QUALITY ASSURANCE REPORT PACKAGE # **55338**
FOR
KERAMIDA ENVIRONMENTAL, INC.

KEVIN MALLIN
KERAMIDA ENVIRONMENTAL, INC.
401 NORTH COLLEGE AVENUE
INDIANAPOLIS, IN 46202
(317) 685-6600

SAMPLE RANGE:

A768787 – A768808

PROJECT:

ESI ENVIRONMENTAL
SEWER OVERFLOW
PROJECT NO. 12130
MAY, 2007

HERITAGE ENVIRONMENTAL SERVICES, LLC
COMMERCIAL LABORATORY OPERATIONS
7901 WEST MORRIS STREET
INDIANAPOLIS, INDIANA 46231
PHONE: (317) 243-8304
FAX: (317) 486-5095

APPROVED BY:_____
PROJECT CHEMIST

KERAMIDA ENVIRONMENTAL, INC.
330 North College Avenue
Indianapolis, Indiana 46202
(317) 685-6600 - FAX (317) 685-6610

CHAIN OF CUSTODY REC/

Sheet 1 of 2

01001171

COC# 2041

Project No.: 12130
Project Name: ESI - Sewer Overflow - Cottie GC
Report to: Kevin Mallin
Client: ESI
Samplers: (signature)
Sampled By: KERAMIDA Environmental, Inc.
Z149941

Sample ID/Description	Date	Time	Comp	Grab	HCl	NaOH	HNO_3	H_2SO_4	Other	Z149941-TPH GRO	Z149941-TPH EPO	MATRIX (SW GW WW Soil Air Waste Oil)	QA/QC Level	Detection Level	Comments
CGC-11-1	5/1/07	1100							2	✓	✓	Soil	IV		A768787
CGC-11-2		1110							2	✓	✓				788
CGC-11-3		1130							2	✓	✓				789
CGC-11-4		1145							2	✓	✓				790
CGC-11-5		1155							2	✓	✓				791
CGC-11-6		1215							2	✓	✓				792
CGC-11-7		1225							2	✓	✓				793
CGC-11-8		13:20							2	✓	✓				794
CGC-11-9		1400							2	✓	✓				795
CGC-11-10		1410							2	✓	✓				796
CGC-11-11		1420							2	✓	✓				797
CGC-11-12		1430							3	✓	✓				798
CGC-11-13		1440							3	✓	✓				799

Relinquished by: Sign/Date/Time	Received by: Sign/Date/Time	Relinquished by: Sign/Date/Time	Received for Lab: Sign/Date/Time
5/2/07 0830			
Relinquished by: Sign/Date/Time	Received by: Sign/Date/Time	Relinquished by: Sign/Date/Time	Received for Lab: Sign/Date/Time 5-2-07 5-1-07 0850

Lab Name:
Due Date:
Remarks:

1) No method substitution will be performed by the laboratory without KERAMIDA authorization
2) Please notify KERAMIDA immediately upon receipt, if sample integrity is in question
3) If analysis cannot be conducted within required holding times, please notify KERAMIDA immediately
4) If requested detection lmits cannot be achieved, please contact KERAMIDA immediately

Sample Condition: Bottle Intact? Yes/No
Field Filtered? Yes/No
COC Seals Present & Intact? Yes/No
VOC Free of Headspace? Yes/No
VOC Preserved? Yes/No
Temperature upon Receipt: 5.8
Samples on ice? Yes/No

KERAMIDA ENVIRONMENTAL, INC.
330 North College Avenue
Indianapolis, Indiana 46202
(317) 685-6600 - FAX (317) 685-6610

CHAIN OF CUSTODY RECC

Sheet 1 of 1

COC# 2043

01001174

Project No. 12130

Project Name: RESI - Sewer Overflow

Report to: Kevin Mallin

Client: RESI

Samplers: (signature)

Sampled By: KERAMIDA Environmental, Inc.

Z14994

Sample ID/Description	Date	Time	Comp	Grab	HCl	NaOH	HNO_3	H_2SO_4	Other	Z14994 - TPH GRO	Z14994 - TPH EPO								MATRIX (SW, GW, WW, Soil, Air, Waste Oil)	QA/QC Level	Detection Level	Comments
CGC-11-14	5/2/07	0955							2	✓	✓								Soil	IV		A7668801
CGC-11-15		1005							2	✓	✓											802
CGC-11-16		1010							2	✓	✓											803
CGC-11-17		1020							2	✓	✓											804
CGC-11-18		1035							2	✓	✓											805
CGC-10-19		1055							2	✓	✓											806
CGC-10-20		1105							2	✓	✓											807
5/2 Duplicate 1		0955							2	✓	✓											808

Relinquished by: Sign/Date/Time	Received by: Sign/Date/Time	Relinquished by: Sign/Date/Time	Received for Lab: Sign/Date/Time
Kathy Eck 5-2-07 11:51			
Relinquished by: Sign/Date/Time	Received by: Sign/Date/Time	Relinquished by: Sign/Date/Time	Received for Lab: Sign/Date/Time 5-2-07/1151

Lab Name:
Due Date:
Remarks:

1) No method substitution will be performed by the laboratory without KERAMIDA authorization
2) Please notify KERAMIDA immediately upon receipt, if sample integrity is in question
3) If analysis cannot be conducted within required holding times, please notify KERAMIDA immediately
4) If requested detection limits cannot be achieved, please contact KERAMIDA immediately

Sample Condition: Bottle Intact? Yes/No
Field Filtered? Yes/No
COC Seals Present & Intact? Yes/No
VOC Free of Headspace? Yes/No
VOC Preserved? Yes/No
Temperature upon Receipt: 6.0
Samples on ice? Yes/No

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768787
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 11:00	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-1
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	67	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 09-MAY-07 Instrument: PREP Test: P239.0.1

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.02		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 10-MAY-07 16:23 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.1

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	15.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	66.0		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768787 CGC11-1**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.05		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	39.	15.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	104.0		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

This Certificate shall not be reproduced, except in full,
without the written approval of the lab.
The sample results relate only to the analytes of interest tested
or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results
indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768788
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 11:10	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-2
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	78	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 09-MAY-07 Instrument: PREP Test: P239.0.1

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	4.98		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 10-MAY-07 16:23 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.1

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	80.4		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768788 CGC11-2**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.00		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	51.	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	108.6		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results
indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768789
	Completed	**PO Number**	
	15-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 11:30	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-3
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	76	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 09-MAY-07 Instrument: PREP Test: P239.0.1

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	4.96		Grams
FINAL VOLUME	5		mL

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 02-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	4.98		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 10-MAY-07 16:23 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.1

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768789 CGC11-3**

(TRIFLUOROMETHYL)BENZENE	92.4		% Rec
1:50 Dilution.			

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: R. DALAL Analysis Date: 03-MAY-07 Instrument: PREP Test: P231.7.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.02		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 09-MAY-07 13:57 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	56.	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	116.7		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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The sample results relate only to the analytes of interest tested or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results indicated as NELAC (National Environmental Laboratory Accreditation Conference) accredited (Yes for NELAC) meet all requirements of NELAC and Illinois EPA Part 186 unless otherwise explained or justified as to the the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

GABusch, QAO

Approved by: GREGORY BUSCH 15-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768790
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 11:45	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-4
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	77	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 09-MAY-07 Instrument: PREP Test: P239.0.1

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.07		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 10-MAY-07 16:23 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.1

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	73.2		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768790 CGC11-4**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.07		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	27.	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	100.6		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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The sample results relate only to the analytes of interest tested
or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results
indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768791
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 11:55	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-5
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	81	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 09-MAY-07 Instrument: PREP Test: P239.0.1

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.06		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 10-MAY-07 16:23 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.1

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	12.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	76.0		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768791 CGC11-5**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.05		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	BDL	12.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	90.6		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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without the written approval of the lab.
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or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results
indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768792
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 12:15	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-6
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	77	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 02-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.10		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 06-MAY-07 20:14 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	77.2		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768792 CGC11-6**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.01		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	130	26.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	83.0		% Rec

1:2 Dilution.

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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Heritage Environmental Services, LLC certifies that the test results
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Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768793
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 12:25	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-7
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	70	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 02-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	4.97		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 06-MAY-07 20:14 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	14.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	97.6		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768793 CGC11-7**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.05		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	18.	14.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	89.4		% Rec

Sample Comments

BDL Below Detection Limit

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Sample chain of custody number 2041.

