83

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	Surrogate 1 RT	Surrogate 2 RT
1	AR1221 @ 0.40 ug/mL	AR1221 @ 0.40 ug/mL	8/17/2004	21:33:34	7.59	30.83
2	AR1232 @ 0.40 ug/mL	AR1232 @ 0.40 ug/mL	8/17/2004	22:24:41	7.59	30.83
3	AR1242 @ 0.40 ug/mL	AR1242 @ 0.40 ug/mL	8/17/2004	23:15:47	7.59	30.82
4	AR1248 @ 0.40 ug/mL	AR1248 @ 0.40 ug/mL	8/18/2004	00:06:51	7.59	30.83
5	AR1254 @ 0.40 ug/mL	AR1254 @ 0.40 ug/mL	8/18/2004	00:57:58	7.60	30.83
6	AR1268 @ 0.40 ug/mL	AR1268 @ 0.40 ug/mL	8/18/2004	01:49:06	7.60	30.83
7	AR1660 @ 0.05 ug/mL	AR1660 @ 0.05 ug/mL	8/18/2004	02:40:14	7.60	30.83
8	AR1660 @ 0.10 ug/mL	AR1660 @ 0.10 ug/mL	8/18/2004	03:31:15	7.60	30.83
9	AR1660 @ 0.20 ug/mL	AR1660 @ 0.20 ug/mL	8/18/2004	04:22:23	7.60	30.83
10	AR1660 @ 0.40 ug/mL	AR1660 @ 0.40 ug/mL	8/18/2004	05:13:26	7.60	30.83
11	AR1660 @ 0.80ug/mL	AR1660 @ 0.80ug/mL	8/18/2004	06:04:35	7.60	30.82
12	AR1660 @ 1.60 ug/mL	AR1660 @ 1.60 ug/mL	8/18/2004	06:55:39	7.60	30.83
13	ZZZZZ	ZZZZZ	8/18/2004	07:46:45		
14	ICV @ 0.40 ug/mL	ICV @ 0.40 ug/mL	8/18/2004	08:37:50	7.60	30.83
15	CCV_10	CCV_10	8/24/2004	15:34:51	7.59	30.81
16	ZZZZZ	ZZZZZ	8/24/2004	16:26:00		
17	ZZZZZ	ZZZZZ	8/24/2004	17:17:10		
18	LAB BLANK	249799	8/24/2004	18:08:18	7.59	30.81
19	LCS	249800	8/24/2004	18:59:24	7.59	30.81
20	B19J43	248031	8/24/2004	19:50:33	7.59	30.82
21	ZZZZZ	ZZZZZ	8/24/2004	20:41:38		
22	ZZZZZ	ZZZZZ	8/24/2004	21:32:48		
23	B19J43MS	248031MS	8/24/2004	22:23:53	7.59	30.81
24	ZZZZZ	ZZZZZ	8/24/2004	23:14:59		
25	ZZZZZ	ZZZZZ	8/25/2004	00:06:05		
26	B19J43MSD	248031MSD	8/25/2004	00:57:12	7.59	30.81
27	ZZZZZ	ZZZZZ	8/25/2004	01:48:20		
28	ZZZZZ	ZZZZZ	8/25/2004	02:39:27		
29	CCV_11	CCV_11	8/25/2004	03:30:29	7.59	30.81
30	B19J40	248028	8/25/2004	04:21:35	7.59	30.81
31	ZZZZZ	ZZZZZ	8/25/2004	05:12:40		
32	ZZZZZ	ZZZZZ	8/25/2004	06:03:47		

ZZZZZ = These injections were not used to analyze this data.
NS = Not Spiked
I or I* = Interference peak
D or D* = Diluted Out

Method 8082 ANALYTICAL SEQUENCE

010095

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
GC Column:	JW DB-608 X (0.53mm)ID			Instrument ID:	gc12
				Init Calibration Date:	8/17/2004

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS SAMPLES, AND STANDARDS IS GIVEN BELOW :

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.60 DCB: 30.83

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	Surrogate 1 RT	Surrogate 2 RT
33	B19J41	248029	8/25/2004	06:54:52	7.59	30.81
34	ZZZZZ	ZZZZZ	8/25/2004	07:45:57		
35	B19J42	248030	8/25/2004	08:37:01	7.59	30.81
36	ZZZZZ	ZZZZZ	8/25/2004	09:28:08		
37	B19J44	248032	8/25/2004	10:19:12	7.59	30.81
38	ZZZZZ	ZZZZZ	8/25/2004	11:10:17		
39	B19J45	248033	8/25/2004	12:01:21	7.59	30.81
40	ZZZZZ	ZZZZZ	8/25/2004	12:52:24		
41	CCV_12	CCV_12	8/25/2004	13:43:28	7.59	30.81
42	B19J46	248034	8/25/2004	14:34:33	7.59	30.81
43	ZZZZZ	ZZZZZ	8/25/2004	15:25:37		
44	CCV_13	CCV_13	8/25/2004	16:16:41	7.59	30.82

ZZZZZ = These injections were not used to analyze this data.
NS = Not Spiked
I or I* = Interference peak
D or D* = Diluted Out

Method 8082 INITIAL CALIBRATION OF SINGLE-COMPONENT ANALYTES

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case No.: F04-025 SDG No.: 248028

Instrument ID: gc12 Level Std1: 1 Std2: 2 Std3: 4 Std4: 8 Std5: 16 Std6: 32

GC Column: JW DB-1701P X (0.53mm)ID Dates Analyzed: 8/17/2004

COMPOUND	RT of STANDARD Low	Mid	High	MEAN RT	RT WINDOW FROM	TO
AR1016-1	10.23	10.23	10.23	10.23	10.18	10.28
AR1016-A	10.53	10.53	10.53	10.53	10.48	10.58
AR1016-2	12.46	12.46	12.46	12.46	12.41	12.51
AR1016-B	12.85	12.84	12.84	12.84	12.79	12.89
AR1016-3	13.02	13.02	13.02	13.02	12.97	13.07
AR1016-C	13.45	13.46	13.45	13.45	13.40	13.50
AR1016-4	13.67	13.67	13.66	13.67	13.62	13.72
AR1016-D	14.42	14.42	14.42	14.42	14.37	14.47
AR1016-5	14.87	14.87	14.87	14.87	14.82	14.92
AR1016-E	16.07	16.07	16.07	16.07	16.02	16.12
AR1260-1	18.41	18.42	18.41	18.41	18.36	18.46
AR1260-A	19.12	19.12	19.12	19.12	19.07	19.17
AR1260-B	21.70	21.70	21.70	21.70	21.65	21.75
AR1260-2	22.73	22.73	22.73	22.73	22.68	22.78
AR1260-C	22.88	22.88	22.88	22.88	22.83	22.93
AR1260-D	23.54	23.54	23.54	23.54	23.49	23.59
AR1260-3	24.10	24.11	24.10	24.10	24.05	24.15
AR1260-4	25.01	25.01	25.01	25.01	24.96	25.06
AR1260-5	25.61	25.60	25.61	25.61	25.56	25.66
AR1260-E	26.30	26.30	26.29	26.30	26.25	26.35
TCX	7.70	7.70	7.70	7.70	7.65	7.75
DCB	29.31	29.31	29.31	29.31	29.26	29.36

FORM VI Retention Time Windows are approx.(+/-) 3 times the standard deviation from the mean for all compounds. If the windows are small or are zero they were adjusted,per method, to a reasonable size.Therefore these windows were adjusted +/- 0.05 for most analytes.

Method 8082 INITIAL CALIBRATION OF SINGLE-COMPONENT ANALYTES

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005
Lab Code: SwRI Case #: F04-025 SDG #: 248028
Instrument ID: gc12 Level: Std1: 1 Std2: 2 Std3: 4 Std4: 8 Std5: 16 Std6: 32
GC Column: JW DB-1701P X (0.53mm)ID Dates Analyzed: 8/17/2004

COMPOUND	Calibration Factors 1	2	3	4	5	6	Mean Cal Factor	%RSD
AR1016-1	54420	50710	54645	50110	49586	51291	51794	4.2
AR1016-A	337560	291060	305935	272317	259065	255791	286955	10.9
AR1016-2	728960	616380	640865	554597	512256	495169	591371	14.9
AR1016-B	14280	12460	12480	11967	12539	13644	12895	6.8
AR1016-3	43000	29930	33435	31700	31515	33456	33839	13.8
AR1016-C	176400	145720	162025	146257	143874	148262	153756	8.4
AR1016-4	251020	213320	222750	200622	191746	189966	211571	10.9
AR1016-D	189460	172490	173240	160027	155625	161272	168686	7.3
AR1016-5	1318900	1141640	1147440	1011505	940026	923797	1080551	14.0
AR1016-E	396200	354110	367395	335197	323401	330702	351168	7.8
AR1260-1	379860	315780	322645	290460	284131	294746	314604	11.2
AR1260-A	77140	58710	64060	56142	56626	60004	62114	12.7
AR1260-B	89540	78420	82215	73417	68147	67337	76513	11.2
AR1260-2	47260	49920	48965	44557	44007	49923	47439	5.6
AR1260-C	82000	82120	78020	72337	70179	76170	76804	6.4
AR1260-D	255740	238270	238680	216780	209765	230350	231598	7.2
AR1260-3	208760	183180	181375	159735	146514	152597	172027	13.6
AR1260-4	98120	91580	92750	83585	79002	85261	88383	7.9
AR1260-5	828460	767770	764170	696777	683047	738911	746522	7.1
AR1260-E	94120	81550	88975	81997	80625	88150	85903	6.2
TCX	14533400	12300400	12883375	11019225	10387925	10415669	11923332	13.7
DCB	8075500	7287400	7530075	6678250	6355756	6858675	7130944	8.8

Average %RSD –> 9.6

FORM VIE Average %RSD must be less than or equal to 20% for all compounds. * Values outside of QC limits. L(Linear); Q(Quadratic)Calibration was used.

Method 8082 INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES **010098**

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
Instrument ID:	gc12	GC Column:	JW DB-1701P X (0.53mm)ID	Date Analyzed:	8/17/2004

COMPOUND	Amount (ng)	PEAK	RT	RT WINDOW FROM	TO	CALIBRATION FACTOR
AR1221	0.4000	1	6.16	6.09	6.23	188070
		2	8.66	8.59	8.73	58382
		3	9.48	9.41	9.55	275428
		4	10.23	10.16	10.30	195790
		5	10.53	10.46	10.60	669702
AR1232	0.4000	A	6.16	6.09	6.23	55795
		1	10.23	10.16	10.30	70325
		B	10.53	10.46	10.60	302200
		C	12.46	12.39	12.53	203212
		2	13.45	13.38	13.52	58208
		D	13.66	13.59	13.73	75302
		3	14.42	14.35	14.49	61692
		4	16.07	16.00	16.14	125318
		E	17.95	17.88	18.02	172342
		5	18.41	18.34	18.48	113942
AR1242	0.4000	A	10.53	10.46	10.60	231035
		B	12.45	12.38	12.52	441472
		1	13.45	13.38	13.52	117355
		C	13.66	13.59	13.73	158382
		2	14.42	14.35	14.49	125658
		D	14.86	14.79	14.93	801808
		3	15.52	15.45	15.59	248322
		E	16.06	15.99	16.13	263400
		4	17.95	17.88	18.02	376490
		5	18.41	18.34	18.48	259035
AR1248	0.4000	A	12.46	12.39	12.53	224652
		1	13.45	13.38	13.52	69940
		2	13.66	13.59	13.73	57868
		3	14.87	14.80	14.94	594688
		4	15.52	15.45	15.59	103572
		5	16.07	16.00	16.14	191332
		B	17.95	17.88	18.02	563915
		C	18.41	18.34	18.48	408178
		D	20.45	20.38	20.52	45345
		E	20.66	20.59	20.73	294090

Method 8082 INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES **010099**

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
Instrument ID:	gc12	GC Column:	JW DB-1701P X (0.53mm)ID	Date Analyzed:	8/17/2004

COMPOUND	Amount (ng)	PEAK	RT	RT WINDOW FROM	TO	CALIBRATION FACTOR
AR1254	0.4000	1	17.94	17.87	18.01	148085
		2	18.41	18.34	18.48	52778
		A	20.23	20.16	20.30	77825
		B	20.68	20.61	20.75	108052
		3	21.13	21.06	21.20	21782
		C	21.32	21.25	21.39	168490
		4	21.60	21.53	21.67	385820
		5	22.70	22.63	22.77	212128
		D	22.88	22.81	22.95	29995
		E	23.64	23.57	23.71	64435
AR1268	0.4000	A	24.11	24.04	24.18	257498
		1	24.68	24.61	24.75	308328
		B	24.88	24.81	24.95	85832
		D	26.29	26.22	26.36	691185
		E	26.41	26.34	26.48	589412
		2	26.77	26.70	26.84	835982
		3	26.98	26.91	27.05	210048
		4	28.00	27.93	28.07	350032
		5	28.81	28.74	28.88	2475528

Method 8082 CONTINUING CALIBRATION SUMMARY

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-1701P X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: ICV @ 0.40 ug/mL Date Analyzed: 8/18/2004

Lab Sample No.: ICV @ 0.40 ug/mL Time Analyzed: 08:37:50

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-1	10.23	10.18	10.28		0.387	0.400	3.3	
AR1016-A	10.53	10.48	10.58		0.382	0.400	4.5	
AR1016-2	12.46	12.41	12.51		0.377	0.400	5.8	
AR1016-B	12.84	12.79	12.89		0.385	0.400	3.8	
AR1016-3	13.02	12.97	13.07		0.383	0.400	4.3	
AR1016-C	13.45	13.40	13.50		0.390	0.400	2.5	
AR1016-4	13.66	13.62	13.72		0.384	0.400	4.0	
AR1016-D	14.42	14.37	14.47		0.383	0.400	4.3	
AR1016-5	14.87	14.82	14.92		0.381	0.400	4.8	
AR1016-E	16.07	16.02	16.12		0.397	0.400	0.8	
AR1260-1	18.41	18.36	18.46		0.384	0.400	4.0	
AR1260-A	19.12	19.07	19.17		0.373	0.400	6.8	
AR1260-B	21.70	21.65	21.75		0.392	0.400	2.0	
AR1260-2	22.73	22.68	22.78		0.391	0.400	2.3	
AR1260-C	22.88	22.83	22.93		0.392	0.400	2.0	
AR1260-D	23.54	23.49	23.59		0.392	0.400	2.0	
AR1260-3	24.10	24.05	24.15		0.385	0.400	3.8	
AR1260-4	25.01	24.96	25.06		0.396	0.400	1.0	
AR1260-5	25.61	25.56	25.66		0.399	0.400	0.3	
AR1260-E	26.29	26.25	26.35		0.403	0.400	0.8	
TCX	7.70	7.65	7.75		0.0736	0.0800	8.0	
DCB	29.31	29.26	29.36		0.0782	0.0800	2.3	

Average %Diff. --> 3.3

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

Method 8082 CONTINUING CALIBRATION SUMMARY **010101**

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-1701P X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_10 Date Analyzed: 8/24/2004

Lab Sample No.: CCV_10 Time Analyzed: 15:34:51

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-1	10.23	10.18	10.28		0.425	0.400	6.3	
AR1016-A	10.53	10.48	10.58		0.431	0.400	7.8	
AR1016-2	12.45	12.41	12.51		0.426	0.400	6.5	
AR1016-B	12.84	12.79	12.89		0.406	0.400	1.5	
AR1016-3	13.02	12.97	13.07		0.430	0.400	7.5	
AR1016-C	13.45	13.40	13.50		0.430	0.400	7.5	
AR1016-4	13.66	13.62	13.72		0.427	0.400	6.8	
AR1016-D	14.42	14.37	14.47		0.396	0.400	1.0	
AR1016-5	14.86	14.82	14.92		0.401	0.400	0.3	
AR1016-E	16.06	16.02	16.12		0.413	0.400	3.3	
AR1260-1	18.41	18.36	18.46		0.416	0.400	4.0	
AR1260-A	19.11	19.07	19.17		0.407	0.400	1.8	
AR1260-B	21.69	21.65	21.75		0.442	0.400	10.5	
AR1260-2	22.73	22.68	22.78		0.347	0.400	13.3	
AR1260-C	22.88	22.83	22.93		0.386	0.400	3.5	
AR1260-D	23.54	23.49	23.59		0.394	0.400	1.5	
AR1260-3	24.10	24.05	24.15		0.411	0.400	2.8	
AR1260-4	25.01	24.96	25.06		0.395	0.400	1.3	
AR1260-5	25.60	25.56	25.66		0.416	0.400	4.0	
AR1260-E	26.29	26.25	26.35		0.412	0.400	3.0	
TCX	7.70	7.65	7.75		0.0843	0.0800	5.4	
DCB	29.30	29.26	29.36		0.0841	0.0800	5.1	

Average %Diff. --> 4.8

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

FORM VII-E

Method 8082 CONTINUING CALIBRATION SUMMARY

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-1701P X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_11 Date Analyzed: 8/25/2004

Lab Sample No.: CCV_11 Time Analyzed: 03:30:29

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-1	10.23	10.18	10.28		0.410	0.400	2.5	
AR1016-A	10.53	10.48	10.58		0.414	0.400	3.5	
AR1016-2	12.45	12.41	12.51		0.406	0.400	1.5	
AR1016-B	12.84	12.79	12.89		0.403	0.400	0.8	
AR1016-3	13.02	12.97	13.07		0.405	0.400	1.3	
AR1016-C	13.45	13.40	13.50		0.412	0.400	3.0	
AR1016-4	13.66	13.62	13.72		0.408	0.400	2.0	
AR1016-D	14.42	14.37	14.47		0.394	0.400	1.5	
AR1016-5	14.87	14.82	14.92		0.392	0.400	2.0	
AR1016-E	16.06	16.02	16.12		0.400	0.400	0	
AR1260-1	18.41	18.36	18.46		0.405	0.400	1.3	
AR1260-A	19.11	19.07	19.17		0.393	0.400	1.8	
AR1260-B	21.69	21.65	21.75		0.426	0.400	6.5	
AR1260-2	22.73	22.68	22.78		0.352	0.400	12.0	
AR1260-C	22.88	22.83	22.93		0.383	0.400	4.3	
AR1260-D	23.54	23.49	23.59		0.390	0.400	2.5	
AR1260-3	24.10	24.05	24.15		0.396	0.400	1.0	
AR1260-4	25.01	24.96	25.06		0.384	0.400	4.0	
AR1260-5	25.60	25.56	25.66		0.400	0.400	0	
AR1260-E	26.29	26.25	26.35		0.404	0.400	1.0	
TCX	7.70	7.65	7.75		0.0801	0.0800	0.1	
DCB	29.30	29.26	29.36		0.0840	0.0800	5.0	

Average %Diff. --> 2.6

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

FORM VII-E

Method 8082 CONTINUING CALIBRATION SUMMARY

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-1701P X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_12 Date Analyzed: 8/25/2004

Lab Sample No.: CCV_12 Time Analyzed: 13:43:28

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-1	10.22	10.18	10.28		0.388	0.400	3.0	
AR1016-A	10.53	10.48	10.58		0.390	0.400	2.5	
AR1016-2	12.45	12.41	12.51		0.387	0.400	3.3	
AR1016-B	12.84	12.79	12.89		0.375	0.400	6.3	
AR1016-3	13.02	12.97	13.07		0.383	0.400	4.3	
AR1016-C	13.45	13.40	13.50		0.392	0.400	2.0	
AR1016-4	13.66	13.62	13.72		0.388	0.400	3.0	
AR1016-D	14.41	14.37	14.47		0.373	0.400	6.8	
AR1016-5	14.86	14.82	14.92		0.374	0.400	6.5	
AR1016-E	16.06	16.02	16.12		0.390	0.400	2.5	
AR1260-1	18.40	18.36	18.46		0.378	0.400	5.5	
AR1260-A	19.11	19.07	19.17		0.378	0.400	5.5	
AR1260-B	21.69	21.65	21.75		0.402	0.400	0.5	
AR1260-2	22.73	22.68	22.78		0.327	0.400	18.3	*
AR1260-C	22.88	22.83	22.93		0.355	0.400	11.3	
AR1260-D	23.54	23.49	23.59		0.365	0.400	8.8	
AR1260-3	24.10	24.05	24.15		0.371	0.400	7.3	
AR1260-4	25.01	24.96	25.06		0.354	0.400	11.5	
AR1260-5	25.60	25.56	25.66		0.390	0.400	2.5	
AR1260-E	26.29	26.25	26.35		0.375	0.400	6.3	
TCX	7.70	7.65	7.75		0.0772	0.0800	3.5	
DCB	29.30	29.26	29.36		0.0782	0.0800	2.3	

Average %Diff. --> 5.6

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

Method 8082 CONTINUING CALIBRATION SUMMARY

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005

Lab Code: SwRI Case #: F04-025 SDG #: 248028

Instrument ID: gc12

GC Column: JW DB-1701P X (0.53mm)ID Init Calibration Date: 8/17/2004

Client Sample No.: CCV_13 Date Analyzed: 8/25/2004

Lab Sample No.: CCV_13 Time Analyzed: 16:16:41

INDIVIDUAL MIX C COMPOUND	RT	RT WINDOW FROM	TO	OUT	CALC AMT (ng)	NOM AMT (ng)	%Diff.	OUT OF Diff.
AR1016-1	10.23	10.18	10.28		0.415	0.400	3.8	
AR1016-A	10.53	10.48	10.58		0.412	0.400	3.0	
AR1016-2	12.45	12.41	12.51		0.409	0.400	2.3	
AR1016-B	12.84	12.79	12.89		0.400	0.400	0	
AR1016-3	13.02	12.97	13.07		0.408	0.400	2.0	
AR1016-C	13.45	13.40	13.50		0.413	0.400	3.3	
AR1016-4	13.66	13.62	13.72		0.408	0.400	2.0	
AR1016-D	14.42	14.37	14.47		0.392	0.400	2.0	
AR1016-5	14.87	14.82	14.92		0.392	0.400	2.0	
AR1016-E	16.07	16.02	16.12		0.403	0.400	0.8	
AR1260-1	18.41	18.36	18.46		0.396	0.400	1.0	
AR1260-A	19.11	19.07	19.17		0.361	0.400	9.8	
AR1260-B	21.70	21.65	21.75		0.409	0.400	2.3	
AR1260-2	22.73	22.68	22.78		0.335	0.400	16.3	*
AR1260-C	22.88	22.83	22.93		0.360	0.400	10.0	
AR1260-D	23.54	23.49	23.59		0.372	0.400	7.0	
AR1260-3	24.10	24.05	24.15		0.374	0.400	6.5	
AR1260-4	25.01	24.96	25.06		0.358	0.400	10.5	
AR1260-5	25.61	25.56	25.66		0.389	0.400	2.8	
AR1260-E	26.29	26.25	26.35		0.370	0.400	7.5	
TCX	7.70	7.65	7.75		0.0813	0.0800	1.6	
DCB	29.31	29.26	29.36		0.0764	0.0800	4.5	

Average %Diff. --> 4.6

FORM VII The average percent difference of all compounds should be less than or equal to 15%D.

Method 8082 ANALYTICAL SEQUENCE

010105

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
GC Column:	JW DB-1701P X (0.53mm)ID			Instrument ID:	gc12
				Init Calibration Date:	8/17/2004

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS SAMPLES, AND STANDARDS IS GIVEN BELOW :

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.70 DCB: 29.31

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	Surrogate 1 RT	Surrogate 2 RT
1	AR1221 @ 0.40 ug/mL	AR1221 @ 0.40 ug/mL	8/17/2004	21:33:34	7.70	29.30
2	AR1232 @ 0.40 ug/mL	AR1232 @ 0.40 ug/mL	8/17/2004	22:24:41	7.70	29.31
3	AR1242 @ 0.40 ug/mL	AR1242 @ 0.40 ug/mL	8/17/2004	23:15:47	7.70	29.31
4	AR1248 @ 0.40 ug/mL	AR1248 @ 0.40 ug/mL	8/18/2004	00:06:51	7.70	29.31
5	AR1254 @ 0.40 ug/mL	AR1254 @ 0.40 ug/mL	8/18/2004	00:57:58	7.70	29.31
6	AR1268 @ 0.40 ug/mL	AR1268 @ 0.40 ug/mL	8/18/2004	01:49:06	7.70	29.31
7	AR1660 @ 0.05 ug/mL	AR1660 @ 0.05 ug/mL	8/18/2004	02:40:14	7.70	29.31
8	AR1660 @ 0.10 ug/mL	AR1660 @ 0.10 ug/mL	8/18/2004	03:31:15	7.70	29.31
9	AR1660 @ 0.20 ug/mL	AR1660 @ 0.20 ug/mL	8/18/2004	04:22:23	7.70	29.31
10	AR1660 @ 0.40 ug/mL	AR1660 @ 0.40 ug/mL	8/18/2004	05:13:26	7.70	29.31
11	AR1660 @ 0.80ug/mL	AR1660 @ 0.80ug/mL	8/18/2004	06:04:35	7.70	29.31
12	AR1660 @ 1.60 ug/mL	AR1660 @ 1.60 ug/mL	8/18/2004	06:55:39	7.70	29.31
13	ZZZZZ	ZZZZZ	8/18/2004	07:46:45		
14	ICV @ 0.40 ug/mL	ICV @ 0.40 ug/mL	8/18/2004	08:37:50	7.70	29.31
15	CCV_10	CCV_10	8/24/2004	15:34:51	7.70	29.30
16	ZZZZZ	ZZZZZ	8/24/2004	16:26:00		
17	ZZZZZ	ZZZZZ	8/24/2004	17:17:10		
18	LAB BLANK	249799	8/24/2004	18:08:18	7.70	29.31
19	LCS	249800	8/24/2004	18:59:24	7.70	29.30
20	B19J43	248031	8/24/2004	19:50:33	7.70	29.30
21	ZZZZZ	ZZZZZ	8/24/2004	20:41:38		
22	ZZZZZ	ZZZZZ	8/24/2004	21:32:48		
23	B19J43MS	248031MS	8/24/2004	22:23:53	7.70	29.30
24	ZZZZZ	ZZZZZ	8/24/2004	23:14:59		
25	ZZZZZ	ZZZZZ	8/25/2004	00:06:05		
26	B19J43MSD	248031MSD	8/25/2004	00:57:12	7.70	29.30
27	ZZZZZ	ZZZZZ	8/25/2004	01:48:20		
28	ZZZZZ	ZZZZZ	8/25/2004	02:39:27		
29	CCV_11	CCV_11	8/25/2004	03:30:29	7.70	29.30
30	B19J40	248028	8/25/2004	04:21:35	7.70	29.30
31	ZZZZZ	ZZZZZ	8/25/2004	05:12:40		
32	ZZZZZ	ZZZZZ	8/25/2004	06:03:47		

ZZZZZ = These injections were not used to analyze this data.
NS = Not Spiked
I or I* = Interference peak
D or D* = Diluted Out

Method 8082 ANALYTICAL SEQUENCE

Lab Name:	SwRI:	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
GC Column:	JW DB-1701P X (0.53mm)ID			Instrument ID:	gc12
				Init Calibration Date:	8/17/2004

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS SAMPLES, AND STANDARDS IS GIVEN BELOW :

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.70 DCB: 29.31

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	Surrogate 1 RT	Surrogate 2 RT
33	B19J41	248029	8/25/2004	06:54:52	7.70	29.30
34	ZZZZZ	ZZZZZ	8/25/2004	07:45:57		
35	B19J42	248030	8/25/2004	08:37:01	7.70	29.30
36	ZZZZZ	ZZZZZ	8/25/2004	09:28:08		
37	B19J44	248032	8/25/2004	10:19:12	7.70	29.30
38	ZZZZZ	ZZZZZ	8/25/2004	11:10:17		
39	B19J45	248033	8/25/2004	12:01:21	7.70	29.30
40	ZZZZZ	ZZZZZ	8/25/2004	12:52:24		
41	CCV_12	CCV_12	8/25/2004	13:43:28	7.70	29.30
42	B19J46	248034	8/25/2004	14:34:33	7.70	29.30
43	ZZZZZ	ZZZZZ	8/25/2004	15:25:37		
44	CCV_13	CCV_13	8/25/2004	16:16:41	7.70	29.31

ZZZZZ = These injections were not used to analyze this data.
NS = Not Spiked
I or I* = Interference peak
D or D* = Diluted Out

Method 8082 IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Client Sample ID: LCS

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005 **010107**

Lab Code: SwRI Case #: F04-025 SDG #: 248028

W.O.: SwRI Sample ID: 249800 Date Analyzed: 8/24/04 6

ID (1): gc12 (mm) ID (2): gc12 (mm)

GC Column (1): JW DB-608 X (0.53mm)ID GC Column (2): JW DB-1701P X (0.53mm)ID

Instrument ID (1): gc12 Instrument ID (2): gc12

ANALYTE	peak	RT	RT WINDOW FROM	RT WINDOW TO	Concentration	Mean Concentration	%RPD
AR1016	1	14.24	14.19	14.33	1.87	1.97	
	2	15.12	15.06	15.20	1.65		
col 1	3	16.72	16.66	16.80	2.03		
	4	16.93	16.88	17.02	1.83		
	5	18.79	18.73	18.87	2.00		
	A	10.90	10.84	10.98	1.72		
	B	13.10	13.04	13.18	1.23		
	C	15.99	15.93	16.07	1.96		
	D	17.99	17.94	18.08	2.87		
	E	19.37	19.31	19.45	2.57		
	1	10.22	10.16	10.30	2.33	2.07	5.0
	2	12.45	12.39	12.53	1.77		
col 2	3	13.04	12.95	13.09	4.07		
	4	13.66	13.60	13.74	1.76		
	5	14.86	14.80	14.94	1.86		
	A	10.53	10.46	10.60	1.80		
	B	12.84	12.77	12.91	1.55		
	C	13.45	13.38	13.52	1.81		
	D	14.41	14.35	14.49	1.82		
	E	16.06	16.00	16.14	1.93		

Method 8082 IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Client Sample ID: LCS

Lab Name: SwRI Client: Lionville Laboratory Project: 10780.01.005 **010108**

Lab Code: SwRI Case #: F04-025 SDG #: 248028

W.O.: SwRI Sample ID: 249800 Date Analyzed: 8/24/04 6

ID (1): gc12 (mm) ID (2): gc12 (mm)

GC Column (1): JW DB-608 X (0.53mm)ID GC Column (2): JW DB-1701P X (0.53mm)ID

Instrument ID (1): gc12 Instrument ID (2): gc12

ANALYTE	peak	RT	RT WINDOW FROM	RT WINDOW TO	Concentration	Mean Concentration	%RPD
AR1260	1	24.47	24.41	24.55	1.82	2.06	
	3	26.89	26.84	26.98	2.38		
col 1	4	28.26	28.21	28.35	2.20		
	5	29.51	29.46	29.60	1.72		
	A	24.64	24.58	24.72	2.15		
	B	25.41	25.34	25.48	1.99		
	C	25.61	25.55	25.69	2.15		
	D	25.76	25.70	25.84	1.87		
	E	26.69	26.63	26.77	2.26		
	1	18.40	18.34	18.48	1.96	1.87	9.7
	2	22.72	22.66	22.80	1.14		
col 2	3	24.10	24.03	24.17	1.98		
	4	25.00	24.94	25.08	2.55		
	A	19.11	19.05	19.19	1.16		
	B	21.69	21.63	21.77	1.90		
	C	22.88	22.81	22.95	2.10		
	D	23.54	23.47	23.61	2.00		
	E	26.29	26.23	26.37	2.08		

Method 8082 IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Client Sample ID: B19J43MS

010109

Lab Name:	SwRI	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
W.O.:		SwRI Sample ID:	248031MS	Date Analyzed:	8/24/04 1
ID (1):	gc12 (mm)			ID (2):	gc12 (mm)
GC Column (1):	JW DB-608 X (0.53mm)ID			GC Column (2):	JW DB-1701P X (0.53mm)ID
Instrument ID (1):	gc12			Instrument ID (2):	gc12

ANALYTE	peak	RT	RT WINDOW FROM	RT WINDOW TO	Concentration	Mean Concentration	%RPD
AR1016	1	14.23	14.19	14.33	1.33	1.59	
	2	15.10	15.06	15.20	1.38		
col 1	3	16.69	16.66	16.80	1.90		
	4	16.92	16.88	17.02	1.37		
	5	18.79	18.73	18.87	1.51		
	A	10.89	10.84	10.98	1.77		
	B	13.09	13.04	13.18	0.859		
	C	15.98	15.93	16.07	1.14		
	D	17.99	17.94	18.08	2.85		
	E	19.36	19.31	19.45	1.79		
	1	10.22	10.16	10.30	2.06	1.91	18.3
	2	12.45	12.39	12.53	1.57		
col 2	3	13.02	12.95	13.09	2.16		
	4	13.66	13.60	13.74	1.68		
	5	14.86	14.80	14.94	1.79		
	A	10.52	10.46	10.60	1.45		
	B	12.83	12.77	12.91	2.25		
	C	13.45	13.38	13.52	1.75		
	D	14.41	14.35	14.49	2.19		
	E	16.06	16.00	16.14	2.19		

Method 8082 IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Client Sample ID: B19J43MS

010110

Lab Name:	SwRI	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
W.O.:		SwRI Sample ID:	248031MS	Date Analyzed:	8/24/04 1
ID (1):	gc12 (mm)			ID (2):	gc12 (mm)
GC Column (1):	JW DB-608 X (0.53mm)ID			GC Column (2):	JW DB-1701P X (0.53mm)ID
Instrument ID (1):	gc12			Instrument ID (2):	gc12

ANALYTE	peak	RT	RT WINDOW FROM	RT WINDOW TO	Concentration	Mean Concentration	%RPD
AR1260	1	24.47	24.41	24.55	1.85	2.00	
	3	26.89	26.84	26.98	2.30		
col 1	4	28.26	28.21	28.35	2.22		
	5	29.51	29.46	29.60	1.68		
	A	24.64	24.58	24.72	2.00		
	B	25.40	25.34	25.48	1.79		
	C	25.61	25.55	25.69	2.12		
	D	25.76	25.70	25.84	1.79		
	E	26.69	26.63	26.77	2.24		
	1	18.40	18.34	18.48	1.67	1.88	6.2
	2	22.70	22.66	22.80	1.65		
col 2	3	24.10	24.03	24.17	1.98		
	4	25.00	24.94	25.08	2.32		
	5	25.60	25.54	25.68	1.91		
	A	19.11	19.05	19.19	1.27		
	B	21.70	21.63	21.77	2.01		
	C	22.88	22.81	22.95	2.11		
	D	23.54	23.47	23.61	1.88		
	E	26.29	26.23	26.37	1.96		

Method 8082 IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Client Sample ID: B19J43MSD

010111

Lab Name:	SwRI	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
W.O.:		SwRI Sample ID:	248031MSD	Date Analyzed:	8/25/04 1
ID (1):	gc12 (mm)			ID (2):	gc12 (mm)
GC Column (1):	JW DB-608 X (0.53mm)ID			GC Column (2):	JW DB-1701P X (0.53mm)ID
Instrument ID (1):	gc12			Instrument ID (2):	gc12

ANALYTE	peak	RT	RT WINDOW FROM	RT WINDOW TO	Concentration	Mean Concentration	%RPD
AR1016	1	14.23	14.19	14.33	1.24	1.58	
	2	15.10	15.06	15.20	1.34		
col 1	3	16.69	16.66	16.80	1.91		
	4	16.93	16.88	17.02	1.33		
	5	18.79	18.73	18.87	1.66		
	A	10.89	10.84	10.98	1.71		
	B	13.09	13.04	13.18	0.817		
	C	15.98	15.93	16.07	1.05		
	D	17.99	17.94	18.08	2.97		
	E	19.36	19.31	19.45	1.81		
	1	10.22	10.16	10.30	1.99	1.82	14.1
	2	12.45	12.39	12.53	1.48		
col 2	3	13.02	12.95	13.09	2.10		
	4	13.66	13.60	13.74	1.61		
	5	14.86	14.80	14.94	1.70		
	A	10.52	10.46	10.60	1.34		
	B	12.83	12.77	12.91	2.24		
	C	13.45	13.38	13.52	1.68		
	D	14.41	14.35	14.49	2.00		
	E	16.06	16.00	16.14	2.06		

Method 8082 IDENTIFICATION SUMMARY

FOR MULTICOMPONENT ANALYTES

Client Sample ID: B19J43MSD

010112

Lab Name:	SwRI	Client:	Lionville Laboratory	Project:	10780.01.005
Lab Code:	SwRI	Case #:	F04-025	SDG #:	248028
W.O.:		SwRI Sample ID:	248031MSD	Date Analyzed:	8/25/04 1
ID (1):	gc12 (mm)			ID (2):	gc12 (mm)
GC Column (1):	JW DB-608 X (0.53mm)ID			GC Column (2):	JW DB-1701P X (0.53mm)ID
Instrument ID (1):	gc12			Instrument ID (2):	gc12

ANALYTE	peak	RT	RT WINDOW FROM	RT WINDOW TO	Concentration	Mean Concentration	%RPD
AR1260	1	24.47	24.41	24.55	1.83	2.04	
	3	26.89	26.84	26.98	2.37		
col 1	4	28.26	28.21	28.35	2.32		
	5	29.51	29.46	29.60	1.76		
	A	24.64	24.58	24.72	2.00		
	B	25.40	25.34	25.48	1.79		
	C	25.61	25.55	25.69	2.17		
	D	25.76	25.70	25.84	1.82		
	E	26.69	26.63	26.77	2.31		
	1	18.40	18.34	18.48	1.64	1.82	11.4
	2	22.70	22.66	22.80	1.49		
col 2	3	24.10	24.03	24.17	1.93		
	4	25.00	24.94	25.08	2.25		
	5	25.60	25.54	25.68	1.86		
	A	19.11	19.05	19.19	1.13		
	B	21.70	21.63	21.77	2.07		
	C	22.88	22.81	22.95	2.07		
	D	23.54	23.47	23.61	1.82		
	E	26.29	26.23	26.37	1.92		

010113

CLIENT: Lionville Laboratory, Inc. CYCLES 1 **Method 8082**

SampleName AR1221 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:13:03 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

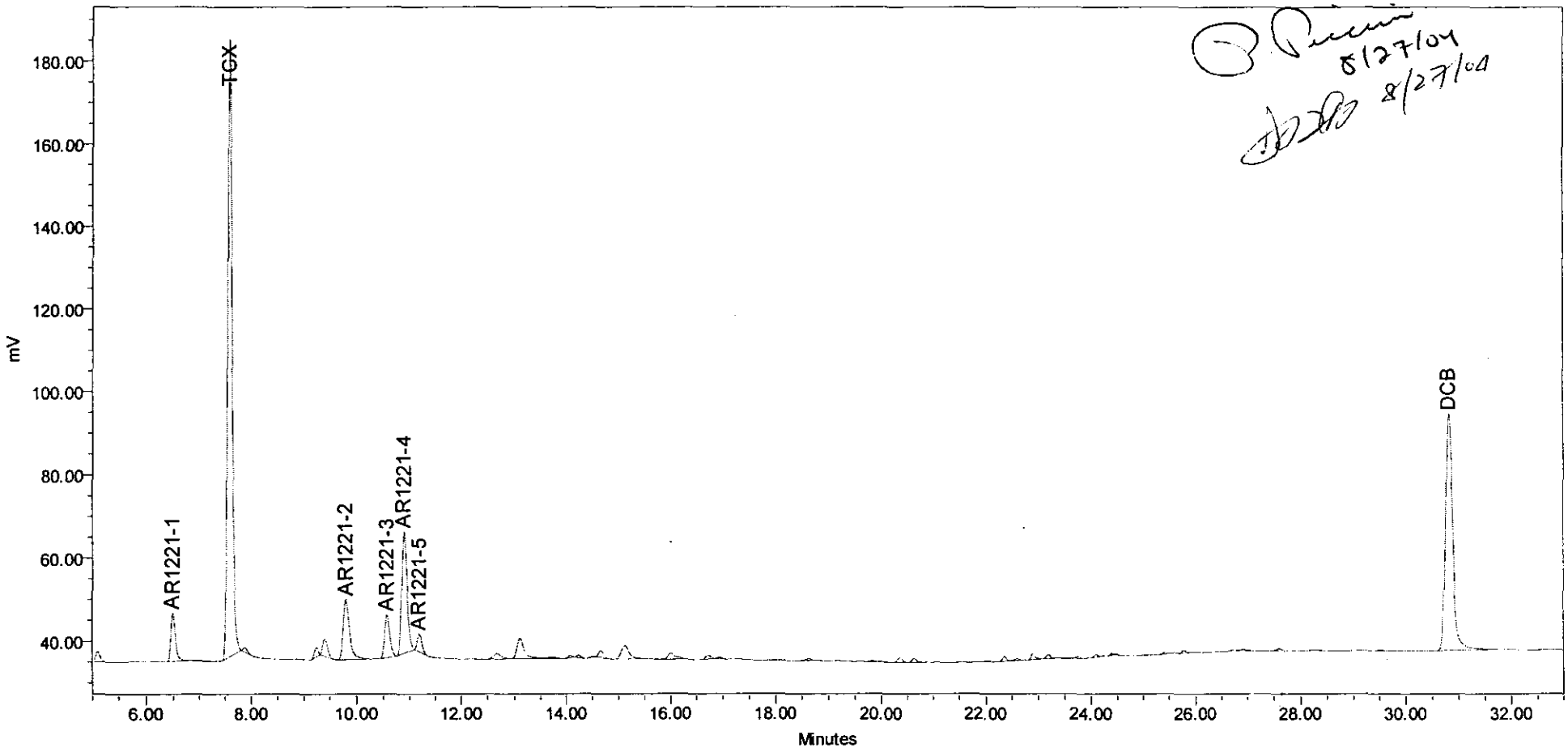
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 9:33:34 PM

Project Name GC12_Project_2004



8/27/04
8/27/04

SampleName AR1221 @ 0.40 ug/mL CYCLES 1 Channel SATIN Date Acquired 08/17/04 9:33:34 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010114

CLIENT: Lionville Laboratory, Inc. CYCLES 1 **Method 8082**

SampleName AR1221 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:13:03 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 9:33:34 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	AR1221-1	6.498	70059	11715	BB	0.400
2	TCX	7.594	888642	149337	BB	0.040
3	AR1221-2	9.807	120507	14480	BB	0.400
4	AR1221-3	10.574	71548	10354	BB	0.400
5	AR1221-4	10.899	209601	29269	BB	0.400
6	AR1221-5	11.193	26259	4274	BB	0.400
7	DCB	30.825	546475	56735	BB	0.040

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010115

CLIENT: Lionville Laboratory, Inc. CYCLES 2 **Method 8082** **Project: 10780.01.005**

SampleName AR1232 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:14:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

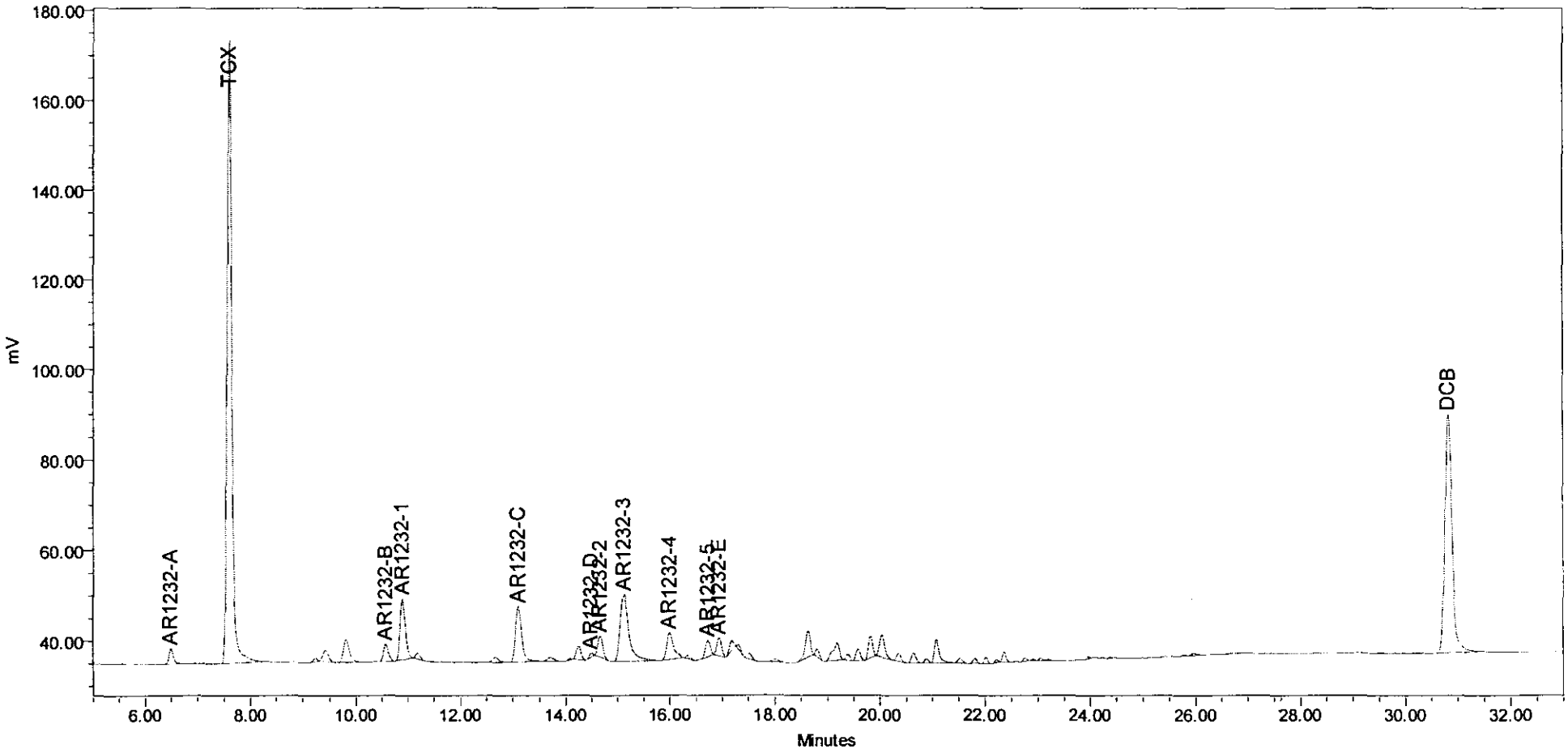
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 10:24:41 PM