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accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768794
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 13:20	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-8
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	67	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 02-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.02		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 06-MAY-07 20:14 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	15.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	78.8		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768794 CGC11-8**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.03		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	54.	30.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	89.7		% Rec

1:2 Dilution.

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768795
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 14:00	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-9
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	80	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 02-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.05		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	12.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	84.8		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768795 CGC11-9**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.04		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	36.	12.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	108		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768796
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 14:10	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-10
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	83	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 02-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.07		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	12.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	71.2		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768796 CGC11-10**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.08		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	26.	12.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	97.0		% Rec

Sample Comments

BDL Below Detection Limit

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Sample chain of custody number 2041.

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accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768797
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 14:20	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-11
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	72	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 02-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.04		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	14.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	84.0		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768797 CGC11-11**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.04		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	BDL	14.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	83.1		% Rec

Sample Comments

BDL Below Detection Limit

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Sample chain of custody number 2041.

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accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768798
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 14:30	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-12
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	78	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.12		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	91.2		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768798 CGC11-12**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.01		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	83.0		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768799
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 14:40	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC11-13
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	80	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.05		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	12.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	79.6		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768799 CGC11-13**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.08		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	440	120	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	74.3		% Rec

1:10 Dilution.

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2041.

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Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768800
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	01-MAY-07 11:10	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: 5/1 DUPLICATE 2
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 07-MAY-07 17:10 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	78	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.15		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	66.8		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768800 5/1 DUPLICATE 2**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.07		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	70.	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	122.1		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 5.8 C.
Sample chain of custody number 2042.

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accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768801
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 09:55	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC-11-14
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	79	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.04		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	85.2		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768801 CGC-11-14**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.08		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	71.	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	143.9		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

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accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768802
	Completed	**PO Number**	
	11-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 10:05	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC-11-15
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	75	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.07		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	88.8		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: B. VANSLAVENS Analysis Date: 02-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768802 CGC-11-15**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.03		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 03-MAY-07 20:24 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	130	27.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	74.2		% Rec

1:2 Dilution.

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

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accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

Scott A Bryan

Approved by: SCOTT BRYAN 14-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768803
	Completed	**PO Number**	
	15-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 10:10	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC-11-16
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	78	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.20		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	82.8		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: R. DALAL Analysis Date: 03-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768803 CGC-11-16**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.02		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 09-MAY-07 13:57 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	32.	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	118.7		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

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the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

GABusch, QAO

Approved by: GREGORY BUSCH 15-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768804
	Completed	**PO Number**	
	15-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 10:20	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC-11-17
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	79	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.00		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	75.6		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: R. DALAL Analysis Date: 03-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768804 CGC-11-17**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.02		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 09-MAY-07 13:57 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	64.	13.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	125.5		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

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Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

GABusch, QAO

Approved by: GREGORY BUSCH 15-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768805
	Completed	**PO Number**	
	15-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 10:35	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC-17-18
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	68	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.04		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	15.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	80.8		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: R. DALAL Analysis Date: 03-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768805 CGC-17-18**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.02		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 09-MAY-07 13:57 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	BDL	15.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	90.2		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

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the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

GABusch, QAO

Approved by: GREGORY BUSCH 15-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768806
	Completed	**PO Number**	
	15-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 10:55	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC-10-19
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	82	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.17		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	12.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	73.2		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: R. DALAL Analysis Date: 03-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768806 CGC-10-19**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.08		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 09-MAY-07 13:57 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	300	120	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	282.3		% Rec

1:10 Dilution. Surrogate recovery affected by ERO levels in sample.

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

This Certificate shall not be reproduced, except in full,
without the written approval of the lab.
The sample results relate only to the analytes of interest tested
or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results
indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

GA Busch, QAO

Approved by: GREGORY BUSCH 15-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768807
	Completed	**PO Number**	
	15-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 11:05	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: CGC-10-20
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	89	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.12		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	BDL	11.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	76.8		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: R. DALAL Analysis Date: 03-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768807 CGC-10-20**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.03		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 09-MAY-07 13:57 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	47.	11.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	81.9		% Rec

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

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The sample results relate only to the analytes of interest tested
or to the sample as received by the lab.
Heritage Environmental Services, LLC certifies that the test results
indicated as NELAC (National Environmental Laboratory Accreditation
Conference) accredited (Yes for NELAC) meet all requirements of NELAC and
Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

GABusch, QAO

Approved by: GREGORY BUSCH 15-MAY-07

CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	02-MAY-07		A768808
	Completed	**PO Number**	
	15-MAY-07	ESI SEWER OVERFLO	
	Printed	**Sampled**	
	15-MAY-07	02-MAY-07 09:55	

Report To	Bill To
KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202	JOE BIGGIO ECOLOGICAL SYSTEMS INC 5232 WEST 79TH STREET INDIANAPOLIS, IN 46268

Sample Description

CLIENT ID: 5/2 DUPLICATE 1
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER CODE: 10234
CLIENT: ESI ENVIRONMENTAL
PROJECT LOCATION: INDIANAPOLIS, IN
PROJECT NAME: SEWER OVERFLOW
PROJECT NUMBER: 12130

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. NELAC:Y

Analyst: J. FRANKLIN Analysis Date: 09-MAY-07 12:00 Test: G401.6.0

Parameter	Result	Det. Limit	Units
SOLIDS	77	0.001	Percent

GRO PURGE AND TRAP METHOD SW846-5030B

Analyst: B. WOOD Analysis Date: 06-MAY-07 Instrument: PREP Test: P239.0.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	5.05		Grams
FINAL VOLUME	5		mL

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B NELAC:Y

Analyst: B. WOOD Analysis Date: 08-MAY-07 15:19 Instrument: GC/FID Test: O409.9.0

Prep: GRO PURGE AND TRAP METHOD SW846-5030B P239.0.0

Parameter	Result	Det. Limit	Units
DRY WT - GASOLINE RANGE ORGANICS (GRO)	14.	13.	mg/kg
...			
SURROGATE RECOVERY			

(TRIFLUOROMETHYL)BENZENE	63.6		% Rec

1:50 Dilution.

DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 NELAC:Y

Analyst: R. DALAL Analysis Date: 03-MAY-07 Instrument: PREP Test: P231.7.0

HERITAGE ENVIRONMENTAL SERVICES, LLC **Sample ID: A768808 5/2 DUPLICATE 1**

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	20.08		Grams
FINAL VOLUME	5		mL

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B NELAC:Y

Analyst: E. WERNZ Analysis Date: 09-MAY-07 13:57 Instrument: GC/FID Test: O410.3.0

Prep: DRO ACCELERATED SOLVENT EXTRACTION SW846-3545 P231.7.0

Parameter	Result	Det. Limit	Units
DRY WT - EXTENDED RANGE ORGANICS (ERO)	97.	26.	mg/kg
...			
SURROGATE RECOVERY			

1-CHLOROOCTADECANE	140.2		% Rec

1:2 Dilution.

Sample Comments

Sample was received on ice at temperature 6 C.
Sample chain of custody number 2043.

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Illinois EPA Part 186 unless otherwise explained or justified as to the
the exact nature of the deviations.
Heritage Environmental Services, LLC is accredited under Illinois NELAC
accreditation number 100401.
Indiana SDWA Lab Accred. No. C-49-01

GA Busch, QAO

Approved by: GREGORY BUSCH 15-MAY-07

Quality Assurance Report

NJC55338

15-MAY-07

Service Location	Submitter
Heritage Environmental Services, LLC Commercial Laboratory Operations 7901 West Morris Street Indianapolis, IN 46231 (317) 243-8304	KEVIN MALLIN KERAMIDA ENVIRONMENTAL, INC 401 NORTH COLLEGE AVENUE INDIANAPOLIS, IN 46202

Sample ID	Client ID	Date/Time Sampled	Date Received	Date Complete
A768787	CGC11-1.....	01-May-07 11:00	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768788	CGC11-2.....	01-May-07 11:10	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768789	CGC11-3.....	01-May-07 11:30	02-May-07	15-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768790	CGC11-4.....	01-May-07 11:45	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768791	CGC11-5.....	01-May-07 11:55	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768792	CGC11-6.....	01-May-07 12:15	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768793	CGC11-7.....	01-May-07 12:25	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768794	CGC11-8.....	01-May-07 13:20	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		

Quality Assurance Report

NJC55338

15-MAY-07

Sample ID	Client ID	Date/Time Sampled	Date Received	Date Complete
A768795	CGC11-9.....	01-May-07 14:00	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768796	CGC11-10.....	01-May-07 14:10	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768797	CGC11-11.....	01-May-07 14:20	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768798	CGC11-12.....	01-May-07 14:30	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768799	CGC11-13.....	01-May-07 14:40	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768800	5/1 DUPLICATE 2.....	01-May-07 11:10	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768801	CGC-11-14.....	02-May-07 09:55	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768802	CGC-11-15.....	02-May-07 10:05	02-May-07	11-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768803	CGC-11-16.....	02-May-07 10:10	02-May-07	15-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		

Quality Assurance Report

NJC55338

15-MAY-07

Sample ID	Client ID	Date/Time Sampled	Date Received	Date Complete
A768804	CGC-11-17.....	02-May-07 10:20	02-May-07	15-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768805	CGC-17-18.....	02-May-07 10:35	02-May-07	15-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768806	CGC-10-19.....	02-May-07 10:55	02-May-07	15-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768807	CGC-10-20.....	02-May-07 11:05	02-May-07	15-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		
A768808	5/2 DUPLICATE 1.....	02-May-07 09:55	02-May-07	15-May-07
	PROJECT LOCATION :	INDIANAPOLIS, IN		
	CLIENT :	ESI ENVIRONMENTAL		
	PROJECT NUMBER :	12130		
	PROJECT NAME :	SEWER OVERFLOW		

HERITAGE

NJC55338

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B **O410.3**
Prep : DRO ACCELERATED SOLVENT EXTRACTION SW846-3545

R518734 Analyst: B VANSLAVENS Run Date: 02-May-07 Instrument: PREP
Prep Reviewer: E WERNZ Review Date: 03-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
BLA02	Q1949889		Analytical Run: R518876							
LCS	Q1949890		Analytical Run: R518876							
SPI02	Q1949891	A768783	Analytical Run: R518876							
DPS02	Q1949892	A768783	Analytical Run: R518876							
SAMPLE	A768787	Rep: 0	Analytical Run: R518876							
SAMPLE	A768788	Rep: 0	Analytical Run: R518876							
SAMPLE	A768790	Rep: 0	Analytical Run: R518876							
SAMPLE	A768791	Rep: 0	Analytical Run: R518876							
SAMPLE	A768792	Rep: 0	Analytical Run: R518876							
SAMPLE	A768793	Rep: 0	Analytical Run: R518876							
SAMPLE	A768794	Rep: 0	Analytical Run: R518876							
SAMPLE	A768795	Rep: 0	Analytical Run: R518876							
SAMPLE	A768796	Rep: 0	Analytical Run: R518876							
SAMPLE	A768797	Rep: 0	Analytical Run: R518876							
SAMPLE	A768798	Rep: 0	Analytical Run: R518876							
SAMPLE	A768799	Rep: 0	Analytical Run: R518876							
SAMPLE	A768800	Rep: 0	Analytical Run: R518876							
SAMPLE	A768801	Rep: 0	Analytical Run: R518876							
SAMPLE	A768802	Rep: 0	Analytical Run: R518876							

Q1949891 Surrogate recovery affected by ERO levels in sample.
Q1949891 MS and MSD could not be reported due to sample matrix, hot spots
Q1949891 resistant to homogenizing present.
Q1949892 Surrogate recovery affected by ERO levels in sample.
Q1949892 MS and MSD could not be reported due to sample matrix, hot spots
Q1949892 resistant to homogenizing present.

R518783 Analyst: R DALAL Run Date: 03-May-07 Instrument: PREP
Prep Reviewer: E WERNZ Review Date: 04-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
BLA02	Q1950501		Analytical Run: R519251							
LCS	Q1950502		Analytical Run: R519251							
SPI02	Q1950503	A768863	Analytical Run: R519251							
DPS02	Q1950504	A768863	Analytical Run: R519251							
SAMPLE	A768803	Rep: 0	Analytical Run: R519251							
SAMPLE	A768804	Rep: 0	Analytical Run: R519251							
SAMPLE	A768805	Rep: 0	Analytical Run: R519251							
SAMPLE	A768806	Rep: 0	Analytical Run: R519251							
SAMPLE	A768807	Rep: 0	Analytical Run: R519251							
SAMPLE	A768808	Rep: 0	Analytical Run: R519251							
SAMPLE	A768789	Rep: 0	Analytical Run: R519251							

R518876 Analyst: E WERNZ Run Date: 03-May-07 Instrument: GC/FID
Analytical Reviewer: C HIPSKIND Review Date: 07-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CCV	Q1951373		EXTENDED RANGE ORGANICS (ERO)	99.4			87.5	mg/L	88.0	
CCV	Q1951373		1-CHLOROOCTADECANE						94.0	

NJC55338

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B **O410.3**
Prep : DRO ACCELERATED SOLVENT EXTRACTION SW846-3545

R518876 Analyst: E WERNZ Run Date: 03-May-07
Analytical Reviewer: C HIPSKIND Review Date: 07-May-07 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
BLA02	Q1949889		EXTENDED RANGE ORGANICS (ERO)			BDL	10	mg/kg		
BLA02	Q1949889		1-CHLOROOCTADECANE						91.3	
LCS	Q1949890		EXTENDED RANGE ORGANICS (ERO)	17.5			13.9	mg/kg	79.4	
SPI02	Q1949891	A768783	EXTENDED RANGE ORGANICS (ERO)	57	17.5	NQR	120	mg/kg		
DPS02	Q1949892	A768783	EXTENDED RANGE ORGANICS (ERO)	57	17.5	NQR	430	mg/kg		
SAMPLE	A768787		See Certificate of Analysis, Rep: 0							
SAMPLE	A768788		See Certificate of Analysis, Rep: 0							
SAMPLE	A768790		See Certificate of Analysis, Rep: 0							
SAMPLE	A768791		See Certificate of Analysis, Rep: 0							
CCV	Q1951374		EXTENDED RANGE ORGANICS (ERO)	99.4			90.3	mg/L	90.8	
CCV	Q1951374		1-CHLOROOCTADECANE						94.7	
SAMPLE	A768793		See Certificate of Analysis, Rep: 0							
SAMPLE	A768795		See Certificate of Analysis, Rep: 0							
SAMPLE	A768796		See Certificate of Analysis, Rep: 0							
SAMPLE	A768797		See Certificate of Analysis, Rep: 0							
SAMPLE	A768798		See Certificate of Analysis, Rep: 0							
SAMPLE	A768800		See Certificate of Analysis, Rep: 0							
SAMPLE	A768801		See Certificate of Analysis, Rep: 0							
CCV	Q1951375		EXTENDED RANGE ORGANICS (ERO)	99.4			91.3	mg/L	91.8	
CCV	Q1951375		1-CHLOROOCTADECANE						95.8	
SAMPLE	A768792		See Certificate of Analysis, Rep: 0							
SAMPLE	A768794		See Certificate of Analysis, Rep: 0							
SAMPLE	A768799		See Certificate of Analysis, Rep: 0							
SAMPLE	A768802		See Certificate of Analysis, Rep: 0							
CCV	Q1951376		EXTENDED RANGE ORGANICS (ERO)	99.4			88.5	mg/L	89.0	
CCV	Q1951376		1-CHLOROOCTADECANE						95.4	

Q1949891 Surrogate recovery affected by ERO levels in sample.
Q1949891 MS and MSD could not be reported due to sample matrix, hot spots
Q1949891 resistant to homogenizing present.
Q1949892 Surrogate recovery affected by ERO levels in sample.
Q1949892 MS and MSD could not be reported due to sample matrix, hot spots
Q1949892 resistant to homogenizing present.