Project Name GC12_Project_2004



SampleName AR1232 @ 0.40 ug/mL CYCLES 2 Channel SATIN Date Acquired 08/17/04 10:24:41 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010116

CLIENT: Lionville Laboratory, Inc. CYCLES 2 **Method 8082**

SampleName AR1232 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:14:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 10:24:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	AR1232-A	6.500	20596	3455	BB	0.400
2	TCX	7.595	867630	138505	BB	0.080
3	AR1232-B	10.576	26622	3887	BB	0.400
4	AR1232-1	10.902	96831	13535	BB	0.400
5	AR1232-C	13.109	97092	12257	BB	0.400
6	AR1232-D	14.490	4198	894	BB	0.400
7	AR1232-2	14.664	31633	4710	BB	0.400
8	AR1232-3	15.123	171465	14768	BB	0.400
9	AR1232-4	15.998	53244	5969	BB	0.400
10	AR1232-5	16.725	23591	3628	BB	0.400
11	AR1232-E	16.944	25481	3939	BB	0.400
12	DCB	30.826	501332	52454	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010117

CLIENT: Lionville Laboratory, Inc. CYCLES 3 **Method 8082**

Project: 10780.01.005

SampleName AR1242 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:15:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

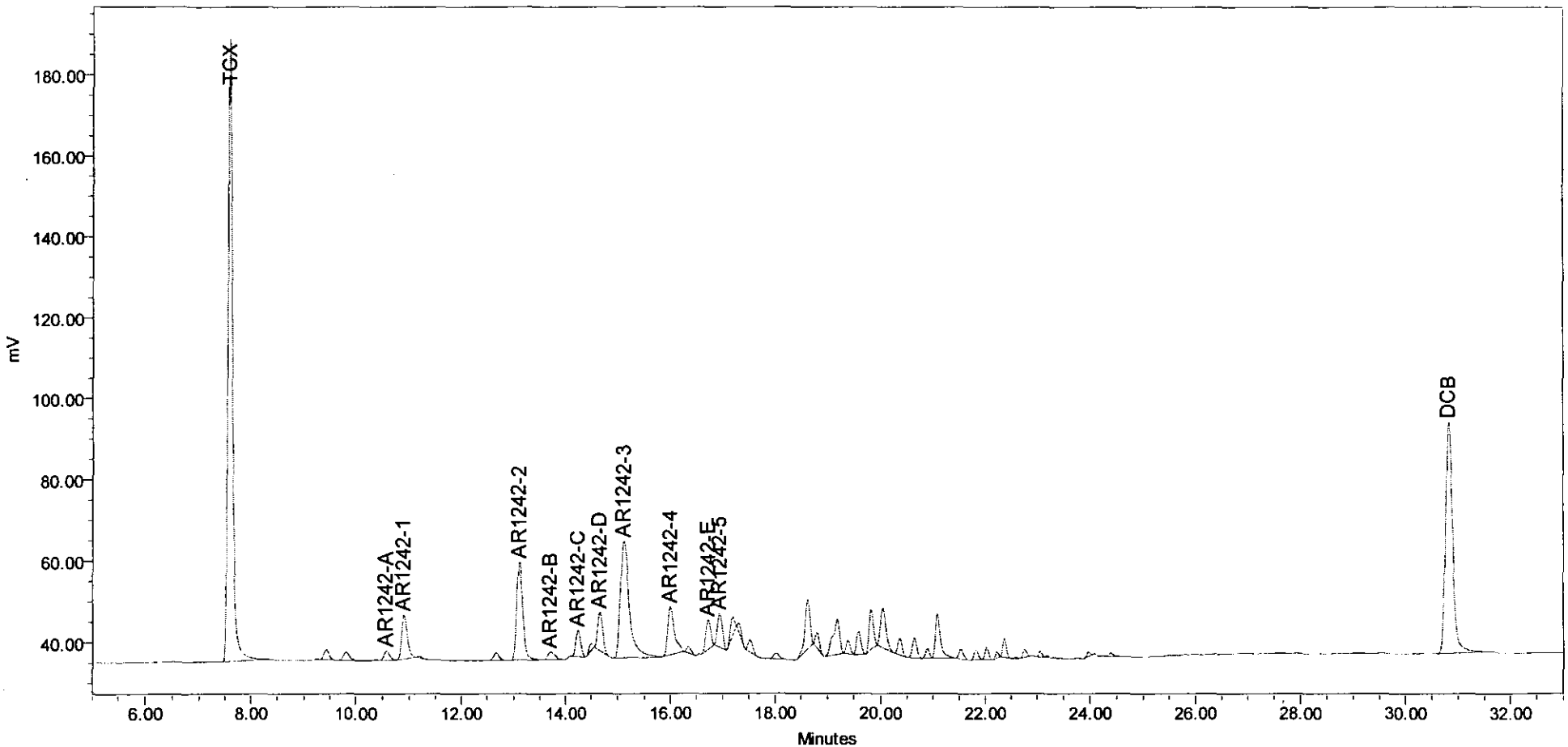
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 11:15:47 PM

Project Name GC12_Project_2004



SampleName AR1242 @ 0.40 ug/mL CYCLES 3 Channel SATIN Date Acquired 08/17/04 11:15:47 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010118

CLIENT: Lionville Laboratory, Inc. CYCLES 3 **Method 8082**

SampleName AR1242 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:15:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 11:15:47 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.593	952467	153637	BB	0.080
2	AR1242-A	10.573	16431	2422	BB	0.400
3	AR1242-1	10.901	79065	10863	BB	0.400
4	AR1242-2	13.108	189520	24090	BB	0.400
5	AR1242-B	13.698	17759	1924	BB	0.400
6	AR1242-C	14.245	42507	6426	BB	0.400
7	AR1242-D	14.664	63461	9463	BB	0.400
8	AR1242-3	15.116	339519	28789	BB	0.400
9	AR1242-4	15.996	105792	11821	BB	0.400
10	AR1242-E	16.725	46416	7048	BB	0.400
11	AR1242-5	16.943	54955	8317	BB	0.400
12	DCB	30.824	539492	56765	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010119

CLIENT: Lionville Laboratory, Inc. CYCLES 4 **Method 8082**

SampleName AR1248 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:16:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

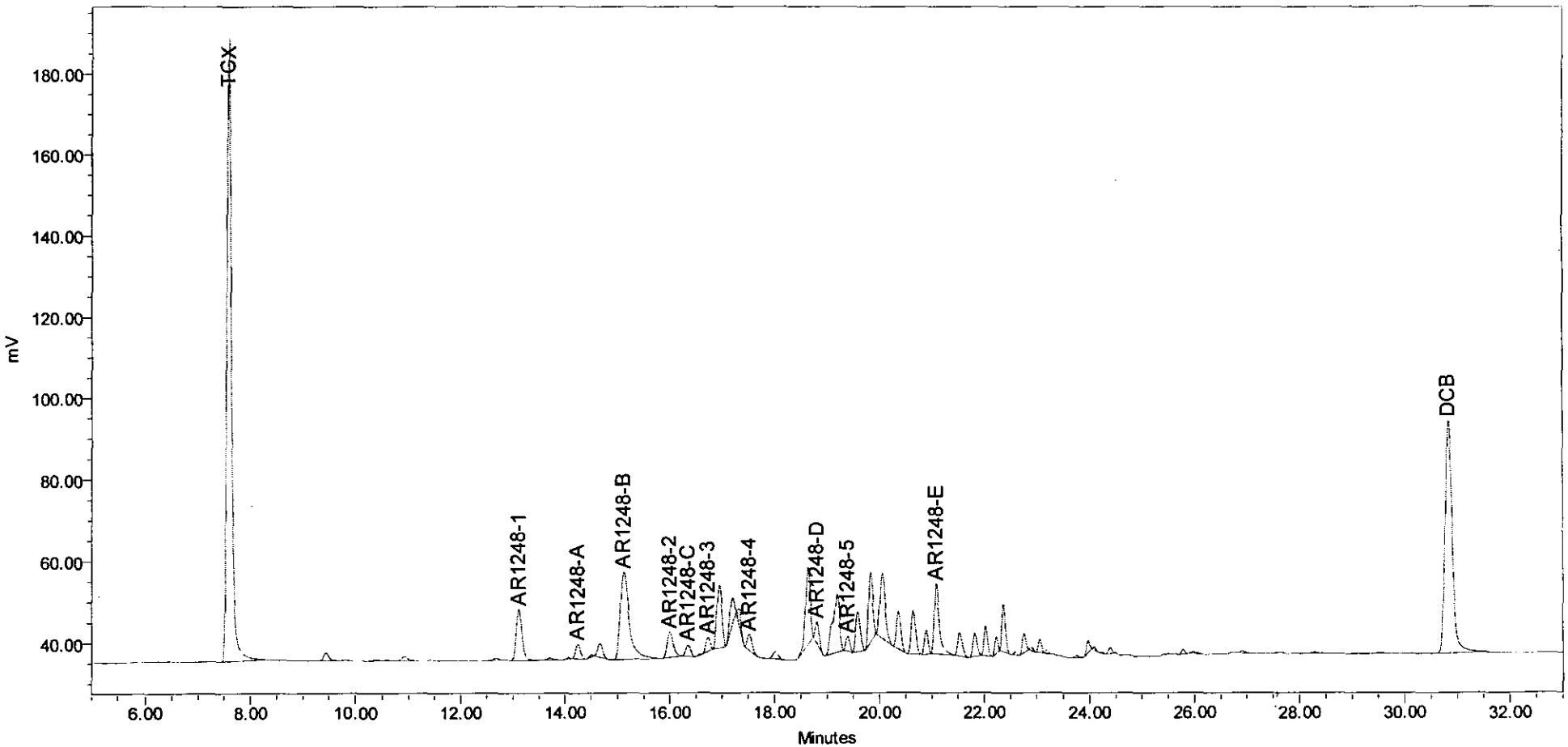
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:06:51 AM

Project Name GC12_Project_2004



SampleName AR1248 @ 0.40 ug/mL CYCLES 4 Channel SATIN Date Acquired 08/18/04 12:06:51 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010120

CLIENT: Lionville Laboratory, Inc. CYCLES 4 **Method 8082**

SampleName AR1248 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:16:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:06:51 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.595	950638	153363	BB	0.080
2	AR1248-1	13.109	96181	12658	BB	0.400
3	AR1248-A	14.249	23510	3629	BB	0.400
4	AR1248-B	15.118	253440	21423	BB	0.400
5	AR1248-2	16.000	51243	6243	BB	0.400
6	AR1248-C	16.350	18808	2837	BB	0.400
7	AR1248-3	16.726	19825	3409	BB	0.400
8	AR1248-4	17.519	24381	3922	BB	0.400
9	AR1248-D	18.800	26805	5300	BB	0.400
10	AR1248-5	19.386	18940	3576	BB	0.400
11	AR1248-E	21.076	114533	17179	BB	0.400
12	DCB	30.829	545642	56923	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

C10121

CLIENT: Lionville Laboratory, Inc. CYCLES 5 **Method 8082**

Project: 10780.01.005

SampleName AR1254 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:17:03 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

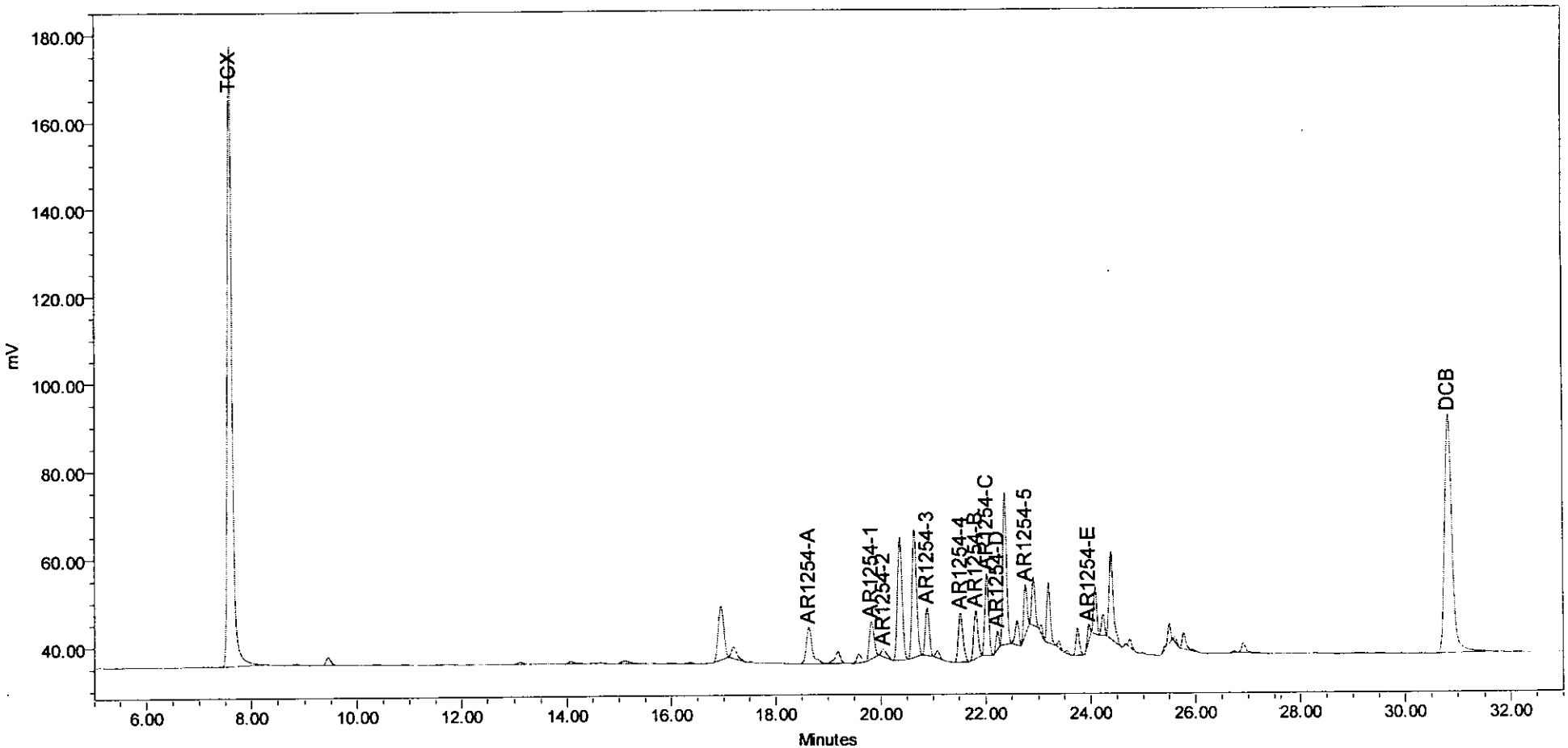
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:57:58 AM

Project Name GC12_Project_2004



SampleName AR1254 @ 0.40 ug/mL CYCLES 5 Channel SATIN Date Acquired 08/18/04 12:57:58 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010122

CLIENT: Lionville Laboratory, Inc. CYCLES 5 **Method 8082**

SampleName AR1254 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:17:03 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:57:58 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.596	888342	142094	BB	0.080
2	AR1254-A	18.633	65451	8291	BB	0.400
3	AR1254-1	19.823	52327	8470	BB	0.400
4	AR1254-2	20.050	13091	1777	BB	0.400
5	AR1254-3	20.886	58351	10970	BB	0.400
6	AR1254-4	21.522	69117	11202	BB	0.400
7	AR1254-B	21.815	59199	10927	BB	0.400
8	AR1254-C	22.024	91826	18527	BB	0.400
9	AR1254-D	22.224	16172	4224	BB	0.400
10	AR1254-5	22.754	51410	11284	BB	0.400
11	AR1254-E	23.960	12664	3648	BB	0.400
12	DCB	30.830	523705	54045	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010123

CLIENT: Lionville Laboratory, Inc. CYCLES 6 **Method 8082**

SampleName AR1268 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:20:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

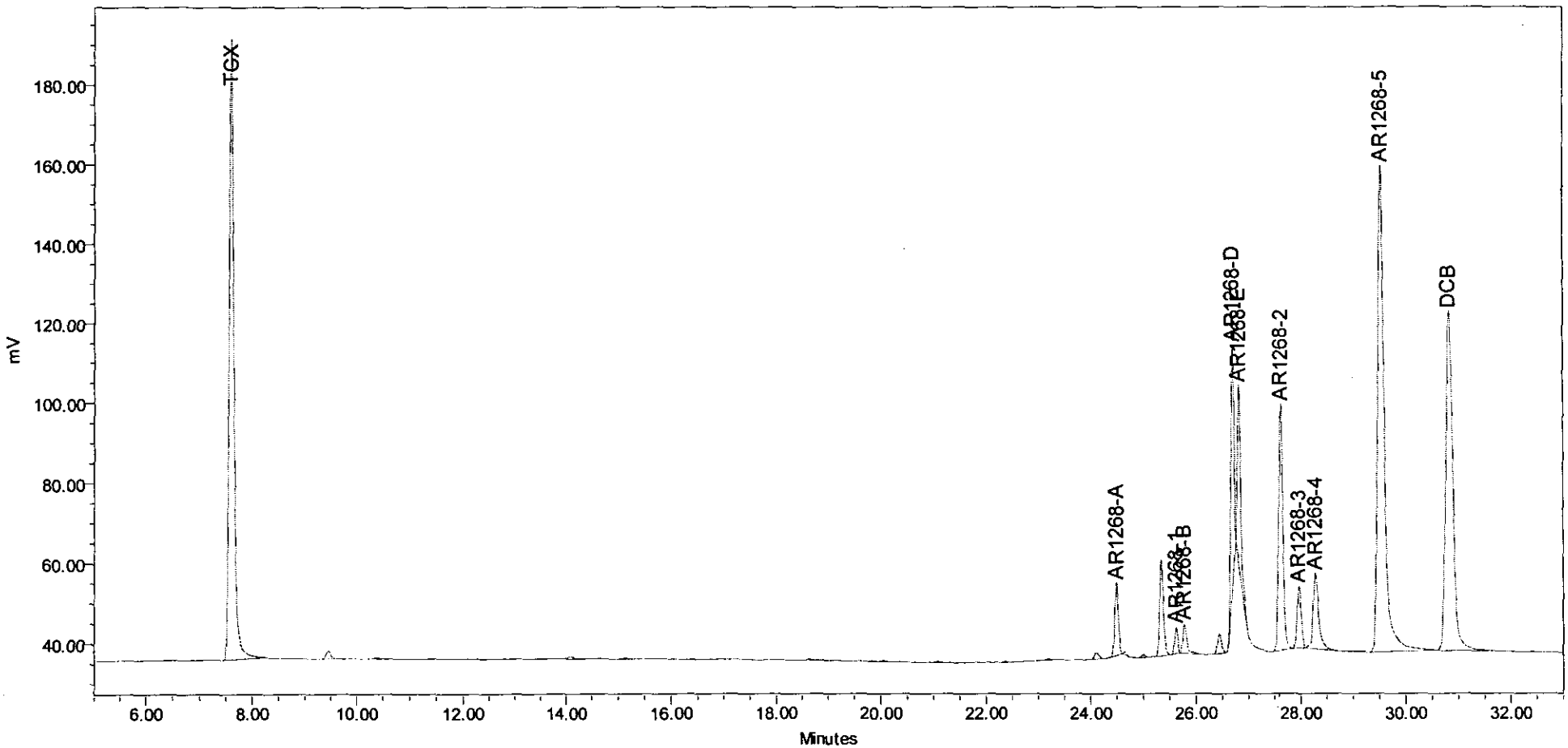
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 1:49:06 AM

Project Name GC12_Project_2004



SampleName AR1268 @ 0.40 ug/mL CYCLES 6 Channel SATIN Date Acquired 08/18/04 1:49:06 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010124

CLIENT: Lionville Laboratory, Inc. CYCLES 6 **Method 8082**

SampleName AR1268 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:20:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 1:49:06 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.599	980607	155462	BB	0.080
2	AR1268-A	24.484	83409	18132	BB	0.400
3	AR1268-1	25.619	28312	6704	BB	0.400
4	AR1268-B	25.774	39035	7275	BB	0.400
5	AR1268-D	26.688	241908	60602	BB	0.400
6	AR1268-E	26.808	195038	45002	BB	0.400
7	AR1268-2	27.611	350282	61549	BB	0.400
8	AR1268-3	27.965	86761	15387	BB	0.400
9	AR1268-4	28.280	138784	18839	BB	0.400
10	AR1268-5	29.522	1074848	122228	BB	0.400
11	DCB	30.826	807120	84852	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010125

CLIENT: Lionville Laboratory, Inc. CYCLES 7 **Method 8082**

SampleName AR1660 @ 0.05 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:06 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

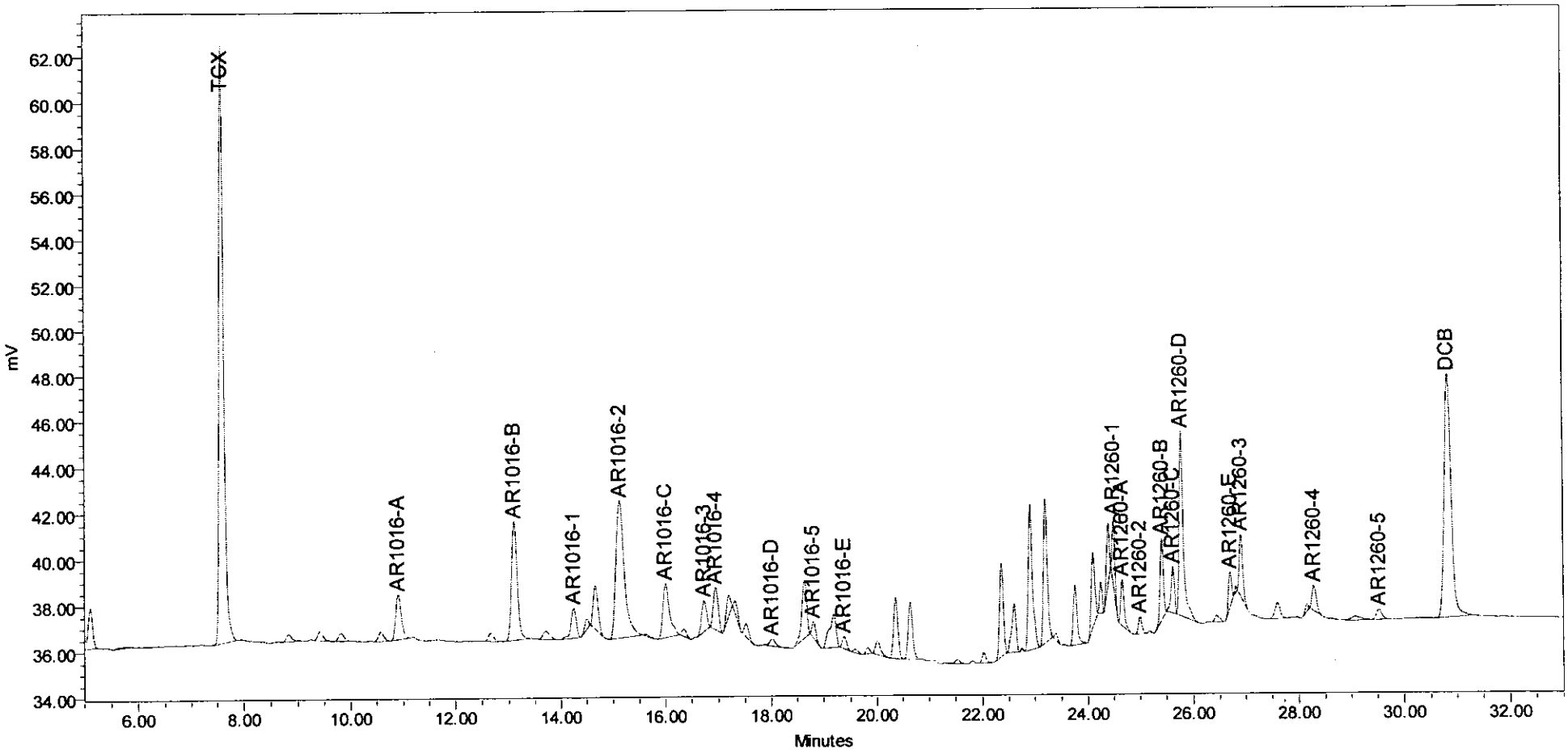
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 2:40:14 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.05 ug/mL CYCLES 7 Channel SATIN Date Acquired 08/18/04 2:40:14 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010126

CLIENT: Lionville Laboratory, Inc. CYCLES 7 **Method 8082**

Project: 10780.01.005

SampleName AR1660 @ 0.05 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:06 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 2:40:14 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.597	155356	26126	BB	0.010
2	AR1016-A	10.907	14254	1962	BB	0.050
3	AR1016-B	13.111	38531	5142	BB	0.050
4	AR1016-1	14.255	9519	1309	BB	0.050
5	AR1016-2	15.129	66456	5950	BB	0.050
6	AR1016-C	16.002	20727	2342	BB	0.050
7	AR1016-3	16.732	8639	1341	BB	0.050
8	AR1016-4	16.947	11999	1833	BB	0.050
9	AR1016-D	18.013	2334	305	BB	0.050
10	AR1016-5	18.800	3686	720	BB	0.050
11	AR1016-E	19.380	2933	539	BB	0.050
12	AR1260-1	24.483	10235	2884	BB	0.050
13	AR1260-A	24.651	9300	2011	BB	0.050
14	AR1260-2	24.997	3591	750	BB	0.050
15	AR1260-B	25.414	14775	3525	BB	0.050
16	AR1260-C	25.621	8833	2017	BB	0.050
17	AR1260-D	25.774	43135	8028	BB	0.050
18	AR1260-E	26.699	6417	1499	BB	0.050
19	AR1260-3	26.906	12284	2701	BB	0.050
20	AR1260-4	28.281	6277	1097	BB	0.050
21	AR1260-5	29.529	3294	443	BB	0.050
22	DCB	30.828	95748	10558	BB	0.010

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010127

CLIENT: Lionville Laboratory, Inc. CYCLES 8 **Method 8082**

Project: 10780.01.005

SampleName AR1660 @ 0.10 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:05 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

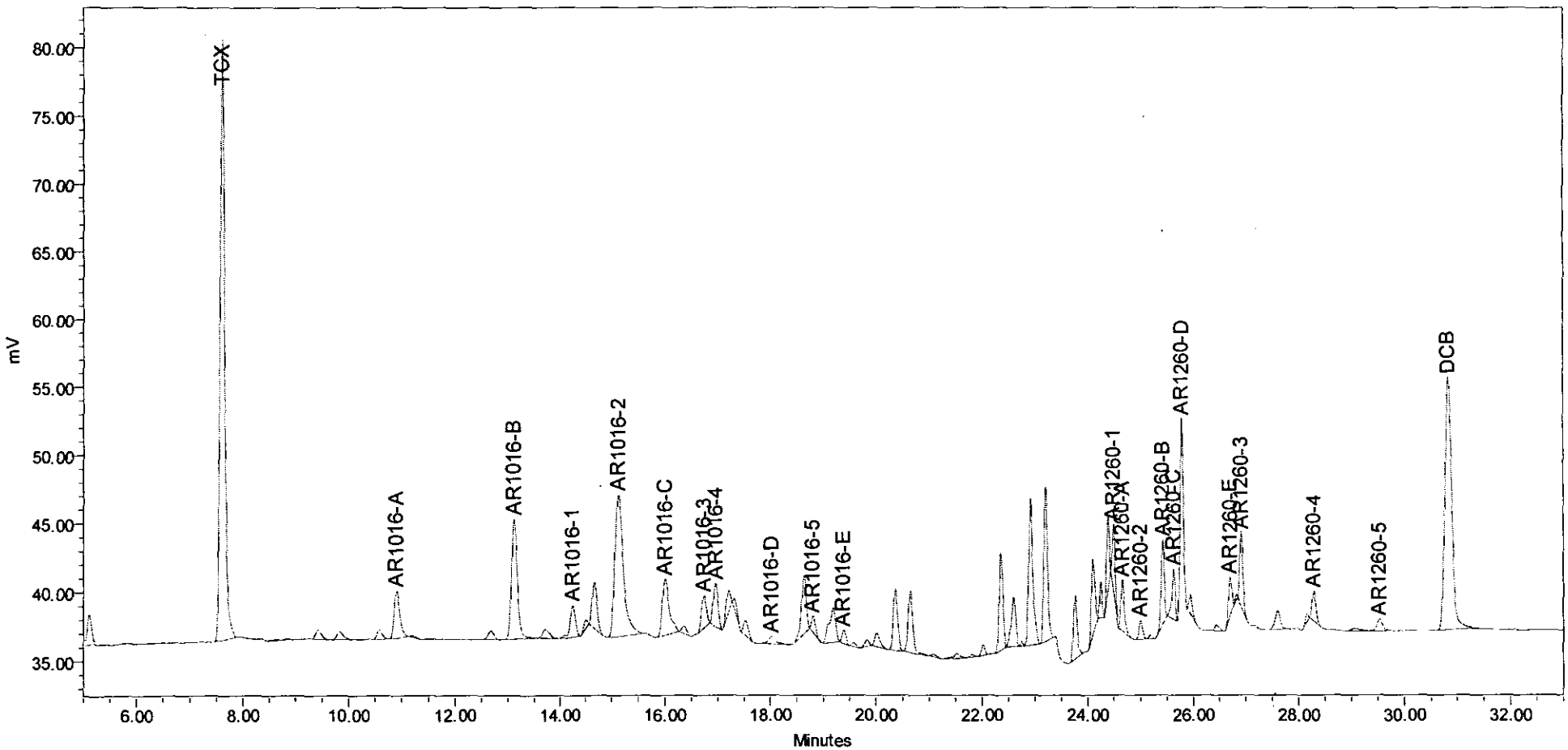
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 3:31:15 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.10 ug/mL CYCLES 8 Channel SATIN Date Acquired 08/18/04 3:31:15 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010128

CLIENT: Lionville Laboratory, Inc. CYCLES 8 **Method 8082**

Project: 10780.01.005

SampleName AR1660 @ 0.10 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:05 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 3:31:15 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.600	264772	44079	BB	0.020
2	AR1016-A	10.908	25071	3416	BB	0.100
3	AR1016-B	13.113	67002	8748	BB	0.100
4	AR1016-1	14.251	16842	2293	BB	0.100
5	AR1016-2	15.128	116186	10311	BB	0.100
6	AR1016-C	16.005	36746	4106	BB	0.100
7	AR1016-3	16.730	15542	2418	BB	0.100
8	AR1016-4	16.949	20440	3139	BB	0.100
9	AR1016-D	18.018	5068	537	BB	0.100
10	AR1016-5	18.802	6322	1217	BB	0.100
11	AR1016-E	19.381	5161	958	BB	0.100
12	AR1260-1	24.483	17734	4937	BB	0.100
13	AR1260-A	24.651	17158	3727	BB	0.100
14	AR1260-2	24.995	6423	1378	BB	0.100
15	AR1260-B	25.413	25834	6181	BB	0.100
16	AR1260-C	25.619	16417	3700	BB	0.100
17	AR1260-D	25.771	64670	14438	BB	0.100
18	AR1260-E	26.697	12136	2836	BB	0.100
19	AR1260-3	26.905	23327	5385	BB	0.100
20	AR1260-4	28.281	11779	2191	BB	0.100
21	AR1260-5	29.521	6399	848	BB	0.100
22	DCB	30.827	169275	18458	BB	0.020

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010129

CLIENT: Lionville Laboratory, Inc. CYCLES 9 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.20 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

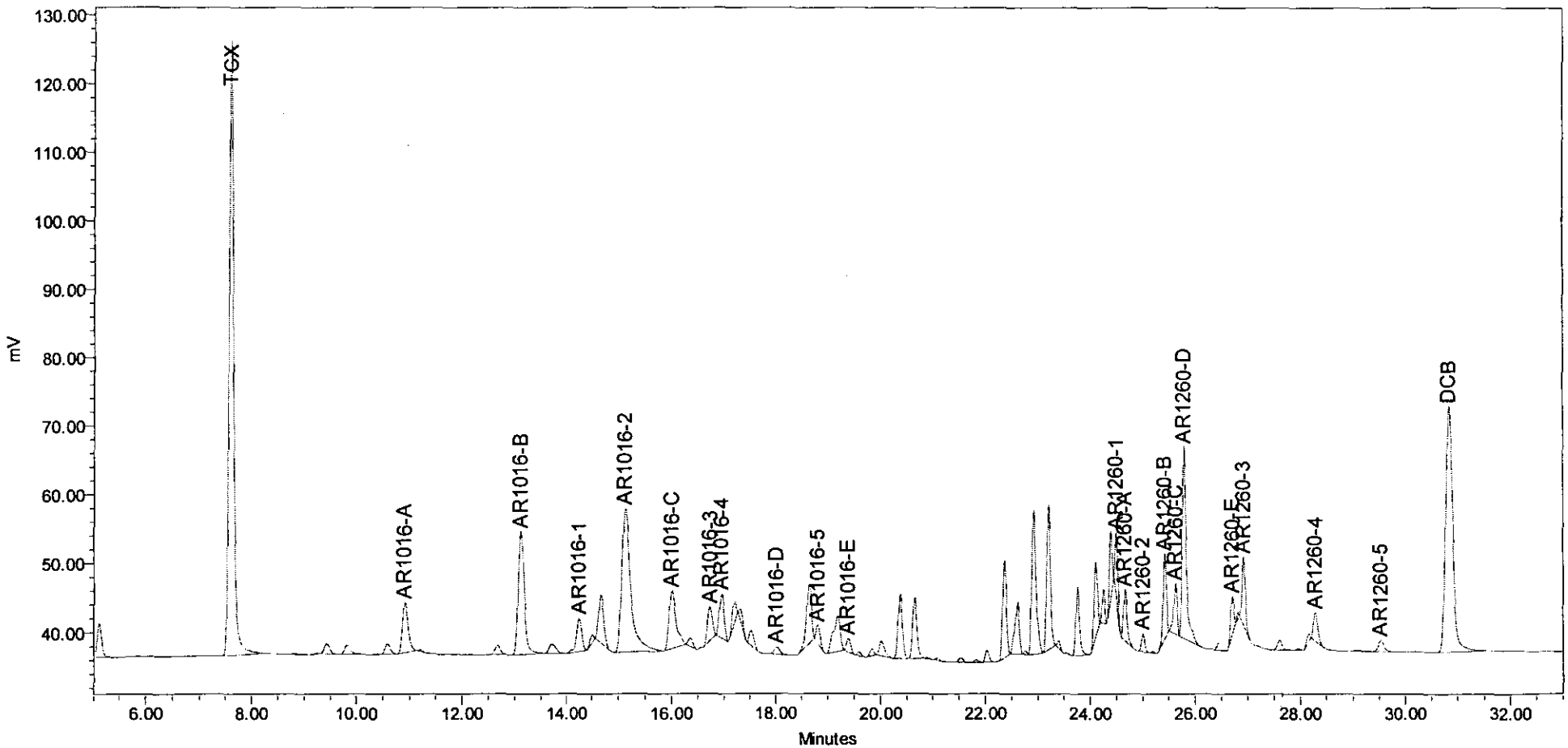
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 4:22:23 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.20 ug/mL CYCLES 9 Channel SATIN Date Acquired 08/18/04 4:22:23 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010130

CLIENT: Lionville Laboratory, Inc. CYCLES 9 **Method 8082**

SampleName AR1660 @ 0.20 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 4:22:23 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.601	563730	89849	BB	0.040
2	AR1016-A	10.911	53221	7222	BB	0.200
3	AR1016-B	13.116	140096	17810	BB	0.200
4	AR1016-1	14.253	36063	4869	BB	0.200
5	AR1016-2	15.130	250119	20781	BB	0.200
6	AR1016-C	16.008	75019	8301	BB	0.200
7	AR1016-3	16.735	31067	4854	BB	0.200
8	AR1016-4	16.952	41946	6411	BB	0.200
9	AR1016-D	18.014	7903	1050	BB	0.200
10	AR1016-5	18.810	13343	2596	BB	0.200
11	AR1016-E	19.384	10714	1986	BB	0.200
12	AR1260-1	24.484	34366	9381	BB	0.200
13	AR1260-A	24.652	33900	7322	BB	0.200
14	AR1260-2	25.000	11621	2598	BB	0.200
15	AR1260-B	25.414	52753	12317	BB	0.200
16	AR1260-C	25.620	32480	7252	BB	0.200
17	AR1260-D	25.774	150173	27834	BB	0.200
18	AR1260-E	26.697	23375	5545	BB	0.200
19	AR1260-3	26.906	43648	9775	BB	0.200
20	AR1260-4	28.282	23096	4070	BB	0.200
21	AR1260-5	29.529	13187	1729	BB	0.200
22	DCB	30.828	338696	35626	BB	0.040

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010131

CLIENT: Lionville Laboratory, Inc. CYCLES 10 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:03 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

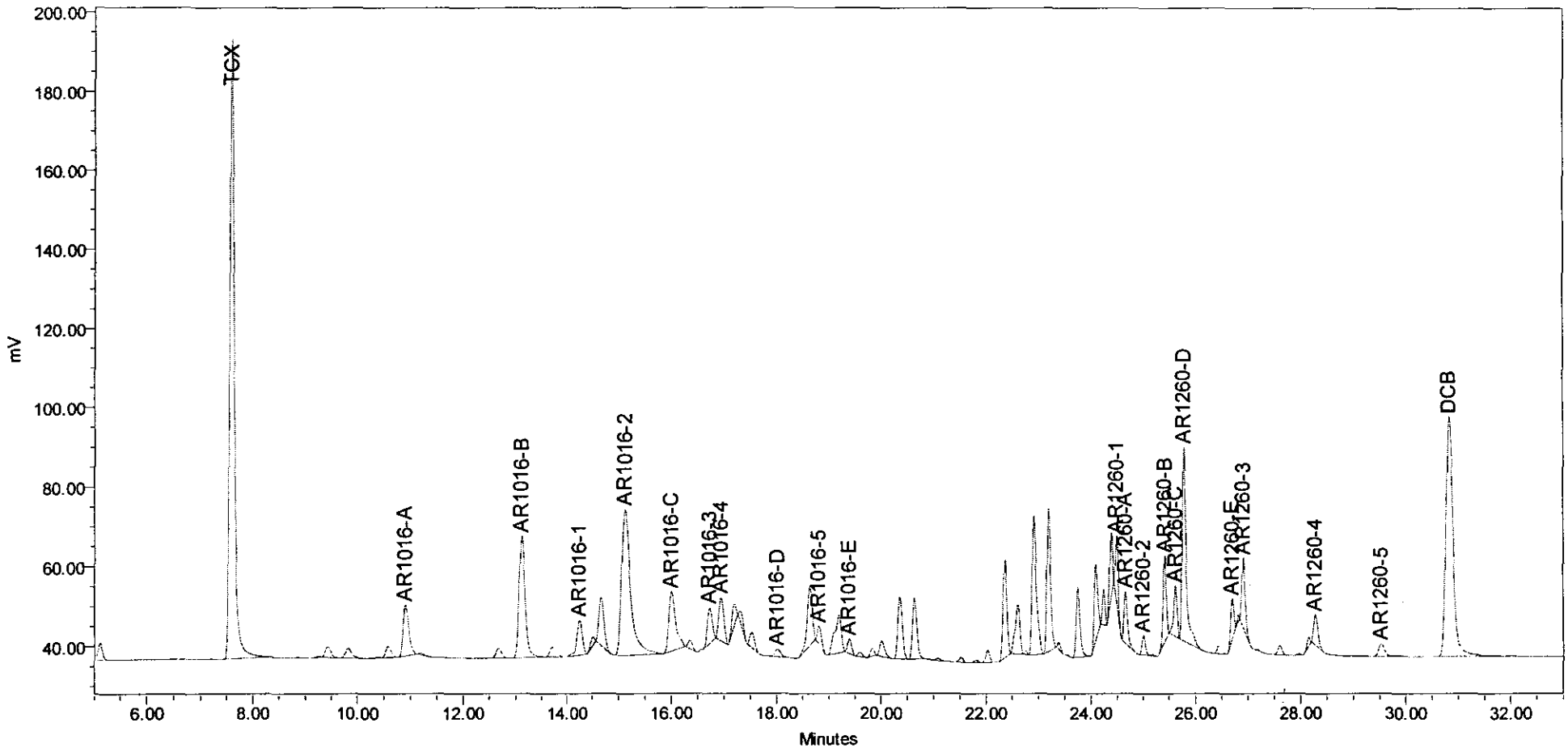
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 5:13:26 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.40 ug/mL CYCLES 10 Channel SATIN Date Acquired 08/18/04 5:13:26 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010132

CLIENT: Lionville Laboratory, Inc. CYCLES 10 **Method 8082**

SampleName AR1660 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:03 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 5:13:26 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.598	978211	156318	BB	0.080
2	AR1016-A	10.909	94257	12803	BB	0.400
3	AR1016-B	13.113	241771	30415	BB	0.400
4	AR1016-1	14.252	65144	8750	BB	0.400
5	AR1016-2	15.125	437356	36559	BB	0.400
6	AR1016-C	16.004	134205	14890	BB	0.400
7	AR1016-3	16.732	57079	8868	BB	0.400
8	AR1016-4	16.947	72868	10929	BB	0.400
9	AR1016-D	18.017	14041	1874	BB	0.400
10	AR1016-5	18.801	24498	4659	BB	0.400
11	AR1016-E	19.382	19776	3657	BB	0.400
12	AR1260-1	24.483	59587	16354	BB	0.400
13	AR1260-A	24.649	60470	13078	BB	0.400
14	AR1260-2	24.997	21468	4773	BB	0.400
15	AR1260-B	25.413	92567	21523	BB	0.400
16	AR1260-C	25.619	57047	12856	BB	0.400
17	AR1260-D	25.773	266548	48753	BB	0.400
18	AR1260-E	26.697	42758	9995	BB	0.400
19	AR1260-3	26.904	78263	17504	BB	0.400
20	AR1260-4	28.279	42839	7664	BB	0.400
21	AR1260-5	29.528	25463	3224	BB	0.400
22	DCB	30.825	584613	60193	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010133