R519251 Analyst: E WERNZ Run Date: 09-May-07 Instrument: GC/FID
Analytical Reviewer: C HIPSKIND Review Date: 14-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CCV	Q1954522		EXTENDED RANGE ORGANICS (ERO)	99.4			86.8	mg/L	87.3	
CCV	Q1954522		1-CHLOROOCTADECANE						94.5	
BLA02	Q1950501		EXTENDED RANGE ORGANICS (ERO)			BDL	10	mg/kg		
BLA02	Q1950501		1-CHLOROOCTADECANE						83.9	
LCS	Q1950502		EXTENDED RANGE ORGANICS (ERO)	17.5			15.2	mg/kg	86.8	
SPI02	Q1950503	A768863	EXTENDED RANGE ORGANICS	0	17.5		13.0	mg/kg	74.3	

NJC55338

ERO (EXTENDED RANGE ORGANICS) BY GC/FID SW846-8015B **O410.3**
Prep : DRO ACCELERATED SOLVENT EXTRACTION SW846-3545

R519251 Analyst: E WERNZ Run Date: 09-May-07
Analytical Reviewer: C HIPSKIND Review Date: 14-May-07 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
			(ERO)							
DPS02	Q1950504	A768863	EXTENDED RANGE ORGANICS (ERO)	0	17.5		14.9	mg/kg	85.1	13.6
SAMPLE	A768803		See Certificate of Analysis, Rep: 0							
SAMPLE	A768804		See Certificate of Analysis, Rep: 0							
SAMPLE	A768805		See Certificate of Analysis, Rep: 0							
SAMPLE	A768807		See Certificate of Analysis, Rep: 0							
SAMPLE	A768789		See Certificate of Analysis, Rep: 0							
CCV	Q1954523		EXTENDED RANGE ORGANICS (ERO)	99.4			96.6	mg/L	97.2	
SAMPLE	A768806		See Certificate of Analysis, Rep: 0							
SAMPLE	A768808		See Certificate of Analysis, Rep: 0							
CCV	Q1954524		EXTENDED RANGE ORGANICS (ERO)	99.4			100	mg/L	100.6	
CCV	Q1954524		1-CHLOROOCTADECANE						98.8	

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. **G401.6**

R519090 Analyst: J FRANKLIN Run Date: 07-May-07
Analytical Reviewer: E SOTKIEWICZ Review Date: 09-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
LCS01	Q1953116		SOLIDS	6.9855			6.9857	Grams	100.0	
SAMPLE	A768787		See Certificate of Analysis, Rep: 0							
SAMPLE	A768788		See Certificate of Analysis, Rep: 0							
SAMPLE	A768789		See Certificate of Analysis, Rep: 0							
SAMPLE	A768790		See Certificate of Analysis, Rep: 0							
SAMPLE	A768791		See Certificate of Analysis, Rep: 0							
SAMPLE	A768792		See Certificate of Analysis, Rep: 0							
SAMPLE	A768793		See Certificate of Analysis, Rep: 0							
SAMPLE	A768794		See Certificate of Analysis, Rep: 0							
SAMPLE	A768795		See Certificate of Analysis, Rep: 0							
DUP01	Q1953119	A768795	SOLIDS	80			81	Percent		1.2
SAMPLE	A768796		See Certificate of Analysis, Rep: 0							
SAMPLE	A768797		See Certificate of Analysis, Rep: 0							
SAMPLE	A768798		See Certificate of Analysis, Rep: 0							
SAMPLE	A768799		See Certificate of Analysis, Rep: 0							
SAMPLE	A768800		See Certificate of Analysis, Rep: 0							
LCS01	Q1953122		SOLIDS	5.5811			5.5809	Grams	100.0	

R519135 Analyst: J FRANKLIN Run Date: 09-May-07
Analytical Reviewer: P SPENCE Review Date: 10-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
LCS01	Q1953536		SOLIDS	5.5891			5.5883	Grams	100.0	
SAMPLE	A768801		See Certificate of Analysis, Rep: 0							
SAMPLE	A768802		See Certificate of Analysis, Rep: 0							
SAMPLE	A768803		See Certificate of Analysis, Rep: 0							
SAMPLE	A768804		See Certificate of Analysis, Rep: 0							

NJC55338

TOTAL SOLIDS DRIED AT 103-105 DEGREES C SM 2540 B, 19TH ED. G401.6

R519135 Analyst: J FRANKLIN Run Date: 09-May-07
Analytical Reviewer: P SPENCE Review Date: 10-May-07

Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SAMPLE	A768805		See Certificate of Analysis, Rep: 0							
SAMPLE	A768806		See Certificate of Analysis, Rep: 0							
SAMPLE	A768807		See Certificate of Analysis, Rep: 0							
SAMPLE	A768808		See Certificate of Analysis, Rep: 0							
DUP01	Q1953537	A769218	SOLIDS	32			32	Percent		0
LCS01	Q1953542		SOLIDS	5.3593			5.3592	Grams	100.0	

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B O409.9
Prep : GRO PURGE AND TRAP METHOD SW846-5030B

R518608 Analyst: B WOOD Run Date: 30-Apr-07 Instrument: PREP
Prep Reviewer: E WERNZ Review Date: 03-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SPI02	Q1948974	A767888	Analytical Run: R518955							
DPS02	Q1948975	A767888	Analytical Run: R518955							
BLA02	Q1949883		Analytical Run: R518955							
LCS	Q1949884		Analytical Run: R518955							
SAMPLE	A768792	Rep: 0	Analytical Run: R518955							
SAMPLE	A768793	Rep: 0	Analytical Run: R518955							
SAMPLE	A768794	Rep: 0	Analytical Run: R518955							
SAMPLE	A768795	Rep: 0	Analytical Run: R519126							
SAMPLE	A768796	Rep: 0	Analytical Run: R519126							
SAMPLE	A768797	Rep: 0	Analytical Run: R519126							

Q1948974 1:50 Dilution.
Q1948975 1:50 Dilution.
Q1949883 1:50 Dilution.
Q1949884 1:50 Dilution.

R518869 Analyst: B WOOD Run Date: 06-May-07 Instrument: PREP
Prep Reviewer: E WERNZ Review Date: 07-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
BLA02	Q1951294		Analytical Run: R519126							
LCS	Q1951295		Analytical Run: R519126							
SPI02	Q1951296	A768806	Analytical Run: R519126							
DPS02	Q1951297	A768806	Analytical Run: R519126							
SAMPLE	A768798	Rep: 0	Analytical Run: R519126							
SAMPLE	A768799	Rep: 0	Analytical Run: R519126							
SAMPLE	A768800	Rep: 0	Analytical Run: R519126							
SAMPLE	A768801	Rep: 0	Analytical Run: R519126							
SAMPLE	A768802	Rep: 0	Analytical Run: R519126							
SAMPLE	A768803	Rep: 0	Analytical Run: R519126							
SAMPLE	A768804	Rep: 0	Analytical Run: R519126							
SAMPLE	A768805	Rep: 0	Analytical Run: R519126							
SAMPLE	A768806	Rep: 0	Analytical Run: R519126							
SAMPLE	A768807	Rep: 0	Analytical Run: R519126							
SAMPLE	A768808	Rep: 0	Analytical Run: R519126							

NJC55338

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B **O409.9**
Prep : GRO PURGE AND TRAP METHOD SW846-5030B

R518869 Analyst: B WOOD Run Date: 06-May-07
Prep Reviewer: E WERNZ Review Date: 07-May-07 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
Q1951294	1:50 Dilution.									
Q1951295	1:50 Dilution.									
Q1951296	1:50 Dilution.									
Q1951297	1:50 Dilution.									

R518955 Analyst: B WOOD Run Date: 06-May-07 Instrument: GC/FID
Analytical Reviewer: E WERNZ Review Date: 08-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SPI02	Q1948974	A767888	GASOLINE RANGE ORGANICS (GRO)	0	123.5		172.9	mg/kg	140.0	
DPS02	Q1948975	A767888	GASOLINE RANGE ORGANICS (GRO)	0	125.5		153.1	mg/kg	122.0	13.7
CCV	Q1952199		GASOLINE RANGE ORGANICS (GRO)	2.50			2.50	mg/L	100.0	
CCV	Q1952199		(TRIFLUOROMETHYL)BENZENE						96.0	
BLA02	Q1949883		GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg		
BLA02	Q1949883		(TRIFLUOROMETHYL)BENZENE						68.8	
LCS	Q1949884		GASOLINE RANGE ORGANICS (GRO)	125.0			113.0	mg/kg	90.4	
SAMPLE	A768792		See Certificate of Analysis, Rep: 0							
SAMPLE	A768793		See Certificate of Analysis, Rep: 0							
SAMPLE	A768794		See Certificate of Analysis, Rep: 0							
CCV	Q1952200		GASOLINE RANGE ORGANICS (GRO)	2.50			2.49	mg/L	99.6	
CCV	Q1952200		(TRIFLUOROMETHYL)BENZENE						84.4	
Q1948974	1:50 Dilution.									
Q1948975	1:50 Dilution.									
Q1949883	1:50 Dilution.									
Q1949884	1:50 Dilution.									