CLIENT: Lionville Laboratory, Inc. CYCLES 11 **Method 8082**

SampleName AR1660 @ 0.80ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

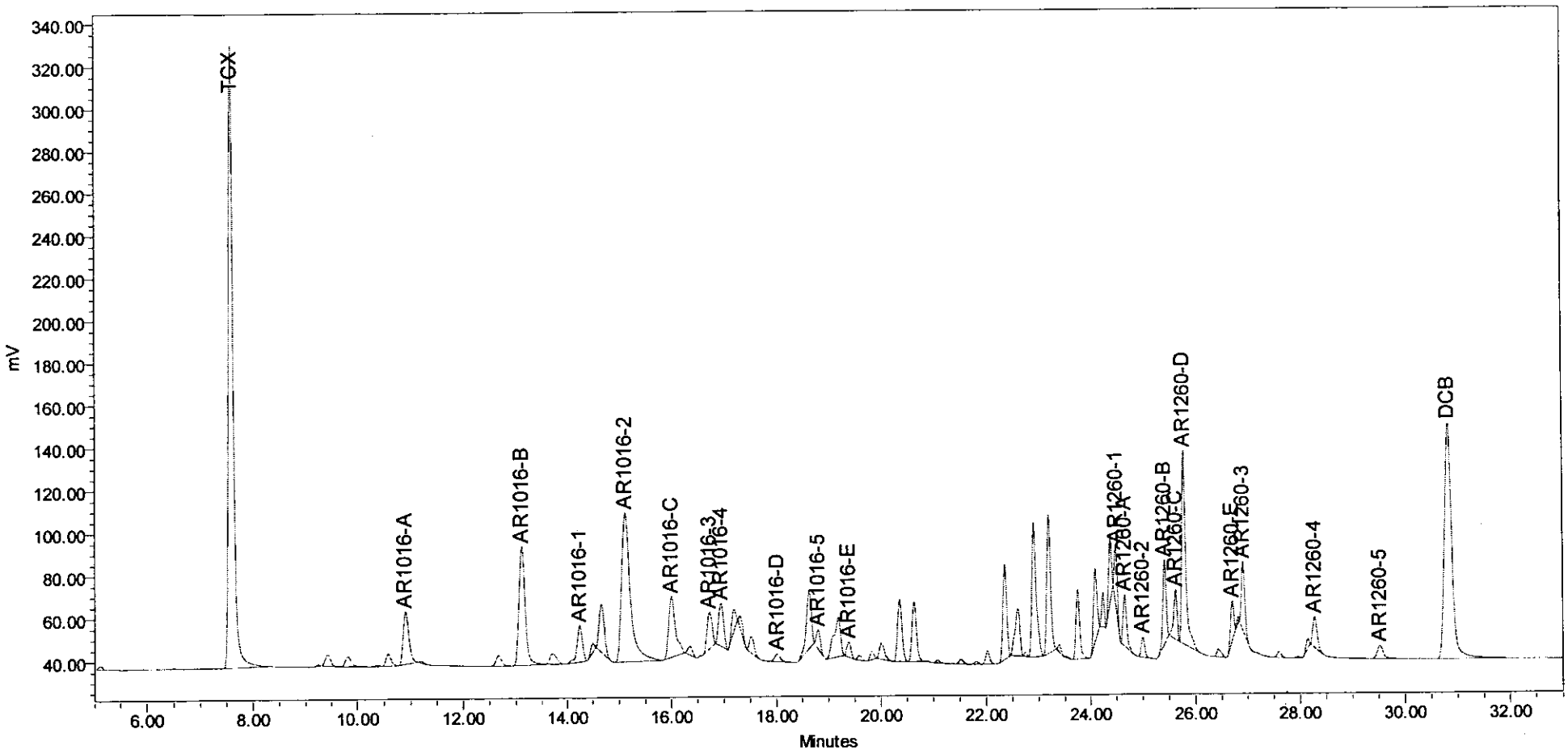
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:04:35 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.80ug/mL CYCLES 11 Channel SATIN Date Acquired 08/18/04 6:04:35 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010134

CLIENT: Lionville Laboratory, Inc. CYCLES 11 **Method 8082**

SampleName AR1660 @ 0.80ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:02 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:04:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.598	1836696	292948	BB	0.160
2	AR1016-A	10.908	181201	24622	BB	0.800
3	AR1016-B	13.113	448401	55760	BB	0.800
4	AR1016-1	14.252	127987	17103	BB	0.800
5	AR1016-2	15.122	817979	69778	BB	0.800
6	AR1016-C	16.004	257247	28356	BB	0.800
7	AR1016-3	16.730	113285	17112	BB	0.800
8	AR1016-4	16.947	133630	20091	BB	0.800
9	AR1016-D	18.015	27385	3701	BB	0.800
10	AR1016-5	18.810	46600	8971	BB	0.800
11	AR1016-E	19.384	38709	7065	BB	0.800
12	AR1260-1	24.487	105841	28916	BB	0.800
13	AR1260-A	24.649	113640	24087	BB	0.800
14	AR1260-2	24.996	42936	9492	BB	0.800
15	AR1260-B	25.411	169842	39221	BB	0.800
16	AR1260-C	25.619	104867	23099	BB	0.800
17	AR1260-D	25.769	483978	90677	BB	0.800
18	AR1260-E	26.696	79212	18460	BB	0.800
19	AR1260-3	26.902	145007	32226	BB	0.800
20	AR1260-4	28.277	81303	14386	BB	0.800
21	AR1260-5	29.523	51139	6406	BB	0.800
22	DCB	30.824	1071208	110549	BB	0.160

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010135

CLIENT: Lionville Laboratory, Inc. CYCLES 12 **Method 8082**

SampleName AR1660 @ 1.60 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:01 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

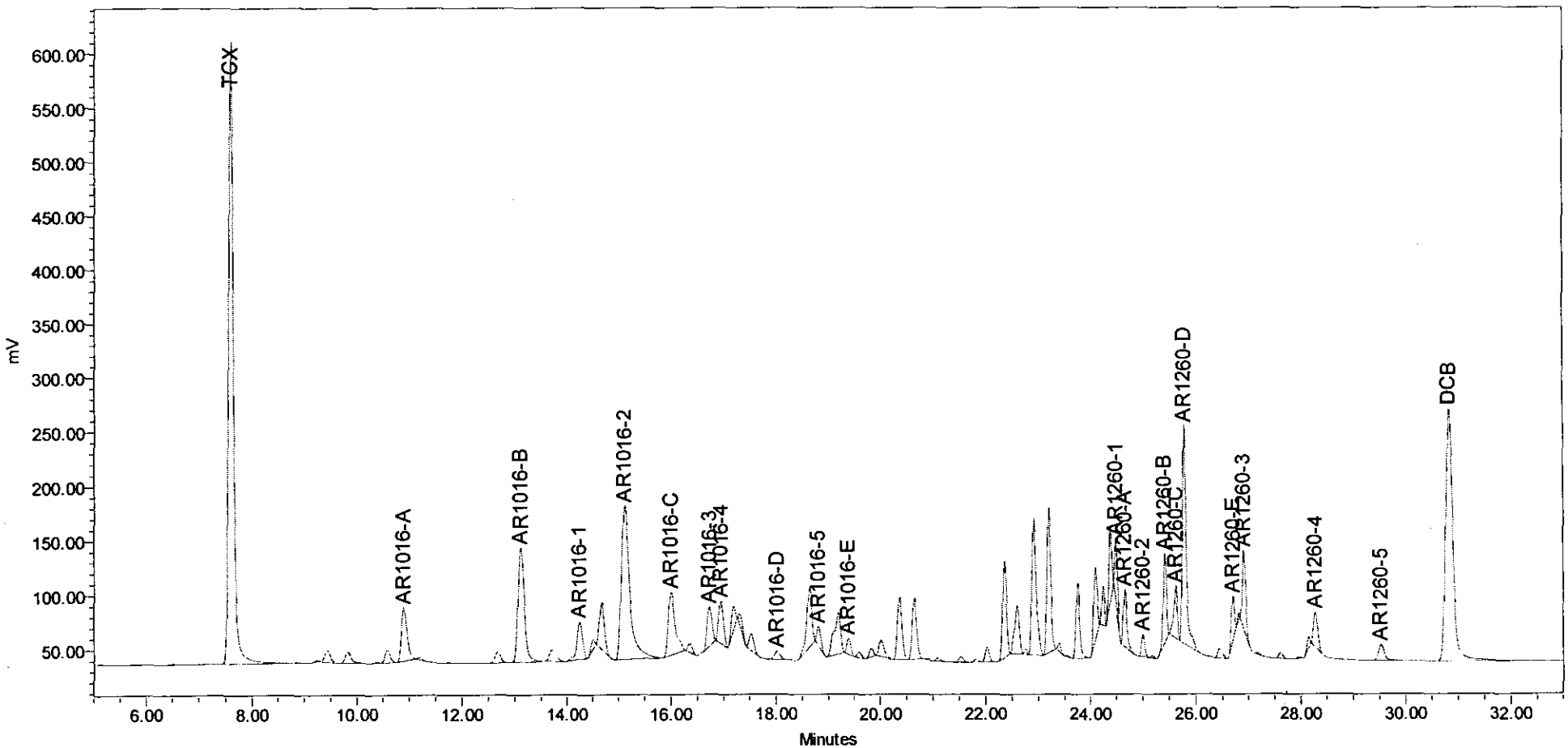
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:55:39 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 1.60 ug/mL CYCLES 12 Channel SATIN Date Acquired 08/18/04 6:55:39 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010136

CLIENT: Lionville Laboratory, Inc. CYCLES 12 **Method 8082**

SampleName AR1660 @ 1.60 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:01 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:55:39 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.596	3653761	575671	BB	0.320
2	AR1016-A	10.905	360258	49036	BB	1.600
3	AR1016-B	13.112	863489	105591	BB	1.600
4	AR1016-1	14.252	263379	34400	BB	1.600
5	AR1016-2	15.118	1618019	140880	BB	1.600
6	AR1016-C	16.002	518817	57889	BB	1.600
7	AR1016-3	16.729	237671	36050	BB	1.600
8	AR1016-4	16.947	258702	39139	BB	1.600
9	AR1016-D	18.018	57260	7762	BB	1.600
10	AR1016-5	18.805	96136	18085	BB	1.600
11	AR1016-E	19.386	81489	14926	BB	1.600
12	AR1260-1	24.482	214843	59756	BB	1.600
13	AR1260-A	24.651	245391	52648	BB	1.600
14	AR1260-2	24.997	91209	20595	BB	1.600
15	AR1260-B	25.412	354239	82067	BB	1.600
16	AR1260-C	25.619	225022	47929	BB	1.600
17	AR1260-D	25.772	1032317	200522	BB	1.600
18	AR1260-E	26.697	174116	40107	BB	1.600
19	AR1260-3	26.901	317875	71865	BB	1.600
20	AR1260-4	28.279	180614	32280	BB	1.600
21	AR1260-5	29.528	116507	14886	BB	1.600
22	DCB	30.825	2234752	231412	BB	0.320

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010137

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082** **Project: 10780.01.005**

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

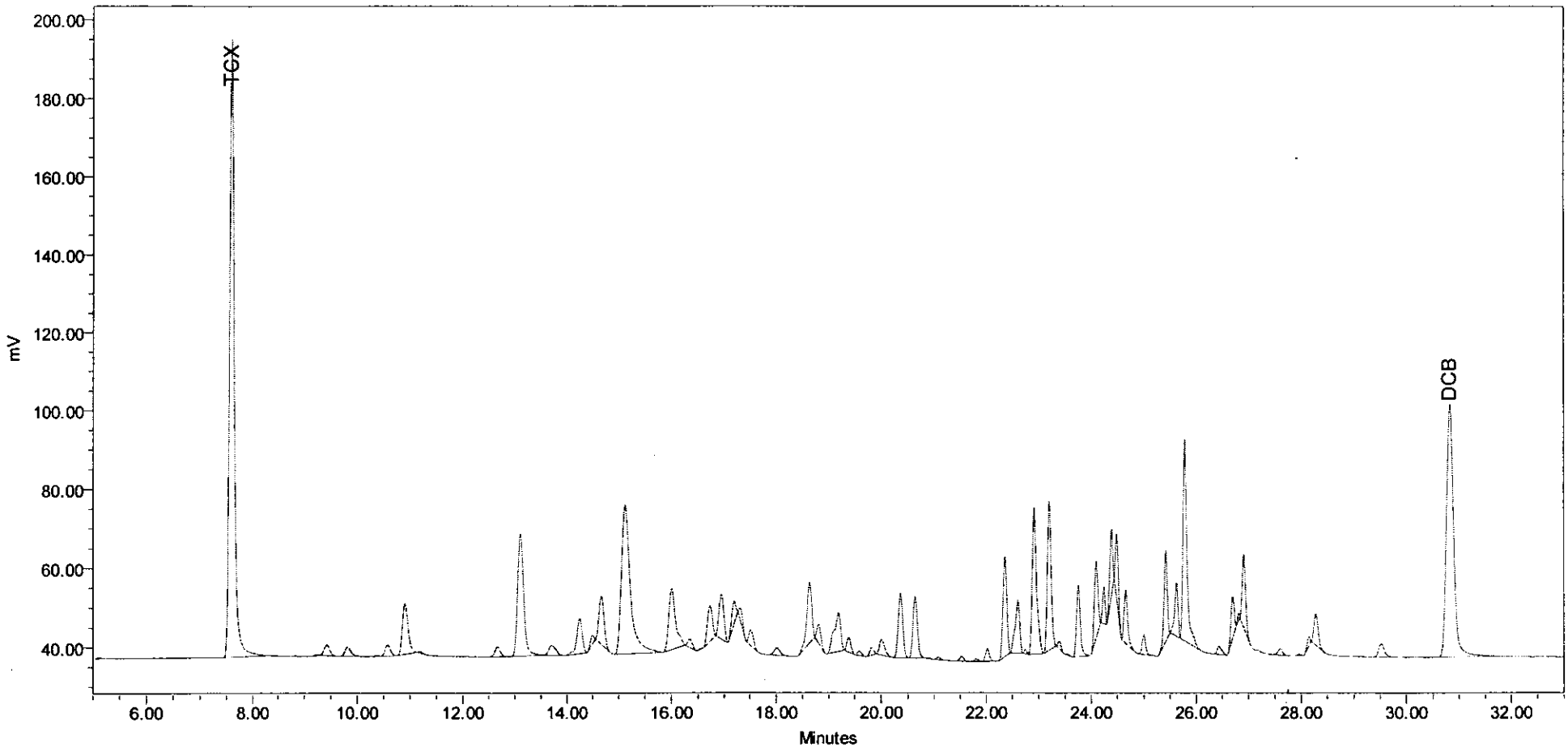
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004



SampleName ICV @ 0.40 ug/mL CYCLES 14 Channel SATIN Date Acquired 08/18/04 8:37:50 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010138

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082**

Project: 10780.01.005

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.112	1697	298	BB
2		5.656	210	30	BB
3		6.504	909	158	BB
4	TCX	7.596	994508	157989	BB
5		8.832	757	117	BB
6		9.245	1543	344	BB
7		9.430	20145	2751	BB
8		9.818	20155	2423	BB
9		10.370	1105	192	BB
10		10.577	19744	2857	BB
11		10.905	95601	12872	BB
12		11.197	2392	459	BB
13		12.663	18432	2530	BB
14		13.109	246334	30993	BB

	Name	RT	Area	Height	Int Type
15		13.702	23401	2509	BB
16		14.247	66746	8987	BB
17		14.490	10577	2266	BB
18		14.665	82084	12153	BB
19		15.121	449244	37543	BB
20		16.001	137217	15319	BB
21		16.344	13291	2181	BB
22		16.547	766	224	BB
23		16.726	58678	9038	BB
24		16.943	74601	11280	BB
25		17.180	32045	5860	BB
26		17.323	15618	3237	BB
27		17.523	24577	3994	BB
28		18.014	14556	1952	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010139

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082** **Project: 10780.01.005**

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		18.631	100810	15328	BB
30		18.800	25256	4830	BB
31		19.182	88343	9840	BB
32		19.381	20549	3815	BB
33		19.582	6649	1202	BB
34		19.823	10239	1960	BB
35		20.008	27621	3998	BB
36		20.356	97951	16247	BB
37		20.634	92317	15465	BB
38		20.893	1015	203	BB
39		21.071	3744	685	BB
40		21.518	7090	1273	BB
41		21.811	3488	670	BB
42		22.021	16672	3305	BB
43		22.354	127298	25316	BB
44		22.600	81051	13189	BB

	Name	RT	Area	Height	Int Type
45		22.746	3797	1132	BB
46		22.905	212740	37064	BB
47		23.190	190296	37856	BB
48		23.393	7584	1940	BB
49		23.537	1068	282	BB
50		23.750	92035	18092	BB
51		24.093	90920	19509	BB
52		24.238	31359	9213	BB
53		24.382	65764	16900	BB
54		24.480	61463	16535	BB
55		24.649	63664	13544	BB
56		24.996	23884	5155	BB
57		25.412	97664	22765	BB
58		25.617	59911	13508	BB
59		25.769	273098	51237	BB
60		26.432	12692	2089	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010140

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082**

Project: 10780.01.005

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		26.694	45302	10552	BB
62		26.807	4475	1938	BB
63		26.903	81137	18323	BB
64		27.602	10231	1698	BB
65		27.964	1723	368	BB
66		28.143	9618	2457	BB
67		28.279	44600	7793	BB
68		29.086	1226	116	BB
69		29.522	26652	3426	BB
70	DCB	30.825	609731	64018	BB
71		33.373	460	51	BB
72		34.013	244	38	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010141

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082**

Project: 10780.01.005

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

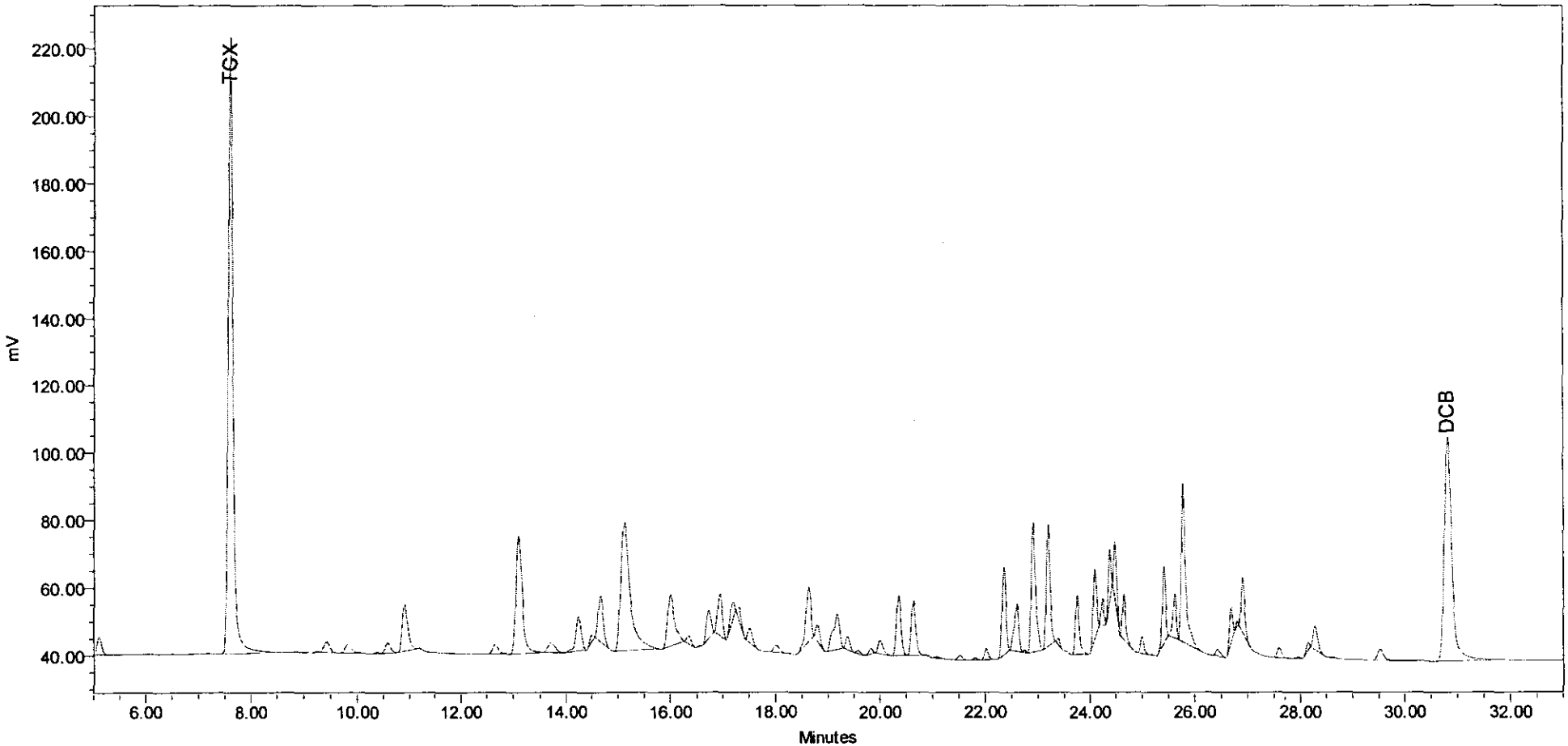
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004



SampleName CCV_10 CYCLES 64 Channel SATIN Date Acquired 08/24/04 3:34:51 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010142

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082**

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.105	31313	5393	BB
2		5.706	411	64	BB
3		5.858	240	45	BB
4		6.515	943	147	BB
5		7.183	594	106	BB
6	TCX	7.591	1179811	183082	BB
7		8.554	440	55	BB
8		8.832	1183	150	BB
9		9.233	1670	377	BB
10		9.425	23246	3073	BB
11		9.818	22578	2649	BB
12		10.375	1413	239	BB
13		10.575	21549	3022	BB
14		10.905	104081	13655	BB

	Name	RT	Area	Height	Int Type
15		12.657	20762	2859	BB
16		13.103	279719	34789	BB
17		13.695	26566	2882	BB
18		14.241	75071	9969	BB
19		14.483	8519	1951	BB
20		14.657	92314	13370	BB
21		15.119	479328	37766	BB
22		15.997	138436	15171	BB
23		16.343	14165	2354	BB
24		16.540	1056	303	BB
25		16.725	52972	8143	BB
26		16.935	80387	12252	BB
27		17.173	31638	5907	BB
28		17.317	18403	3749	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010143

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082**

Project: 10780.01.005

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		17.509	26772	4293	BB
30		18.001	16191	2152	BB
31		18.623	106908	16176	BB
32		18.794	26360	5041	BB
33		19.175	92671	10262	BB
34		19.369	21673	3955	BB
35		19.579	5438	974	BB
36		19.819	8066	1609	BB
37		19.995	27155	3999	BB
38		20.351	106652	17720	BB
39		20.631	96598	16063	BB
40		20.890	826	228	BB
41		21.066	2890	488	BB
42		21.514	8394	1436	BB
43		21.803	3417	659	BB
44		22.018	17330	3369	BB

	Name	RT	Area	Height	Int Type
45		22.350	132131	25826	BB
46		22.595	85572	13965	BB
47		22.736	2378	739	BB
48		22.899	224335	38407	BB
49		23.186	184164	36277	BB
50		23.387	7499	1923	BB
51		23.745	92792	17600	BB
52		24.087	96892	20801	BB
53		24.234	27024	7807	BB
54		24.378	54237	14499	BB
55		24.476	64917	17533	BB
56		24.643	60679	13363	BB
57		24.991	22748	5110	BB
58		25.177	726	207	BB
59		25.406	100157	22950	BB
60		25.614	58891	13082	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010144

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082** **Project: 10780.01.005**

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		25.768	278154	46960	BB
62		26.427	13032	2140	BB
63		26.691	42059	10169	BB
64		26.801	4929	2057	BB
65		26.900	76914	16379	BB
66		27.593	18004	3085	BB
67		27.956	1922	393	BB
68		28.140	9651	2391	BB
69		28.274	42887	7059	BB
70		29.090	909	88	BB
71		29.517	28735	3466	BB
72		30.174	408	55	BB
73	DCB	30.814	662387	66145	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010145

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082**

Project: 10780.01.005

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

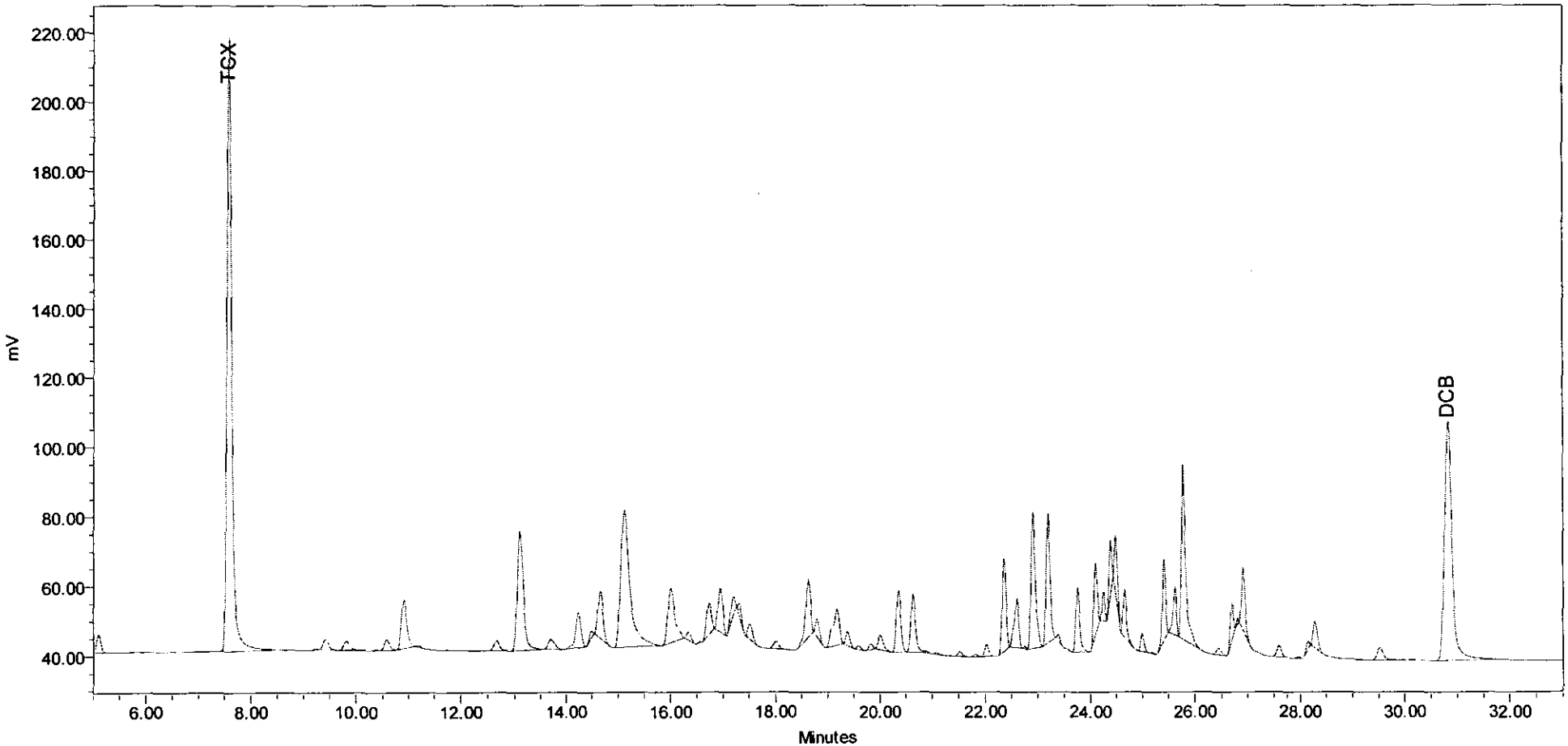
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004



SampleName CCV_11 CYCLES 78 Channel SATIN Date Acquired 08/25/04 3:30:29 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010146

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082**

Project: 10780.01.005

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.104	30215	5199	BB
2		5.711	633	69	BB
3		6.493	791	142	BB
4		6.949	346	34	BB
5		7.198	536	64	BB
6	TCX	7.590	1141796	177310	BB
7		8.611	409	59	BB
8		8.833	737	120	BB
9		9.233	1862	394	BB
10		9.426	22450	2984	BB
11		9.814	22065	2616	BB
12		10.368	1389	239	BB
13		10.573	21163	3012	BB
14		10.902	104017	13859	BB

	Name	RT	Area	Height	Int Type
15		11.193	2418	461	BB
16		12.658	20381	2807	BB
17		13.102	275976	34324	BB
18		13.697	26142	2818	BB
19		14.240	74331	9952	BB
20		14.487	9459	2093	BB
21		14.654	91126	13409	BB
22		15.119	487198	39276	BB
23		15.993	143633	15668	BB
24		16.335	14339	2403	BB
25		16.543	878	269	BB
26		16.722	58224	8978	BB
27		16.933	80717	12240	BB
28		17.173	33333	6152	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010147

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082** **Project: 10780.01.005**

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		17.317	17136	3579	BB
30		17.513	27313	4375	BB
31		18.002	15594	2096	BB
32		18.622	108052	16441	BB
33		18.792	26429	5098	BB
34		19.176	93814	10415	BB
35		19.371	21431	3996	BB
36		19.575	5933	1055	BB
37		19.819	9093	1784	BB
38		19.997	28668	4239	BB
39		20.351	107166	17584	BB
40		20.628	105544	16747	BB
41		21.069	3144	577	BB
42		21.514	7883	1380	BB
43		21.805	3671	725	BB
44		22.018	17631	3418	BB

	Name	RT	Area	Height	Int Type
45		22.348	135040	26784	BB
46		22.594	86551	14039	BB
47		22.740	2648	796	BB
48		22.900	228258	39120	BB
49		23.187	192379	37474	BB
50		23.390	7236	1980	BB
51		23.746	96303	18544	BB
52		24.087	97310	20760	BB
53		24.235	28701	8397	BB
54		24.377	58779	15290	BB
55		24.476	65161	17603	BB
56		24.645	62973	13591	BB
57		24.991	23567	5253	BB
58		25.177	1018	267	BB
59		25.406	102239	23364	BB
60		25.614	60095	13656	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010148

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082**

Project: 10780.01.005

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		25.767	288869	50093	BB
62		26.427	13449	2163	BB
63		26.690	44624	10555	BB
64		26.802	4545	1958	BB
65		26.900	83138	17822	BB
66		27.593	20150	3362	BB
67		27.953	1877	391	BB
68		28.137	9692	2466	BB
69		28.275	45283	7652	BB
70		29.085	713	74	BB
71		29.518	30028	3609	BB
72		30.143	284	42	BB
73		30.330	212	37	BB
74	DCB	30.813	681407	68461	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010149

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082** **Project: 10780.01.005**

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

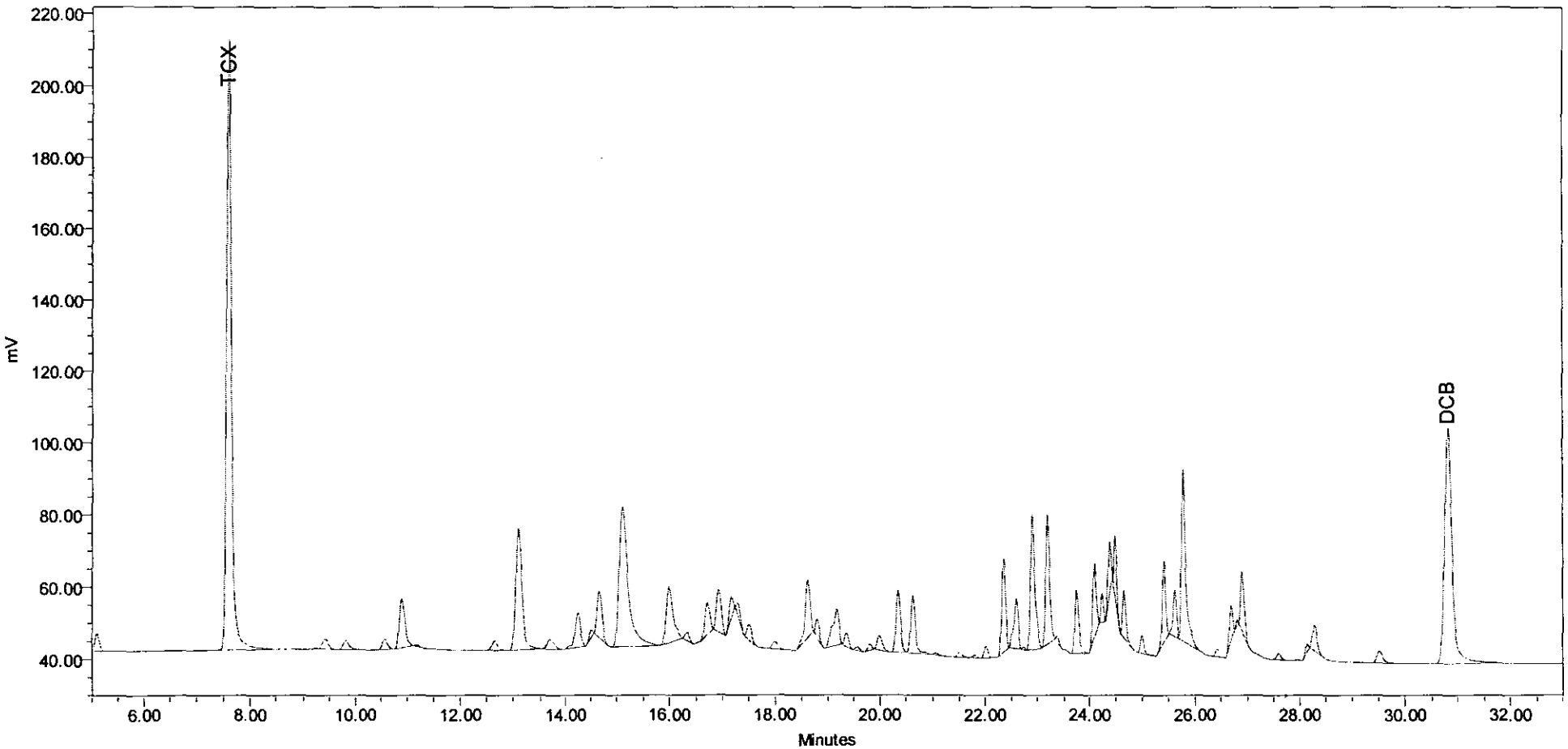
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004



SampleName CCV_12 CYCLES 90 Channel SATIN Date Acquired 08/25/04 1:43:28 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010150

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082** **Project: 10780.01.005**

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.103	28325	4924	BB
2		5.722	235	33	BB
3		6.486	1099	163	BB
4		6.952	245	149	BB
5		7.195	292	48	BB
6	TCX	7.588	1099751	170579	BB
7		8.554	257	53	BB
8		8.850	552	107	BB
9		9.236	1625	355	BB
10		9.424	21550	2857	BB
11		9.814	21150	2542	BB
12		10.374	1265	218	BB
13		10.571	20425	2941	BB
14		10.898	101425	13580	BB

	Name	RT	Area	Height	Int Type
15		11.190	2478	463	BB
16		12.218	221	42	BB
17		12.656	19586	2706	BB
18		13.097	266441	33386	BB
19		13.692	24908	2689	BB
20		14.239	71646	9586	BB
21		14.483	9399	2070	BB
22		14.654	88212	12994	BB
23		15.112	474789	38745	BB
24		15.991	139476	15470	BB
25		16.334	13968	2287	BB
26		16.530	758	209	BB
27		16.717	57075	8848	BB
28		16.931	78282	11780	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010151

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082** **Project: 10780.01.005**

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		17.170	32799	6100	BB
30		17.313	17369	3709	BB
31		17.507	26501	4211	BB
32		17.999	15137	2045	BB
33		18.619	104828	15881	BB
34		18.797	25752	4973	BB
35		19.174	90726	10065	BB
36		19.370	20984	3826	BB
37		19.577	5804	1021	BB
38		19.815	8541	1708	BB
39		19.995	27724	4012	BB
40		20.350	103550	17188	BB
41		20.628	101441	15973	BB
42		21.068	2869	540	BB
43		21.511	7949	1330	BB
44		21.808	3538	681	BB

	Name	RT	Area	Height	Int Type
45		22.017	16867	3297	BB
46		22.348	130483	25948	BB
47		22.594	83274	13648	BB
48		22.737	2459	743	BB
49		22.897	220983	37337	BB
50		23.185	185833	35731	BB
51		23.387	6817	1862	BB
52		23.743	92939	17450	BB
53		24.085	95217	20343	BB
54		24.232	27449	7920	BB
55		24.377	55799	14342	BB
56		24.473	62123	16494	BB
57		24.642	60443	13081	BB
58		24.989	22355	4970	BB
59		25.180	875	224	BB
60		25.404	97935	22420	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010152

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082**

Project: 10780.01.005

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		25.612	57498	12785	BB
62		25.766	277877	47212	BB
63		26.427	12879	2154	BB
64		26.689	41132	9825	BB
65		26.801	4595	1928	BB
66		26.898	78424	16596	BB
67		27.597	10734	1759	BB
68		27.957	1686	342	BB
69		28.137	8910	2215	BB
70		28.274	42243	7231	BB
71		29.070	786	78	BB
72		29.516	27723	3343	BB
73	DCB	30.811	652250	65128	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082** **Project: 10780.01.005**

010153

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

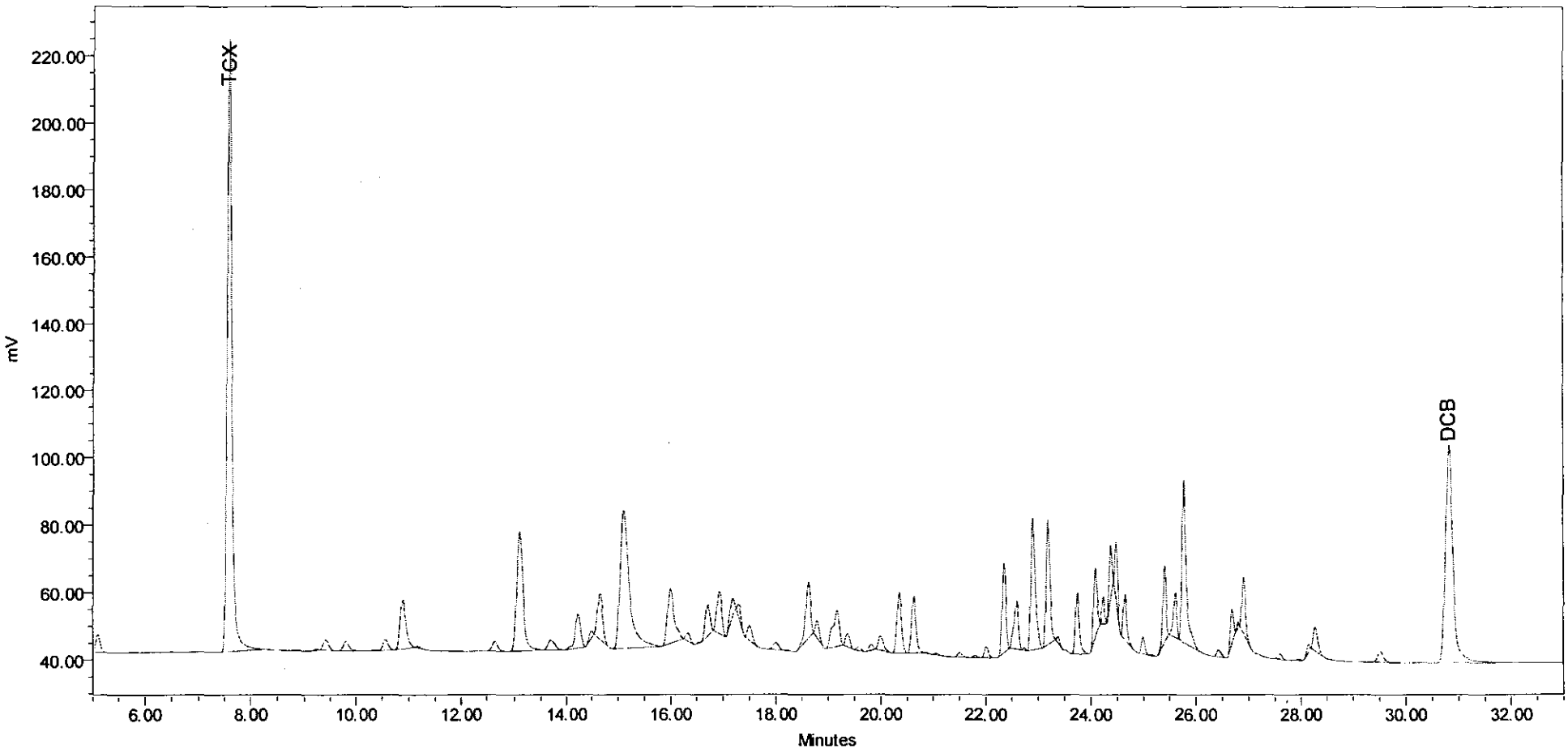
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004



SampleName CCV_13 CYCLES 93 Channel SATIN Date Acquired 08/25/04 4:16:41 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010154

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082**

Project: 10780.01.005

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.103	30757	5295	BB
2		5.690	268	50	BB
3		6.499	854	161	BB
4	TCX	7.589	1168191	182981	BB
5		8.563	247	50	BB
6		8.830	1042	134	BB
7		9.231	1821	404	BB
8		9.422	23154	3093	BB
9		9.811	22941	2768	BB
10		10.370	1488	255	BB
11		10.568	22123	3198	BB
12		10.898	108569	14634	BB
13		11.200	2543	486	BB
14		11.691	1794	127	BB

	Name	RT	Area	Height	Int Type
15		12.656	20884	2883	BB
16		13.100	283462	35412	BB
17		13.694	26942	2890	BB
18		14.237	76229	10202	BB
19		14.480	9916	2201	BB
20		14.655	94011	13720	BB
21		15.114	501388	40882	BB
22		15.992	147671	16190	BB
23		16.343	14570	2439	BB
24		16.540	842	248	BB
25		16.719	60558	9384	BB
26		16.933	82979	12474	BB
27		17.170	33489	6258	BB
28		17.317	18517	3853	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010155

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082** **Project: 10780.01.005**

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		17.509	28343	4499	BB
30		17.998	15752	2154	BB
31		18.622	109849	16757	BB
32		18.791	26988	5196	BB
33		19.175	95947	10638	BB
34		19.372	21926	4085	BB
35		19.576	6010	1084	BB
36		19.816	9319	1821	BB
37		19.996	29051	4252	BB
38		20.351	109119	18045	BB
39		20.629	99355	16799	BB
40		20.883	803	210	BB
41		21.069	3571	570	BB
42		21.514	8010	1414	BB
43		21.804	3627	706	BB
44		22.015	18301	3526	BB

	Name	RT	Area	Height	Int Type
45		22.349	135447	26707	BB
46		22.594	86820	14198	BB
47		22.740	2644	847	BB
48		22.899	228258	39108	BB
49		23.185	191953	37139	BB
50		23.379	7447	1918	BB
51		23.746	95932	17945	BB
52		24.087	97803	20774	BB
53		24.236	28210	8221	BB
54		24.377	57846	15386	BB
55		24.476	64094	17427	BB
56		24.644	61631	13484	BB
57		24.991	22886	5094	BB
58		25.177	923	250	BB
59		25.407	99740	22790	BB
60		25.613	58634	13182	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010156

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082**

Project: 10780.01.005

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		25.766	281899	47970	BB
62		26.427	12903	2169	BB
63		26.690	42264	10050	BB
64		26.804	4313	1776	BB
65		26.901	79136	16789	BB
66		27.601	9845	1714	BB
67		27.952	1744	361	BB
68		28.140	9070	2288	BB
69		28.274	42581	7061	BB
70		29.521	28009	3302	BB
71		30.157	209	36	BB
72	DCB	30.817	648349	64453	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010157

CLIENT: Lionville Laboratory, Inc. CYCLES 1 **Method 8082**

SampleName AR1221 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:13:03 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