R519050 Analyst: B WOOD Run Date: 09-May-07 Instrument: PREP
Prep Reviewer: E WERNZ Review Date: 09-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
BLA02	Q1952881		Analytical Run: R519168							
LCS	Q1952882		Analytical Run: R519168							
SPI02	Q1952883	A768787	Analytical Run: R519168							
DPS02	Q1952884	A768787	Analytical Run: R519168							
SAMPLE	A768787	Rep: 0	Analytical Run: R519168							
SAMPLE	A768788	Rep: 0	Analytical Run: R519168							
SAMPLE	A768789	Rep: 0	Analytical Run: R519168							
SAMPLE	A768790	Rep: 0	Analytical Run: R519168							
SAMPLE	A768791	Rep: 0	Analytical Run: R519168							
Q1952881	1:50 Dilution.									
Q1952882	1:50 Dilution.									
Q1952883	1:50 Dilution.									
Q1952884	1:50 Dilution.									

R519126 Analyst: B WOOD Run Date: 08-May-07 Instrument: GC/FID
Analytical Reviewer: E WERNZ Review Date: 10-May-07

NJC55338

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B **O409.9**
Prep : GRO PURGE AND TRAP METHOD SW846-5030B

R519126 Analyst: B WOOD Run Date: 08-May-07
Analytical Reviewer: E WERNZ Review Date: 10-May-07 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CCV	Q1953439		GASOLINE RANGE ORGANICS (GRO)	2.50			2.38	mg/L	95.2	
CCV	Q1953439		(TRIFLUOROMETHYL)BENZENE						70.8	
BLA02	Q1951294		GASOLINE RANGE ORGANICS (GRO)			BDL	5.0	mg/kg		
BLA02	Q1951294		(TRIFLUOROMETHYL)BENZENE						64.4	
LCS	Q1951295		GASOLINE RANGE ORGANICS (GRO)	125.0			110.5	mg/kg	88.4	
SAMPLE	A768806		See Certificate of Analysis, Rep: 0							
SPI02	Q1951296	A768806	GASOLINE RANGE ORGANICS (GRO)	0	125.8		126.3	mg/kg	100.4	
DPS02	Q1951297	A768806	GASOLINE RANGE ORGANICS (GRO)	0	126.0		136.6	mg/kg	108.4	7.7
SAMPLE	A768795		See Certificate of Analysis, Rep: 0							
SAMPLE	A768796		See Certificate of Analysis, Rep: 0							
SAMPLE	A768797		See Certificate of Analysis, Rep: 0							
SAMPLE	A768798		See Certificate of Analysis, Rep: 0							
SAMPLE	A768799		See Certificate of Analysis, Rep: 0							
SAMPLE	A768800		See Certificate of Analysis, Rep: 0							
SAMPLE	A768801		See Certificate of Analysis, Rep: 0							
SAMPLE	A768802		See Certificate of Analysis, Rep: 0							
SAMPLE	A768803		See Certificate of Analysis, Rep: 0							
CCV	Q1953444		GASOLINE RANGE ORGANICS (GRO)	2.50			2.19	mg/L	87.6	
CCV	Q1953444		(TRIFLUOROMETHYL)BENZENE						62.4	
CCV	Q1953445		GASOLINE RANGE ORGANICS (GRO)	2.50			2.40	mg/L	96.0	
CCV	Q1953445		(TRIFLUOROMETHYL)BENZENE						101.2	
SAMPLE	A768804		See Certificate of Analysis, Rep: 0							
SAMPLE	A768805		See Certificate of Analysis, Rep: 0							
SAMPLE	A768807		See Certificate of Analysis, Rep: 0							
SAMPLE	A768808		See Certificate of Analysis, Rep: 0							
CCV	Q1953450		GASOLINE RANGE ORGANICS (GRO)	2.50			2.49	mg/L	99.6	
CCV	Q1953450		(TRIFLUOROMETHYL)BENZENE						98.8	

Q1951294 1:50 Dilution.
Q1951295 1:50 Dilution.
Q1951296 1:50 Dilution.
Q1951297 1:50 Dilution.

R519168 Analyst: B WOOD Run Date: 10-May-07 Instrument: GC/FID
Analytical Reviewer: E WERNZ Review Date: 10-May-07

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
CCV	Q1953771		GASOLINE RANGE ORGANICS (GRO)	2.50			2.36	mg/L	94.4	
CCV	Q1953771		(TRIFLUOROMETHYL)BENZENE						78.0	
BLA02	Q1952881		GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg		
BLA02	Q1952881		(TRIFLUOROMETHYL)BENZENE						71.2	
LCS	Q1952882		GASOLINE RANGE ORGANICS (GRO)	125.0			106.5	mg/kg	85.2	
SAMPLE	A768787		See Certificate of Analysis, Rep: 0							

NJC55338

GRO (CA/IA/IN/OK/WI) BY P&T GC/FID SW846-8015B **O409.9**
Prep : GRO PURGE AND TRAP METHOD SW846-5030B

R519168 Analyst: B WOOD Run Date: 10-May-07
Analytical Reviewer: E WERNZ Review Date: 10-May-07 Continued

QC Type	Lab ID	Source	Parameter	True / Sample	Spike Value	RQL	Observed	Units	Rec	RPD
SPI02	Q1952883	A768787	GASOLINE RANGE ORGANICS (GRO)	0	124.5		117.0	mg/kg	94.0	
DPS02	Q1952884	A768787	GASOLINE RANGE ORGANICS (GRO)	0	120.9		110.3	mg/kg	91.2	3.0
SAMPLE	A768788		See Certificate of Analysis, Rep: 0							
SAMPLE	A768789		See Certificate of Analysis, Rep: 0							
SAMPLE	A768790		See Certificate of Analysis, Rep: 0							
SAMPLE	A768791		See Certificate of Analysis, Rep: 0							
CCV	Q1953772		GASOLINE RANGE ORGANICS (GRO)	2.50			2.29	mg/L	91.6	
CCV	Q1953772		(TRIFLUOROMETHYL)BENZENE						73.6	

Q1952881 1:50 Dilution.
Q1952882 1:50 Dilution.
Q1952883 1:50 Dilution.
Q1952884 1:50 Dilution.

RQL	Result Qualifier Definition
BDL	Below Detection Limit
NQR	No QC Result. High Sample Concentration.

QC Type	Definition
BLA02	PREPPED (CALIBRATION) BLANK OR METHOD BLANK
LCS01	LABORATORY CONTROL SAMPLE
DUP01	DUPLICATE SAMPLE ANALYSIS
SPI02	PREPPED MATRIX SPIKE
CCV	CONTINUING CALIBRATION VERIFICATION
LCS	LABORATORY CONTROL SAMPLE PREPPED
DPS02	PREPPED DUPLICATE MATRIX SPIKE

GABusch, QAO

Approved By : GREGORY BUSCH

CASE NARRATIVE
GC GROUP
ERO ANALYSIS
METHOD SW846-8015b, 3545, 3510

Sample:	**A768787**	**CGC11-1**	**A768795**	**CGC11-9**
	A768788	**CGC11-2**	**A768796**	**CGC11-10**
	A768789	**CGC11-3**	**A768797**	**CGC11-11**
	A768790	**CGC11-4**	**A768798**	**CGC11-12**
	A768791	**CGC11-5**	**A768799**	**CGC11-13**
	A768792	**CGC11-6**	**A768800**	**5/1 DUPLICATE 2**
	A768793	**CGC11-7**	**A768801**	**CGC11-14**
	A768794	**CGC11-8**	**A768802**	**CGC11-15**

These samples were analyzed according to normal procedures and all data quality acceptance criteria were satisfied with the following exceptions. Some samples in the run are identified as A767xxx when in fact they are A768, for example A767787 is sample A768787, dilutions of samples were analyzed at the end of the run. The MS and MSD recovery were affected by the ERO levels in the sample; surrogate levels were also affected by the ERO levels and dilutions.