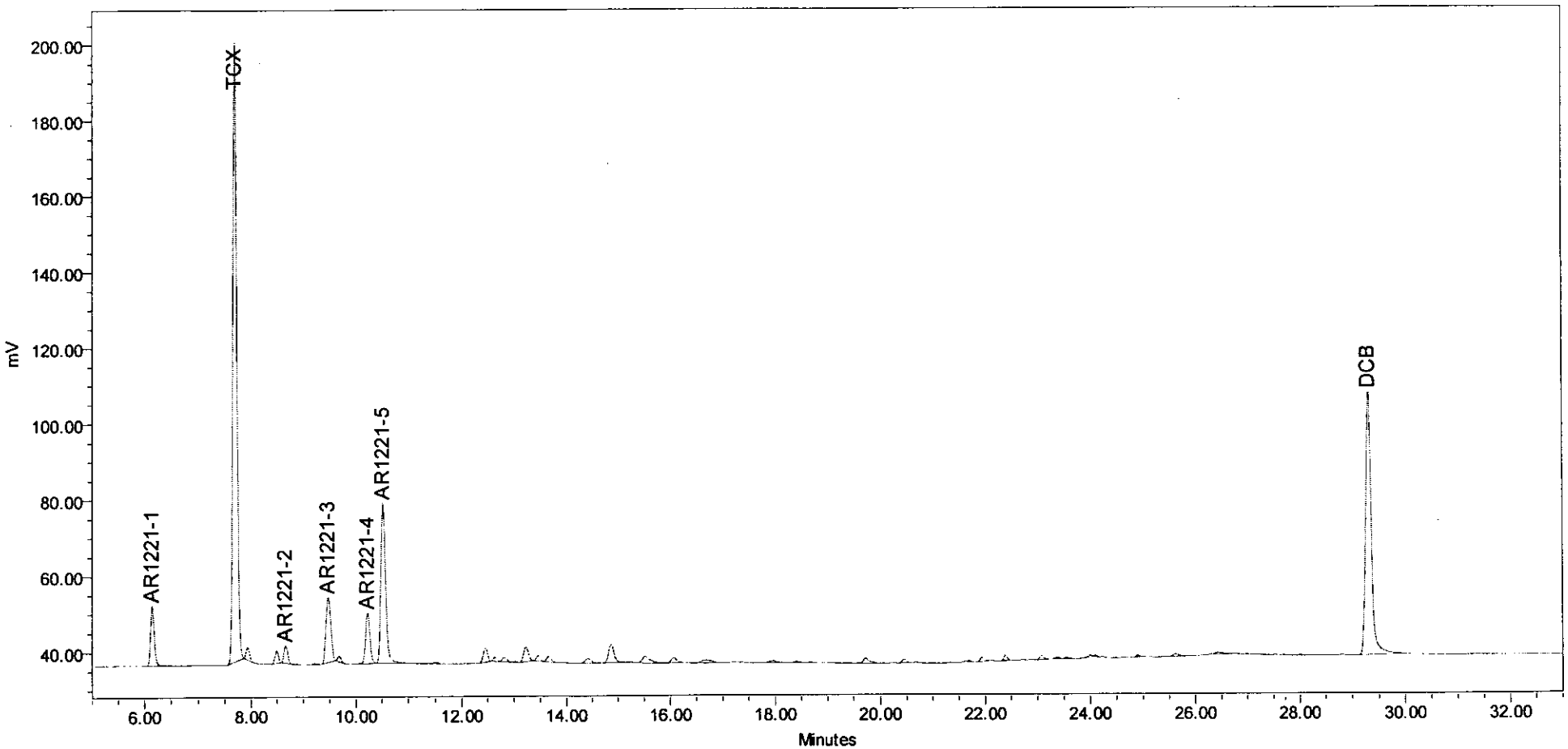
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 9:33:34 PM

Project Name GC12_Project_2004



SampleName AR1221 @ 0.40 ug/mL CYCLES 1 Channel SATIN-2 Date Acquired 08/17/04 9:33:34 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010158

CLIENT: Lionville Laboratory, Inc. CYCLES 1 **Method 8082**

SampleName AR1221 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:13:03 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 9:33:34 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	AR1221-1	6.156	75228	15634	BB	0.400
2	TCX	7.701	838721	163226	BB	0.040
3	AR1221-2	8.664	23353	4637	BB	0.400
4	AR1221-3	9.479	110171	17091	BB	0.400
5	AR1221-4	10.225	78316	13276	BB	0.400
6	AR1221-5	10.528	267881	42097	BB	0.400
7	DCB	29.303	507726	69252	BB	0.040

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010159

CLIENT: Lionville Laboratory, Inc. CYCLES 2 **Method 8082** **Project: 10780.01.005**

SampleName AR1232 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:14:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

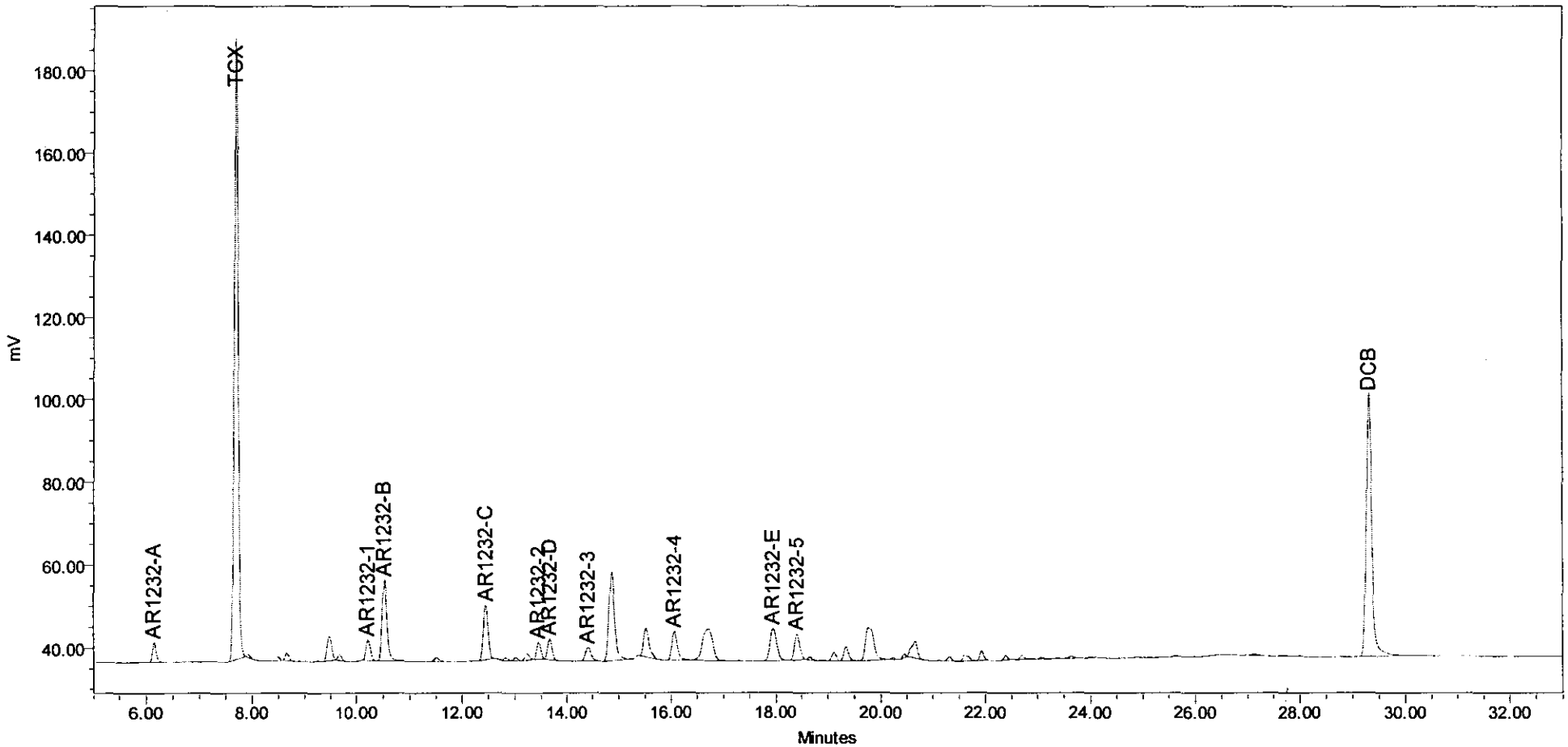
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 10:24:41 PM

Project Name GC12_Project_2004



SampleName AR1232 @ 0.40 ug/mL CYCLES 2 Channel SATIN-2 Date Acquired 08/17/04 10:24:41 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010160

CLIENT: Lionville Laboratory, Inc. CYCLES 2 **Method 8082**

SampleName AR1232 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:14:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 10:24:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	AR1232-A	6.156	22318	4785	BB	0.400
2	TCX	7.701	774051	150892	BB	0.080
3	AR1232-1	10.226	28130	4988	BB	0.400
4	AR1232-B	10.530	120880	19444	BB	0.400
5	AR1232-C	12.457	81285	13175	BB	0.400
6	AR1232-2	13.452	23283	4061	BB	0.400
7	AR1232-D	13.664	30121	4997	BB	0.400
8	AR1232-3	14.418	24677	3303	BB	0.400
9	AR1232-4	16.067	50127	6921	BB	0.400
10	AR1232-E	17.947	68937	7909	BB	0.400
11	AR1232-5	18.408	45577	6201	BB	0.400
12	DCB	29.306	468627	63377	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010161

CLIENT: Lionville Laboratory, Inc. CYCLES 3 **Method 8082** **Project: 10780.01.005**

SampleName AR1242 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:15:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

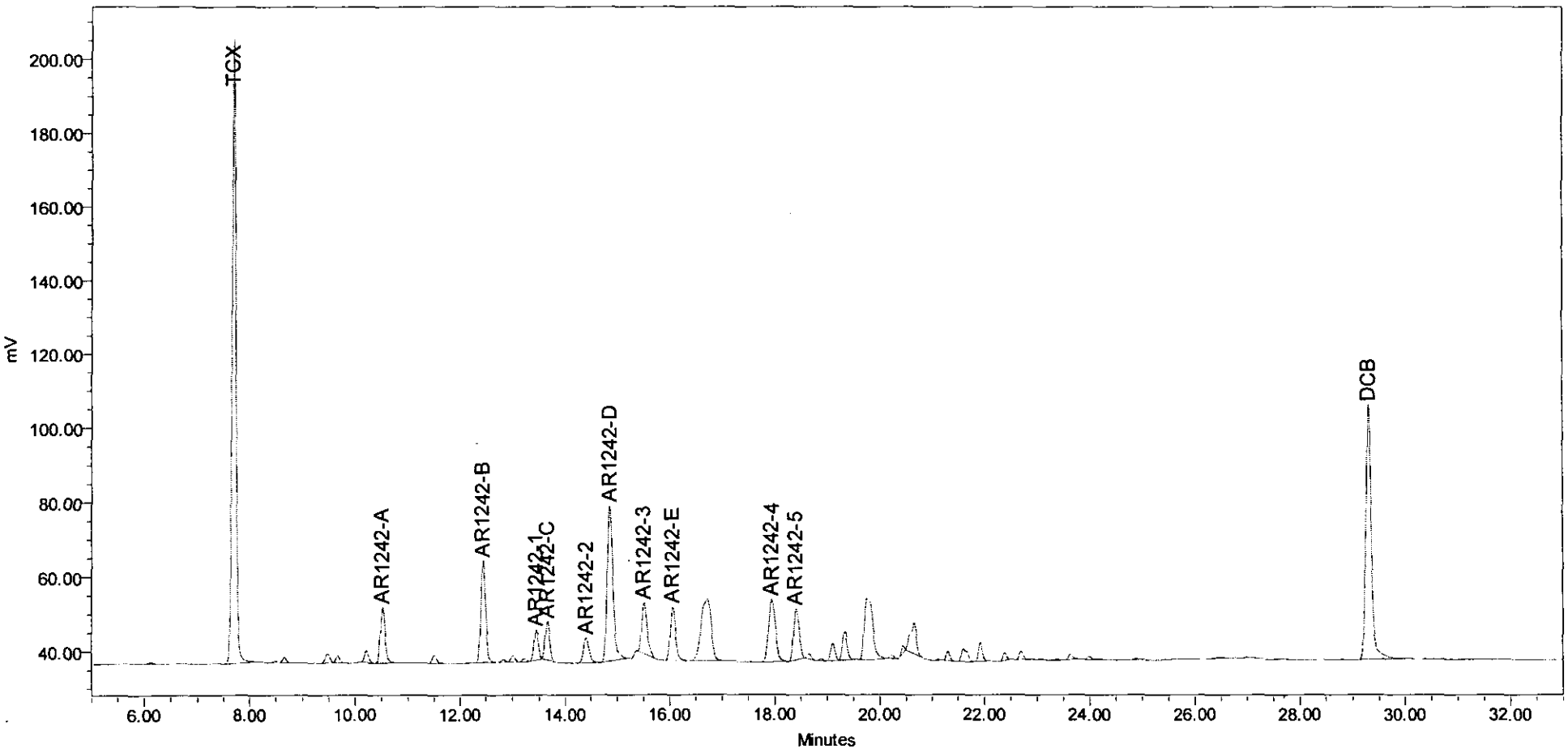
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 11:15:47 PM

Project Name GC12_Project_2004



SampleName AR1242 @ 0.40 ug/mL CYCLES 3 Channel SATIN-2 Date Acquired 08/17/04 11:15:47 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010162

CLIENT: Lionville Laboratory, Inc. CYCLES 3 **Method 8082**

SampleName AR1242 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:15:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/17/04 11:15:47 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.699	873204	168867	BB	0.080
2	AR1242-A	10.528	92414	14980	BB	0.400
3	AR1242-B	12.455	176589	27344	BB	0.400
4	AR1242-1	13.450	46942	8098	BB	0.400
5	AR1242-C	13.663	63353	10414	BB	0.400
6	AR1242-2	14.416	50263	6686	BB	0.400
7	AR1242-D	14.865	320723	41846	BB	0.400
8	AR1242-3	15.515	99329	13719	BB	0.400
9	AR1242-E	16.063	105360	14485	BB	0.400
10	AR1242-4	17.946	150596	16769	BB	0.400
11	AR1242-5	18.406	103614	13768	BB	0.400
12	DCB	29.305	501241	68339	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010163

CLIENT: Lionville Laboratory, Inc. CYCLES 4 **Method 8082**

SampleName AR1248 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:16:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

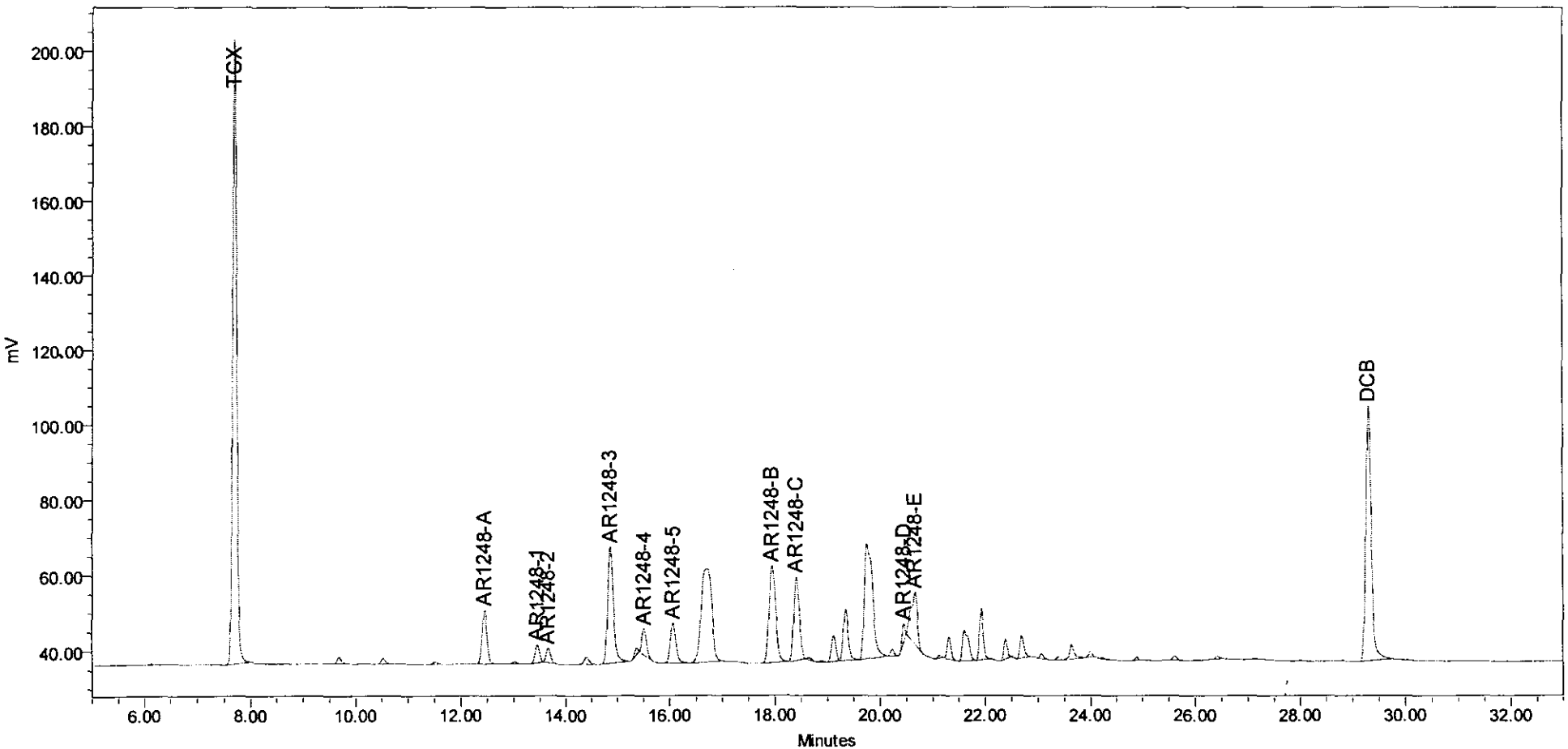
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:06:51 AM

Project Name GC12_Project_2004



SampleName AR1248 @ 0.40 ug/mL CYCLES 4 Channel SATIN-2 Date Acquired 08/18/04 12:06:51 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010164

CLIENT: Lionville Laboratory, Inc. CYCLES 4 **Method 8082**

SampleName AR1248 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:16:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:06:51 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.701	861359	166611	BB	0.080
2	AR1248-A	12.458	89861	14189	BB	0.400
3	AR1248-1	13.453	27976	4763	BB	0.400
4	AR1248-2	13.665	23147	3873	BB	0.400
5	AR1248-3	14.868	237875	30853	BB	0.400
6	AR1248-4	15.516	41429	6936	BB	0.400
7	AR1248-5	16.068	76533	10571	BB	0.400
8	AR1248-B	17.948	225566	25650	BB	0.400
9	AR1248-C	18.408	163271	22032	BB	0.400
10	AR1248-D	20.453	18138	4781	BB	0.400
11	AR1248-E	20.661	117636	13832	BB	0.400
12	DCB	29.305	493129	67780	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010165

CLIENT: Lionville Laboratory, Inc. CYCLES 5 **Method 8082**

SampleName AR1254 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:17:03 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

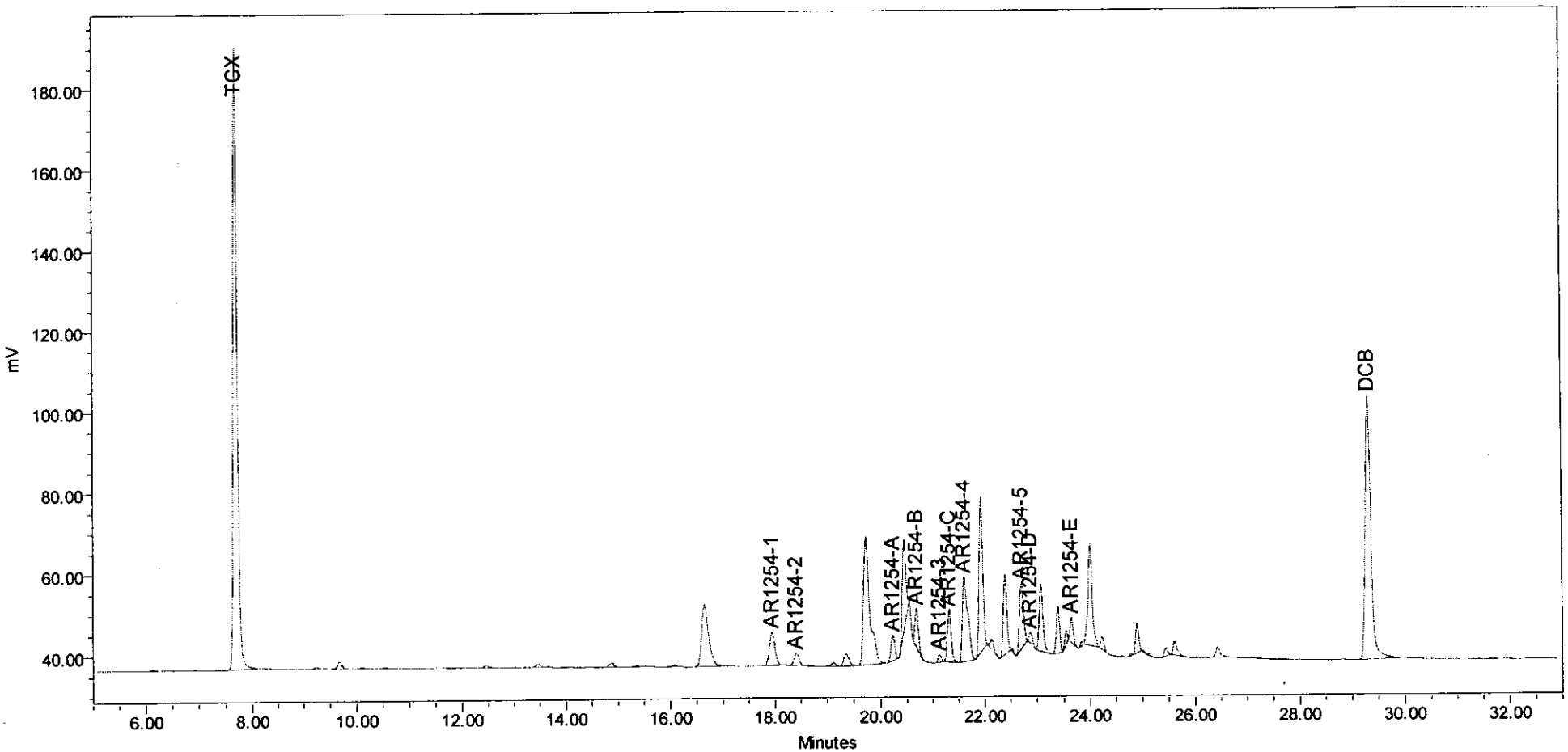
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:57:58 AM

Project Name GC12_Project_2004



SampleName AR1254 @ 0.40 ug/mL CYCLES 5 Channel SATIN-2 Date Acquired 08/18/04 12:57:58 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010166

CLIENT: Lionville Laboratory, Inc. CYCLES 5 **Method 8082**

SampleName AR1254 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:17:03 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 12:57:58 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.702	804931	153964	BB	0.080
2	AR1254-1	17.944	59234	8266	BB	0.400
3	AR1254-2	18.407	21111	3162	BB	0.400
4	AR1254-A	20.234	31130	6254	BB	0.400
5	AR1254-B	20.683	43221	9462	BB	0.400
6	AR1254-3	21.128	8713	1981	BB	0.400
7	AR1254-C	21.315	67396	12775	BB	0.400
8	AR1254-4	21.605	154328	20867	BB	0.400
9	AR1254-5	22.702	84851	16025	BB	0.400
10	AR1254-D	22.875	11998	2739	BB	0.400
11	AR1254-E	23.643	25774	6129	BB	0.400
12	DCB	29.306	481363	64981	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

0101167

CLIENT: Lionville Laboratory, Inc. CYCLES 6 **Method 8082**

SampleName AR1268 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:20:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

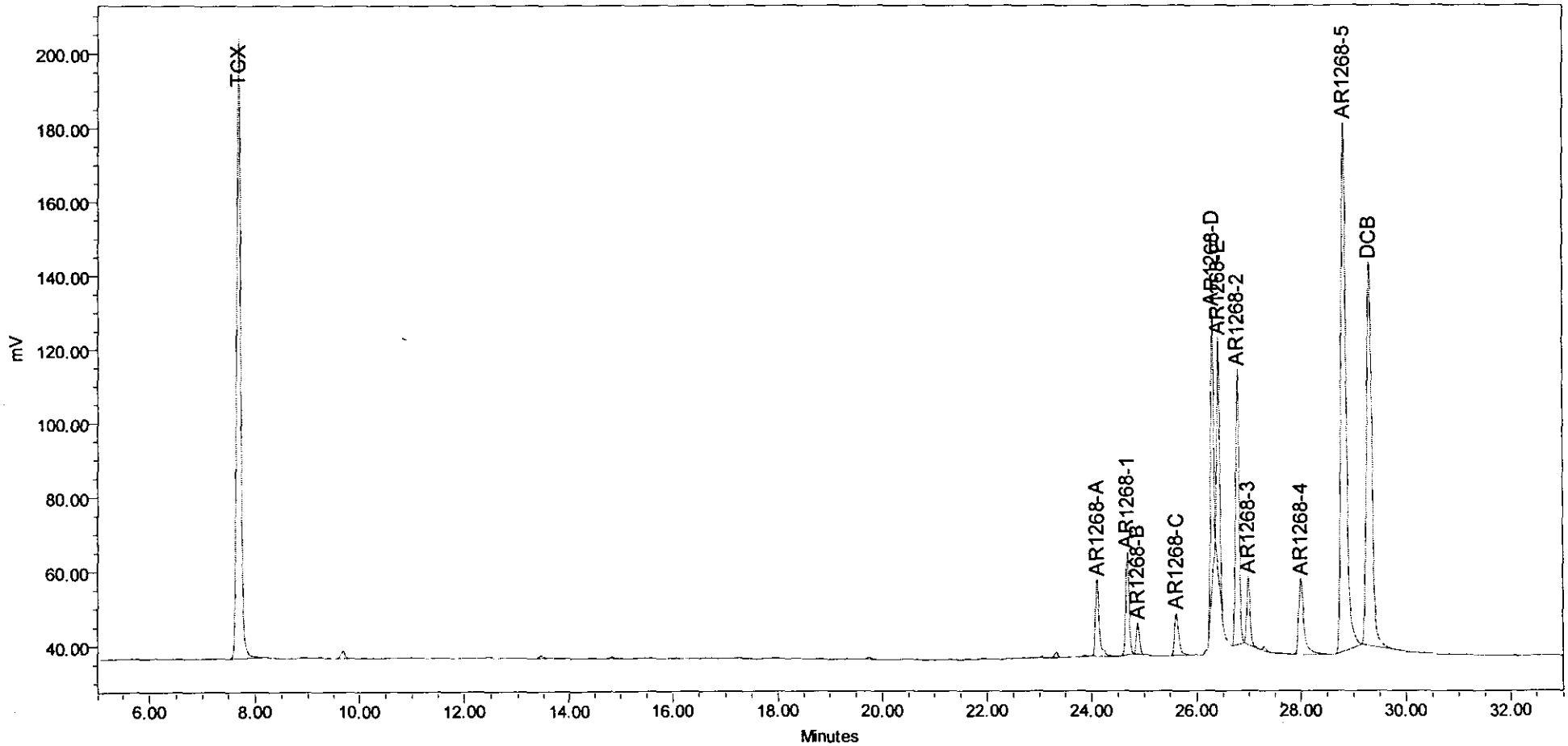
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 1:49:06 AM

Project Name GC12_Project_2004



SampleName AR1268 @ 0.40 ug/mL CYCLES 6 Channel SATIN-2 Date Acquired 08/18/04 1:49:06 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010168

CLIENT: Lionville Laboratory, Inc. CYCLES 6 **Method 8082**

SampleName AR1268 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:20:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 1:49:06 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.705	884958	167657	BB	0.080
2	AR1268-A	24.107	102999	20581	BB	0.400
3	AR1268-1	24.679	123331	27546	BB	0.400
4	AR1268-B	24.880	34333	8178	BB	0.400
5	AR1268-C	25.618	63421	11359	BB	0.400
6	AR1268-D	26.293	276474	74985	BB	0.400
7	AR1268-E	26.406	235765	62915	BB	0.400
8	AR1268-2	26.773	334393	74384	BB	0.400
9	AR1268-3	26.983	84019	18149	BB	0.400
10	AR1268-4	28.000	140013	20146	BB	0.400
11	AR1268-5	28.812	990211	143229	BB	0.400
12	DCB	29.305	734778	103521	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010169

CLIENT: Lionville Laboratory, Inc. CYCLES 7 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.05 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:06 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

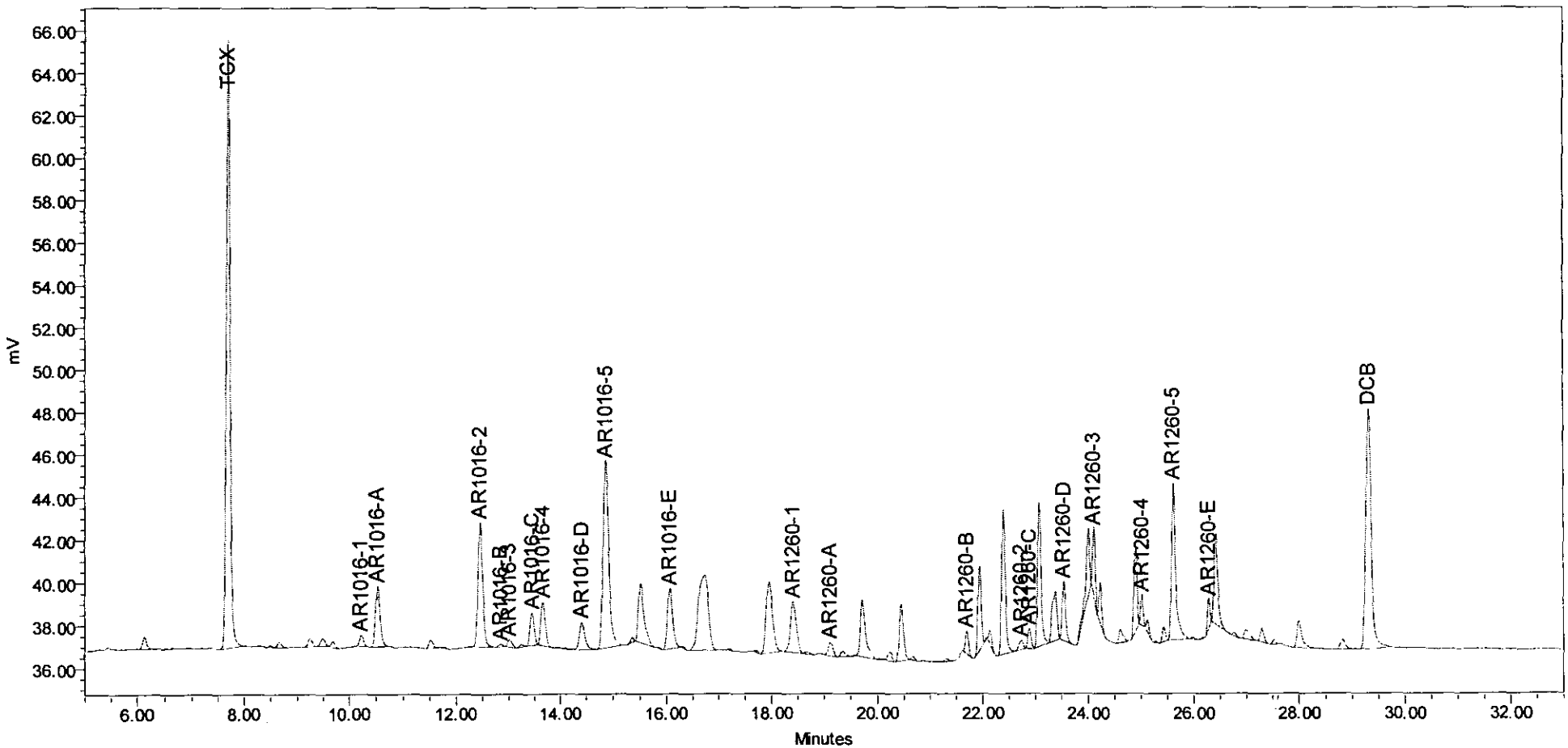
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 2:40:14 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.05 ug/mL CYCLES 7 Channel SATIN-2 Date Acquired 08/18/04 2:40:14 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010170

CLIENT: Lionville Laboratory, Inc. CYCLES 7 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.05 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:06 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 2:40:14 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.701	145334	28655	BB	0.010
2	AR1016-1	10.230	2721	525	BB	0.050
3	AR1016-A	10.532	16878	2814	BB	0.050
4	AR1016-2	12.458	36448	5815	BB	0.050
5	AR1016-B	12.850	714	135	BB	0.050
6	AR1016-3	13.018	2150	354	BB	0.050
7	AR1016-C	13.455	8820	1531	BB	0.050
8	AR1016-4	13.666	12551	2053	BB	0.050
9	AR1016-D	14.422	9473	1271	BB	0.050
10	AR1016-5	14.872	65945	8755	BB	0.050
11	AR1016-E	16.068	19810	2823	BB	0.050
12	AR1260-1	18.412	18993	2389	BB	0.050
13	AR1260-A	19.122	3857	638	BB	0.050
14	AR1260-B	21.698	4477	1081	BB	0.050
15	AR1260-2	22.730	2363	439	BB	0.050
16	AR1260-C	22.884	4100	943	BB	0.050
17	AR1260-D	23.543	12787	2776	BB	0.050
18	AR1260-3	24.105	10438	3155	BB	0.050
19	AR1260-4	25.014	4906	1451	BB	0.050
20	AR1260-5	25.608	41423	7356	BB	0.050
21	AR1260-E	26.295	4706	1375	BB	0.050
22	DCB	29.308	80755	11268	BB	0.010

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

0101171

CLIENT: Lionville Laboratory, Inc. CYCLES 8 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.10 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:05 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

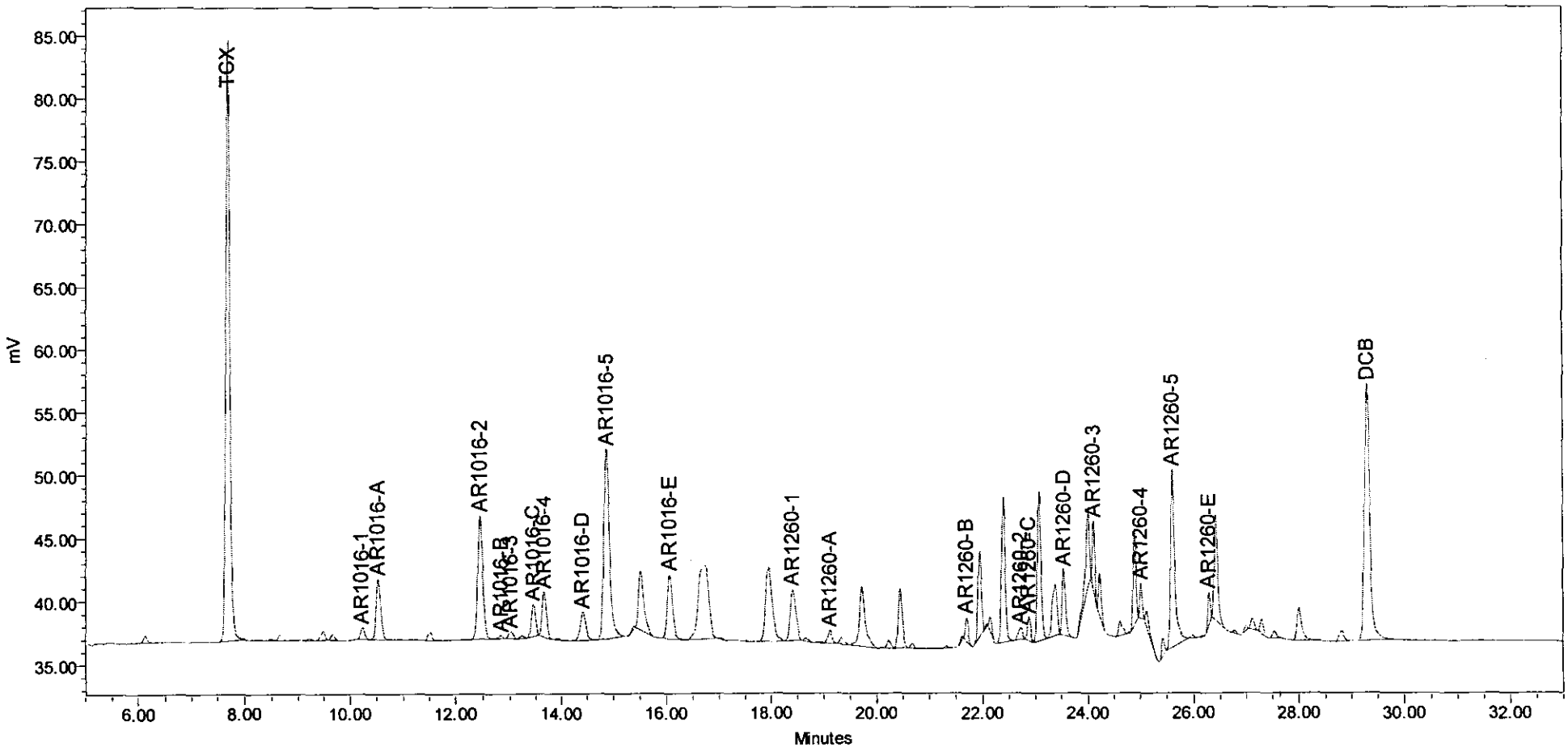
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 3:31:15 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.10 ug/mL CYCLES 8 Channel SATIN-2 Date Acquired 08/18/04 3:31:15 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010172

CLIENT: Lionville Laboratory, Inc. CYCLES 8 **Method 8082**

SampleName AR1660 @ 0.10 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:05 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 3:31:15 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.704	246008	47848	BB	0.020
2	AR1016-1	10.230	5071	930	BB	0.100
3	AR1016-A	10.535	29106	4808	BB	0.100
4	AR1016-2	12.460	61638	9741	BB	0.100
5	AR1016-B	12.845	1246	233	BB	0.100
6	AR1016-3	13.023	2993	551	BB	0.100
7	AR1016-C	13.455	14572	2558	BB	0.100
8	AR1016-4	13.669	21332	3513	BB	0.100
9	AR1016-D	14.421	17249	2244	BB	0.100
10	AR1016-5	14.873	114164	14956	BB	0.100
11	AR1016-E	16.069	35411	5052	BB	0.100
12	AR1260-1	18.409	31578	4083	BB	0.100
13	AR1260-A	19.119	5871	1013	BB	0.100
14	AR1260-B	21.699	7842	1862	BB	0.100
15	AR1260-2	22.726	4992	897	BB	0.100
16	AR1260-C	22.882	8212	1870	BB	0.100
17	AR1260-D	23.544	23827	5191	BB	0.100
18	AR1260-3	24.106	18318	5433	BB	0.100
19	AR1260-4	25.014	9158	2766	BB	0.100
20	AR1260-5	25.605	76777	14138	BB	0.100
21	AR1260-E	26.293	8155	2497	BB	0.100
22	DCB	29.305	145748	20358	BB	0.020

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010173

CLIENT: Lionville Laboratory, Inc. CYCLES 9 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.20 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

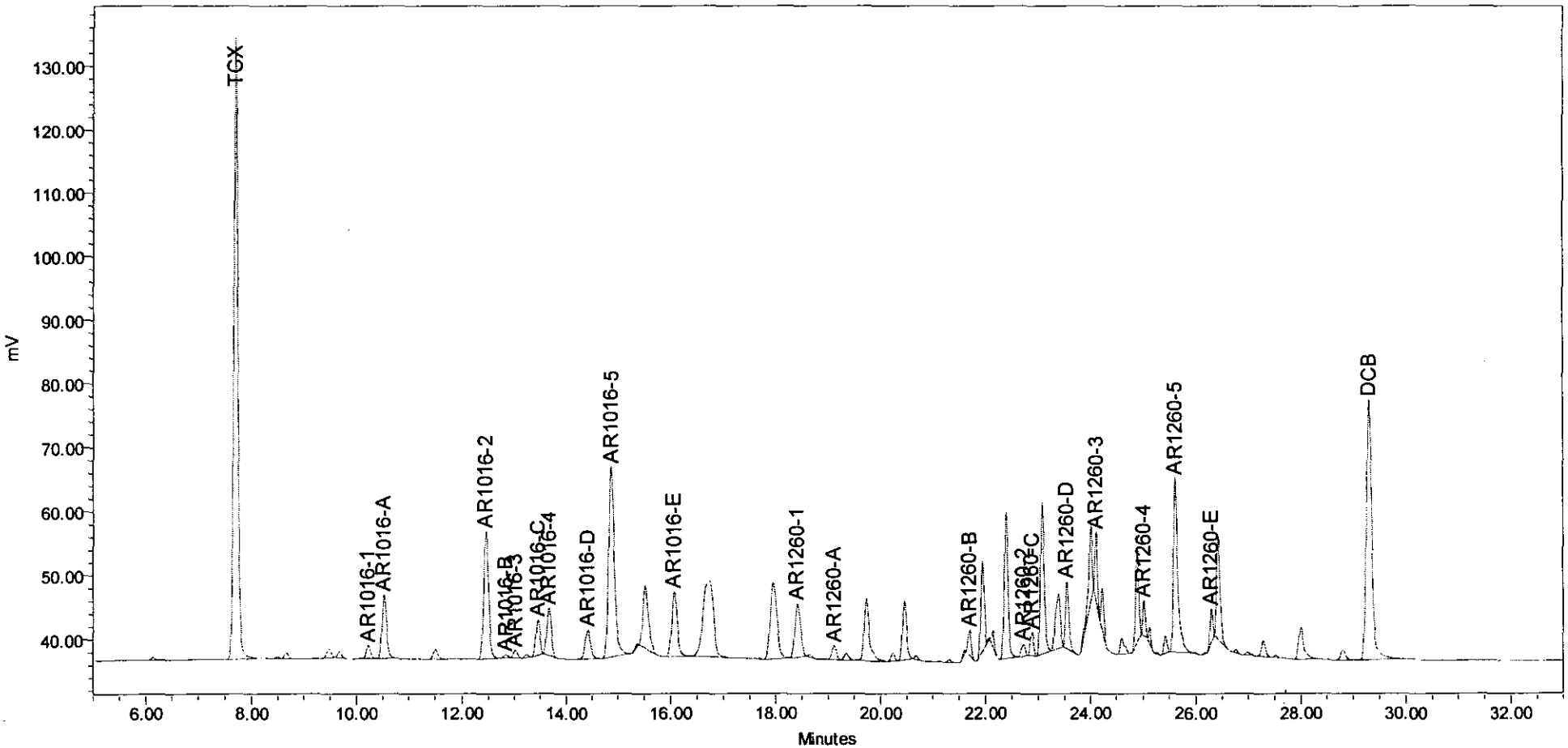
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 4:22:23 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.20 ug/mL CYCLES 9 Channel SATIN-2 Date Acquired 08/18/04 4:22:23 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010174

CLIENT: Lionville Laboratory, Inc. CYCLES 9 **Method 8082**

Project: 10780.01.005

SampleName AR1660 @ 0.20 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 4:22:23 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.705	515335	97794	BB	0.040
2	AR1016-1	10.232	10929	1966	BB	0.200
3	AR1016-A	10.536	61187	9977	BB	0.200
4	AR1016-2	12.462	128173	19881	BB	0.200
5	AR1016-B	12.844	2496	480	BB	0.200
6	AR1016-3	13.025	6687	1194	BB	0.200
7	AR1016-C	13.458	32405	5547	BB	0.200
8	AR1016-4	13.669	44550	7417	BB	0.200
9	AR1016-D	14.424	34648	4596	BB	0.200
10	AR1016-5	14.873	229488	29718	BB	0.200
11	AR1016-E	16.072	73479	10161	BB	0.200
12	AR1260-1	18.413	64529	8436	BB	0.200
13	AR1260-A	19.122	12812	2184	BB	0.200
14	AR1260-B	21.700	16443	3904	BB	0.200
15	AR1260-2	22.729	9793	1798	BB	0.200
16	AR1260-C	22.883	15604	3616	BB	0.200
17	AR1260-D	23.545	47736	10584	BB	0.200
18	AR1260-3	24.107	36275	10834	BB	0.200
19	AR1260-4	25.016	18550	5491	BB	0.200
20	AR1260-5	25.608	152834	27309	BB	0.200
21	AR1260-E	26.295	17795	5322	BB	0.200
22	DCB	29.308	301203	40660	BB	0.040

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010175

CLIENT: Lionville Laboratory, Inc. CYCLES 10 **Method 8082** **Project: 10780.01.005**

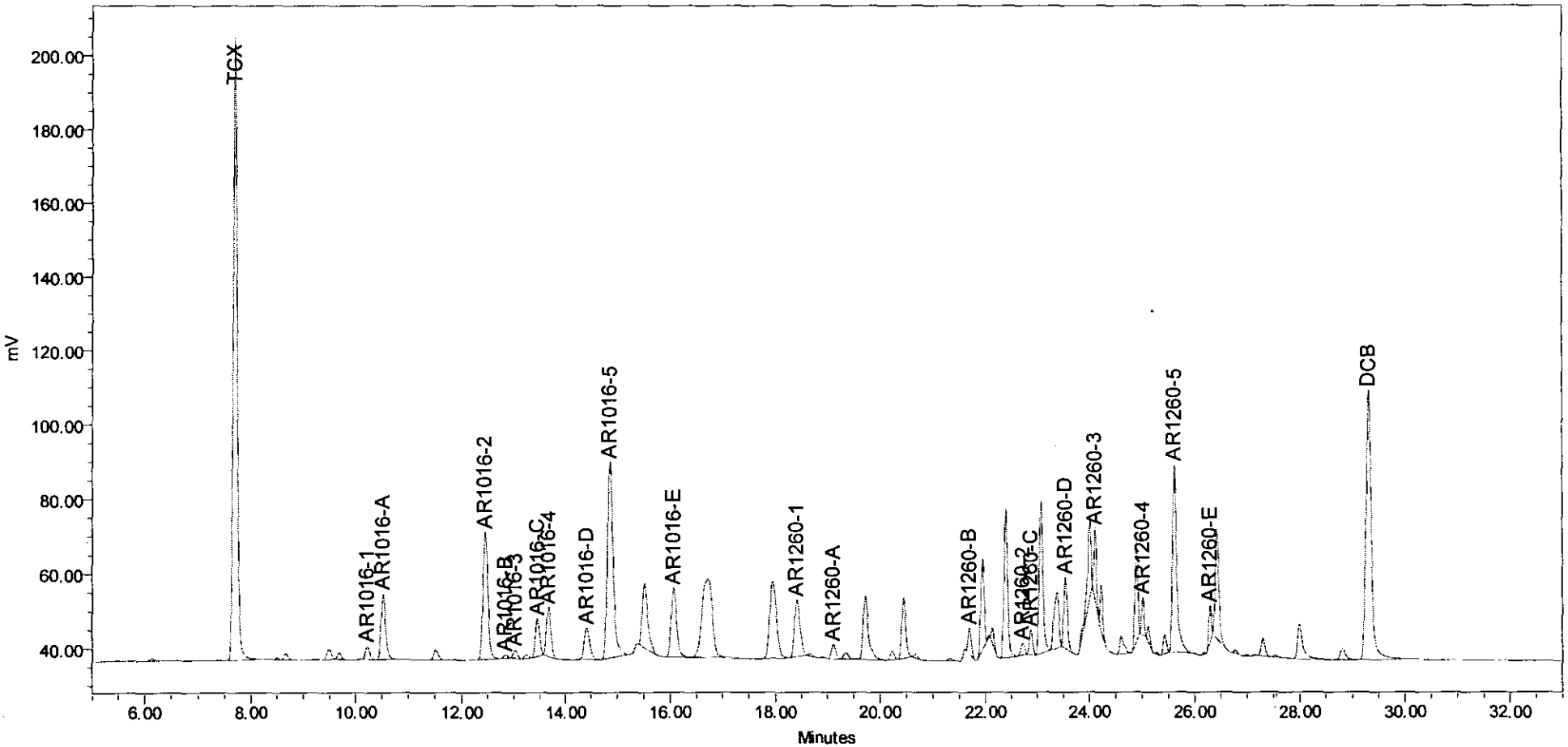
SampleName AR1660 @ 0.40 ug/mL Inj Vol 1.0 ul Case: F04-025

Client_ID STD2004:18:03 Channel SATIN-2 SDG: Standard

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/18/04 5:13:26 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.40 ug/mL CYCLES 10 Channel SATIN-2 Date Acquired 08/18/04 5:13:26 AM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

C10176

CLIENT: Lionville Laboratory, Inc. CYCLES 10 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:03 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 5:13:26 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.703	881538	168038	BB	0.080
2	AR1016-1	10.230	20044	3596	BB	0.400
3	AR1016-A	10.533	108927	17560	BB	0.400
4	AR1016-2	12.460	221839	34069	BB	0.400
5	AR1016-B	12.843	4787	910	BB	0.400
6	AR1016-3	13.023	12680	2272	BB	0.400
7	AR1016-C	13.456	58503	10015	BB	0.400
8	AR1016-4	13.668	80249	13029	BB	0.400
9	AR1016-D	14.422	64011	8487	BB	0.400
10	AR1016-5	14.871	404602	52528	BB	0.400
11	AR1016-E	16.069	134079	18441	BB	0.400
12	AR1260-1	18.411	116184	15184	BB	0.400
13	AR1260-A	19.118	22457	3910	BB	0.400
14	AR1260-B	21.699	29367	7057	BB	0.400
15	AR1260-2	22.728	17823	3229	BB	0.400
16	AR1260-C	22.882	28935	6696	BB	0.400
17	AR1260-D	23.543	86712	18992	BB	0.400
18	AR1260-3	24.106	63894	19181	BB	0.400
19	AR1260-4	25.014	33434	9855	BB	0.400
20	AR1260-5	25.607	278711	50234	BB	0.400
21	AR1260-E	26.294	32799	9773	BB	0.400
22	DCB	29.308	534260	72146	BB	0.080

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

0101177

CLIENT: Lionville Laboratory, Inc. CYCLES 11 **Method 8082**

SampleName AR1660 @ 0.80ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

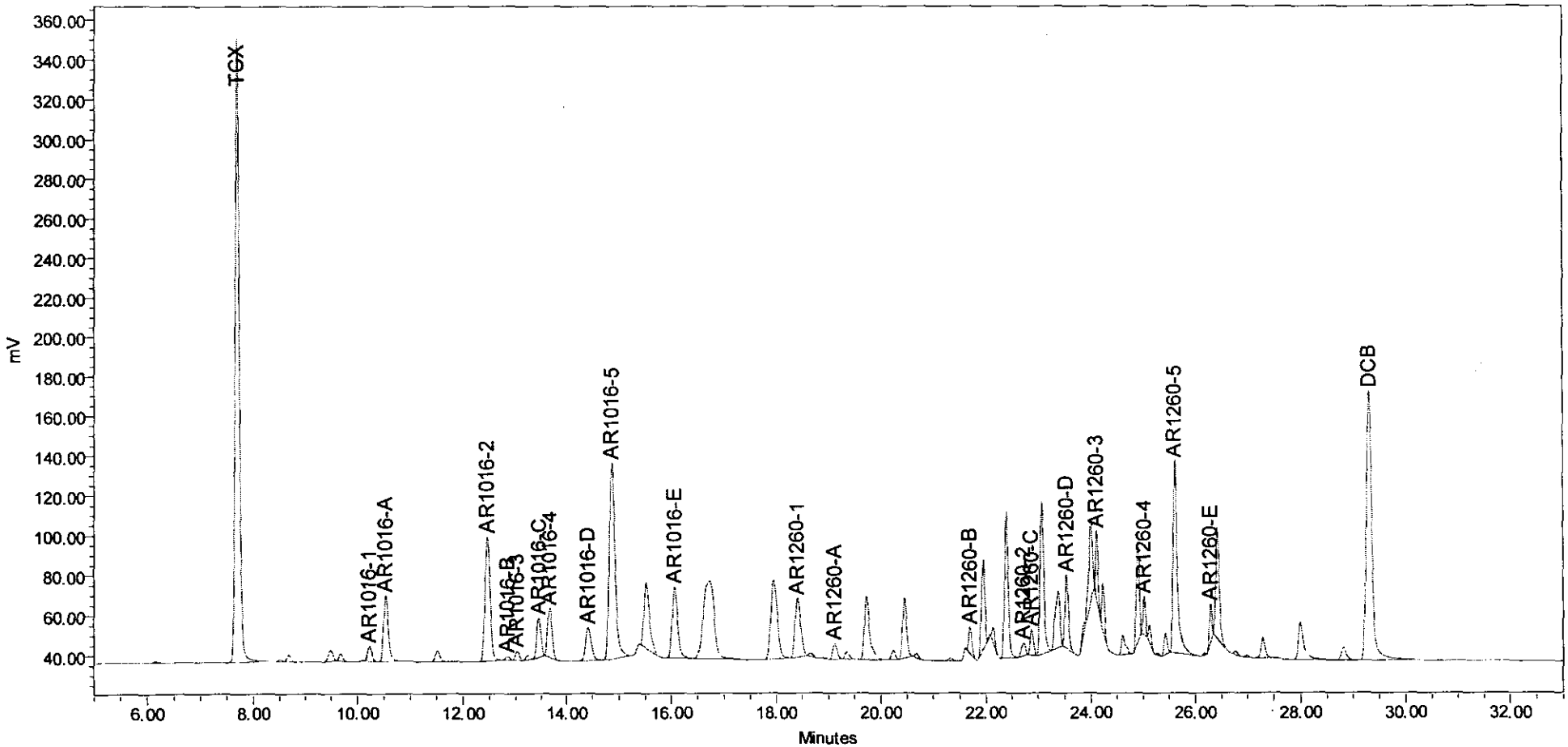
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:04:35 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 0.80ug/mL CYCLES 11 Channel SATIN-2 Date Acquired 08/18/04 6:04:35 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010178

CLIENT: Lionville Laboratory, Inc. CYCLES 11 **Method 8082** **Project: 10780.01.005**

SampleName AR1660 @ 0.80ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:02 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:04:35 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.704	1662068	314171	BB	0.160
2	AR1016-1	10.231	39669	7152	BB	0.800
3	AR1016-A	10.533	207252	32842	BB	0.800
4	AR1016-2	12.459	409805	62186	BB	0.800
5	AR1016-B	12.842	10031	1911	BB	0.800
6	AR1016-3	13.023	25212	4526	BB	0.800
7	AR1016-C	13.456	115099	19498	BB	0.800
8	AR1016-4	13.668	153397	24626	BB	0.800
9	AR1016-D	14.423	124500	16489	BB	0.800
10	AR1016-5	14.870	752021	97931	BB	0.800
11	AR1016-E	16.069	258721	35474	BB	0.800
12	AR1260-1	18.412	227305	29437	BB	0.800
13	AR1260-A	19.118	45301	7801	BB	0.800
14	AR1260-B	21.698	54518	13028	BB	0.800

	Name	RT	Area	Height	Int Type	Amount
15	AR1260-2	22.727	35206	6333	BB	0.800
16	AR1260-C	22.881	56143	12819	BB	0.800
17	AR1260-D	23.542	167812	36938	BB	0.800
18	AR1260-3	24.105	117211	34808	BB	0.800
19	AR1260-4	25.013	63202	18743	BB	0.800
20	AR1260-5	25.605	546438	96361	BB	0.800
21	AR1260-E	26.293	64500	19197	BB	0.800
22	DCB	29.305	1016921	134892	BB	0.160

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010179

CLIENT: Lionville Laboratory, Inc. CYCLES 12 **Method 8082**

Project: 10780.01.005

SampleName AR1660 @ 1.60 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:01 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

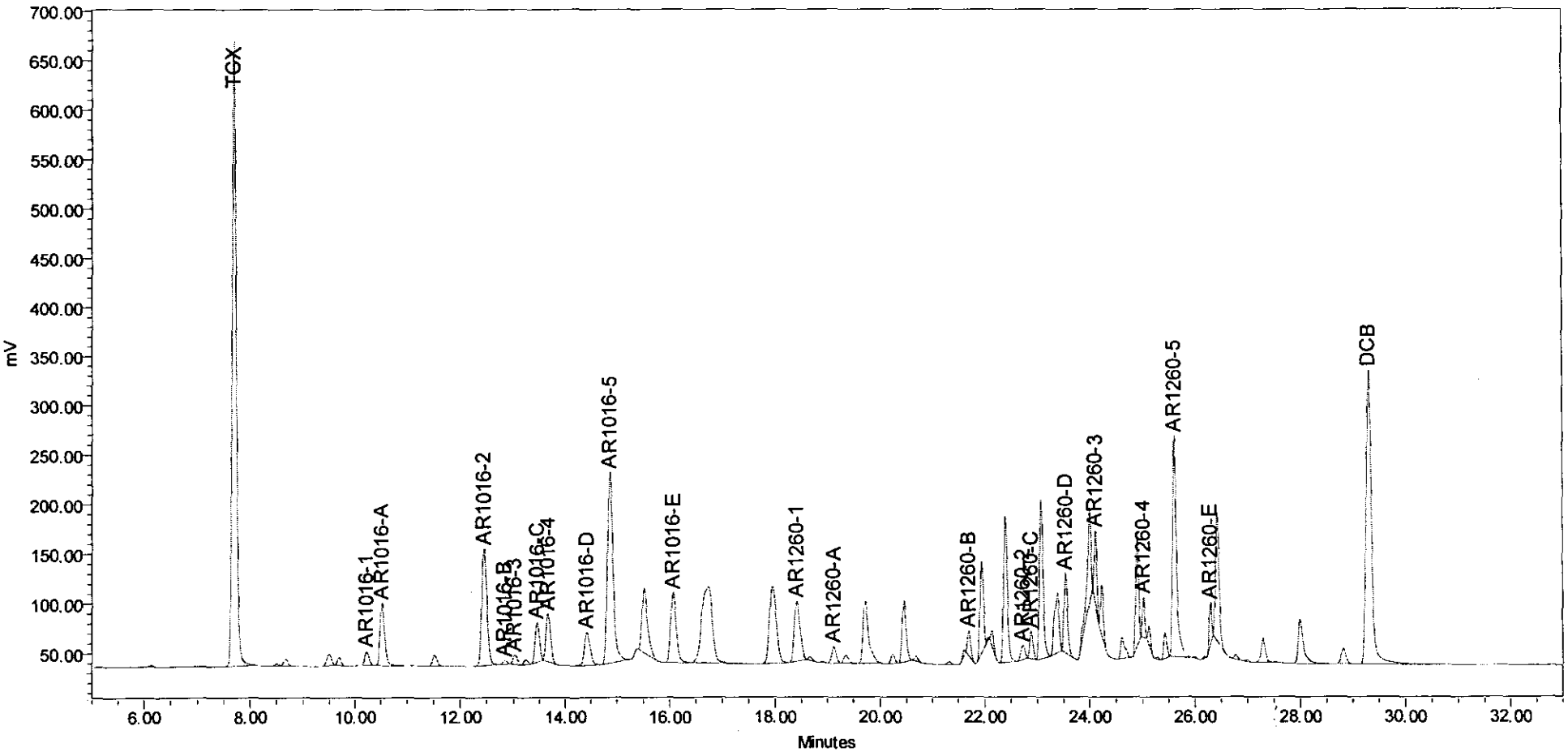
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:55:39 AM

Project Name GC12_Project_2004



SampleName AR1660 @ 1.60 ug/mL CYCLES 12 Channel SATIN-2 Date Acquired 08/18/04 6:55:39 AM

Peak areas less than 200 are not show n.

Manual integrations are identified by low er case letters in the "Int Type" field.

010180

CLIENT: Lionville Laboratory, Inc. CYCLES 12 **Method 8082**

SampleName AR1660 @ 1.60 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:01 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 6:55:39 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type	Amount
1	TCX	7.703	3333014	632347	BB	0.320
2	AR1016-1	10.231	82066	14588	BB	1.600
3	AR1016-A	10.532	409265	63443	BB	1.600
4	AR1016-2	12.460	792270	117909	BB	1.600
5	AR1016-B	12.843	21831	4140	BB	1.600
6	AR1016-3	13.025	53530	9599	BB	1.600
7	AR1016-C	13.458	237219	39922	BB	1.600
8	AR1016-4	13.669	303945	48391	BB	1.600
9	AR1016-D	14.423	258035	33550	BB	1.600
10	AR1016-5	14.869	1478075	191999	BB	1.600
11	AR1016-E	16.070	529123	70215	BB	1.600
12	AR1260-1	18.415	471594	60644	BB	1.600
13	AR1260-A	19.121	96007	16555	BB	1.600
14	AR1260-B	21.700	107739	25404	BB	1.600
15	AR1260-2	22.725	79877	14261	BB	1.600
16	AR1260-C	22.883	121872	27641	BB	1.600
17	AR1260-D	23.544	368560	80234	BB	1.600
18	AR1260-3	24.107	244155	73711	BB	1.600
19	AR1260-4	25.015	136418	41000	BB	1.600
20	AR1260-5	25.605	1182258	223917	BB	1.600
21	AR1260-E	26.295	141040	42251	BB	1.600
22	DCB	29.307	2194776	296924	BB	0.320

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010181

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082** **Project: 10780.01.005**

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

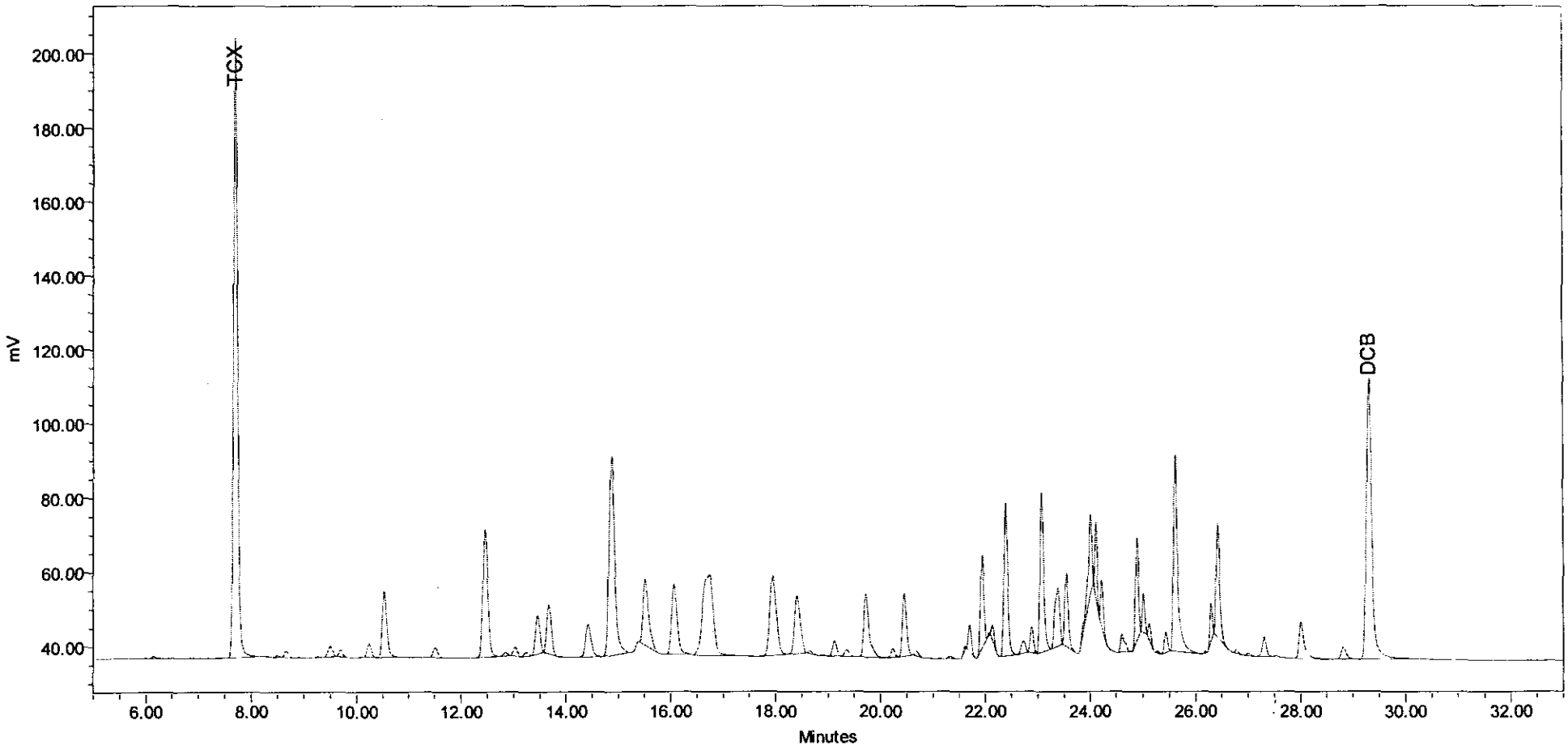
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004



SampleName ICV @ 0.40 ug/mL CYCLES 14 Channel SATIN-2 Date Acquired 08/18/04 8:37:50 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010182

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082**

Project: 10780.01.005

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.140	2858	530	BB
2	TCX	7.701	878149	167529	BB
3		8.497	2592	554	BB
4		8.665	8957	1758	BB
5		9.246	733	149	BB
6		9.489	17220	2794	BB
7		9.682	9115	1854	BB
8		10.077	363	110	BB
9		10.226	20069	3641	BB
10		10.530	109661	17678	BB
11		11.090	323	58	BB
12		11.514	16086	2750	BB
13		12.456	223116	34169	BB
14		12.839	4969	944	BB

	Name	RT	Area	Height	Int Type
15		13.019	12965	2324	BB
16		13.232	5743	1002	BB
17		13.452	59956	10226	BB
18		13.663	81297	13247	BB
19		14.417	64561	8635	BB
20		14.867	412188	53438	BB
21		15.517	131897	17695	BB
22		16.065	139441	18847	BB
23		16.727	301930	21642	BB
24		17.944	187960	21384	BB
25		18.408	120921	15571	BB
26		18.648	3936	743	BB
27		18.888	1287	241	BB
28		19.116	23167	4012	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010183

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082**

Project: 10780.01.005

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		19.342	10852	1762	BB
30		19.721	120847	17181	BB
31		20.233	11783	2332	BB
32		20.450	91604	16787	BB
33		20.678	5661	1203	BB
34		21.108	235	54	BB
35		21.316	3565	679	BB
36		21.593	3439	1223	BB
37		21.698	30013	7117	BB
38		21.944	115750	24953	BB
39		22.063	1441	704	BB
40		22.137	15837	4201	BB
41		22.389	205598	41132	BB
42		22.729	18532	3294	BB
43		22.881	30108	6828	BB
44		23.071	214524	43109	BB

	Name	RT	Area	Height	Int Type
45		23.384	101406	15585	BB
46		23.542	90850	19757	BB
47		24.001	112499	22276	BB
48		24.105	66233	19894	BB
49		24.224	46596	12670	BB
50		24.605	26859	4891	BB
51		24.769	243	132	BB
52		24.889	110469	27992	BB
53		25.013	34975	10476	BB
54		25.119	15115	4510	BB
55		25.277	1753	536	BB
56		25.428	23182	5632	BB
57		25.606	297739	52867	BB
58		26.175	1446	529	BB
59		26.292	34633	10275	BB
60		26.421	148060	30472	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010184

CLIENT: Lionville Laboratory, Inc. CYCLES 14 **Method 8082** **Project: 10780.01.005**

SampleName ICV @ 0.40 ug/mL Inj Vol 1.0 ul

Client_ID STD2004:18:08 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/18/04 8:37:50 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		26.770	4256	1040	BB
62		26.986	3153	643	BB
63		27.292	27916	5245	BB
64		28.001	71133	10018	BB
65		28.813	21290	3258	BB
66	DCB	29.306	557980	75503	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010185

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082** **Project: 10780.01.005**

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

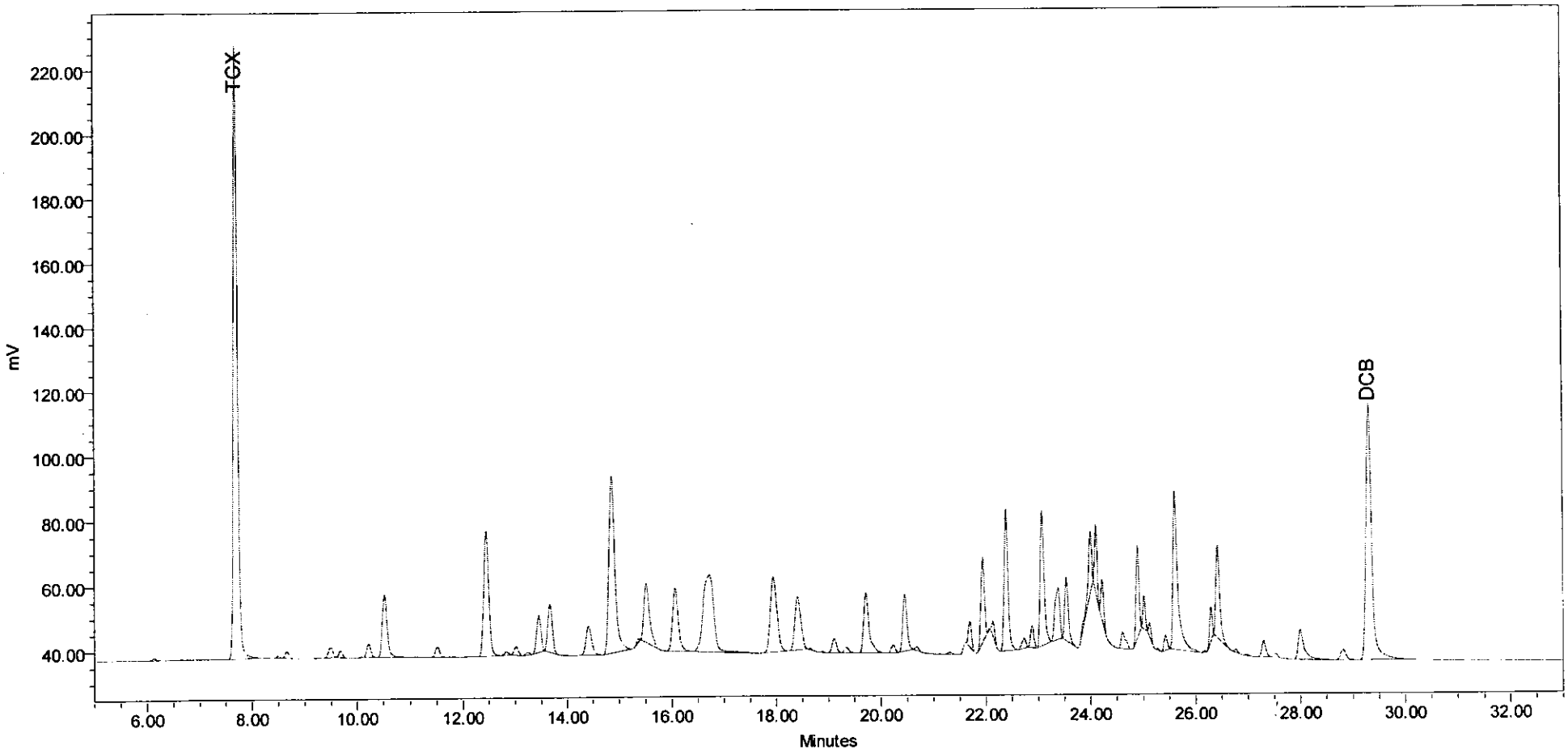
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004



SampleName CCV_10 CYCLES 64 Channel SATIN-2 Date Acquired 08/24/04 3:34:51 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010186

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082** **Project: 10780.01.005**

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.136	3503	685	BB
2	TCX	7.700	1005731	190108	BB
3		8.495	2836	626	BB
4		8.663	10243	1999	BB
5		9.242	1185	215	BB
6		9.490	18913	3084	BB
7		9.679	10399	2095	BB
8		10.083	326	113	BB
9		10.225	21993	3965	BB
10		10.529	123657	19182	BB
11		11.108	519	96	BB
12		11.511	17777	3100	BB
13		12.453	251988	38383	BB
14		12.836	5240	1022	BB

	Name	RT	Area	Height	Int Type
15		13.016	14563	2553	BB
16		13.233	4327	791	BB
17		13.449	66168	11325	BB
18		13.661	90370	14699	BB
19		13.957	490	100	BB
20		14.416	66731	8820	BB
21		14.865	432962	54446	BB
22		15.357	3909	1100	BB
23		15.514	134152	18218	BB
24		16.062	145187	19488	BB
25		16.721	338582	23692	BB
26		17.942	206077	23163	BB
27		18.405	130805	16540	BB
28		18.650	1933	410	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010187

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082**

Project: 10780.01.005

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		18.883	1094	238	BB
30		19.112	25252	4348	BB
31		19.344	10154	1654	BB
32		19.717	130359	18473	BB
33		20.231	12649	2481	BB
34		20.448	97356	17462	BB
35		20.675	5412	1202	BB
36		21.121	373	90	BB
37		21.313	4031	780	BB
38		21.694	33855	7910	BB
39		21.941	120736	25915	BB
40		22.057	1533	784	BB
41		22.134	16997	4583	BB
42		22.387	221272	43697	BB
43		22.727	16476	3181	BB
44		22.878	29669	6737	BB

	Name	RT	Area	Height	Int Type
45		23.069	215113	41608	BB
46		23.379	105075	15911	BB
47		23.539	91235	19351	BB
48		23.999	90324	19077	BB
49		24.102	70708	20902	BB
50		24.221	46084	12556	BB
51		24.603	29943	5062	BB
52		24.888	112206	28106	BB
53		25.011	34942	10478	BB
54		25.116	14873	4391	BB
55		25.268	1575	491	BB
56		25.425	19807	4709	BB
57		25.604	310438	48815	BB
58		26.174	1366	484	BB
59		26.290	35423	10362	BB
60		26.419	147011	28445	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010188

CLIENT: Lionville Laboratory, Inc. CYCLES 64 **Method 8082** **Project: 10780.01.005**

SampleName CCV_10 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/24/04 3:34:51 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		26.764	4141	1015	BB
62		26.975	2166	473	BB
63		27.290	26851	4995	BB
64		27.999	72221	9050	BB
65		28.812	21917	3186	BB
66	DCB	29.302	599534	78485	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010189

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082** **Project: 10780.01.005**

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

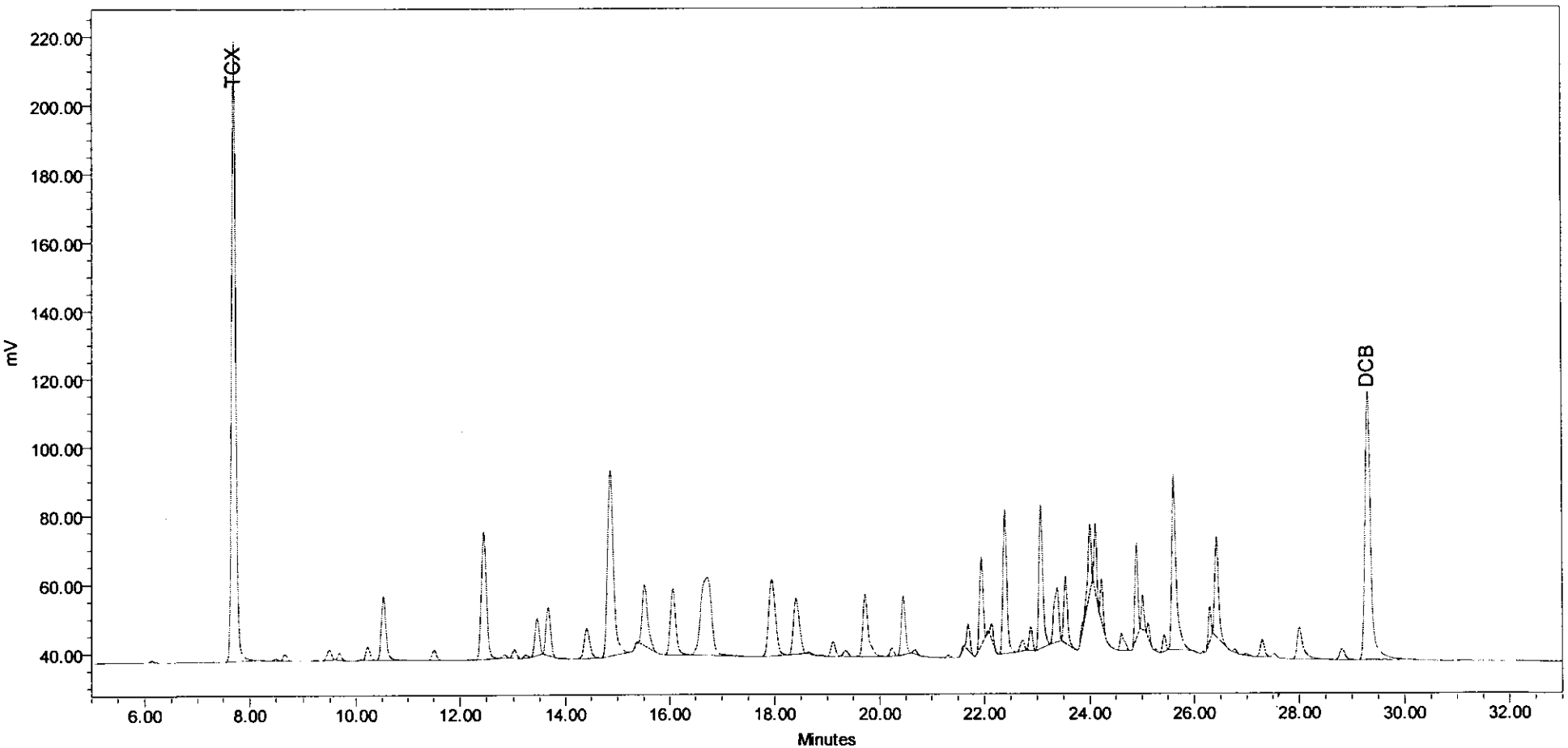
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004



SampleName CCV_11 CYCLES 78 Channel SATIN-2 Date Acquired 08/25/04 3:30:29 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010190

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082**

Project: 10780.01.005

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.138	2847	525	BB
2	TCX	7.700	954922	181123	BB
3		8.495	2568	570	BB
4		8.663	9631	1894	BB
5		9.234	1239	215	BB
6		9.488	18196	2960	BB
7		9.681	9827	1979	BB
8		10.088	372	102	BB
9		10.226	21261	3841	BB
10		10.529	118690	18604	BB
11		11.513	16997	2955	BB
12		12.454	239809	36707	BB
13		12.835	5203	1021	BB
14		13.016	13716	2453	BB

	Name	RT	Area	Height	Int Type
15		13.232	4845	881	BB
16		13.450	63385	10850	BB
17		13.661	86282	13998	BB
18		13.948	1237	177	BB
19		14.416	66507	8799	BB
20		14.866	423887	53755	BB
21		15.360	3596	1026	BB
22		15.515	130577	17753	BB
23		16.063	140295	19218	BB
24		16.719	322792	22659	BB
25		17.943	199628	22258	BB
26		18.406	127435	16137	BB
27		18.660	2611	514	BB
28		18.893	1511	299	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010191

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082** **Project: 10780.01.005**

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		19.113	24380	4194	BB
30		19.348	11037	1701	BB
31		19.718	128785	18110	BB
32		20.231	12344	2430	BB
33		20.448	94403	17149	BB
34		20.673	5827	1252	BB
35		21.124	355	83	BB
36		21.317	3909	765	BB
37		21.590	2673	1022	BB
38		21.693	32617	7604	BB
39		21.943	118369	25547	BB
40		22.060	1290	672	BB
41		22.135	16537	4427	BB
42		22.387	216125	41732	BB
43		22.727	16692	3186	BB
44		22.880	29389	6747	BB

	Name	RT	Area	Height	Int Type
45		23.070	215399	41656	BB
46		23.382	102277	15716	BB
47		23.541	90437	19363	BB
48		24.001	93938	19969	BB
49		24.103	68148	19834	BB
50		24.222	45095	12300	BB
51		24.605	28647	4951	BB
52		24.889	111077	27222	BB
53		25.012	33970	10047	BB
54		25.118	14098	4255	BB
55		25.273	1654	493	BB
56		25.427	20393	4872	BB
57		25.604	298576	50594	BB
58		25.983	697	189	BB
59		26.173	1333	464	BB
60		26.292	34689	10130	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010192

CLIENT: Lionville Laboratory, Inc. CYCLES 78 **Method 8082** **Project: 10780.01.005**

SampleName CCV_11 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 3:30:29 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		26.420	149376	28907	BB
62		26.766	4014	1011	BB
63		26.979	3093	627	BB
64		27.292	27286	5086	BB
65		28.002	72459	9319	BB
66		28.811	22259	3218	BB
67	DCB	29.303	599274	78215	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010193

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082** **Project: 10780.01.005**

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

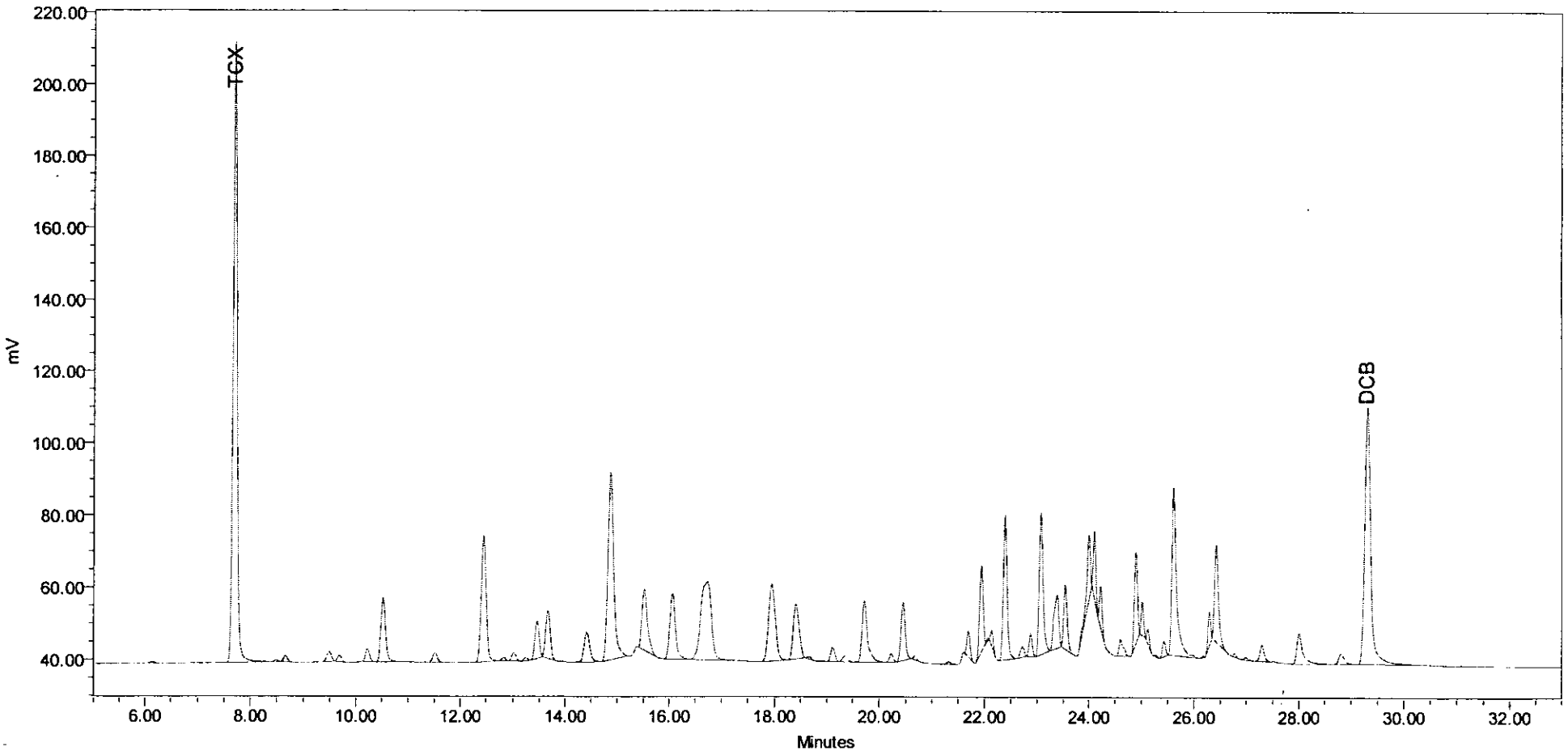
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004



SampleName CCV_12 CYCLES 90 Channel SATIN-2 Date Acquired 08/25/04 1:43:28 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010194

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082**

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.139	2418	465	BB
2	TCX	7.700	919931	172824	BB
3		8.492	2481	549	BB
4		8.662	8993	1782	BB
5		9.228	1119	204	BB
6		9.486	17096	2768	BB
7		9.681	9287	1870	BB
8		10.077	230	84	BB
9		10.223	20121	3619	BB
10		10.528	111839	17782	BB
11		11.054	290	42	BB
12		11.512	15860	2750	BB
13		12.453	229032	34984	BB
14		12.836	4842	939	BB

	Name	RT	Area	Height	Int Type
15		13.015	12946	2309	BB
16		13.230	4807	878	BB
17		13.449	60268	10366	BB
18		13.660	82084	13296	BB
19		13.943	630	130	BB
20		14.415	62868	8287	BB
21		14.865	404029	51714	BB
22		15.515	125237	16962	BB
23		16.063	137085	18245	BB
24		16.727	304877	21736	BB
25		17.943	191348	21342	BB
26		18.404	119045	15291	BB
27		18.660	3001	597	BB
28		18.897	1391	228	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010195

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082** **Project: 10780.01.005**

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		19.111	23451	3988	BB
30		19.345	9983	1587	BB
31		19.717	122571	17084	BB
32		20.232	11774	2294	BB
33		20.448	89023	16160	BB
34		20.675	5053	1123	BB
35		21.118	333	71	BB
36		21.315	3658	698	BB
37		21.694	30748	7166	BB
38		21.942	111445	23945	BB
39		22.064	1712	824	BB
40		22.143	15203	4340	BB
41		22.387	203277	40101	BB
42		22.725	15536	2934	BB
43		22.879	27241	6193	BB
44		23.071	202080	39406	BB

	Name	RT	Area	Height	Int Type
45		23.381	95652	14722	BB
46		23.540	84618	17949	BB
47		24.000	86511	18042	BB
48		24.102	63754	18712	BB
49		24.222	42036	11442	BB
50		24.604	26673	4651	BB
51		24.887	103366	25685	BB
52		25.011	31289	9298	BB
53		25.123	13047	3983	BB
54		25.277	1361	429	BB
55		25.428	18636	4382	BB
56		25.605	291012	46538	BB
57		26.175	1242	454	BB
58		26.292	32224	9423	BB
59		26.420	139487	26793	BB
60		26.765	3607	904	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010196

CLIENT: Lionville Laboratory, Inc. CYCLES 90 **Method 8082** **Project: 10780.01.005**

SampleName CCV_12 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 1:43:28 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		26.982	3664	676	BB
62		27.292	25586	4710	BB
63		28.002	68274	8451	BB
64		28.809	20691	2930	BB
65	DCB	29.304	557683	71210	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010197

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082**

Project: 10780.01.005

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

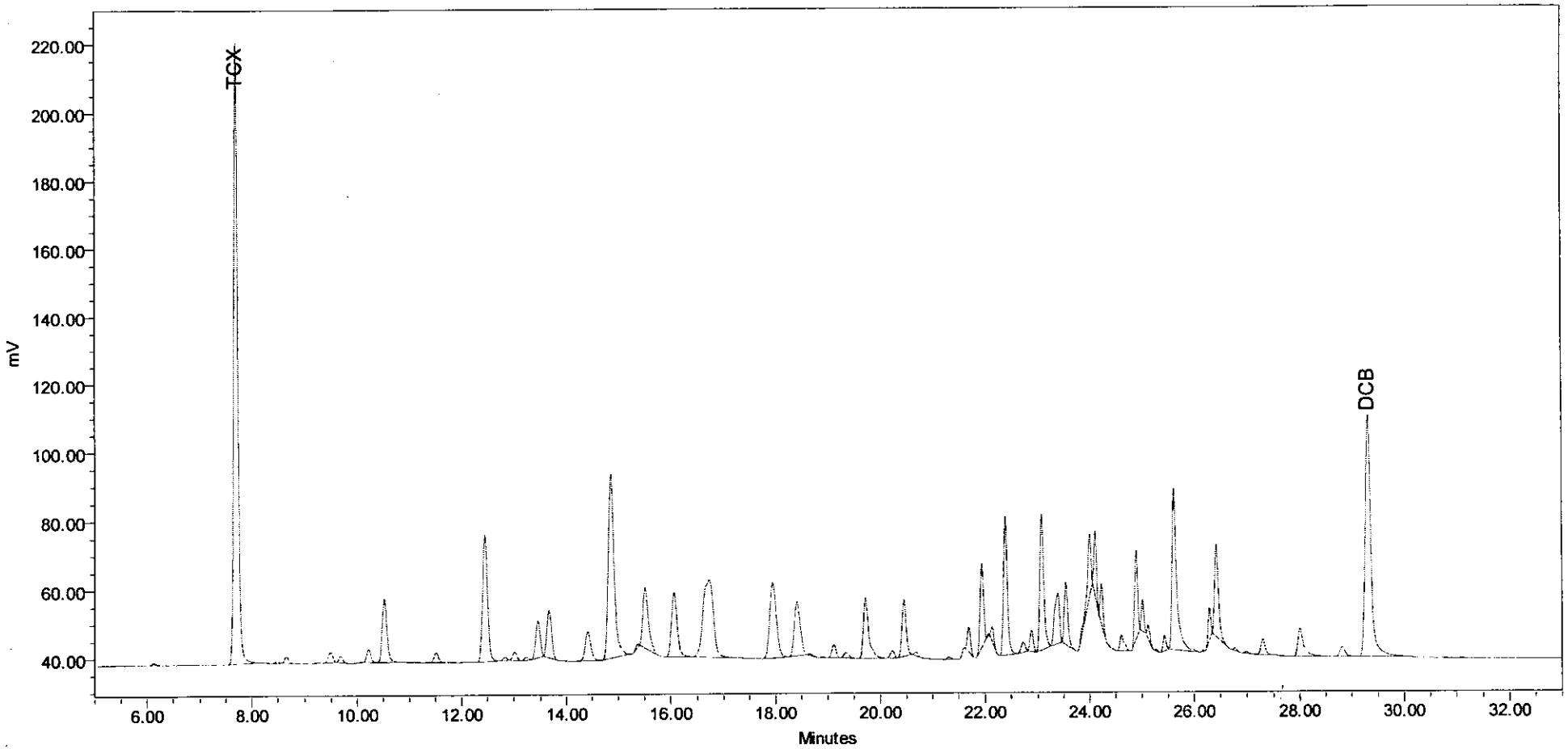
Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004



SampleName CCV_13 CYCLES 93 Channel SATIN-2 Date Acquired 08/25/04 4:16:41 PM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010198

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082** **Project: 10780.01.005**

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.138	2905	535	BB
2	TCX	7.700	969462	182137	BB
3		8.494	2609	587	BB
4		8.662	9631	1877	BB
5		9.239	1218	211	BB
6		9.488	18276	2970	BB
7		9.681	9772	1969	BB
8		10.083	391	114	BB
9		10.225	21469	3845	BB
10		10.528	118241	18646	BB
11		11.103	372	76	BB
12		11.512	16752	2903	BB
13		12.454	241890	36766	BB
14		12.838	5161	991	BB

	Name	RT	Area	Height	Int Type
15		13.017	13819	2443	BB
16		13.232	4921	894	BB
17		13.450	63469	10814	BB
18		13.661	86265	14005	BB
19		13.945	706	131	BB
20		14.417	66136	8638	BB
21		14.866	423374	53429	BB
22		15.360	3394	991	BB
23		15.515	130388	17659	BB
24		16.065	141637	18885	BB
25		16.724	314901	22677	BB
26		17.946	199404	22132	BB
27		18.407	124609	15820	BB
28		18.663	2315	434	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010199

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082** **Project: 10780.01.005**

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		18.901	1135	207	BB
30		19.115	22441	3893	BB
31		19.347	10369	1592	BB
32		19.718	124452	17731	BB
33		20.233	11593	2245	BB
34		20.450	91602	16458	BB
35		20.672	5363	1165	BB
36		21.316	4060	757	BB
37		21.696	31262	7277	BB
38		21.943	113536	24542	BB
39		22.068	1179	590	BB
40		22.143	15952	4292	BB
41		22.389	207234	40429	BB
42		22.728	15880	2977	BB
43		22.880	27617	6294	BB
44		23.071	205828	39820	BB

	Name	RT	Area	Height	Int Type
45		23.382	96808	14745	BB
46		23.542	86044	18258	BB
47		24.001	87721	18477	BB
48		24.104	64326	18896	BB
49		24.223	42694	11591	BB
50		24.606	26791	4646	BB
51		24.890	103969	25948	BB
52		25.013	31602	9304	BB
53		25.118	13450	3959	BB
54		25.277	1453	452	BB
55		25.428	18979	4563	BB
56		25.606	290481	46692	BB
57		26.176	1203	432	BB
58		26.292	31814	9469	BB
59		26.421	138948	26839	BB
60		26.773	3719	927	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010200

CLIENT: Lionville Laboratory, Inc. CYCLES 93 **Method 8082** **Project: 10780.01.005**

SampleName CCV_13 Inj Vol 1.0 ul

Client_ID STD2004:18:04 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: Standard

System Name GC12_SYS

Date Acquired 08/25/04 4:16:41 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		26.982	2983	572	BB
62		27.295	25479	4661	BB
63		28.004	66715	8427	BB
64		28.813	20199	2912	BB
65	DCB	29.307	545114	70497	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Lionville Laboratory, Inc.
TASK ORDER: 040802-7
SRR: 26202
SDG: 248028
CASE: F04-025
VTSR: July 15, 2004
PROJECT#: 10780.01.00X

QC RAW DATA

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

LAB BLANK

010202

Lab Name: SwRI	Client: Lionville Laboratory	Project: 10780.01.005
Lab Code: SwRI	Case #: F04-025	SDG: 248028
Matrix : Biota	Sample wt/vol : 0.00050 kg	Lab Sample ID : 249799
% Moisture : 0	Decanted (Y/N) : N	SwRI ID : 249799
Extraction (SEPF/Cont/Sonc) : SOXH		Date Analyzed: 8/24/2004
Concentrated Extract Volume : 2000 uL		Date Received: NA
Injection Volume : 1.00 uL	pH: NA	Date Extracted: 8/18/04
GPC Cleanup (Y/N) : N	Dilution Factor : 1	

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	---------	Aroclor-1016	0.200	U
11104-28-2	---------	Aroclor-1221	0.200	U
11141-16-5	---------	Aroclor-1232	0.200	U
53469-21-9	---------	Aroclor-1242	0.200	U
12672-29-6	---------	Aroclor-1248	0.200	U
11097-69-1	---------	Aroclor-1254	0.200	U
11096-82-5	---------	Aroclor-1260	0.200	U
11100-14-4	---------	AR1268	0.200	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.