Elizabeth Wernz
GC Supervisor

Injection Log

Directory: C:\MSDCHEM\1\DATA\1959

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1959_001.d	1.	CS2		03 May 2007 20:24
2	2	1959_002.d	1.	PRIMER		03 May 2007 20:49
3	3	1959_003.d	1.	C634 L-4		03 May 2007 21:14
4	4	1959_004.d	1.	BLA 579 FID S1192		03 May 2007 21:40
5	5	1959_005.d	1.	LCS 766 FID S1192		03 May 2007 22:05
6	6	1959_006.d	1.	A768783 FID S1183		03 May 2007 22:31
7	7	1959_007.d	1.	A768783 FID S1183 MS		03 May 2007 22:56
8	8	1959_008.d	1.	A768783 FID S1192 MSD		03 May 2007 23:22
9	9	1959_009.d	1.	A767784 FID S1192		03 May 2007 23:47
10	10	1959_010.d	1.	A767785 FID S1192		04 May 2007 00:13
11	11	1959_011.d	1.	A767786 FID S1192		04 May 2007 00:38
12	12	1959_012.d	1.	A767787 FID S1192		04 May 2007 01:04
13	13	1959_013.d	1.	A767788 FID S1192		04 May 2007 01:29
14	14	1959_014.d	1.	A767789 FID S1192		04 May 2007 01:55
15	15	1959_015.d	1.	A767790 FID S1192		04 May 2007 02:20
16	16	1959_016.d	1.	A767791 FID S1192		04 May 2007 02:46
17	17	1959_017.d	1.	A767792 FID S1192		04 May 2007 03:11
18	18	1959_018.d	1.	CS2		04 May 2007 03:36
19	19	1959_019.d	1.	CS2		04 May 2007 04:02
20	20	1959_020.d	1.	B634 L-4		04 May 2007 04:27
21	21	1959_021.d	1.	A768793 FID S1192		04 May 2007 04:53
22	22	1959_022.d	1.	A768794 FID S1192		04 May 2007 05:18
23	23	1959_023.d	1.	A768795 FID S1192		04 May 2007 05:44
24	24	1959_024.d	1.	A768796 FID S1192		04 May 2007 06:09
25	25	1959_025.d	1.	A768797 FID S1192		04 May 2007 06:35
26	26	1959_026.d	1.	A768798 FID S1192		04 May 2007 07:00
27	27	1959_027.d	1.	A768799 FID S1192		04 May 2007 07:25
28	28	1959_028.d	1.	A768800 FID S1192		04 May 2007 07:51
29	29	1959_029.d	1.	A768801 FID S1192		04 May 2007 08:17
30	30	1959_030.d	1.	A768802 FID S1192		04 May 2007 08:42
31	31	1959_031.d	1.	CS2		04 May 2007 09:07
32	32	1959_032.d	1.	CS2		04 May 2007 09:38
33	33	1959_033.d	1.	B634 L-4		04 May 2007 10:03
34	34	1959_034.d	1.	A768784 1:2		04 May 2007 10:29
35	35	1959_035.d	1.	A768786 1:2		04 May 2007 10:54
36	36	1959_036.d	1.	A768792 1:2		04 May 2007 11:20
37	37	1959_037.d	1.	A768794 1:2		04 May 2007 11:45
38	38	1959_038.d	1.	A768799 1:10		04 May 2007 12:11
39	39	1959_039.d	1.	A768802 1:2		04 May 2007 12:36
40	40	1959_040.d	1.	CS2		04 May 2007 13:02
41	41	1959_041.d	1.	CS2		04 May 2007 13:27
42	42	1959_042.d	1.	B634 L-4		04 May 2007 13:53
43	43	1959_043.d	1.	B634 L-4		04 May 2007 14:18
44	44	1959_044.d	1.	CS2		04 May 2007 14:44

Heritage Environmental Services, LLC

File/Run # 1959

Analysis Start Date 5-3-07 Analysis Start Time 20:24 LIMS RunID

Analyst 1023 E. WERNZ Reviewer CH 5/4/07 DE Recorder

Instr. 342 Channel 1 DE Reviewer

DUAL CHANNEL FID

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884 EXTENDED RANGE ORGANICS (ERO)			87.5		mg/L ~~MG/KG~~	99.4		88.0	
3269 1-CHLOROOCTADECANE					94.0 %				

Analytical Comments

Dilution

579 BLA02 R Method 384 SW846-8015B Matrix 5 Initial Final PrepPage

PCode Parameter	Q# 1948889	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884 EXTENDED RANGE ORGANICS (ERO)		9.186	BDL	10	MG/KG				
3269 1-CHLOROOCTADECANE					91.3 %				

Analytical Comments

Dilution

766 LCS R Method 384 SW846-8015B Matrix 5 Initial Final PrepPage

PCode Parameter	Q# 1948890	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884 EXTENDED RANGE ORGANICS (ERO)		55.4	13.9		MG/KG	17.5		79.4	
3269 1-CHLOROOCTADECANE					92.9 %				

Analytical Comments

Dilution

A768783 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.05 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884 EXTENDED RANGE ORGANICS (ERO)		230	57	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE			153		% Rec	

Analytical Comments Comment 2: MS and MSD could not be reported due to sample matrix, hot spots resistant to homogenizing present.

Dilution Comment 1: Surrogate recovery affected by ERO levels in sample

A768783 SPI02 R Method 384 SW846-8015B Matrix 5 Initial Final PrepPage

PCode Parameter	Q# 1948891	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884 EXTENDED RANGE ORGANICS (ERO)		481	120		MG/KG	57	17.5	NQR	
3269 1-CHLOROOCTADECANE					174.2%				

Analytical Comments

Dilution Comment 2

Comment 1

A768783 DPS02 R Method 384 SW846-8015B Matrix 5 Initial Final PrepPage

PCode Parameter	Q# 1948892	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884 EXTENDED RANGE ORGANICS (ERO)		1722	430		MG/KG	57	17.5	NQR	NQR
3269 1-CHLOROOCTADECANE					289 %				

Heritage Environmental Services, LLC

File/Run # 1959

A768783 DPS02 R

PCode Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD

Analytical Comments

Dilution ____

Comment 1 Comment 2

A768785 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.03 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884 EXTENDED RANGE ORGANICS (ERO)		74.1	18	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	82.0		% Rec	

Analytical Comments

Dilution ____

A768787 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.05 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884 EXTENDED RANGE ORGANICS (ERO)		103.5	26	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	104.0		% Rec	

Analytical Comments

Dilution ____

A768788 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884 EXTENDED RANGE ORGANICS (ERO)		160.6	40	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	108.6		% Rec	

Analytical Comments

Dilution ____

A768790 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.07 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884 EXTENDED RANGE ORGANICS (ERO)		84.5	21	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	100.6		% Rec	

Analytical Comments

Dilution ____

A768791 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.05 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie

Heritage Environmental Services, LLC

File/Run # 1959

A768791 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)	40.7	BDL	10	mg/kg	
1804	...					
971	SURROGATE RECOVERY					
972	----------					
3269	1-CHLOROOCTADECANE		90.6		% Rec	

Analytical Comments

Dilution

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			90.3	mg/L	~~MG/KG~~	99.4		90.8	
3269	1-CHLOROOCTADECANE					94.7 %				

Analytical Comments

Dilution

A768793 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.05 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		51.8	13	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			89.4		% Rec	

Analytical Comments

Dilution

A768795 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.04 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		116.5	29	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			108		% Rec	

Analytical Comments

Dilution

A768796 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		88.9	22	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			92.0		% Rec	

Analytical Comments

Dilution

Heritage Environmental Services, LLC

File/Run # 1959

A768797 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie

A768797 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.04 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		25.9	~~[illegible]~~ BDL	10	mg/kg	
1804	...			5-4-07 ww			
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			83.1		% Rec	

Analytical Comments

Dilution _____

A768798 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.01 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		32.9	BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			83.0		% Rec	

Analytical Comments

Dilution _____

A768800 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.07 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		219.3	~~BDL~~ 55	10	mg/kg	
1804	...			5-4-07 ww			
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			122.1		% Rec	

Analytical Comments

Dilution _____

A768801 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		224	56	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			143.9		% Rec	

Analytical Comments

Dilution _____

CCV R Method 384 SW846-8015B Matrix _____ Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			91.3		mg/L ~~MG/KG~~	99.4		91.9	
3269	1-CHLOROOCTADECANE					95.8 %				

Analytical Comments

Heritage Environmental Services, LLC

File/Run # 1959

CCV R								cont
PCode Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
Dilution ____								

A768784 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.02 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie 2
3884 EXTENDED RANGE ORGANICS (ERO)		~~95.9~~ 99.3	~~50~~ ~~48~~ 50	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	~~166.8~~ 85.0		% Rec	