E - This flag identifies compounds whose concentration exceed the calibration range.

P - This flag identifies compounds whose RPD exceed 40%

D - Dilution

SOXH - Soxhlet

SEPF - Sep-Funnel

NQ - Not Quantitated. Concentration exceedes calibration.

010203

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082** **Project: 10780.01.005**

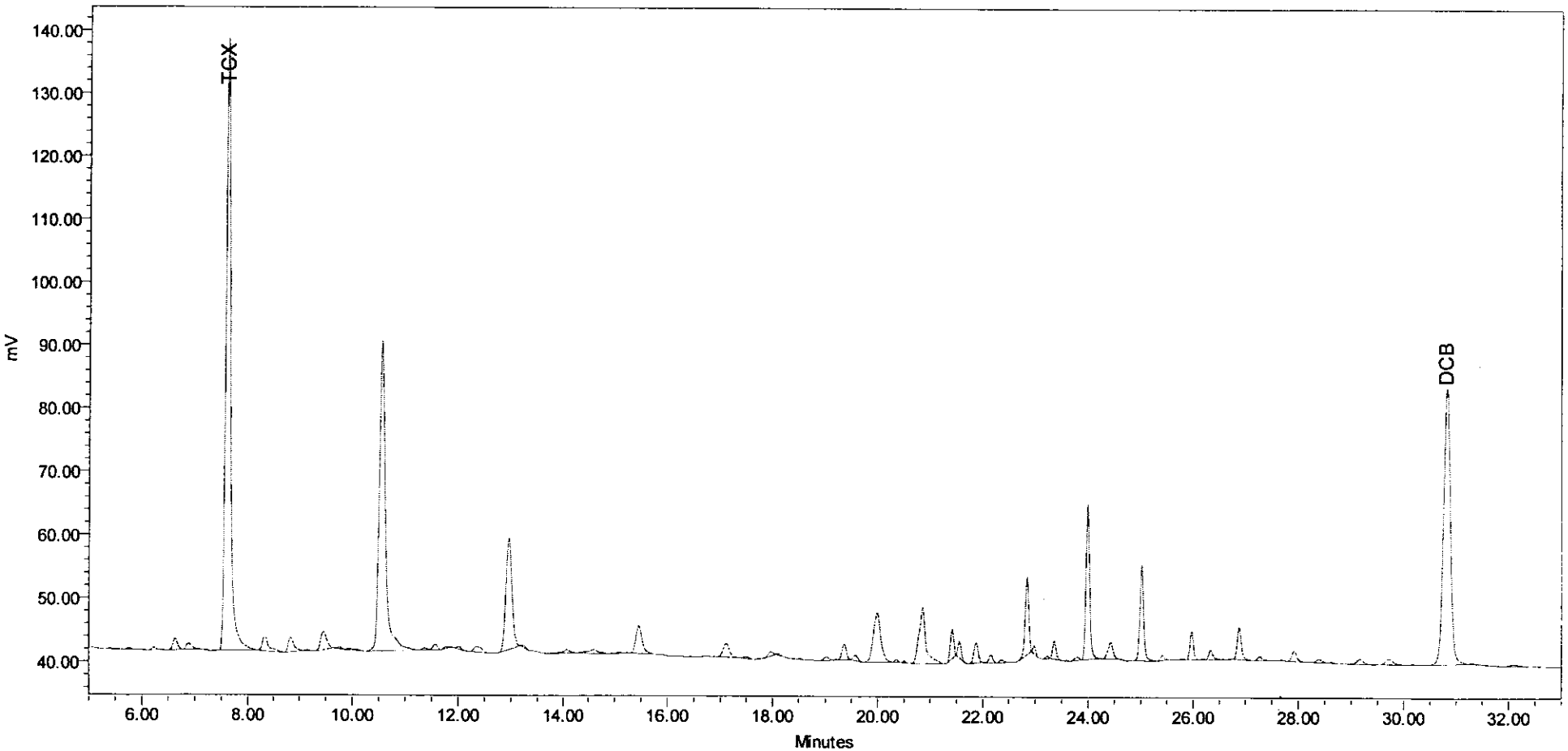
SampleName 249799 Inj Vol 1.0 ul Case: F04-025

Client_ID LAB BLANK_p472 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004



SampleName 249799 CYCLES 67 Channel SATIN Date Acquired 08/24/04 6:08:18 PM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

010204

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082**

Project: 10780.01.005

SampleName 249799 Inj Vol 1.0 ul

Client_ID LAB BLANK_p472 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.401	514	117	BB
2		5.571	230	52	BB
3		5.748	1291	224	BB
4		6.026	333	79	BB
5		6.226	2336	436	BB
6		6.395	277	75	BB
7		6.630	10957	1860	BB
8		6.880	7975	995	BB
9		7.200	565	128	BB
10		7.393	650	107	BB
11	TCX	7.594	617312	97050	BB
12		8.322	20207	2425	BB
13		8.825	17947	2328	BB
14		9.158	914	149	BB

	Name	RT	Area	Height	Int Type
15		9.453	22145	2868	BB
16		9.757	1554	248	BB
17		9.944	2555	211	BB
18		10.551	407949	48897	BB
19		11.366	1924	337	BB
20		11.566	5107	892	BB
21		11.768	1422	257	BB
22		12.022	1987	371	BB
23		12.352	9015	883	BB
24		12.954	136168	17563	BB
25		13.240	1452	302	BB
26		14.071	5450	566	BB
27		14.599	9364	628	BB
28		15.091	733	133	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010205

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082**

Project: 10780.01.005

SampleName 249799 Inj Vol 1.0 ul

Client_ID LAB BLANK_p472 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		15.236	212	59	BB
30		15.457	36589	4323	BB
31		16.199	214	40	BB
32		16.438	593	105	BB
33		16.715	446	70	BB
34		17.107	17352	2159	BB
35		17.489	2175	292	BB
36		17.722	240	53	BB
37		17.969	4543	668	BB
38		18.117	818	203	BB
39		18.517	565	120	BB
40		19.014	3719	543	BB
41		19.197	248	72	BB
42		19.355	14013	2435	BB
43		19.571	5394	831	BB
44		19.991	77265	7765	BB

	Name	RT	Area	Height	Int Type
45		20.355	1894	425	BB
46		20.498	1285	299	BB
47		20.848	80662	8797	BB
48		21.412	20983	4646	BB
49		21.548	11624	2608	BB
50		21.875	18198	3185	BB
51		22.161	6219	1248	BB
52		22.362	2506	442	BB
53		22.553	420	101	BB
54		22.843	57235	12145	BB
55		22.978	4437	1248	BB
56		23.224	1641	430	BB
57		23.356	13022	2829	BB
58		23.588	516	147	BB
59		23.791	3361	591	BB
60		23.981	120652	24278	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010206

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082**

Project: 10780.01.005

SampleName 249799 Inj Vol 1.0 ul

Client_ID LAB BLANK_p472 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		24.427	17518	2632	BB
62		24.650	327	88	BB
63		25.013	74140	14961	BB
64		25.414	3865	799	BB
65		25.591	338	75	BB
66		25.785	819	158	BB
67		25.965	20393	4366	BB
68		26.187	642	180	BB
69		26.330	8047	1442	BB
70		26.582	227	73	BB
71		26.708	309	87	BB
72		26.876	27873	5042	BB
73		27.267	3901	590	BB
74		27.693	288	81	BB
75		27.916	11147	1641	BB
76		28.395	3898	506	BB

	Name	RT	Area	Height	Int Type
77		28.637	825	138	BB
78		29.171	7064	772	BB
79		29.519	232	53	BB
80		29.717	8715	871	BB
81		30.344	223	37	BB
82	DCB	30.814	406002	43535	BB
83		31.339	820	98	BB
84		32.105	3189	251	BB
85		32.534	589	70	BB
86		33.384	6362	348	BB
87		34.038	252	35	BB
88		34.579	300	37	BB
89		34.847	931	95	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010207

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082**

Project: 10780.01.005

SampleName 249799 Inj Vol 1.0 ul

Client_ID LAB BLANK_p472 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

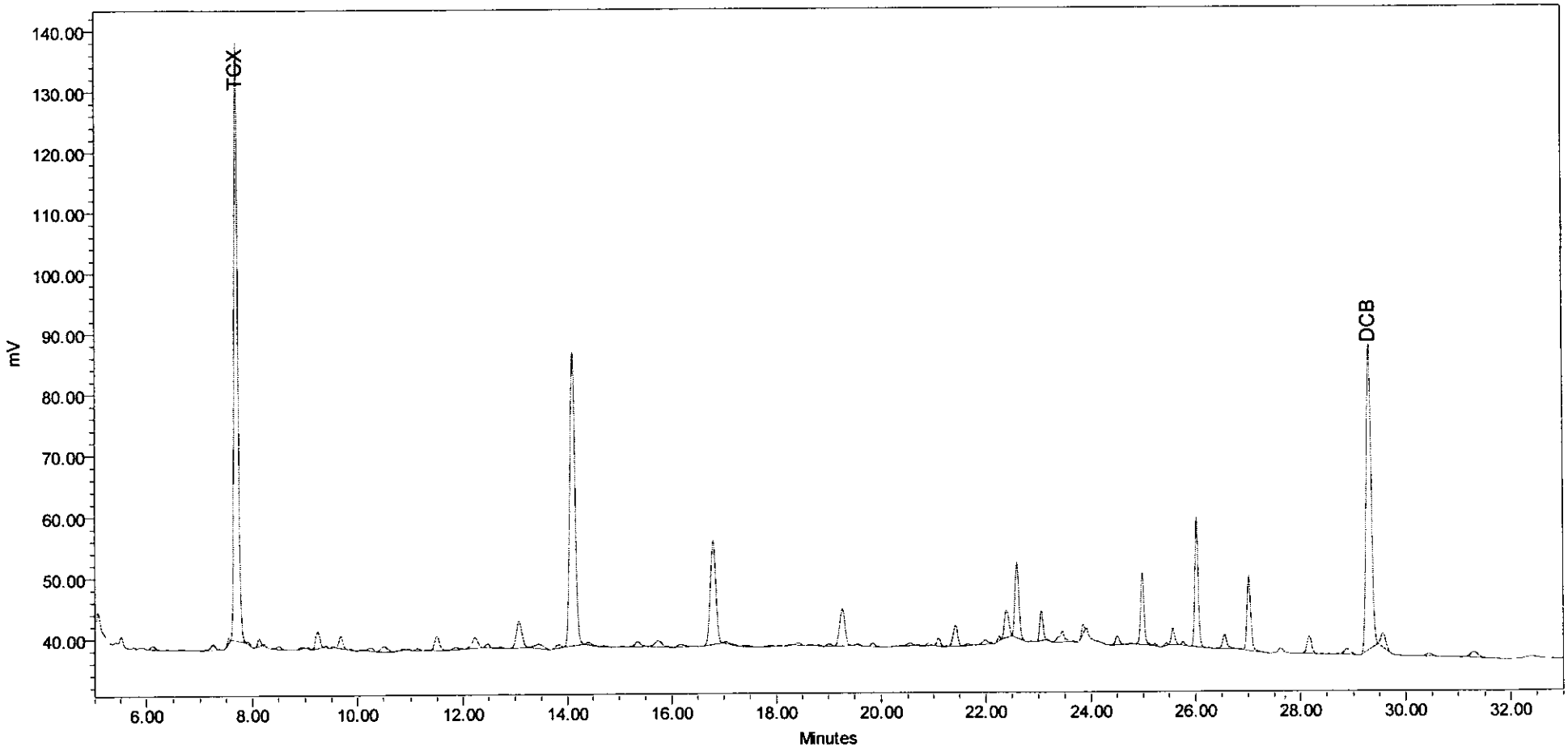
Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004



SampleName 249799 CYCLES 67 Channel SATIN-2 Date Acquired 08/24/04 6:08:18 PM

Peak areas less than 200 are not show n.

Manual integrations are identified by low er case letters in the "Int Type" field.

0102C8

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082**

SampleName 249799 Inj Vol 1.0 ul

Client_ID LAB BLANK_p472 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.138	3708	603	BB
2		6.651	1194	184	BB
3		6.923	302	51	BB
4		7.244	6242	902	BB
5		7.543	2982	960	BB
6	TCX	7.703	486498	98455	BB
7		7.920	1410	385	BB
8		8.134	4785	1182	BB
9		8.237	888	293	BB
10		8.507	3616	534	BB
11		8.940	1475	285	BB
12		9.064	834	199	BB
13		9.236	15416	2758	BB
14		9.393	1096	305	BB

	Name	RT	Area	Height	Int Type
15		9.529	1151	312	BB
16		9.676	10854	1982	BB
17		9.880	485	110	BB
18		10.095	584	118	BB
19		10.273	3328	451	BB
20		10.520	7276	880	BB
21		10.870	620	156	BB
22		10.983	395	118	BB
23		11.128	1679	305	BB
24		11.303	282	70	BB
25		11.498	15078	2340	BB
26		11.860	3330	345	BB
27		12.238	13892	1771	BB
28		12.476	3866	657	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010209

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082**

Project: 10780.01.005

SampleName 249799 Inj Vol 1.0 ul

Client_ID LAB BLANK_p472 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.730	1210	232	BB
30		13.074	31683	4339	BB
31		13.450	8852	741	BB
32		13.816	4026	576	BB
33		14.105	345169	47990	BB
34		14.418	3212	440	BB
35		14.738	1388	207	BB
36		15.059	641	126	BB
37		15.350	6770	841	BB
38		15.741	10028	1028	BB
39		16.166	4046	445	BB
40		16.799	125320	16947	BB
41		17.037	2955	343	BB
42		17.413	2153	224	BB
43		17.885	1563	203	BB
44		18.077	389	76	BB

	Name	RT	Area	Height	Int Type
45		18.262	518	126	BB
46		18.429	2892	417	BB
47		18.650	1405	233	BB
48		18.812	569	141	BB
49		19.006	2464	392	BB
50		19.270	42897	6138	BB
51		19.567	325	91	BB
52		19.845	3348	612	BB
53		20.281	221	56	BB
54		20.371	289	77	BB
55		20.544	3076	456	BB
56		20.703	637	137	BB
57		20.894	2190	442	BB
58		21.100	6699	1355	BB
59		21.249	347	129	BB
60		21.424	19885	3456	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010210

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082** **Project: 10780.01.005**

SampleName 249799 Inj Vol 1.0 ul Case: F04-025

Client_ID LAB BLANK_p472 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		21.652	1775	245	BB
62		21.987	5786	737	BB
63		22.256	2649	757	BB
64		22.394	26877	4612	BB
65		22.597	64586	12340	BB
66		22.865	284	96	BB
67		23.058	20601	4884	BB
68		23.177	300	113	BB
69		23.451	13028	1767	BB
70		23.658	596	157	BB
71		23.849	5270	1546	BB
72		24.331	215	73	BB
73		24.498	7173	1426	BB
74		24.748	1011	215	BB
75		24.981	53511	11844	BB
76		25.221	1367	382	BB

	Name	RT	Area	Height	Int Type
77		25.444	1817	432	BB
78		25.567	12427	2742	BB
79		25.757	2301	577	BB
80		26.016	93597	21175	BB
81		26.261	474	122	BB
82		26.552	14114	2368	BB
83		26.853	317	80	BB
84		27.011	61127	12163	BB
85		28.169	17179	2872	BB
86		28.406	290	72	BB
87		28.556	424	86	BB
88		28.697	404	93	BB
89		28.885	7320	949	BB
90	DCB	29.305	330270	49946	BB
91		29.568	15712	2370	BB
92		30.454	4118	443	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010211

CLIENT: Lionville Laboratory, Inc. CYCLES 67 **Method 8082** **Project: 10780.01.005**

SampleName 249799 Inj Vol 1.0 ul

Client_ID LAB BLANK_p472 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:08:18 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		31.299	8606	888	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

LCS

010212

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00050 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 249800
SwRI ID : 249800
Date Analyzed: 8/24/2004
Date Received: NA
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	----------	Aroclor-1016	2.07	
11104-28-2	----------	Aroclor-1221	0.200	U
11141-16-5	----------	Aroclor-1232	0.200	U
53469-21-9	----------	Aroclor-1242	0.200	U
12672-29-6	----------	Aroclor-1248	0.200	U
11097-69-1	----------	Aroclor-1254	0.200	U
11096-82-5	----------	Aroclor-1260	2.06	
11100-14-4	----------	AR1268	0.200	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.

E - This flag identifies compounds whose concentration exceed the calibration range.

P - This flag identifies compounds whose RPD exceed 40%

D - Dilution

SOXH - Soxhlet

SEPF - Sep-Funnel

NQ - Not Quantitated. Concentration exceedes calibration.

010213

CLIENT: Lionville Laboratory, Inc. CYCLES 68 **Method 8082** **Project: 10780.01.005**

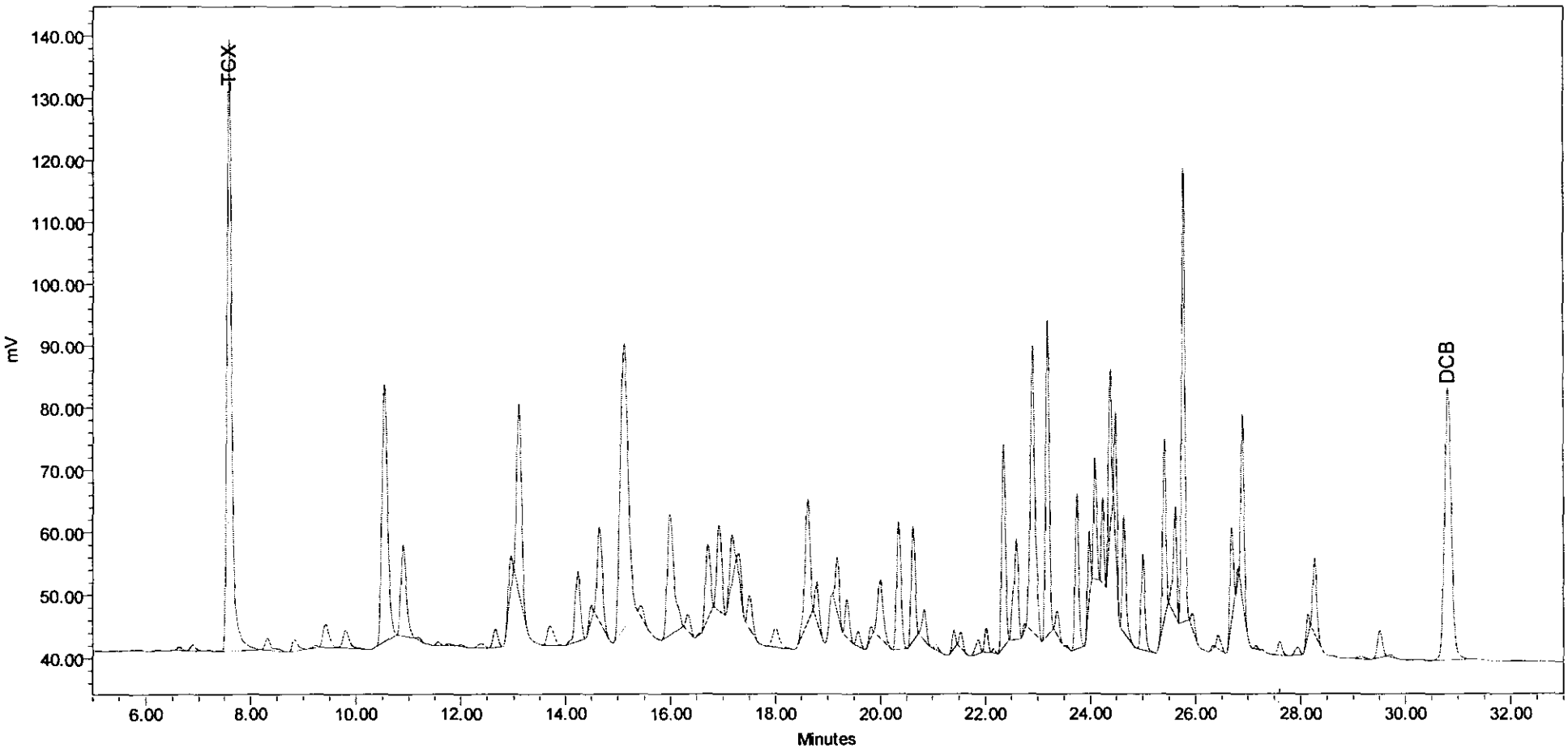
SampleName 249800 Inj Vol 1.0 ul Case: F04-025

Client_ID LCS_p472 Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/24/04 6:59:24 PM

Project Name GC12_Project_2004



SampleName 249800 CYCLES 68 Channel SATIN Date Acquired 08/24/04 6:59:24 PM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

SOUTHWEST RESEARCH INSTITUTE

010214

PEAK DATA

Cycle : a04G1217T68 | Client: Lionville Laboratory | Project: 10780.01.005

Lab Sample ID : 249800 | Case #: F04-025 | SDG: 248028

COMPOUND	RT	AREA	CONC
TCX	7.59	631167	0.1942
AR1016-A	10.90	106574	1.718
AR1016-B	13.10	196280	1.225
AR1016-1	14.24	79885	1.868
AR1016-2	15.12	472356	1.650
AR1016-C	15.99	174952	1.964
AR1016-3	16.72	77341	2.026
AR1016-4	16.93	88778	1.829
AR1016-D	17.99	28905	2.867
AR1016-5	18.79	31975	2.002
AR1016-E	19.37	33456	2.569
AR1260-1	24.47	73494	1.820
AR1260-A	24.64	87002	2.145
AR1260-B	25.41	122926	1.990
AR1260-C	25.61	82136	2.148
AR1260-D	25.76	324957	1.867
AR1260-E	26.69	64079	2.257
AR1260-3	26.89	126247	2.381
AR1260-4	28.26	62241	2.195
AR1260-5	29.51	28358	1.718
DCB	30.81	392573	0.1984

010215

CLIENT: Lionville Laboratory, Inc. CYCLES 68 **Method 8082**

Project: 10780.01.005

SampleName 249800 Inj Vol 1.0 ul

Client_ID LCS_p472 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:59:24 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.103	453	101	BB
2		5.390	594	99	BB
3		6.208	1516	254	BB
4		6.627	3116	568	BB
5		6.876	7016	913	BB
6		7.201	1093	209	BB
7		7.370	626	117	BB
8	TCX	7.591	631167	98583	BB
9		8.319	17848	2062	BB
10		8.827	14191	1843	BB
11		9.237	2285	412	BB
12		9.427	30401	3599	BB
13		9.811	23581	2811	BB
14		10.548	309738	41026	BB

	Name	RT	Area	Height	Int Type
15		10.899	106574	14514	BB
16		11.193	2319	487	BB
17		11.570	3337	601	BB
18		11.769	2021	295	BB
19		12.017	1639	299	BB
20		12.390	6112	682	BB
21		12.656	19280	2908	BB
22		12.937	26825	5881	BB
23		13.099	196280	30002	BB
24		13.692	28346	3085	BB
25		14.238	79885	11057	BB
26		14.483	10983	2428	BB
27		14.652	102366	14958	BB
28		15.117	472356	45623	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010216

CLIENT: Lionville Laboratory, Inc. CYCLES 68 **Method 8082** **Project: 10780.01.005**

SampleName 249800 Inj Vol 1.0 ul

Client_ID LCS_p472 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:59:24 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		15.457	11048	1879	BB
30		15.991	174952	19252	BB
31		16.333	15943	2642	BB
32		16.540	891	261	BB
33		16.718	77341	11768	BB
34		16.931	88778	13653	BB
35		17.167	41614	7489	BB
36		17.313	18117	3893	BB
37		17.506	33804	5371	BB
38		17.994	28905	3085	BB
39		18.619	131112	19545	BB
40		18.787	31975	6157	BB
41		19.174	42231	8415	BB
42		19.366	33456	6191	BB
43		19.570	13415	2354	BB
44		19.807	7806	1875	BB

	Name	RT	Area	Height	Int Type
45		19.994	69044	9311	BB
46		20.349	120656	20273	BB
47		20.628	98677	18276	BB
48		20.844	28211	4922	BB
49		21.067	4348	848	BB
50		21.406	12044	2919	BB
51		21.535	11895	2503	BB
52		21.863	13863	2221	BB
53		22.014	17068	3909	BB
54		22.152	2722	696	BB
55		22.348	162723	32294	BB
56		22.593	98204	15895	BB
57		22.733	3252	1180	BB
58		22.895	287762	45865	BB
59		23.182	246673	50716	BB
60		23.373	18310	3867	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010217

CLIENT: Lionville Laboratory, Inc. CYCLES 68 **Method 8082**

Project: 10780.01.005

SampleName 249800 Inj Vol 1.0 ul

Client_ID LCS_p472 Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:59:24 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		23.544	1231	348	BB
62		23.744	117316	24610	BB
63		23.979	39075	11137	BB
64		24.085	79744	19376	BB
65		24.229	46781	13723	BB
66		24.374	104547	26292	BB
67		24.473	73494	20458	BB
68		24.642	87002	18534	BB
69		25.002	77228	15238	BB
70		25.405	122926	28951	BB
71		25.609	82136	17485	BB
72		25.761	324957	73071	BB
73		25.953	12056	2682	BB
74		26.317	1437	471	BB
75		26.423	12067	2197	BB
76		26.690	64079	14813	BB

	Name	RT	Area	Height	Int Type
77		26.793	4268	2090	BB
78		26.891	126247	29433	BB
79		27.145	2255	577	BB
80		27.595	12540	2153	BB
81		27.937	7890	1246	BB
82		28.133	12842	3350	BB
83		28.264	62241	11969	BB
84		29.174	3661	423	BB
85		29.509	28358	4302	BB
86		29.723	2579	377	BB
87		30.161	583	75	BB
88	DCB	30.810	392573	43634	BB
89		32.095	2203	173	BB
90		33.374	4908	288	BB
91		34.875	401	42	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010218

CLIENT: Lionville Laboratory, Inc. CYCLES 68 **Method 8082** **Project: 10780.01.005**

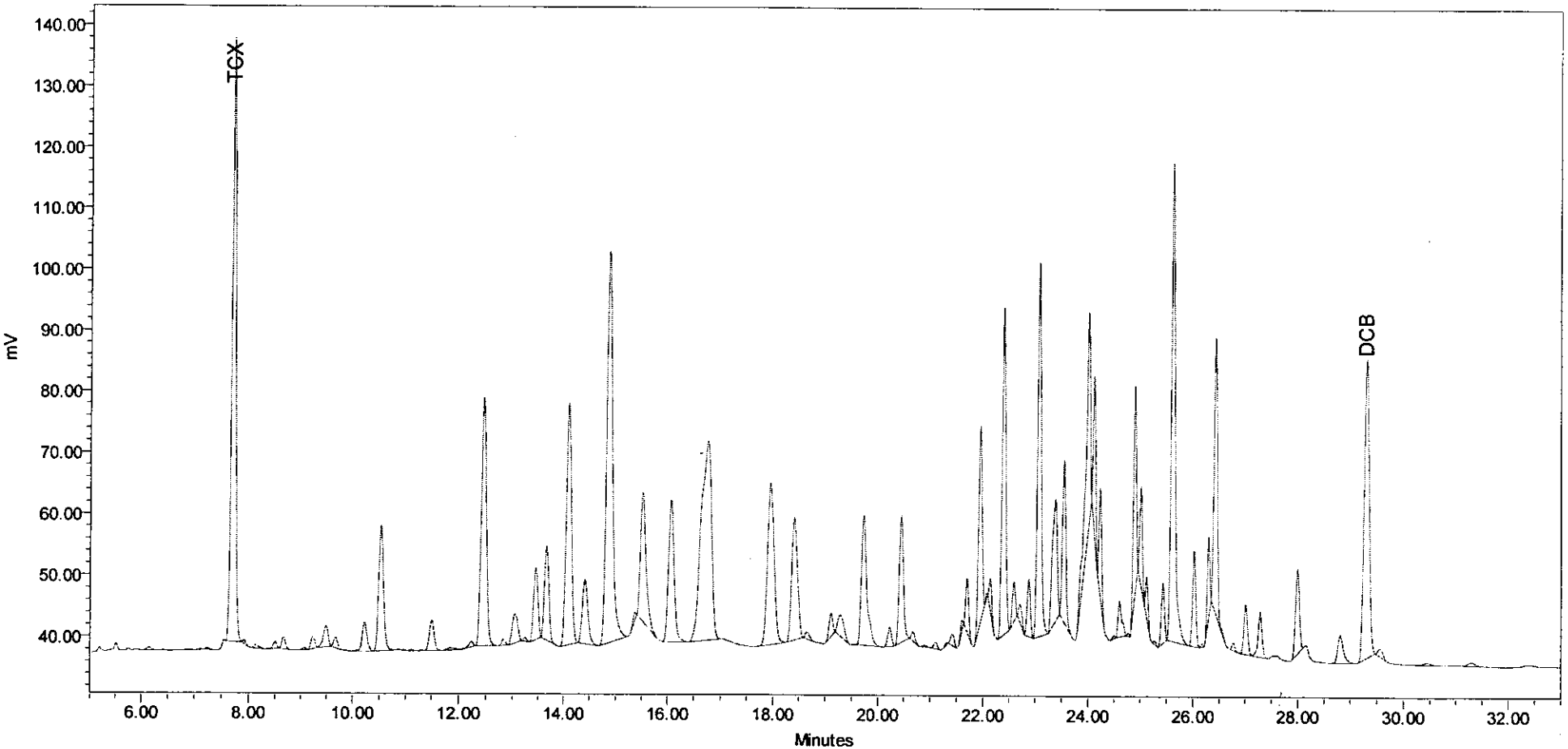
SampleName 249800 Inj Vol 1.0 ul Case: F04-025

Client_ID LCS_p472 Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/24/04 6:59:24 PM

Project Name GC12_Project_2004



SampleName 249800 CYCLES 68 Channel SATIN-2 Date Acquired 08/24/04 6:59:24 PM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

SOUTHWEST RESEARCH INSTITUTE

PEAK DATA

Cycle : b04G1217T68 | Client: Lionville Laboratory | Project: 10780.01.005

Lab Sample ID : 249800 | Case #: F04-025 | SDG: 248028

COMPOUND	RT	AREA	CONC
TCX	7.70	494028	0.1657
AR1016-1	10.22	30114	2.326
AR1016-A	10.53	128869	1.796
AR1016-2	12.45	261128	1.766
AR1016-B	12.84	4997	1.550
AR1016-3	13.04	34411	4.068
AR1016-C	13.45	69676	1.813
AR1016-4	13.66	93152	1.761
AR1016-D	14.41	76902	1.824
AR1016-5	14.86	501869	1.858
AR1016-E	16.06	169651	1.932
AR1260-1	18.40	154431	1.964
AR1260-A	19.11	18002	1.159
AR1260-B	21.69	36254	1.895
AR1260-2	22.72	13570	1.144
AR1260-C	22.88	40384	2.103
AR1260-D	23.54	115970	2.003
AR1260-3	24.10	85050	1.978
AR1260-4	25.00	56396	2.552
AR1260-E	26.29	44605	2.077
DCB	29.30	323682	0.1816

010220

CLIENT: Lionville Laboratory, Inc. CYCLES 68 **Method 8082**

SampleName 249800 Inj Vol 1.0 ul

Client_ID LCS_p472 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Project: 10780.01.005

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:59:24 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.149	3294	551	BB
2		6.399	450	81	BB
3		6.858	837	125	BB
4		7.109	450	105	BB
5		7.245	1291	276	BB
6	TCX	7.700	494028	98887	BB
7		7.920	2385	623	BB
8		8.131	3329	579	BB
9		8.497	5598	1161	BB
10		8.662	9850	1964	BB
11		9.069	1731	370	BB
12		9.236	10524	1987	BB
13		9.491	22241	3378	BB
14		9.673	8762	1692	BB

	Name	RT	Area	Height	Int Type
15		9.873	272	60	BB
16		10.224	30114	4731	BB
17		10.527	128869	20635	BB
18		10.872	422	114	BB
19		10.980	434	119	BB
20		11.116	1216	235	BB
21		11.316	297	79	BB
22		11.506	31054	4943	BB
23		11.852	3736	381	BB
24		12.235	5017	848	BB
25		12.452	261128	40415	BB
26		12.835	4997	1032	BB
27		13.044	34411	4722	BB
28		13.230	2693	595	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010221

CLIENT: Lionville Laboratory, Inc. CYCLES 68 **Method 8082** **Project: 10780.01.005**

SampleName 249800 Inj Vol 1.0 ul

Client_ID LCS_p472 Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 6:59:24 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		13.448	69676	11801	BB
30		13.659	93152	15233	BB
31		14.100	276252	39287	BB
32		14.415	76902	10521	BB
33		14.862	501869	63931	BB
34		15.353	5160	1382	BB
35		15.513	156075	21125	BB
36		16.061	169651	23102	BB
37		16.757	442163	32502	BB
38		17.940	235182	26333	BB
39		18.402	154431	19987	BB
40		18.655	6403	1149	BB
41		18.890	307	109	BB
42		19.111	18002	3744	BB
43		19.279	27935	3402	BB
44		19.548	398	131	BB

	Name	RT	Area	Height	Int Type
45		19.718	154116	21156	BB
46		20.228	15701	3110	BB
47		20.445	113589	20559	BB
48		20.674	7009	1551	BB
49		20.894	1502	299	BB
50		21.098	5108	1046	BB
51		21.303	875	313	BB
52		21.419	8797	1875	BB
53		21.590	5085	1819	BB
54		21.692	36254	8785	BB
55		21.939	148120	32293	BB
56		22.057	2016	987	BB
57		22.140	18501	5291	BB
58		22.385	259953	53586	BB
59		22.593	26925	6478	BB
60		22.720	13570	3103	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J43MS

010223

Lab Name: SwRI
Lab Code: SwRI
Matrix : Biota
% Moisture : 0
Extraction (SEPF/Cont/Sonc) : SOXH
Concentrated Extract Volume : 2000 uL
Injection Volume : 1.00 uL
GPC Cleanup (Y/N) : N

Client: Lionville Laboratory
Case #: F04-025
Sample wt/vol : 0.00053 kg
Decanted (Y/N) : N
pH: NA
Dilution Factor : 1

Project: 10780.01.005
SDG: 248028
Lab Sample ID : 248031MS
SwRI ID : 248031MS
Date Analyzed: 8/24/2004
Date Received: 7/15/2004
Date Extracted: 8/18/04

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	---------	Aroclor-1016	1.91	
11104-28-2	---------	Aroclor-1221	0.189	U
11141-16-5	---------	Aroclor-1232	0.189	U
53469-21-9	---------	Aroclor-1242	0.189	U
12672-29-6	---------	Aroclor-1248	0.189	U
11097-69-1	---------	Aroclor-1254	0.189	U
11096-82-5	---------	Aroclor-1260	2.00	
11100-14-4	---------	AR1268	0.189	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.
E - This flag identifies compounds whose concentration exceed the calibration range.
P - This flag identifies compounds whose RPD exceed 40%
D - Dilution
SOXH - Soxhlet
SEPF - Sep-Funnel
NQ - Not Quantitated. Concentration exceedes calibration.

010224

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082** **Project: 10780.01.005**

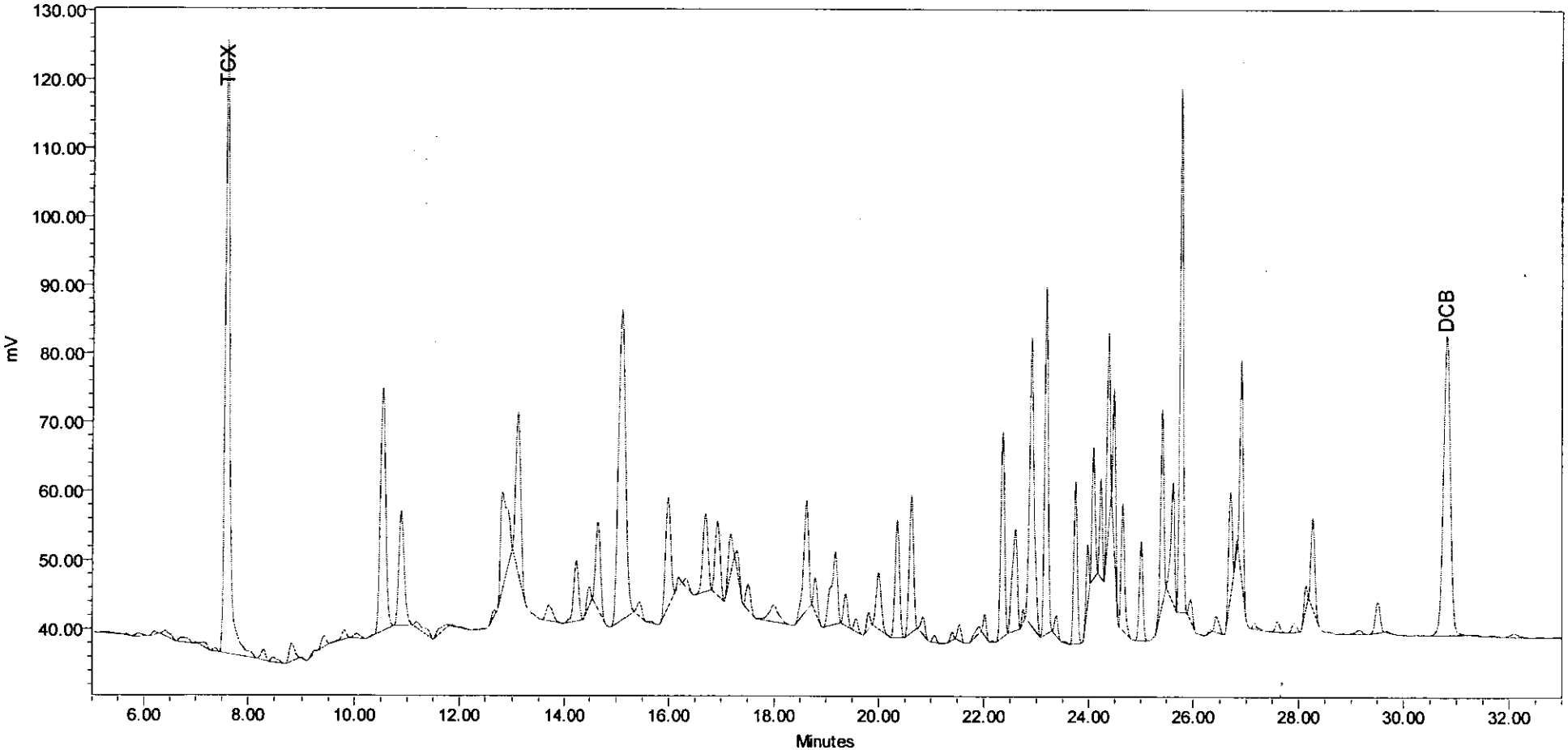
SampleName 248031MS Inj Vol 1.0 ul Case: F04-025

Client_ID B19J43MS Channel SATIN SDG: 248028

Channel Description DB-608 (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004



SampleName 248031MS CYCLES 72 Channel SATIN Date Acquired 08/24/04 10:23:53 PM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

SOUTHWEST RESEARCH INSTITUTE

PEAK DATA

Cycle : a04G1217T72 Client: Lionville Laboratory Project: 10780.01.005
Lab Sample ID : 248031MS Case #: F04-025 SDG: 248028

COMPOUND	RT	AREA	CONC
TCX	7.59	571058	0.1656
AR1016-A	10.89	116669	1.772
AR1016-B	13.09	146004	0.8588
AR1016-1	14.23	60363	1.330
AR1016-2	15.10	419215	1.381
AR1016-C	15.98	107458	1.137
AR1016-3	16.69	76773	1.895
AR1016-4	16.92	70790	1.374
AR1016-D	17.99	30484	2.849
AR1016-5	18.79	25651	1.514
AR1016-E	19.36	24685	1.786
AR1260-1	24.47	79188	1.848
AR1260-A	24.64	86208	2.003
AR1260-B	25.40	117491	1.792
AR1260-C	25.61	85848	2.116
AR1260-D	25.76	330831	1.792
AR1260-E	26.69	67332	2.235
AR1260-3	26.89	129496	2.301
AR1260-4	28.26	66763	2.219
AR1260-5	29.51	29494	1.684
DCB	30.81	388231	0.1849

010226

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082** **Project: 10780.01.005**

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.041	299	78	BB
2		5.293	2310	245	BB
3		5.532	295	92	BB
4		5.680	924	186	BB
5		5.903	3686	429	BB
6		6.194	2782	482	BB
7		6.410	8262	783	BB
8		6.748	8073	657	BB
9		6.992	327	99	BB
10		7.187	5359	738	BB
11		7.375	2623	458	BB
12	TCX	7.587	571058	89281	BB
13		8.295	8828	1516	BB
14		8.470	6521	709	BB

	Name	RT	Area	Height	Int Type
15		8.810	17672	2575	BB
16		9.010	683	192	BB
17		9.210	2544	452	BB
18		9.413	10142	1595	BB
19		9.802	9026	1376	BB
20		10.042	5300	644	BB
21		10.323	411	117	BB
22		10.535	247077	35239	BB
23		10.887	116669	16496	BB
24		11.190	14209	918	BB
25		11.600	9198	805	BB
26		11.877	679	163	BB
27		12.023	1467	156	BB
28		12.310	470	114	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010227

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082** **Project: 10780.01.005**

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.456	583	129	BB
30		12.643	4483	1018	BB
31		12.811	121637	14056	BB
32		13.091	146004	22931	BB
33		13.684	20649	2291	BB
34		14.232	60363	8724	BB
35		14.470	13859	2825	BB
36		14.644	79969	12448	BB
37		15.096	419215	44919	BB
38		15.435	12931	2041	BB
39		15.650	1267	234	BB
40		15.975	107458	15873	BB
41		16.173	5788	1404	BB
42		16.330	7342	1256	BB
43		16.695	76773	11205	BB
44		16.925	70790	10578	BB

	Name	RT	Area	Height	Int Type
45		17.163	31671	5854	BB
46		17.307	14088	3049	BB
47		17.502	23062	3726	BB
48		17.991	30484	2465	BB
49		18.616	107958	15806	BB
50		18.787	25651	4987	BB
51		19.169	90936	10506	BB
52		19.364	24685	4529	BB
53		19.562	9721	1803	BB
54		19.807	11155	2423	BB
55		19.993	53838	8119	BB
56		20.347	98103	16942	BB
57		20.620	112655	19792	BB
58		20.842	14079	2555	BB
59		21.059	4901	992	BB
60		21.226	372	82	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010228

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082**

Project: 10780.01.005

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		21.400	4768	1183	BB
62		21.532	10819	2287	BB
63		21.897	7647	1008	BB
64		22.010	12009	2996	BB
65		22.161	637	183	BB
66		22.346	147631	29569	BB
67		22.588	99143	14602	BB
68		22.737	5550	1863	BB
69		22.895	252786	41799	BB
70		23.179	240641	50526	BB
71		23.376	12842	2923	BB
72		23.543	927	223	BB
73		23.740	108646	23342	BB
74		23.975	29635	8647	BB
75		24.085	75493	18945	BB
76		24.227	48856	14141	BB

	Name	RT	Area	Height	Int Type
77		24.372	111794	28658	BB
78		24.473	79188	22192	BB
79		24.641	86208	18405	BB
80		25.000	68905	14277	BB
81		25.404	117491	28332	BB
82		25.609	85848	17515	BB
83		25.761	330831	76168	BB
84		25.943	14209	3091	BB
85		26.310	1365	418	BB
86		26.427	13624	2350	BB
87		26.690	67332	15320	BB
88		26.793	3384	1727	BB
89		26.889	129496	31129	BB
90		27.149	5355	928	BB
91		27.403	274	72	BB
92		27.602	8896	1576	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010229

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082** **Project: 10780.01.005**

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		27.920	8828	1333	BB
94		28.130	13247	3478	BB
95		28.264	66763	13005	BB
96		28.846	304	54	BB
97		29.149	5563	621	BB
98		29.509	29494	4440	BB
99		29.713	1024	174	BB
100		30.279	318	50	BB
101	DCB	30.810	388231	43536	BB
102		31.357	1002	123	BB
103		31.701	1323	127	BB
104		32.090	6524	516	BB
105		32.570	630	72	BB
106		32.930	1647	148	BB
107		33.326	2263	202	BB
108		33.651	1432	173	BB

	Name	RT	Area	Height	Int Type
109		33.920	319	36	BB
110		34.524	9139	574	BB
111		34.846	661	76	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

SOUTHWEST RESEARCH INSTITUTE

PEAK DATA

Cycle : b04G1217T72 | Client: Lionville Laboratory | Project: 10780.01.005
Lab Sample ID : 248031MS | Case #: F04-025 | SDG: 248028

COMPOUND	RT	AREA	CONC
TCX	7.70	489531	0.1548
AR1016-1	10.22	28264	2.057
AR1016-A	10.52	110367	1.450
AR1016-2	12.45	246574	1.572
AR1016-B	12.83	7682	2.246
AR1016-3	13.02	19367	2.158
AR1016-C	13.45	71177	1.745
AR1016-4	13.66	94314	1.681
AR1016-D	14.41	97791	2.186
AR1016-5	14.86	513221	1.791
AR1016-E	16.06	204120	2.191
AR1260-1	18.40	138999	1.666
AR1260-A	19.11	20921	1.270
AR1260-B	21.70	40775	2.009
AR1260-2	22.70	20750	1.649
AR1260-C	22.88	43013	2.111
AR1260-D	23.54	115533	1.881
AR1260-3	24.10	90111	1.975
AR1260-4	25.00	54378	2.320
AR1260-5	25.60	378509	1.911
AR1260-E	26.29	44752	1.964
DCB	29.30	327830	0.1733

010232

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082**

Project: 10780.01.005

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.148	2468	506	BB
2		6.297	266	79	BB
3		6.399	447	106	BB
4		6.566	682	155	BB
5		6.909	1053	119	BB
6		7.083	649	137	BB
7		7.256	806	200	BB
8		7.375	212	66	BB
9	TCX	7.698	489531	95982	BB
10		7.951	894	178	BB
11		8.180	1389	246	BB
12		8.294	328	105	BB
13		8.490	4645	813	BB
14		8.666	8875	1675	BB

	Name	RT	Area	Height	Int Type
15		8.873	2347	544	BB
16		9.037	2914	511	BB
17		9.225	16169	2834	BB
18		9.485	21341	3283	BB
19		9.670	5646	940	BB
20		10.046	261	80	BB
21		10.222	28264	4534	BB
22		10.523	110367	18428	BB
23		10.756	223	69	BB
24		10.890	4949	683	BB
25		11.163	2153	427	BB
26		11.337	1758	371	BB
27		11.507	20596	3417	BB
28		11.946	8961	778	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010233

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082**

Project: 10780.01.005

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.257	1646	239	BB
30		12.450	246574	38978	BB
31		12.829	7682	1356	BB
32		13.018	19367	3146	BB
33		13.222	4444	905	BB
34		13.446	71177	12165	BB
35		13.657	94314	15760	BB
36		13.867	286	79	BB
37		14.099	204851	30022	BB
38		14.410	97791	11974	BB
39		14.859	513221	69772	BB
40		15.353	5158	1451	BB
41		15.509	162477	23382	BB
42		16.056	204120	25375	BB
43		16.748	432606	31168	BB
44		17.035	3585	594	BB

	Name	RT	Area	Height	Int Type
45		17.197	434	107	BB
46		17.460	1071	150	BB
47		17.665	1089	184	BB
48		17.939	231083	26046	BB
49		18.402	138999	18615	BB
50		18.639	12914	2442	BB
51		18.873	5465	1020	BB
52		19.109	20921	4246	BB
53		19.301	30047	4005	BB
54		19.557	6396	1430	BB
55		19.719	135378	19500	BB
56		20.054	621	221	BB
57		20.223	16732	3321	BB
58		20.443	116101	21371	BB
59		20.667	7441	1695	BB
60		20.846	7281	1775	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010234

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082**

Project: 10780.01.005

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		20.957	5900	1525	BB
62		21.110	1150	321	BB
63		21.303	747	271	BB
64		21.420	10743	2206	BB
65		21.590	7491	2392	BB
66		21.697	40775	9058	BB
67		21.938	148114	31837	BB
68		22.060	2116	1058	BB
69		22.140	18260	5223	BB
70		22.385	244414	51371	BB
71		22.585	14106	3614	BB
72		22.700	20750	4158	BB
73		22.875	43013	9932	BB
74		23.064	299388	62315	BB
75		23.380	116382	18809	BB
76		23.536	115533	26199	BB

	Name	RT	Area	Height	Int Type
77		23.994	220695	38673	BB
78		24.101	90111	27043	BB
79		24.220	61421	17143	BB
80		24.465	1508	278	BB
81		24.600	26883	5357	BB
82		24.759	2104	867	BB
83		24.885	121519	32206	BB
84		25.003	54378	15311	BB
85		25.115	19963	6223	BB
86		25.422	44483	10696	BB
87		25.596	378509	78953	BB
88		26.013	49831	12089	BB
89		26.169	2038	682	BB
90		26.288	44752	13460	BB
91		26.415	201934	46276	BB
92		26.769	5989	1293	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010235

CLIENT: Lionville Laboratory, Inc. CYCLES 72 **Method 8082**

Project: 10780.01.005

SampleName 248031MS Inj Vol 1.0 ul

Client_ID B19J43MS Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/24/04 10:23:53 PM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		27.006	39454	8040	BB
94		27.286	40879	7637	BB
95		27.989	75887	15250	BB
96		28.163	4147	919	BB
97		28.805	34302	4912	BB
98	DCB	29.299	327830	49777	BB
99		29.561	10199	1614	BB
100		30.446	1677	199	BB
101		31.282	5914	627	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

Method 8082 ORGANIC ANALYTES DATA SHEET

Client Sample ID:

B19J43MSD

010236

Lab Name: SwRI	Client: Lionville Laboratory	Project: 10780.01.005
Lab Code: SwRI	Case #: F04-025	SDG: 248028
Matrix : Biota	Sample wt/vol : 0.00058 kg	Lab Sample ID : 248031MSD
% Moisture : 0	Decanted (Y/N) : N	SwRI ID : 248031MSD
Extraction (SEPF/Cont/Sonc) : SOXH		Date Analyzed: 8/25/2004
Concentrated Extract Volume : 2000 uL		Date Received: 7/15/2004
Injection Volume : 1.00 uL	pH: NA	Date Extracted: 8/18/04
GPC Cleanup (Y/N) : N	Dilution Factor : 1	

CAS NO.		COMPOUND	CONCENTRATION UNITS mg/kg	Q
12674-11-2	---------	Aroclor-1016	1.82	
11104-28-2	---------	Aroclor-1221	0.173	U
11141-16-5	---------	Aroclor-1232	0.173	U
53469-21-9	---------	Aroclor-1242	0.173	U
12672-29-6	---------	Aroclor-1248	0.173	U
11097-69-1	---------	Aroclor-1254	0.173	U
11096-82-5	---------	Aroclor-1260	2.04	
11100-14-4	---------	AR1268	0.173	U

DATA REPORTING QUALIFIERS

U - Indicates compound was analyzed for but not detected at the reported concentration.

E - This flag identifies compounds whose concentration exceed the calibration range.

P - This flag identifies compounds whose RPD exceed 40%

D - Dilution

SOXH - Soxhlet

SEPF - Sep-Funnel

NQ - Not Quantitated. Concentration exceedes calibration.

010237

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082**

Project: 10780.01.005

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

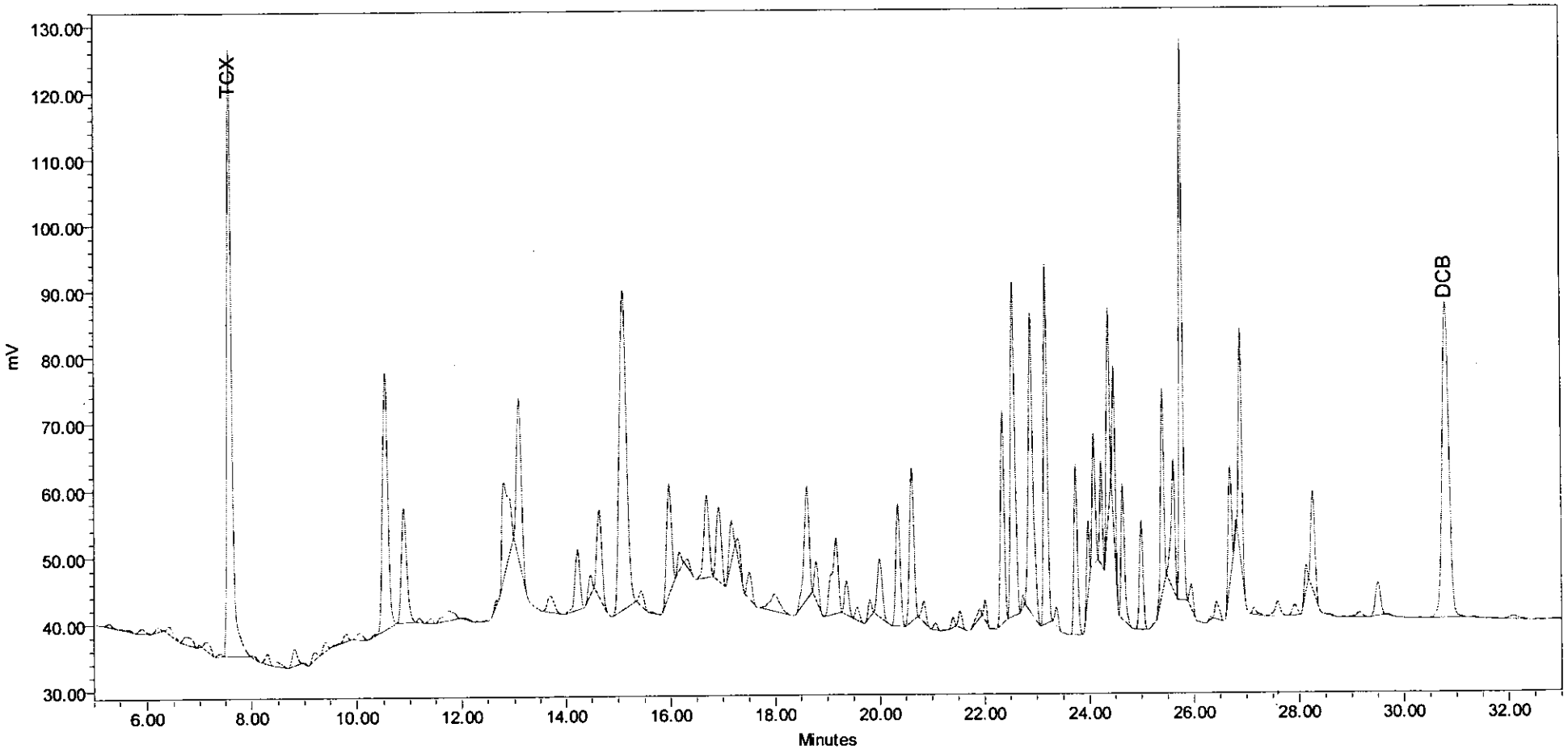
Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004



SampleName 248031MSD CYCLES 75 Channel SATIN Date Acquired 08/25/04 12:57:12 AM

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

SOUTHWEST RESEARCH INSTITUTE

PEAK DATA

Cycle : a04G1217T75
Lab Sample ID : 248031MSD

Client: Lionville Laboratory
Case #: F04-025

Project: 10780.01.005
SDG: 248028

COMPOUND	RT	AREA	CONC
TCX	7.59	561391	0.1490
AR1016-A	10.89	123002	1.710
AR1016-B	13.09	151824	0.8172
AR1016-1	14.23	61562	1.241
AR1016-2	15.10	445004	1.341
AR1016-C	15.98	108269	1.048
AR1016-3	16.69	84359	1.906
AR1016-4	16.93	74820	1.329
AR1016-D	17.99	34668	2.966
AR1016-5	18.79	30713	1.659
AR1016-E	19.36	27252	1.805
AR1260-1	24.47	85689	1.830
AR1260-A	24.64	94011	1.999
AR1260-B	25.40	127984	1.787
AR1260-C	25.61	96010	2.166
AR1260-D	25.76	367984	1.824
AR1260-E	26.69	75853	2.305
AR1260-3	26.89	145753	2.370
AR1260-4	28.26	76297	2.321
AR1260-5	29.51	33711	1.761
DCB	30.81	428155	0.1866

010239

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082**

Project: 10780.01.005

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		5.303	3700	535	BB
2		5.523	491	132	BB
3		5.683	1291	261	BB
4		5.897	5712	680	BB
5		6.194	4391	710	BB
6		6.417	10305	1155	BB
7		6.770	15207	1205	BB
8		6.991	1100	336	BB
9		7.173	11951	1417	BB
10		7.400	2522	444	BB
11	TCX	7.588	561391	91316	BB
12		8.057	2467	420	BB
13		8.297	8924	1592	BB
14		8.474	6058	718	BB

	Name	RT	Area	Height	Int Type
15		8.808	16637	2525	BB
16		8.994	982	224	BB
17		9.183	8248	1267	BB
18		9.403	8345	1388	BB
19		9.808	8221	1170	BB
20		10.049	7716	964	BB
21		10.537	270134	38442	BB
22		10.888	123002	17220	BB
23		11.185	3224	628	BB
24		11.412	4175	728	BB
25		11.754	21392	1446	BB
26		12.100	1880	220	BB
27		12.297	396	95	BB
28		12.448	313	80	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010240

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082**

Project: 10780.01.005

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.640	3585	887	BB
30		12.810	129821	14322	BB
31		13.093	151824	24142	BB
32		13.686	22799	2514	BB
33		14.232	61562	8952	BB
34		14.470	15297	3060	BB
35		14.647	84908	13175	BB
36		15.097	445004	48064	BB
37		15.432	14385	2247	BB
38		15.645	1000	200	BB
39		15.976	108269	16364	BB
40		16.165	13814	2808	BB
41		16.333	6952	1246	BB
42		16.694	84359	12280	BB
43		16.928	74820	11022	BB
44		17.163	32766	6115	BB

	Name	RT	Area	Height	Int Type
45		17.307	15283	3250	BB
46		17.500	24211	3978	BB
47		17.990	34668	2643	BB
48		18.616	113889	16775	BB
49		18.790	30713	5871	BB
50		19.170	97750	11324	BB
51		19.365	27252	5057	BB
52		19.564	10365	1923	BB
53		19.808	11557	2545	BB
54		19.993	58802	8731	BB
55		20.347	105491	18242	BB
56		20.616	132977	22826	BB
57		20.840	17545	3139	BB
58		21.060	5048	1023	BB
59		21.231	349	71	BB
60		21.399	6300	1558	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010241

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082** **Project: 10780.01.005**

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		21.532	11837	2506	BB
62		21.903	9290	1436	BB
63		22.012	11710	3053	BB
64		22.154	572	154	BB
65		22.346	155624	31836	BB
66		22.544	289143	50335	BB
67		22.738	5662	1885	BB
68		22.894	272403	45033	BB
69		23.180	258416	54076	BB
70		23.375	12327	2819	BB
71		23.740	116850	25307	BB
72		23.977	36232	10560	BB
73		24.085	78935	19511	BB
74		24.227	52930	15386	BB
75		24.371	122798	31293	BB
76		24.471	85689	23831	BB

	Name	RT	Area	Height	Int Type
77		24.641	94011	20221	BB
78		25.001	77917	16195	BB
79		25.402	127984	30542	BB
80		25.607	96010	19521	BB
81		25.760	367984	84409	BB
82		25.950	16835	3703	BB
83		26.310	1529	478	BB
84		26.427	15298	2652	BB
85		26.690	75853	17217	BB
86		26.793	3221	1810	BB
87		26.888	145753	34343	BB
88		27.147	6183	1097	BB
89		27.598	16100	2217	BB
90		27.915	10429	1600	BB
91		28.130	15172	3951	BB
92		28.260	76297	14865	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010242

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082**

Project: 10780.01.005

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN

Channel Description DB-608 (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		28.597	1499	196	BB
94		28.815	311	59	BB
95		29.154	6314	746	BB
96		29.507	33711	5007	BB
97		29.713	948	172	BB
98		30.315	302	47	BB
99	DCB	30.809	428155	47414	BB
100		31.358	1048	141	BB
101		31.719	1225	117	BB
102		32.095	7403	548	BB
103		32.557	891	111	BB
104		32.906	1702	158	BB
105		33.324	2155	200	BB
106		33.652	2330	256	BB
107		34.508	6642	420	BB
108		34.875	831	105	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010243

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082** **Project: 10780.01.005**

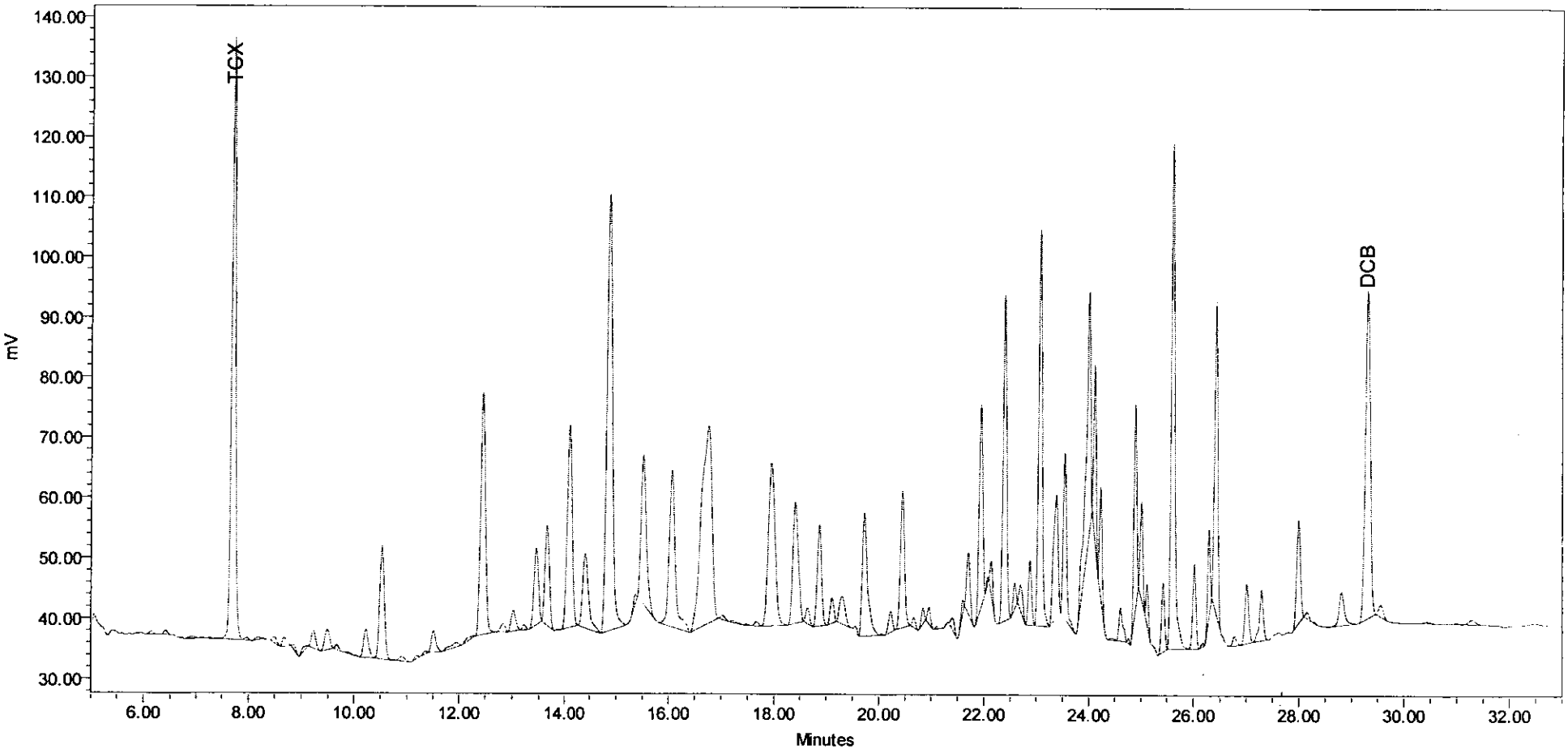
SampleName 248031MSD Inj Vol 1.0 ul Case: F04-025

Client_ID B19J43MSD Channel SATIN-2 SDG: 248028

Channel Description DB-1701P (0.53mm)ID X 30m System Name GC12_SYS

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004



SampleName 248031MSD CYCLES 75 Channel SATIN-2 Date Acquired 08/25/04 12:57:12 AM

Peak areas less than 200 are not shown. Manual integrations are identified by lower case letters in the "Int Type" field.

SOUTHWEST RESEARCH INSTITUTE

010244

PEAK DATA

Cycle : b04G1217T75
Lab Sample ID : 248031MSD

Client: Lionville Laboratory
Case #: F04-025

Project: 10780.01.005
SDG: 248028

COMPOUND	RT	AREA	CONC
TCX	7.70	510308	0.1477
AR1016-1	10.22	29812	1.986
AR1016-A	10.52	111819	1.344
AR1016-2	12.45	252964	1.476
AR1016-B	12.83	8367	2.239
AR1016-3	13.02	20626	2.103
AR1016-C	13.45	74902	1.681
AR1016-4	13.66	98926	1.613
AR1016-D	14.41	97675	1.998
AR1016-5	14.86	531362	1.697
AR1016-E	16.06	209778	2.061
AR1260-1	18.40	149577	1.640
AR1260-A	19.11	20375	1.132
AR1260-B	21.70	45842	2.067
AR1260-2	22.70	20495	1.490
AR1260-C	22.88	46104	2.071
AR1260-D	23.54	121863	1.815
AR1260-3	24.10	96137	1.928
AR1260-4	25.00	57713	2.253
AR1260-5	25.60	403282	1.864
AR1260-E	26.29	47710	1.916
DCB	29.30	358993	0.1737

010245

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082**

Project: 10780.01.005

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
1		6.149	2078	487	BB
2		6.416	3073	718	BB
3		6.716	652	156	BB
4		6.906	2893	318	BB
5		7.110	963	185	BB
6		7.261	1003	252	BB
7		7.383	311	93	BB
8	TCX	7.700	510308	100160	BB
9		7.965	2175	437	BB
10		8.182	2566	411	BB
11		8.297	321	103	BB
12		8.500	5571	998	BB
13		8.678	8512	1482	BB
14		8.873	3788	904	BB

	Name	RT	Area	Height	Int Type
15		9.030	4036	711	BB
16		9.225	17098	2979	BB
17		9.488	22194	3402	BB
18		9.668	4013	883	BB
19		9.897	1716	175	BB
20		10.223	29812	4735	BB
21		10.524	111819	18678	BB
22		10.754	328	109	BB
23		10.904	5403	703	BB
24		11.180	2265	460	BB
25		11.343	2301	489	BB
26		11.508	21189	3521	BB
27		11.953	8864	731	BB
28		12.163	5016	586	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010246

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082**

Project: 10780.01.005

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
29		12.451	252964	40017	BB
30		12.828	8367	1435	BB
31		13.020	20626	3372	BB
32		13.221	4054	856	BB
33		13.447	74902	12715	BB
34		13.658	98926	16489	BB
35		13.875	589	142	BB
36		14.099	229806	33437	BB
37		14.411	97675	12397	BB
38		14.860	531362	72553	BB
39		15.353	6126	1660	BB
40		15.510	169885	24639	BB
41		16.058	209778	25911	BB
42		16.752	448637	32707	BB
43		17.027	4058	705	BB
44		17.215	2180	300	BB

	Name	RT	Area	Height	Int Type
45		17.490	898	190	BB
46		17.659	4017	731	BB
47		17.939	238870	27002	BB
48		18.400	149577	20081	BB
49		18.641	13182	2580	BB
50		18.869	94321	16755	BB
51		19.111	20375	4165	BB
52		19.297	33646	4516	BB
53		19.560	3947	982	BB
54		19.719	140134	20249	BB
55		20.050	847	274	BB
56		20.222	17671	3485	BB
57		20.444	122675	22617	BB
58		20.669	7462	1719	BB
59		20.847	10373	2565	BB
60		20.956	10599	2703	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010247

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082**

Project: 10780.01.005

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
61		21.109	1571	444	BB
62		21.417	9689	2061	BB
63		21.590	7810	2476	BB
64		21.699	45842	9923	BB
65		21.938	155653	33658	BB
66		22.057	2095	1054	BB
67		22.140	20542	5756	BB
68		22.384	258059	54131	BB
69		22.586	16431	4212	BB
70		22.700	20495	4266	BB
71		22.875	46104	10594	BB
72		23.064	315245	65843	BB
73		23.379	125425	20288	BB
74		23.536	121863	27411	BB
75		23.993	236771	40732	BB
76		24.102	96137	28883	BB

	Name	RT	Area	Height	Int Type
77		24.219	64957	18031	BB
78		24.438	2025	349	BB
79		24.600	27967	5519	BB
80		24.757	2172	887	BB
81		24.884	128683	34511	BB
82		25.004	57713	15994	BB
83		25.114	21457	6662	BB
84		25.420	46943	11420	BB
85		25.596	403282	84056	BB
86		26.012	58188	13910	BB
87		26.171	2246	724	BB
88		26.287	47710	14524	BB
89		26.414	219828	51743	BB
90		26.771	7424	1557	BB
91		27.005	50076	9850	BB
92		27.286	44540	8398	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

010248

CLIENT: Lionville Laboratory, Inc. CYCLES 75 **Method 8082** **Project: 10780.01.005**

SampleName 248031MSD Inj Vol 1.0 ul

Client_ID B19J43MSD Channel SATIN-2

Channel Description DB-1701P (0.53mm)ID X 30m

GC Conditions : 150D-1Mn-3D/Mn-200D -8D/Mn-270D

Case: F04-025

SDG: 248028

System Name GC12_SYS

Date Acquired 08/25/04 12:57:12 AM

Project Name GC12_Project_2004

PEAK AREA RESULTS

	Name	RT	Area	Height	Int Type
93		27.988	85510	17087	BB
94		28.157	4847	1020	BB
95		28.804	39227	5541	BB
96	DCB	29.297	358993	54504	BB
97		29.558	12394	1947	BB
98		30.438	2298	261	BB
99		30.992	537	87	BB
100		31.293	6647	766	BB

Peak areas less than 200 are not shown.

Manual integrations are identified by lower case letters in the "Int Type" field.

020001

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Lionville Laboratory, Inc.
Task Order: 040802-7
SRR: 26202
SDG: 248028
CASE: F04-025
VTSR: July 15, 2004
Project #: 10780.01.006

METALS ANALYSIS

SOUTHWEST RESEARCH INSTITUTE
CLIENT: Lionville Laboratory, Inc.
Task Order: 040802-7
SRR: 26202
SDG: 248028
CASE: F04-025
VTSR: July 15, 2004
Project #: 10780.01.006

SAMPLE DATA

LIONVILLE LABORATORY, INC.

020003

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract: 10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

SOW No.: F04-025

LION Sample No.	Lab Sample ID
B19J40	248028
B19J41	248029
B19J42	248030
B19J43	248031
B19J44	248032
B19J45	248033
B19J46	248034
B19J47	248035
B19J48	248036
B19J40S	248028S
B19J40SD	248028SD
B19J42S	248030S
B19J42SD	248030SD
B19J44S	248032S
B19J44SD	248032SD
B19J40D	248028D
B19J42D	248030D
B19J44D	248032D

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES

If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

SEE_CASE_NARRATIVE.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: for Name: MIKE_DAMMANN

Date: 09/08/04 Title: MANAGER

9/9/04

LIONVILLE LABORATORY, INC.

020004

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J40

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248028
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	14.7	B		PM
7440-38-2	Arsenic__	640	B		P_
7440-39-3	Barium___	8590	B		P_
7440-69-9	Bismuth__	872	U		P_
7440-42-8	Boron____	1740	U		P_
7440-43-9	Cadmium__	291	U		P_
7440-47-3	Chromium_	1580	B		P_
7440-50-8	Copper___	6470	B		P_
7439-92-1	Lead____	581	B		P_
7439-97-6	Mercury__	10.0	U		CV
7439-98-7	Molybdenu	291	U		P_
7440-02-0	Nickel___	6100	B		P_
7782-49-2	Selenium_	291	U		P_
7440-22-4	Silver___	291	U		P_
7440-28-0	Thallium_	5.8	U		PM
7440-31-5	Tin_____	1550	B	N	P_
7440-61-1	Uranium__	5810	U		P_
7440-62-2	Vanadium_	1020	B		P_
7440-66-6	Zinc_____	131000	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

LIONVILLE LABORATORY, INC.

020005

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J41

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248029
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	17.5	B		PM
7440-38-2	Arsenic__	568	U		P_
7440-39-3	Barium___	6620	B		P_
7440-69-9	Bismuth__	852	U		P_
7440-42-8	Boron____	1540	U		P_
7440-43-9	Cadmium__	284	U		P_
7440-47-3	Chromium_	695	B		P_
7440-50-8	Copper___	3910	B		P_
7439-92-1	Lead____	292	B		P_
7439-97-6	Mercury__	9.5	U		CV
7439-98-7	Molybdenu	295	B		P_
7440-02-0	Nickel___	631	B		P_
7782-49-2	Selenium_	284	U		P_
7440-22-4	Silver___	284	U		P_
7440-28-0	Thallium_	5.7	U		PM
7440-31-5	Tin_____	1500	B	N	P_
7440-61-1	Uranium__	5680	U		P_
7440-62-2	Vanadium_	424	B		P_
7440-66-6	Zinc____	65800	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

LIONVILLE LABORATORY, INC.

020006

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J42

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248030
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	17.6	B		PM
7440-38-2	Arsenic__	595	U		P_
7440-39-3	Barium___	6480	B		P_
7440-69-9	Bismuth__	893	U		P_
7440-42-8	Boron____	1740	U		P_
7440-43-9	Cadmium__	298	U		P_
7440-47-3	Chromium_	3810	B		P_
7440-50-8	Copper___	5010	B		P_
7439-92-1	Lead____	475	B		P_
7439-97-6	Mercury__	9.5	U		CV
7439-98-7	Molybdenu	299	B		P_
7440-02-0	Nickel___	15200	B		P_
7782-49-2	Selenium_	298	U		P_
7440-22-4	Silver___	298	U		P_
7440-28-0	Thallium_	6.0	U		PM
7440-31-5	Tin_____	1550	B	N	P_
7440-61-1	Uranium__	5950	U		P_
7440-62-2	Vanadium_	1050	B		P_
7440-66-6	Zinc____	147000	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

LIONVILLE LABORATORY, INC.

020007

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J43

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248031
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	41.2	B		PM
7440-38-2	Arsenic__	4070			P_
7440-39-3	Barium___	9470	B		P_
7440-69-9	Bismuth__	815	U		P_
7440-42-8	Boron____	1670	U		P_
7440-43-9	Cadmium__	272	U		P_
7440-47-3	Chromium_	6790	B		P_
7440-50-8	Copper___	6110	B		P_
7439-92-1	Lead____	1070	B		P_
7439-97-6	Mercury__	66.2	B		CV
7439-98-7	Molybdenu	510	B		P_
7440-02-0	Nickel___	4030	B		P_
7782-49-2	Selenium_	308	B		P_
7440-22-4	Silver___	272	U		P_
7440-28-0	Thallium_	10.9	B		PM
7440-31-5	Tin_____	1760	B	N	P_
7440-61-1	Uranium__	5430	U		P_
7440-62-2	Vanadium_	5440	B		P_
7440-66-6	Zinc_____	164000	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN

LIONVILLE LABORATORY, INC.

020008

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J44

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI Task Ord:040802-7 SRR No.: 26202 SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248032
Level (low/med): LOW Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	17.4	B		PM
7440-38-2	Arsenic	521	U		P
7440-39-3	Barium	2690	B		P
7440-69-9	Bismuth	781	U		P
7440-42-8	Boron	1430	U		P
7440-43-9	Cadmium	260	U		P
7440-47-3	Chromium	911	B		P
7440-50-8	Copper	4550	B		P
7439-92-1	Lead	481	B		P
7439-97-6	Mercury	42.7	B		CV
7439-98-7	Molybdenu	309	B		P
7440-02-0	Nickel	477	B		P
7782-49-2	Selenium	312	B		P
7440-22-4	Silver	260	U		P
7440-28-0	Thallium	5.2	U		PM
7440-31-5	Tin	1920	B	N	P
7440-61-1	Uranium	5210	U		P
7440-62-2	Vanadium	531	B		P
7440-66-6	Zinc	144000	B		P

Color Before: Clarity Before: Texture:
Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

LIONVILLE LABORATORY, INC.

020009

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J45

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248033
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	14.6	B		PM
7440-38-2	Arsenic__	532	U		P_
7440-39-3	Barium___	2400	B		P_
7440-69-9	Bismuth__	798	U		P_
7440-42-8	Boron____	1820	U		P_
7440-43-9	Cadmium__	266	U		P_
7440-47-3	Chromium_	1810	B		P_
7440-50-8	Copper___	8560	B		P_
7439-92-1	Lead____	2370	B		P_
7439-97-6	Mercury__	17.1	B		CV
7439-98-7	Molybdenu	330	B		P_
7440-02-0	Nickel___	872	B		P_
7782-49-2	Selenium_	266	U		P_
7440-22-4	Silver___	266	U		P_
7440-28-0	Thallium_	5.3	U		PM
7440-31-5	Tin_____	2390	B	N	P_
7440-61-1	Uranium__	5320	U		P_
7440-62-2	Vanadium_	614	B		P_
7440-66-6	Zinc_____	175000	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

LIONVILLE LABORATORY, INC.

020010

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J46

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248034
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	14.0	U		PM
7440-38-2	Arsenic__	521	U		P_
7440-39-3	Barium___	8830	B		P_
7440-69-9	Bismuth__	781	U		P_
7440-42-8	Boron____	1670	U		P_
7440-43-9	Cadmium__	260	U		P_
7440-47-3	Chromium_	885	B		P_
7440-50-8	Copper___	4260	B		P_
7439-92-1	Lead____	260	U		P_
7439-97-6	Mercury__	10.0	U		CV
7439-98-7	Molybdenu	260	U		P_
7440-02-0	Nickel___	469	B		P_
7782-49-2	Selenium_	260	U		P_
7440-22-4	Silver___	260	U		P_
7440-28-0	Thallium_	5.2	U		PM
7440-31-5	Tin_____	1450	B	N	P_
7440-61-1	Uranium__	5210	U		P_
7440-62-2	Vanadium_	770	B		P_
7440-66-6	Zinc_____	27600	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

LIONVILLE LABORATORY, INC.

020011

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J47

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248035
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__	8330	U		P_
7440-39-3	Barium___	16900	B		P_
7440-69-9	Bismuth__	12500	U		P_
7440-42-8	Boron____				NR
7440-43-9	Cadmium__	4170	U		P_
7440-47-3	Chromium_	4170	U		P_
7440-50-8	Copper___	5900	B		P_
7439-92-1	Lead____	4170	U		P_
7439-97-6	Mercury__				NR
7439-98-7	Molybdenu	4170	U		P_
7440-02-0	Nickel___	4170	U		P_
7782-49-2	Selenium_	4170	U		P_
7440-22-4	Silver___	4170	U		P_
7440-28-0	Thallium_	83.3	U		PM
7440-31-5	Tin_____				NR
7440-61-1	Uranium__	83300	U		P_
7440-62-2	Vanadium_	4870	B		P_
7440-66-6	Zinc____	151000	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
Since_less_than_35mg_was_received,_only_one_nitric/perchloric_acid____
digestion_was_performed._Antimony,_boron,_mercury_and_tin_are_not_____
reported_for_this_sample_because_sufficient_sample_was_not_available__
to_perform_the_additional_digestions_for_these_four_analytes._____

LIONVILLE LABORATORY, INC.

020012

1

LION SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

B19J48

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix (soil/water): BIOTA Lab Sample ID: 248036
Level (low/med): LOW__ Date Received: 07/15/04
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	13.0	U		PM
7440-38-2	Arsenic__	510	U		P_
7440-39-3	Barium___	6700	B		P_
7440-69-9	Bismuth__	765	U		P_
7440-42-8	Boron____	1900	U		P_
7440-43-9	Cadmium__	255	U		P_
7440-47-3	Chromium_	1620	B		P_
7440-50-8	Copper___	10900	B		P_
7439-92-1	Lead____	483	B		P_
7439-97-6	Mercury__	31.0	B		CV
7439-98-7	Molybdenu	255	U		P_
7440-02-0	Nickel___	917	B		P_
7782-49-2	Selenium_	255	U		P_
7440-22-4	Silver___	255	U		P_
7440-28-0	Thallium_	5.1	U		PM
7440-31-5	Tin_____	3110	B	N	P_
7440-61-1	Uranium__	5100	U		P_
7440-62-2	Vanadium_	1440	B		P_
7440-66-6	Zinc____	72000	B		P_

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

LIONVILLE LABORATORY, INC.

020013

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Initial Calibration Source: INORGVEN/SPE

Continuing Calibration Source: INORGVEN/SPE

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Antimony	20.0	20.17	100.8	20.0	20.01	100.0	20.04	100.2	PM
Arsenic	5000.0	5000.51	100.0	5000.0	5000.08	100.0	5022.89	100.5	P
Barium	10000.0	10002.98	100.0	10000.0	9997.42	100.0	9997.00	100.0	P
Bismuth	5000.0	5097.71	102.0	5000.0	5086.47	101.7	5113.26	102.3	P
Boron	5000.0	4857.43	97.1	5000.0	4864.71	97.3	4878.75	97.6	P
Cadmium	1000.0	1007.22	100.7	1000.0	1007.10	100.7	1008.13	100.8	P
Chromium	2000.0	1976.36	98.8	2000.0	1978.40	98.9	1970.98	98.5	P
Copper	2000.0	2026.51	101.3	2000.0	2028.28	101.4	2039.25	102.0	P
Lead	5000.0	5093.41	101.9	5000.0	5097.27	101.9	5056.47	101.1	P
Mercury	3.0	3.02	100.7	3.0	3.06	102.0	3.05	101.7	CV
Molybdenu	5000.0	4989.94	99.8	5000.0	4985.79	99.7	4989.08	99.8	P
Nickel	5000.0	4962.07	99.2	5000.0	4960.25	99.2	4970.91	99.4	P
Selenium	5000.0	5185.61	103.7	5000.0	5162.10	103.2	5213.07	104.3	P
Silver	1000.0	981.74	98.2	1000.0	980.31	98.0	978.51	97.9	P
Thallium	20.0	19.09	95.4	20.0	19.56	97.8	19.24	96.2	PM
Tin	5000.0	4983.39	99.7	5000.0	4983.13	99.7	4988.67	99.8	P
Uranium	1000.0	977.10	97.7	1000.0	970.23	97.0	976.19	97.6	P
Vanadium	5000.0	4952.81	99.1	5000.0	4957.26	99.1	4950.85	99.0	P
Zinc	1000.0	1000.27	100.0	1000.0	999.64	100.0	992.10	99.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

LIONVILLE LABORATORY, INC.

020014

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Initial Calibration Source: INORGVEN/SPE

Continuing Calibration Source: INORGVEN/SPE

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Antimony				20.0	20.48	102.4	20.75	103.8	PM
Arsenic				5000.0	5003.68	100.1			P
Barium				10000.0	10034.27	100.3			P
Bismuth				5000.0	5112.90	102.3			P
Boron				5000.0	4876.90	97.5	4866.69	97.3	P
Cadmium				1000.0	1007.13	100.7			P
Chromium				2000.0	1970.77	98.5			P
Copper				2000.0	2039.88	102.0			P
Lead				5000.0	5041.59	100.8			P
Mercury				3.0	3.02	100.7	3.02	100.7	CV
Molybdenu				5000.0	4979.06	99.6			P
Nickel				5000.0	4968.29	99.4			P
Selenium				5000.0	5210.68	104.2			P
Silver				1000.0	979.11	97.9			P
Thallium				20.0	19.74	98.7	19.20	96.0	PM
Tin				5000.0	4981.20	99.6	4974.91	99.5	P
Uranium				1000.0	973.05	97.3			P
Vanadium				5000.0	4957.27	99.1			P
Zinc				1000.0	990.91	99.1			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

FORM II (PART 1) - IN

LIONVILLE LABORATORY, INC.