Analytical Comments
Dilution 1:2
~~Comment +~~ 5-4-07 ww

A768786 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie 2
3884 EXTENDED RANGE ORGANICS (ERO)		135.7	68	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	~~144~~ 91.6		% Rec	

Analytical Comments
Dilution 1:2
5-4-07 ww

A768792 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.01 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie 2
3884 EXTENDED RANGE ORGANICS (ERO)		~~145~~ 202	101	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	~~253~~ 83.0		% Rec	

Analytical Comments
Dilution 1:2
~~Comment~~ 15-4-07 ww

A768794 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.03 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie 2
3884 EXTENDED RANGE ORGANICS (ERO)		71.6	36	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3269 1-CHLOROOCTADECANE		____	89.7		% Rec	

Analytical Comments
Dilution 1:2

A768799 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 ML PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie 10
3884 EXTENDED RANGE ORGANICS (ERO)		142.14	350	10	mg/kg	

Heritage Environmental Services, LLC

File/Run # 1959

A768799 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
1804	...					
971	SURROGATE RECOVERY					
972	----------					
3269	1-CHLOROOCTADECANE		74.3 ~~NAR~~		% Rec	

Analytical Comments

Dilution 1:10

Commit + 5-4-07 cw

A768802 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.03 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		204.6	100	10	mg/kg	2
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			74.2		% Rec	

Analytical Comments

Dilution 1:2

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			88.5	mg/L	~~MG/KG~~	99.4		89.0	
3269	1-CHLOROOCTADECANE					95.4%				

Analytical Comments

Dilution

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

ERO Reporting Limits

METHOD	SW846-8015		**Reporting Limits**	
MATRIX				
WATER				
LCS (LFB)	ERO	*	**53.3-172.5**	
MS/MSD	ERO	*	**50-150**	limits set are narrower than control chart limits
SURROGATE	1-chlorooctadecane		**39.7-139.3**	
SOIL				
LCS (LFB)	ERO		**67.1-158.6**	
MS/MSD	ERO		**25.3-170.3**	
SURROGATE	1-chlorooctadecane		**27-149.5**	

updated

*=insufficient data points available

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR DRO

LIMS R578734

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA 579	Q1948889	BLA02	P231.7	5/2/07	BU/4593	20.00 g	~~10~~ 5 mL BU 5/2/07	W / 1023	BG33/	
LCS 7666	Q1948890	LCS				20.00 g	mL	/		250uL BG27
A768783	Q1948891	SPI02				20.02 g	mL	/		
↓	Q1948892	DPS02				20.01 g	mL	/		
A768783	4335-2					20.05 g	mL	/		
784	4335-3					20.02 g	mL	/		
785	4335-4					20.03 g	mL	/		
786	S/1 DUPLICATE 1					20.00 g	mL	/		
787	CGC11-1					20.05 g	mL	/		
788	CGC11-2					20.00 g	mL	/		
~~789~~	~~CGC11-3~~					~~20.05 g~~	~~mL~~	~~/~~		Lost during extraction; being re-prepped BU 5/3/07
790	CGC11-4					20.07 g	mL	/		
791	CGC11-5					20.05 g	mL	/		
792	CGC11-6					20.01 g	mL	/		
793	CGC11-7					20.05 g	mL	/		
794	CGC11-8					20.03 g	mL	/		
795	CGC11-9					20.04 g	mL	/		
796	CGC11-10					~~20.03 g~~ 20.08 g BU 5/2/07	mL	/		COMP 5-3-07 RLB

MeCL2 lot# 47074
CS2 lot# _____
PENTANE lot# _____
ACETONE lot# _____

Prep Page FID S-

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR _____

LIMS _____

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA		BLA02				g	mL	/		
LCS		LCS				g	mL	/		
		SPI02				g	mL	/		
		DPS02				g	mL	/		
A768797	CGC11-11		p231.7	5/2/07	BV/4593	20.04 g	~~10~~ 5 mL BV EAM	W / 1023	B633	
798	CGC11-12					20.01 g	mL	/		
799	CGC11-13					20.08 g	mL	/		
800	5/1 DUPLICATE 2					20.07 g	mL	/		
801	CGC11-14					20.08 g	mL	/		
802	CGC11-15					20.03 g	mL	/		COMP 5 3.07 RLB
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		

MeCL2 lot# 470741
CS2 lot# _____

PENTANE lot# _____
ACETONE lot# _____

Prep Page FID S-

Response Factor Report Instrumen

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007

Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	3.867	6.272	6.937	8.481	9.178	9.976	7.452	E5	29.96
2)	S	1-chlorooctadeca	1.269	1.254	1.071	1.051	1.058	1.093	1.133	E6	8.91
4)	H,T	ERO(nC9-nC36)	3.251	3.344	2.752	2.487	2.347	2.272	2.742	E6	16.82
5)	M	Nonane (C9)	0.845	1.488	1.299	1.564	1.747	1.842	1.464	E6	24.50
6)	M	Decane (C10)	5.168	3.713	2.871	2.632	2.657	2.623	3.277	E6	30.99
7)	M	Dodecane (C12)	3.296	3.011	2.566	2.490	2.536	2.551	2.742	E6	12.12
8)	M	Tetradecane (C14	3.524	3.159	2.655	2.576	2.602	2.611	2.855	E6	13.85
9)	M	Hexadecane (C16)	3.597	3.178	2.699	2.616	2.643	2.652	2.898	E6	13.90
10)	M	Octadecane (C18)	3.817	3.318	2.822	2.726	2.757	2.746	3.031	E6	14.71
11)	M	Nonadecane (C19)	3.713	3.268	2.777	2.685	2.709	2.711	2.977	E6	14.21
12)	M	Eicosane (C20)	3.676	3.266	2.776	2.690	2.716	2.720	2.974	E6	13.69
13)	M	Docosane (C22)	3.742	3.300	2.814	2.714	2.745	2.742	3.010	E6	14.00
14)	M	Tetracosane (C24	3.868	3.262	2.769	2.679	2.707	2.712	3.000	E6	15.97
15)	M	Hexacosane (C26)	3.517	3.236	2.767	2.682	2.686	2.689	2.930	E6	12.25
16)	M	Octacosane (C28)	3.745	3.615	2.915	2.702	2.579	2.637	3.032	E6	17.02
17)	M	Triacontane (C30	3.329	3.119	2.672	2.521	2.453	2.499	2.766	E6	13.32
18)	M	Hexatriacontane	2.523	2.888	2.240	1.990	1.854	1.923	2.236	E6	18.02

Signal #2 Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	4.001	2.719	1.729	1.311	1.889	1.225	2.146	E6	49.13
2)	S	1-chlorooctadeca	1.427	1.366	1.203	1.177	1.194	1.215	1.264	E6	8.32
4)	H,T	ERO(nC9-nC36)	3.842	3.885	3.293	2.774	2.684	2.512	3.165	E6	18.97
5)	M	Nonane (C9)	2.093	0.982	0.616	0.418	0.416	0.305	0.805	E7	83.83
6)	M	Decane (C10)	2.287	1.090	0.709	0.471	0.496	0.361	0.902	E7	80.46
7)	M	Dodecane (C12)	5.301	4.578	3.540	3.031	3.272	2.887	3.768	E6	25.53
8)	M	Tetradecane (C14	3.946	3.507	2.995	2.881	2.994	2.894	3.203	E6	13.47
9)	M	Hexadecane (C16)	3.909	3.443	2.982	2.900	2.949	2.919	3.184	E6	12.87
10)	M	Octadecane (C18)	4.060	3.529	3.104	2.971	3.002	2.981	3.274	E6	13.41
11)	M	Nonadecane (C19)	4.051	3.513	3.057	2.965	3.009	2.979	3.262	E6	13.43
12)	M	Eicosane (C20)	4.011	3.513	3.058	2.964	3.017	2.984	3.258	E6	12.96
13)	M	Docosane (C22)	4.360	3.550	3.080	2.974	3.023	2.996	3.331	E6	16.46
14)	M	Tetracosane (C24	4.287	3.504	3.063	2.983	3.014	2.971	3.304	E6	15.80
15)	M	Hexacosane (C26)	3.918	3.504	3.050	2.995	3.003	2.989	3.243	E6	11.90
16)	M	Octacosane (C28)	3.935	4.064	3.298	0.109	0.074	0.041	1.920	E6	106.15
17)	M	Triacontane (C30	4.038	3.952	3.265	3.136	3.119	3.030	3.424	E6	13.15
18)	M	Hexatriacontane	3.228	0.562	0.313	0.382	0.248	0.073	0.801	E6	149.81