020015

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Initial Calibration Source: INORGVEN/SPE

Continuing Calibration Source: INORGVEN/SPE

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Bismuth									NR
Boron				5000.0	4882.84	97.7			P
Cadmium									NR
Chromium									NR
Copper									NR
Lead									NR
Mercury									NR
Molybdenu									NR
Nickel									NR
Selenium									NR
Silver									NR
Thallium									NR
Tin				5000.0	4966.72	99.3			P
Uranium									NR
Vanadium									NR
Zinc									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

LIONVILLE LABORATORY, INC.

020016

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

AA CRDL Standard Source: SPEX_____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				1.0	0.99	99.0	1.04	104.0
Arsenic				20.0	25.47	127.4	25.51	127.6
Barium				20.0	20.66	103.3	20.66	103.3
Bismuth				100.0	92.51	92.5	97.64	97.6
Boron				100.0	108.37	108.4	103.73	103.7
Cadmium				10.0	10.20	102.0	10.36	103.6
Chromium				20.0	19.71	98.6	18.78	93.9
Copper				50.0	49.45	98.9	49.61	99.2
Lead				6.0	7.69	128.2	4.49	74.8
Mercury	0.2	0.18	90.0					
Molybdenu				20.0	20.79	104.0	21.11	105.6
Nickel				80.0	79.50	99.4	80.88	101.1
Selenium				10.0	9.22	92.2	9.39	93.9
Silver				20.0	19.82	99.1	19.70	98.5
Thallium				1.0	0.97	97.0	1.08	108.0
Tin				100.0	102.07	102.1	101.25	101.2
Uranium				200.0	205.96	103.0	190.35	95.2
Vanadium				100.0	99.37	99.4	99.35	99.4
Zinc				40.0	43.50	108.8	41.78	104.4

LIONVILLE LABORATORY, INC.

2B
CRDL STANDARD FOR AA AND ICP

020017

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

AA CRDL Standard Source: SPEX_____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Antimony								
Arsenic								
Barium								
Bismuth								
Boron				100.0			102.68	102.7
Cadmium								
Chromium								
Copper								
Lead								
Mercury								
Molybdenu								
Nickel								
Selenium								
Silver								
Thallium								
Tin				100.0			101.26	101.3
Uranium								
Vanadium								
Zinc								

LIONVILLE LABORATORY, INC.

3
BLANKS

020018

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Preparation Blank Matrix (soil/water): BIOTA

Preparation Blank Concentration Units (ug/L or mg/kg): UG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony	0.3	U	0.3	U	0.3	U	0.3	U	15.000	U	PM
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	625.000	U	P
Barium	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Bismuth	15.0	U	15.0	U	15.0	U	15.0	U	938.000	U	P
Boron	20.0	U	20.0	U	20.0	U	20.0	U	2000.000	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Chromium	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Copper	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Lead	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	10.000	U	CV
Molybdenu	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Nickel	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Silver	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Thallium	0.1	U	0.1	U	0.1	U	0.1	U	6.000	U	PM
Tin	10.0	U	10.0	U	10.0	U	10.0	U	1000.000	U	P
Uranium	100.0	U	100.0	U	100.0	U	100.0	U	6250.000	U	P
Vanadium	5.0	U	5.0	U	5.0	U	5.0	U	312.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	625.000	U	P

LIONVILLE LABORATORY, INC.

020019

3
BLANKS

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Antimony			0.3	U							PM
Arsenic											NR
Barium											NR
Bismuth											NR
Boron			20.0	U	20.0	U					P
Cadmium											NR
Chromium											NR
Copper											NR
Lead											NR
Mercury			0.2	U							CV
Molybdenu											NR
Nickel											NR
Selenium											NR
Silver											NR
Thallium			0.1	U							PM
Tin			10.0	U	10.0	U					P
Uranium											NR
Vanadium											NR
Zinc											NR

FORM III - IN

LIONVILLE LABORATORY, INC.

4

ICP INTERFERENCE CHECK SAMPLE

020020

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ ICS Source: INORGVEN____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Antimony_								
Arsenic__	0	1000	0	1032.2	103.2	-4	1032.2	103.2
Barium___	0	500	1	528.9	105.8	1	530.1	106.0
Bismuth__	0	1000	3	1048.1	104.8	-3	1070.8	107.1
Boron____	0	1000	-11	1034.9	103.5	-16	1031.1	103.1
Cadmium__	4	1000	4	954.4	95.4	4	951.9	95.2
Chromium_	0	500	-1	488.6	97.7	-2	489.5	97.9
Copper___	0	500	3	562.0	112.4	2	562.8	112.6
Lead____	0	1000	-6	1031.8	103.2	-5	1023.0	102.3
Mercury__								
Molybdenu	0	1000	-1	1014.5	101.4	-2	1009.9	101.0
Nickel___	0	1000	2	967.7	96.8	1	971.6	97.2
Selenium_	0	1000	-4	991.3	99.1	-3	1000.1	100.0
Silver___	0	1000	0	1092.7	109.3	-1	1092.5	109.2
Thallium_								
Tin_____	0	1000	-1	1018.8	101.9	-7	1019.4	101.9
Uranium__	0	1000	11	1013.4	101.3	-21	1005.6	100.6
Vanadium_	0	500	-1	504.6	100.9	-1	504.5	100.9
Zinc____	0	1000	30	978.0	97.8	19	976.9	97.7

LIONVILLE LABORATORY, INC.

4

ICP INTERFERENCE CHECK SAMPLE

020021

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ ICS Source: INORGVEN____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Antimony								
Arsenic								
Barium								
Bismuth								
Boron	0	1000				-16	1032.0	103.2
Cadmium								
Chromium								
Copper								
Lead								
Mercury								
Molybdenu								
Nickel								
Selenium								
Silver								
Thallium								
Tin	0	1000				-2	1011.8	101.2
Uranium								
Vanadium								
Zinc								

FORM IV - IN

LIONVILLE LABORATORY, INC.

020022

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No: 26202_ SDG No.: 248028

ICP ID Number: PE ELAN5000A ICS Source: INORGVEN____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Antimony	3	23	1	21.7	94.3			
Arsenic								
Barium								
Bismuth								
Boron								
Cadmium								
Chromium								
Copper								
Lead								
Mercury								
Molybdenu								
Nickel								
Selenium								
Silver								
Thallium	0	20	0	17.2	86.0			
Tin								
Uranium								
Vanadium								
Zinc								

FORM IV - IN

LIONVILLE LABORATORY, INC.

020023

5A
SPIKE SAMPLE RECOVERY

LION SAMPLE NO.

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X B19J40S

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix: __BIOTA_____ Level (low/med): _LOW____
% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony_									NR
Arsenic__									NR
Barium___									NR
Bismuth__									NR
Boron____									NR
Cadmium__									NR
Chromium_									NR
Copper___									NR
Lead____									NR
Mercury__	75-125_	45.7500_	B	10.0000	U	41.67	109.8		CV
Molybdenu									NR
Nickel___									NR
Selenium_									NR
Silver___									NR
Thallium_									NR
Tin_____									NR
Uranium__									NR
Vanadium_									NR
Zinc____									NR

Comments:

LIONVILLE LABORATORY, INC. **020024**

5A
SPIKE SAMPLE RECOVERY

LION SAMPLE NO.

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X B19J40SD

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix: __BIOTA_____ Level (low/med): _LOW____
% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony									NR
Arsenic									NR
Barium									NR
Bismuth									NR
Boron									NR
Cadmium									NR
Chromium									NR
Copper									NR
Lead									NR
Mercury	75-125	52.8636	B	10.0000	U	45.45	116.3		CV
Molybdenu									NR
Nickel									NR
Selenium									NR
Silver									NR
Thallium									NR
Tin									NR
Uranium									NR
Vanadium									NR
Zinc									NR

Comments:

LIONVILLE LABORATORY, INC. 020025

5A
SPIKE SAMPLE RECOVERY

LION SAMPLE NO. B19J42S

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI Task Ord:040802-7 SRR No.: 26202 SDG No.: 248028
Matrix: BIOTA Level (low/med): LOW
% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony									NR
Arsenic	75-125	123913.4146		595.2381	U	121951.22	101.6		P
Barium	75-125	127160.3658	B	6484.5238	B	121951.22	99.0		P
Bismuth	75-125	63603.6585		892.8571	U	60975.61	104.3		P
Boron	75-125	82849.0909		1739.1304	U	90909.09	91.1		P
Cadmium	75-125	3048.1707	B	297.6190	U	3048.78	100.0		P
Chromium	75-125	15084.1463	B	3807.7381	B	12195.12	92.5		P
Copper	75-125	20860.9756	B	5014.2857	B	15243.90	104.0		P
Lead	75-125	32333.5366	B	475.0000	B	30487.80	104.5		P
Mercury									NR
Molybdenu	75-125	63294.5122	B	299.4048	B	60975.61	103.3		P
Nickel	75-125	42162.8049	B	15232.7381	B	30487.80	88.3		P
Selenium	75-125	117126.2195		297.6190	U	121951.22	96.0		P
Silver	75-125	3083.5366	B	297.6190	U	3048.78	101.1		P
Thallium	75-125	116835.3658		5.9524	U	121951.22	95.8		PM
Tin	75-125	45370.9091	B	1548.6957	B	90909.09	48.2	N	P
Uranium	75-125	59797.5610	B	5952.3810	U	60975.61	98.1		P
Vanadium	75-125	30990.2439		1054.1667	B	30487.80	98.2		P
Zinc		174715.2439	B	147389.2857	B	30487.80	89.6		P

Comments:

LIONVILLE LABORATORY, INC.

020026

5A
SPIKE SAMPLE RECOVERY

LION SAMPLE NO.

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X B19J42SD

Lab Code: SWRI Task Ord:040802-7 SRR No.: 26202 SDG No.: 248028
Matrix: BIOTA Level (low/med): LOW
% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony									NR
Arsenic	75-125	114841.4773		595.2381	U	113636.36	101.1		P
Barium	75-125	119302.8409	B	6484.5238	B	113636.36	99.3		P
Bismuth	75-125	58945.4545		892.8571	U	56818.18	103.7		P
Boron	75-125	65763.0769		1739.1304	U	76923.08	85.5		P
Cadmium	75-125	2775.5682	B	297.6190	U	2840.91	97.7		P
Chromium	75-125	13347.7273	B	3807.7381	B	11363.64	84.0		P
Copper	75-125	19446.5909	B	5014.2857	B	14204.55	101.6		P
Lead	75-125	29143.1818	B	475.0000	B	28409.09	100.9		P
Mercury									NR
Molybdenu	75-125	55409.6591	B	299.4048	B	56818.18	97.0		P
Nickel	75-125	38750.0000	B	15232.7381	B	28409.09	82.8		P
Selenium	75-125	109488.0682		297.6190	U	113636.36	96.3		P
Silver	75-125	2801.7045	B	297.6190	U	2840.91	98.6		P
Thallium	75-125	105846.5909		5.9524	U	113636.36	93.1		PM
Tin	75-125	39503.0769	B	1548.6957	B	76923.08	49.3	N	P
Uranium	75-125	54448.2955	B	5952.3810	U	56818.18	95.8		P
Vanadium	75-125	28115.3409		1054.1667	B	28409.09	95.3		P
Zinc		169767.6136	B	147389.2857	B	28409.09	78.8		P

Comments:

LIONVILLE LABORATORY, INC.

5A
SPIKE SAMPLE RECOVERY

020027
LION SAMPLE NO.

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X B19J44S

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix: __BIOTA_____ Level (low/med): _LOW____
% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony_	75-125_	4423.4783_	B	17.3636	B	4347.83	101.3		PM
Arsenic__									NR
Barium___									NR
Bismuth__									NR
Boron____									NR
Cadmium__									NR
Chromium_									NR
Copper___									NR
Lead____									NR
Mercury__									NR
Molybdenu									NR
Nickel___									NR
Selenium_									NR
Silver___									NR
Thallium_									NR
Tin_____									NR
Uranium__									NR
Vanadium_									NR
Zinc____									NR

Comments:

LIONVILLE LABORATORY, INC.

020028

5A
SPIKE SAMPLE RECOVERY

LION SAMPLE NO.

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X B19J44SD

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
Matrix: __BIOTA_____ Level (low/med): _LOW____
% Solids for Sample: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony_	75-125_	4798.1395_	B	17.3636	B	4651.16	102.8		PM
Arsenic__									NR
Barium___									NR
Bismuth__									NR
Boron____									NR
Cadmium__									NR
Chromium_									NR
Copper___									NR
Lead_____									NR
Mercury__									NR
Molybdenu									NR
Nickel___									NR
Selenium_									NR
Silver___									NR
Thallium_									NR
Tin_____									NR
Uranium__									NR
Vanadium_									NR
Zinc_____									NR

Comments:

LIONVILLE LABORATORY, INC.

020029

LION SAMPLE NO.

6
DUPLICATES

B19J40D

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Matrix (soil/water): BIOTA Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony								NR
Arsenic								NR
Barium								NR
Bismuth								NR
Boron								NR
Cadmium								NR
Chromium								NR
Copper								NR
Lead								NR
Mercury		10.0000	U	9.5238	U			CV
Molybdenu								NR
Nickel								NR
Selenium								NR
Silver								NR
Thallium								NR
Tin								NR
Uranium								NR
Vanadium								NR
Zinc								NR

FORM VI - IN

020030

LIONVILLE LABORATORY, INC.

6
DUPLICATES

LION SAMPLE NO.

B19J42D

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Matrix (soil/water): BIOTA Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony								NR
Arsenic		595.2381	U	531.9149	U			P
Barium		6484.5238	B	8258.5106	B	24.1		P
Bismuth		892.8571	U	797.8723	U			P
Boron		1739.1304	U	1666.6667	U			P
Cadmium		297.6190	U	265.9574	U			P
Chromium		3807.7381	B	3402.1277	B	11.3		P
Copper		5014.2857	B	27844.6809	B	139.0		P
Lead		475.0000	B	1276.0638	B	91.5		P
Mercury								NR
Molybdenu		299.4048	B	294.6809	B	1.6		P
Nickel		15232.7381	B	21200.0000	B	32.8		P
Selenium		297.6190	U	265.9574	U			P
Silver		297.6190	U	265.9574	U			P
Thallium		5.9524	U	5.3191	U			PM
Tin		1548.6957	B	1424.1667	B	8.4		P
Uranium		5952.3810	U	5319.1489	U			P
Vanadium		1054.1667	B	888.2979	B	17.1		P
Zinc		147389.2857	B	178219.6808	B	18.9		P

020031

LIONVILLE LABORATORY, INC.

6
DUPLICATES

LION SAMPLE NO.

B19J44D

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Matrix (soil/water): BIOTA Level (low/med): _LOW__

% Solids for Sample: 100.0 % Solids for Duplicate: _100.0

Concentration Units (ug/L or mg/kg dry weight): UG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony		17.3636	B	13.9277	B	22.0		PM
Arsenic								NR
Barium								NR
Bismuth								NR
Boron								NR
Cadmium								NR
Chromium								NR
Copper								NR
Lead								NR
Mercury								NR
Molybdenu								NR
Nickel								NR
Selenium								NR
Silver								NR
Thallium								NR
Tin								NR
Uranium								NR
Vanadium								NR
Zinc								NR

FORM VI - IN

LIONVILLE LABORATORY, INC. **020032**

7

LABORATORY CONTROL SAMPLE

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Solid LCS Source: SRM 1566B___

Aqueous LCS Source: SPEX_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (ug/kg) True	Found	C	Limits		%R
Antimony	100.0	94.01	94.0						
Arsenic				7650.0	7645.7		5600.0	9960.0	99.9
Barium	4000.0	3976.24	99.4						
Bismuth	1000.0	979.12	97.9						
Boron	1000.0	833.99	83.4						
Cadmium				2480.0	2426.4	B	2400.0	3072.0	97.8
Chromium	400.0	348.97	87.2						
Copper				71600.0	68633.2	B	56000.0	87840.0	95.9
Lead				308.0	307.7	B	239.2	380.4	99.9
Mercury				37.1	35.4	B	28.6	46.1	95.4
Molybdenu	1000.0	937.83	93.8						
Nickel				1040.0	1001.9	B	760.0	1356.0	96.3
Selenium				2060.0	1912.5	B	1528.0	2652.0	92.8
Silver				666.0	601.4	B	525.6	810.0	90.3
Thallium	4000.0	3564.80	89.1						
Tin	1000.0	823.26	82.3						
Uranium	1000.0	965.94	96.6						
Vanadium				577.0	532.2	B	554.0	720.0	92.2
Zinc				1424000	1334134.6		1102400	1740000	93.7

LIONVILLE LABORATORY, INC.

020033

8

STANDARD ADDITION RESULTS

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.:26202_ SDG No.:248028

Concentration Units: ug/L

LION Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q

FORM VIII - IN

LIONVILLE LABORATORY, INC.

020034

9

LION SAMPLE NO.

ICP SERIAL DILUTION

B19J42L

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Matrix (soil/water): BIOTA Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony							NR
Arsenic	10.00	U	50.00	U			P
Barium	108.94	B	106.15	B	2.6		P
Bismuth	15.00	U	75.00	U			P
Boron	20.00	U	100.00	U			P
Cadmium	5.00	U	25.00	U			P
Chromium	63.97	B	62.45	B	2.4		P
Copper	84.24	B	83.90	B	0.4		P
Lead	7.98	B	25.00	U	100.0		P
Mercury							NR
Molybdenu	5.03	B	25.00	U	100.0		P
Nickel	255.91	B	241.85	B	5.5		P
Selenium	5.00	U	25.00	U			P
Silver	5.00	U	25.00	U			P
Thallium	0.10	U	0.50	U			PM
Tin	17.81	B	50.00	U	100.0		P
Uranium	100.00	U	500.00	U			P
Vanadium	17.71	B	25.00	U	100.0		P
Zinc	2476.14	B	2499.95	B	1.0		P

LIONVILLE LABORATORY, INC.

020035

9

LION SAMPLE NO.

ICP SERIAL DILUTION

B19J44L

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

Matrix (soil/water): BIOTA Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	0.38	B	1.50	U	100.0		PM
Arsenic							NR
Barium							NR
Bismuth							NR
Boron							NR
Cadmium							NR
Chromium							NR
Copper							NR
Lead							NR
Mercury							NR
Molybdenu							NR
Nickel							NR
Selenium							NR
Silver							NR
Thallium							NR
Tin							NR
Uranium							NR
Vanadium							NR
Zinc							NR

FORM IX - IN

LIONVILLE LABORATORY, INC.

020036

10

Instrument Detection Limits

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
ICP ID Number: TJA_TRACE_2_ Date: 03/08/04
Flame AA ID Number :
Furnace AA ID Number :

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			25		NR
Arsenic	189.04		43	10.0	P
Barium	493.40		10688	5.0	P
Bismuth	223.00		15	15.0	P
Boron	249.68		265	20.0	P
Cadmium	226.50		2896	5.0	P
Chromium	267.71		726	5.0	P
Copper	324.75		8960	5.0	P
Lead	220.35		1632	5.0	P
Mercury			164.0		NR
Molybdenu	421.55		1046	5.0	P
Nickel	231.60		15552	5.0	P
Selenium	196.02		145	5.0	P
Silver	328.06		790	5.0	P
Thallium			2.4		NR
Tin	189.99		618	10.0	P
Uranium	409.01		2064	100.0	P
Vanadium	292.40		160	5.0	P
Zinc	206.20		19040	10.0	P

Comments:

FORM X - IN

LIONVILLE LABORATORY, INC.

020037

10

Instrument Detection Limits

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
ICP ID Number: _____ Date: 04/16/04
Flame AA ID Number : FIMS_400____
Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony_			25		NR
Arsenic__			43		NR
Barium___			10688		NR
Bismuth__			15		NR
Boron____			265		NR
Cadmium__			2896		NR
Chromium_			726		NR
Copper___			8960		NR
Lead____			1632		NR
Mercury__	253.70		164.0	0.2	CV
Molybdenu			1046		NR
Nickel___			15552		NR
Selenium_			145		NR
Silver___			790		NR
Thallium_			2.4		NR
Tin_____			618		NR
Uranium__			2064		NR
Vanadium_			160		NR
Zinc____			19040		NR

Comments:

FORM X - IN

LIONVILLE LABORATORY, INC.

020038

10

Instrument Detection Limits

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X
Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028
ICP ID Number: PE_ELAN5000A Date: 04/01/04
Flame AA ID Number : _____
Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony	121.00		25	0.3	PM
Arsenic			43		NR
Barium			10688		NR
Bismuth			15		NR
Boron			265		NR
Cadmium			2896		NR
Chromium			726		NR
Copper			8960		NR
Lead			1632		NR
Mercury			164.0		NR
Molybdenu			1046		NR
Nickel			15552		NR
Selenium			145		NR
Silver			790		NR
Thallium	205.00		2.4	0.1	PM
Tin			618		NR
Uranium			2064		NR
Vanadium			160		NR
Zinc			19040		NR

Comments:

LIONVILLE LABORATORY, INC. 020039

11A
ICP Interelement Correction Factors (Annually)

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/12/04

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	AG_
Antimony_						
Arsenic__	189.04	0.0000000	0.0000000	-0.0000240	0.0000000	0.0000000
Barium___	493.40	0.0000000	0.0000000	0.0000030	0.0000000	0.0000000
Bismuth__	223.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000000	0.0000000	0.0001010	0.0000000	0.0000000
Chromium_	267.71	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper___	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead_____	220.35	0.0003090	0.0000000	0.0000740	0.0000000	0.0000000
Mercury__						
Molybdenu	421.55	0.0000000	0.0000000	-0.0000030	0.0000000	0.0000000
Nickel___	231.60	0.0000030	0.0000000	0.0000000	0.0000050	0.0000000
Selenium_	196.02	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver___	328.06	0.0000000	0.0000000	-0.0000080	0.0000000	0.0000000
Thallium_						
Tin_____	189.99	0.0000000	0.0000000	0.0000110	0.0000000	0.0000000
Uranium__	409.01	0.0000000	0.0000000	0.0001370	0.0000000	0.0000000
Vanadium_	292.40	0.0000000	0.0000000	0.0000320	-0.0000070	0.0000000
Zinc_____	206.20	0.0000000	0.0000000	0.0000050	0.0000000	0.0000550

Comments:

FORM XI (Part 1) - IN

LIONVILLE LABORATORY, INC.

020040

11B

ICP Interelement Correction Factors (Annually)

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/12/04

Analyte	Wave-length (nm)	Interelement Correction Factors for : B__	BA_	BE_	BI_	CD_
Antimony_						
Arsenic__	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Bismuth__	223.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium_	267.71	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002030
Copper___	324.75	0.0000000	0.0000000	-0.0000210	0.0000000	0.0000000
Lead____	220.35	0.0000000	0.0000000	0.0000000	-0.0009410	0.0000000
Mercury__						
Molybdenu	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel___	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.02	0.0000380	0.0000050	0.0000910	-0.0000650	-0.0000110
Silver___	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_						
Tin_____	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Uranium__	409.01	0.0001910	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium_	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc____	206.20	0.0000070	0.0000220	0.0000070	-0.0000430	0.0000080

Comments:

LIONVILLE LABORATORY, INC.

020041

11B

ICP Interelement Correction Factors (Annually)

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/12/04

Analyte	Wave-length (nm)	Interelement Correction Factors for : CO_	CR_	CU_	LA_	LI_
Antimony_						
Arsenic__	189.04	-0.0000410	0.0001770	0.0000000	0.0275760	0.0000000
Barium___	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Bismuth__	223.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	-0.0002940	0.0000000	0.0000000	0.0000000	0.0000000
Chromium_	267.71	0.0000000	0.0000000	0.0000000	0.0000100	0.0000000
Copper___	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead____	220.35	0.0000670	0.0000000	0.0000000	0.0003410	0.0000000
Mercury__						
Molybdenu	421.55	0.0000000	0.0000400	0.0000000	0.0000000	0.0000000
Nickel___	231.60	-0.0017800	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.02	0.0002550	-0.0000320	0.0000000	-0.0019080	0.0000000
Silver___	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_						
Tin_____	189.99	0.0000000	-0.0000920	0.0000000	0.0000000	0.0000000
Uranium__	409.01	0.0000000	0.0003010	-0.0001300	-0.0001680	0.0000000
Vanadium_	292.40	0.0000000	0.0000320	0.0000000	0.0003180	0.0000000
Zinc____	206.20	0.0000000	-0.0005370	0.0000000	-0.0000110	0.0000170

Comments:

LIONVILLE LABORATORY, INC. 020042

11B
ICP Interelement Correction Factors (Annually)

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/12/04

Analyte	Wave-length (nm)	Interelement Correction Factors for : MN_	MO_	NI_	P__	PD_
Antimony_						
Arsenic__	189.04	0.0000000	0.0006070	0.0000000	0.0000000	0.0199860
Barium___	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Bismuth__	223.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000000	-0.0000070	-0.0000300	0.0000000	0.0000000
Chromium_	267.71	0.0001320	0.0000760	0.0000000	0.0000240	0.0000000
Copper___	324.75	0.0000000	0.0003550	0.0000000	0.0000000	-0.0000180
Lead____	220.35	0.0000680	-0.0002780	0.0002090	0.0000000	0.0005490
Mercury__						
Molybdenu	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel___	231.60	-0.0001000	-0.0000200	0.0000000	0.0000000	0.0000000
Selenium_	196.02	0.0035200	0.0000690	0.0000000	0.0000000	0.0015620
Silver___	328.06	0.0000990	0.0000250	0.0000000	0.0000000	0.0000000
Thallium_						
Tin_____	189.99	-0.0000600	0.0000000	-0.0001330	0.0000000	0.0000000
Uranium__	409.01	-0.0039420	-0.0001070	0.0000000	0.0000000	0.0000000
Vanadium_	292.40	0.0000000	-0.0107100	0.0000090	0.0000000	0.0000000
Zinc____	206.20	0.0000140	0.0002430	0.0000060	0.0000000	0.0000000

Comments:

FORM XI (Part 2) - IN

LIONVILLE LABORATORY, INC.

11B
ICP Interelement Correction Factors (Annually) 020043

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/12/04

Analyte	Wave-length (nm)	Interelement Correction Factors for : S__	SB_	SI_	SN_	SR_
Antimony_						
Arsenic__	189.04	0.0000000	-0.0000150	0.0000000	0.0000000	0.0000000
Barium___	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Bismuth__	223.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium_	267.71	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper___	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead____	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury__						
Molybdenu	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel___	231.60	0.0000000	0.0000000	0.0000200	0.0000000	0.0000000
Selenium_	196.02	0.0000000	0.0001220	0.0000000	0.0000000	0.0000000
Silver___	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_						
Tin_____	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Uranium__	409.01	0.0000000	0.0000000	0.0000000	0.0000000	-0.0012290
Vanadium_	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc____	206.20	0.0000000	0.0000100	0.0000050	0.0000130	0.0000160

Comments:

FORM XI (Part 2) - IN

LIONVILLE LABORATORY, INC.

11B

ICP Interelement Correction Factors (Annually)

020044

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/12/04

Analyte	Wave-length (nm)	Interelement Correction Factors for : TH_	TI_	TL_	U__	V__
Antimony_						
Arsenic__	189.04	0.0000200	0.0000000	0.0000000	-0.0000660	0.0000670
Barium___	493.40	-0.0000050	0.0000000	0.0000000	-0.0000080	0.0000000
Bismuth__	223.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000370	0.0000230	0.0000000	0.0000000	0.0000000
Chromium_	267.71	-0.0003290	0.0000580	0.0000000	0.0010620	-0.0037650
Copper___	324.75	0.0023600	-0.0000580	0.0000000	-0.0005110	-0.0001060
Lead_____	220.35	-0.0031160	0.0001410	0.0000000	0.0006170	0.0000000
Mercury__						
Molybdenu	421.55	-0.0000100	0.0000000	0.0000000	0.0000200	0.0000200
Nickel___	231.60	0.0000300	0.0000000	0.0001500	0.0000700	0.0000000
Selenium_	196.02	-0.0233700	0.0000090	0.0000000	-0.0002280	0.0001540
Silver___	328.06	-0.0089250	-0.0000840	0.0000000	0.0004200	0.0000960
Thallium_						
Tin_____	189.99	0.0003760	0.0006010	0.0000000	0.0002580	0.0000000
Uranium__	409.01	-0.0017500	0.0000000	-0.0001200	0.0000000	-0.0023600
Vanadium_	292.40	0.0017750	0.0004870	0.0000000	-0.0004110	0.0000000
Zinc_____	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000130

Comments:

LIONVILLE LABORATORY, INC.

020045

11B

ICP Interelement Correction Factors (Annually)

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/12/04

Analyte	Wave-length (nm)	Interelement Correction Factors for : W__	Y__	ZN_	ZR_	___
Antimony_						
Arsenic__	189.04	-0.0010890	0.0000000	0.0000000	0.0000430	
Barium___	493.40	0.0000000	0.0000000	0.0000000	0.0000000	
Bismuth__	223.00	0.0000000	0.0000000	0.0000000	0.0000000	
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	
Cadmium__	226.50	0.0000060	0.0000000	0.0000000	0.0000000	
Chromium_	267.71	0.0002610	0.0000000	0.0000000	-0.0000270	
Copper___	324.75	0.0000000	0.0000220	0.0000000	0.0000000	
Lead____	220.35	-0.0015360	-0.0007640	0.0000000	0.0000000	
Mercury__						
Molybdenu	421.55	-0.0000130	0.0000000	-0.0000070	0.0000000	
Nickel___	231.60	-0.0000200	0.0000000	0.0000000	0.0000000	
Selenium_	196.02	0.0053980	0.0000000	0.0000000	-0.0001010	
Silver___	328.06	0.0000000	0.0002210	0.0000000	0.0046160	
Thallium_						
Tin_____	189.99	-0.0000630	0.0000000	0.0000000	0.0008720	
Uranium__	409.01	0.0004360	0.0584050	0.0000000	0.0000000	
Vanadium_	292.40	0.0000800	0.0000000	0.0000000	-0.0000180	
Zinc____	206.20	0.0003330	0.0000000	0.0000000	0.0000480	

Comments:

FORM XI (Part 2) - IN

LIONVILLE LABORATORY, INC.

020046

11A

ICP Interelement Correction Factors (Annually)

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: PE ELAN5000A Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	___
Antimony	121.00	0.0000000	0.0000000	0.0000000	0.0000000	
Arsenic						
Barium						
Bismuth						
Boron						
Cadmium						
Chromium						
Copper						
Lead						
Mercury						
Molybdenu						
Nickel						
Selenium						
Silver						
Thallium	205.00	0.0000000	0.0000000	0.0000000	0.0000000	
Tin						
Uranium						
Vanadium						
Zinc						

Comments:

FORM XI (Part 1) - IN

LIONVILLE LABORATORY, INC.

020047

12
ICP Linear Ranges

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: TJA TRACE 2_ Date: 04/10/04

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Antimony			NR
Arsenic	5.00	50000.0	P
Barium	5.00	25000.0	P
Bismuth	5.00		P
Boron	5.00	50000.0	P
Cadmium	5.00	10000.0	P
Chromium	5.00	50000.0	P
Copper	5.00	50000.0	P
Lead	5.00	50000.0	P
Mercury			NR
Molybdenu	5.00	50000.0	P
Nickel	5.00	25000.0	P
Selenium	5.00	50000.0	P
Silver	5.00	2000.0	P
Thallium			NR
Tin	5.00	50000.0	P
Uranium	5.00	50000.0	P
Vanadium	5.00	100000.0	P
Zinc	5.00	20000.0	P

Comments:

LIONVILLE LABORATORY, INC.

12
ICP Linear Ranges

020048

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.: 248028

ICP ID Number: PE ELAN5000A Date: _____

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Antimony_	1.00	200.0	PM
Arsenic__			NR
Barium___			NR
Bismuth__			NR
Boron____			NR
Cadmium__			NR
Chromium_			NR
Copper___			NR
Lead____			NR
Mercury__			NR
Molybdenu			NR
Nickel___			NR
Selenium_			NR
Silver___			NR
Thallium_	1.00	200.0	PM
Tin_____			NR
Uranium__			NR
Vanadium_			NR
Zinc_____			NR

Comments:

LIONVILLE LABORATORY, INC.

020049

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PREPARATION LOG

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.:248028

Method: P/PM

LION Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B19J40	08/27/04	0.43	25
B19J41	08/27/04	0.44	25
B19J42	08/27/04	0.42	25
B19J42D	08/27/04	0.47	25
B19J42S	08/27/04	0.41	25
B19J42SD	08/27/04	0.44	25
B19J43	08/27/04	0.46	25
B19J44	08/27/04	0.48	25
B19J45	08/27/04	0.47	25
B19J46	08/27/04	0.48	25
B19J47	08/27/04	0.03	25
B19J48	08/27/04	0.49	25
LCST	08/27/04	0.52	25
LCSW	08/27/04		25
PBT	08/27/04	0.40	25

LIONVILLE LABORATORY, INC.

020050

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PREPARATION LOG

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.:248028

Method: P_

LION Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B19J40	08/27/04	0.23	20
B19J41	08/27/04	0.26	20
B19J42	08/27/04	0.23	20
B19J42D	08/27/04	0.24	20
B19J42S	08/27/04	0.22	20
B19J42SD	08/27/04	0.26	20
B19J43	08/27/04	0.24	20
B19J44	08/27/04	0.28	20
B19J45	08/27/04	0.22	20
B19J46	08/27/04	0.24	20
B19J48	08/27/04	0.21	20
LCSW	08/27/04		20
PBT	08/27/04	0.20	20

LIONVILLE LABORATORY, INC.

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020051

PREPARATION LOG

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.:248028

Method: PM

LION Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B19J40	08/27/04	0.45	20
B19J41	08/27/04	0.44	20
B19J42	08/27/04	0.48	20
B19J43	08/27/04	0.45	20
B19J44	08/27/04	0.44	20
B19J44D	08/27/04	0.47	20
B19J44S	08/27/04	0.46	20
B19J44SD	08/27/04	0.43	20
B19J45	08/27/04	0.44	20
B19J46	08/27/04	0.43	20
B19J48	08/27/04	0.46	20
LCSW	08/27/04		20
PBT	08/27/04	0.40	20

LIONVILLE LABORATORY, INC.

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PREPARATION LOG

020052

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord: 040802-7 SRR No.: 26202_ SDG No.:248028

Method: CV

LION Sample No.	Preparation Date	Weight (gram)	Volume (mL)
B19J40	08/25/04	0.20	10
B19J40D	08/25/04	0.21	10
B19J40S	08/25/04	0.24	10
B19J40SD	08/25/04	0.22	10
B19J41	08/25/04	0.21	10
B19J42	08/25/04	0.21	10
B19J43	08/25/04	0.23	10
B19J44	08/25/04	0.24	10
B19J45	08/25/04	0.21	10
B19J46	08/25/04	0.20	10
B19J48	08/25/04	0.20	10
LCST	08/25/04	0.21	10
PBT	08/25/04	0.20	10

LIONVILLE LABORATORY, INC.

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: TJA TRACE 2__ Method: P_

Start Date: 09/01/04 End Date: 09/01/04

LION Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
S0	1.00	1803			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
S4	1.00	1808			X							X					X										
S1	1.00	1812																									
S5	1.00	1816					X	X						X					X								
S2	1.00	1820				X				X	X				X												
S3	1.00	1823							X												X	X					
S6	1.00	1827																		X							
ICV	1.00	1832			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
ICB	1.00	1839			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
CRI	1.00	1844			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
ICSA	1.00	1849			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
ICSAB	1.00	1902			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
CCV	1.00	1910			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
CCB	1.00	1917			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
PBT	1.00	1922			X	X	X		X	X	X	X		X	X		X			X	X	X					
LCSW	1.00	1926				X	X			X				X						X							
LCST	1.00	1931			X				X		X	X			X		X				X	X					
ZZZZZZ	1.00	1936																									
B19J40	1.00	1943			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J41	1.00	1947			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J42	1.00	1952			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J42D	1.00	1957			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J42L	5.00	2002			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J42S	1.00	2006			X	X	X		X	X	X	X		X	X		X			X	X	X					
CCV	1.00	2015			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
CCB	1.00	2021			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
B19J42SD	1.00	2026			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J43	1.00	2031			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J44	1.00	2036			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J45	1.00	2040			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J46	1.00	2045			X	X	X		X	X	X	X		X	X		X			X	X	X					
B19J47	1.00	2050			X	X	X		X	X	X	X		X	X		X			X	X	X					

LIONVILLE LABORATORY, INC.

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: TJA TRACE 2__ Method: P_

Start Date: 09/01/04 End Date: 09/01/04

LION Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
B19J48	1.00	2055			X	X	X		X	X	X	X		X	X		X			X	X	X					
CRI	1.00	2105			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
ICSA	1.00	2110			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
ICSAB	1.00	2114			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
CCV	1.00	2123			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
CCB	1.00	2129			X	X	X	X	X	X	X	X		X	X		X		X	X	X	X					
PBT	1.00	2134						X											X								
LCSW	1.00	2139						X											X								
ZZZZZZ	1.00	2144																									
ZZZZZZ	1.00	2148																									
B19J40	1.00	2155						X											X								
B19J41	1.00	2200						X											X								
B19J42	1.00	2205						X											X								
B19J42D	1.00	2209						X											X								
B19J42L	5.00	2214						X											X								
B19J42S	1.00	2219						X											X								
CCV	1.00	2227						X											X								
CCB	1.00	2234						X											X								
B19J42SD	1.00	2239						X											X								
B19J43	1.00	2243						X											X								
B19J44	1.00	2248						X											X								
B19J45	1.00	2253						X											X								
B19J46	1.00	2258						X											X								
B19J48	1.00	2303						X											X								
CRI	1.00	2314						X											X								
ICSA	1.00	2319						X											X								
ICSAB	1.00	2324						X											X								
CCV	1.00	2333						X											X								
CCB	1.00	2339						X											X								

FORM XIV - IN

LIONVILLE LABORATORY, INC.

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ANALYSIS RUN LOG

020055

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: TJA TRACE 2__ Method: P_

Start Date: 09/03/04 End Date: 09/03/04

LION Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
S0	1.00	1329														X											
S4	1.00	1334														X											
S1	1.00	1338																									
S5	1.00	1342																									
S2	1.00	1345																									
S3	1.00	1349																									
S6	1.00	1352																									
ICV	1.00	1358														X											
ICB	1.00	1405														X											
CRI	1.00	1410														X											
ICSA	1.00	1414														X											
ICSAB	1.00	1419														X											
CCV	1.00	1428														X											
CCB	1.00	1434														X											
PBT	1.00	1439														X											
ZZZZZZ	1.00	1444																									
LCST	1.00	1448														X											
ZZZZZZ	1.00	1453																									
B19J40	1.00	1500														X											
B19J41	1.00	1505														X											
B19J42	1.00	1509														X											
B19J42D	1.00	1514														X											
B19J42L	5.00	1519														X											
B19J42S	1.00	1524														X											
CCV	1.00	1532														X											
CCB	1.00	1539														X											
B19J42SD	1.00	1543														X											
B19J43	1.00	1548														X											
B19J44	1.00	1553														X											
B19J45	1.00	1558														X											
B19J46	1.00	1602														X											
B19J47	1.00	1607														X											

LIONVILLE LABORATORY, INC.

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ANALYSIS RUN LOG

020056

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: TJA TRACE 2__ Method: P_

Start Date: 09/03/04 End Date: 09/03/04

LION Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
B19J48	1.00	1612														X											
CRI	1.00	1622														X											
ICSA	1.00	1627														X											
ICSAB	1.00	1632														X											
CCV	1.00	1640														X											
CCB	1.00	1647														X											

FORM XIV - IN

LIONVILLE LABORATORY, INC.

020057

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: FIMS 400_____ Method: CV

Start Date: 08/25/04 End Date: 08/25/04

LION Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
S0	1.00	1840											X														
S0.2	1.00	1841											X														
S0.5	1.00	1843											X														
S1.0	1.00	1845											X														
S2.0	1.00	1846											X														
S5.0	1.00	1848											X														
S10.0	1.00	1850											X														
ICV	1.00	1854											X														
ICB	1.00	1855											X														
CRA	1.00	1857											X														
ZZZZZZ	1.00	1859																									
ZZZZZZ	1.00	1901																									
ZZZZZZ	1.00	1902																									
ZZZZZZ	1.00	1904																									
ZZZZZZ	1.00	1906																									
ZZZZZZ	1.00	1907																									
ZZZZZZ	1.00	1909																									
ZZZZZZ	1.00	1911																									
ZZZZZZ	1.00	1913																									
CCV	1.00	1914											X														
CCB	1.00	1916											X														
ZZZZZZ	1.00	1918																									
ZZZZZZ	1.00	1919																									
ZZZZZZ	1.00	1921																									
ZZZZZZ	1.00	1923																									
ZZZZZZ	1.00	1925																									
ZZZZZZ	1.00	1926																									
ZZZZZZ	1.00	1928																									
ZZZZZZ	1.00	1930																									
CCV	1.00	1931											X														
CCB	1.00	1933											X														
PBT	1.00	1937											X														

FORM XIV - IN

LIONVILLE LABORATORY, INC.

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ANALYSIS RUN LOG

020058

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: FIMS 400_____ Method: CV

Start Date: 08/25/04 End Date: 08/25/04

LION Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
ZZZZZZ	1.00	1938																									
LCST	1.00	1940											X														
ZZZZZZ	1.00	1942																									
B19J40	1.00	1944											X														
B19J40D	1.00	1946											X														
B19J40S	1.00	1947											X														
B19J40SD	1.00	1949											X														
B19J41	1.00	1951											X														
CCV	1.00	1952											X														
CCB	1.00	1954											X														
B19J42	1.00	1956											X														
B19J43	1.00	1957											X														
B19J44	1.00	1959											X														
B19J45	1.00	2001											X														
B19J46	1.00	2002											X														
B19J48	1.00	2004											X														
CCV	1.00	2006											X														
CCB	1.00	2008											X														

FORM XIV - IN

LIONVILLE LABORATORY, INC.

020059

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ANALYSIS RUN LOG

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: PE ELAN5000A_ Method: PM

Start Date: 08/31/04 End Date: 08/31/04

LION Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
DI	1.00	1534																X									
S0	1.00	1536																X									
S3	1.00	1538																X									
ICV	1.00	1540																X									
ICB	1.00	1543																X									
CRI	1.00	1545																X									
ICSA	1.00	1547																X									
ICSAB	1.00	1549																X									
CCV	1.00	1551																X									
CCB	1.00	1554																X									
PBT	1.00	1556																X									
ZZZZZZ	100.00	1558																									
ZZZZZZ	100.00	1600																									
ZZZZZZ	100.00	1602																									
B19J40	1.00	1605																X									
B19J41	1.00	1607																X									
B19J42	1.00	1609																X									
B19J42D	1.00	1611																X									
B19J42L	5.00	1613																X									
B19J42S	100.00	1616																X									
CCV	1.00	1619																X									
CCB	1.00	1621																X									
B19J42SD	100.00	1623																X									
B19J43	1.00	1625																X									
B19J44	1.00	1627																X									
B19J45	1.00	1630																X									
B19J46	1.00	1632																X									
B19J47	1.00	1634																X									
B19J48	1.00	1636																X									
ZZZZZZ	200.00	1639																									
ZZZZZZ	1.00	1641																									
CCV	1.00	1643																X									

FORM XIV - IN

LIONVILLE LABORATORY, INC.

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ANALYSIS RUN LOG

020060

Lab Name: SOUTHWEST_RESEARCH_INSTIT Contract:10780.01.00X

Lab Code: SWRI__ Task Ord:040802-7 SRR No.: 26202_ SDG No.:248028

Instrument ID Number: PE ELAN5000A_ Method: PM

Start Date: 08/31/04 End Date: 08/31/04

LION Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BI	B	CD	CR	CU	PB	HG	MO	NI	SE	AG	TL	SN	U	V	ZN					
CCB	1.00	1645																X									
LCSW	200.00	1649																X									
CRI	1.00	1651																X									
CCV	1.00	1652																X									
CCB	1.00	1653																X									

FORM XIV - IN