(#) = Out of Range

ERO342B.M Fri Apr 27 09:21:22 2007

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID1A.CH Vial: 13
Acq On : 27 Apr 2007 1:51 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID2B.CH Vial: 13
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:39 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.01	386675	4001394	0.519	1.865	#
	Spiked Amount 10.000			Recovery	=	5.19%	18.65%	
2)	S 1-chlorooctadeca	9.72	9.41	2538597	2853241	2.241	2.258	
	Spiked Amount 20.000			Recovery	=	11.21%	11.29%	
3)	S p-terphenyl	10.15	9.83	2619130	3051690	1.350	1.435	
	Spiked Amount 10.000			Recovery	=	13.50%	14.35%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	39905899	40491246	14.553	12.794	
5)	M Nonane (C9)	2.38	2.19	591678	14653271	0.404	1.820	#
6)	M Decane (C10)	3.17	2.95	3617385	16007057	1.104	1.774	#
7)	M Dodecane (C12)	4.82	4.55	2317530	3710994	0.845	0.985	
8)	M Tetradecane (C14	6.25	5.98	2466853	2762136	0.864	0.862	
9)	M Hexadecane (C16)	7.44	7.15	2518010	2736306	0.869	0.859	
10)	M Octadecane (C18)	8.45	8.15	2674425	2841852	0.882	0.868	
11)	M Nonadecane (C19)	8.91	8.60	2599190	2835463	0.873	0.869	
12)	M Eicosane (C20)	9.34	9.03	2572955	2807657	0.865	0.862	
13)	M Docosane (C22)	10.15	9.83	2619130	3051690	0.870	0.916	
14)	M Tetracosane (C24	10.90	10.56	2714288	3021542	0.905	0.915	
15)	M Hexacosane (C26)	11.58	11.23	2549174	2982922	0.870	0.920	
16)	M Octacosane (C28)	12.23	11.85	3280928	4318382	1.082	2.249	#
17)	M Triacontane (C30	12.92	12.46	2928258	4026038	1.059	1.176	
18)	M Hexatriacontane	16.30	15.47	1713970	2294482	0.766	2.865	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

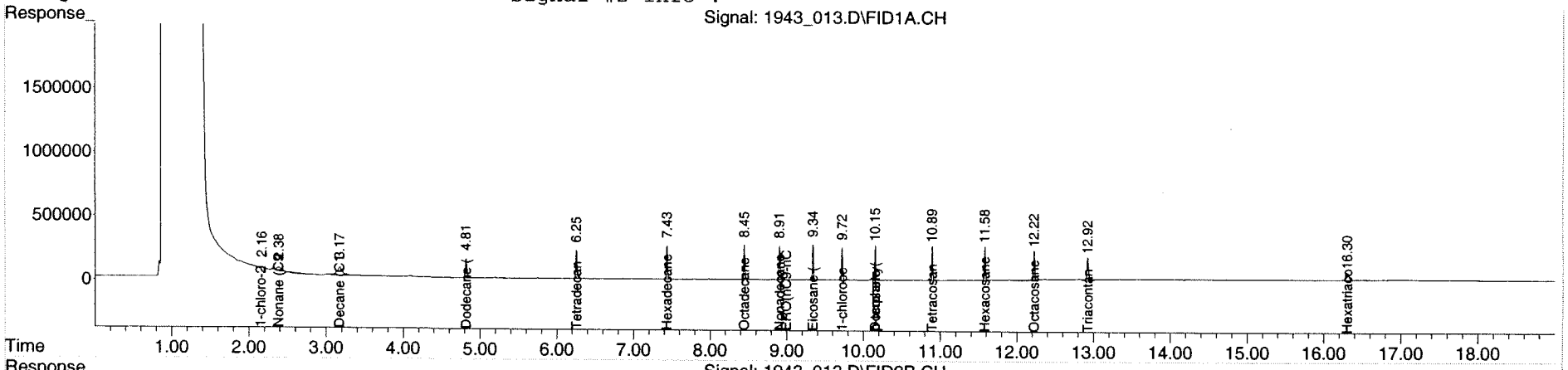
Quantitation Report (Not Reviewed)

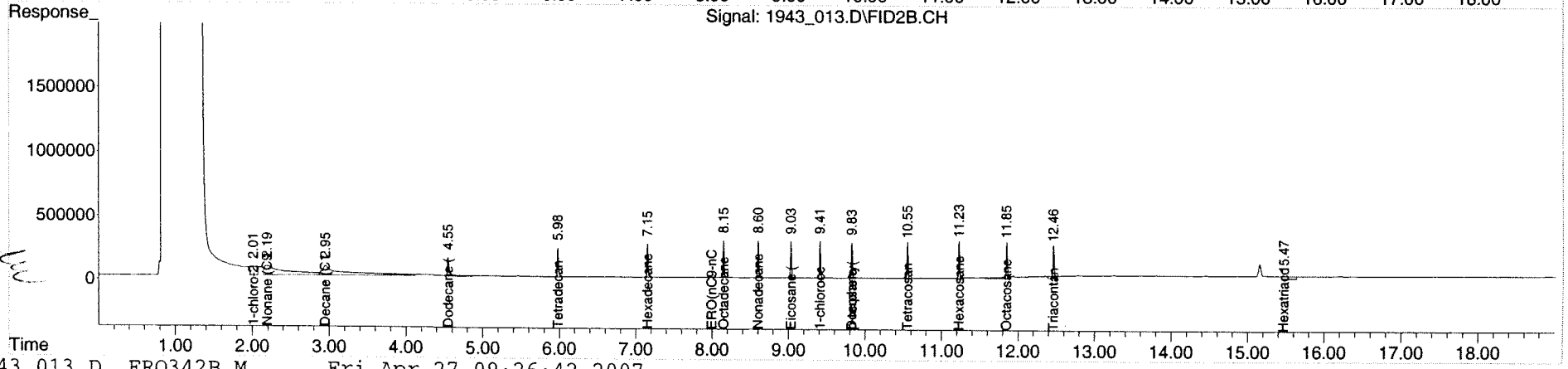
Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID1A.CH Vial: 13
Acq On : 27 Apr 2007 1:51 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID2B.CH Vial: 13
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID1A.CH Vial: 14
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID2B.CH Vial: 14
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:44 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1) S	1-chloro-2-flour	2.15	2.01	1254393	5437744	1.683	2.534	#
Spiked Amount	10.000			Recovery	=	16.83%	25.34%	
2) S	1-chlorooctadeca	9.72	9.41	5015623	5462911	4.427	4.323	
Spiked Amount	20.000			Recovery	=	22.13%	21.62%	
3) S	p-terphenyl	10.15	9.83	5939125	6390591	3.061	3.004	
Spiked Amount	10.000			Recovery	=	30.61%	30.04%	
	Target Compounds							
4) H,T	ERO(nC9-nC36)	9.00	8.00	84259616	97890581	30.729	30.929	
5) M	Nonane (C9)	2.38	2.19	2677973	17677037	1.829	2.196	
6) M	Decane (C10)	3.17	2.95	6682989	19617148	2.039	2.175	
7) M	Dodecane (C12)	4.81	4.55	5419752	8240778	1.977	2.187	
8) M	Tetradecane (C14	6.25	5.98	5685901	6313231	1.992	1.971	
9) M	Hexadecane (C16)	7.43	7.15	5720385	6198047	1.974	1.947	
10) M	Octadecane (C18)	8.45	8.15	5973051	6351338	1.971	1.940	
11) M	Nonadecane (C19)	8.91	8.60	5883298	6323270	1.976	1.938	
12) M	Eicosane (C20)	9.34	9.03	5878111	6322852	1.977	1.941	
13) M	Docosane (C22)	10.15	9.83	5939125	6390591	1.973	1.919	
14) M	Tetracosane (C24	10.89	10.55	5871339	6307274	1.957	1.909	
15) M	Hexacosane (C26)	11.58	11.23	5825429	6307246	1.988	1.945	
16) M	Octacosane (C28)	12.22	11.85	6506570	7315048	2.146	3.810	#
17) M	Triacontane (C30	12.92	12.46	5614320	7114273	2.030	2.078	
18) M	Hexatriacontane	16.30	15.47	5198694	1010824	2.325	1.262	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

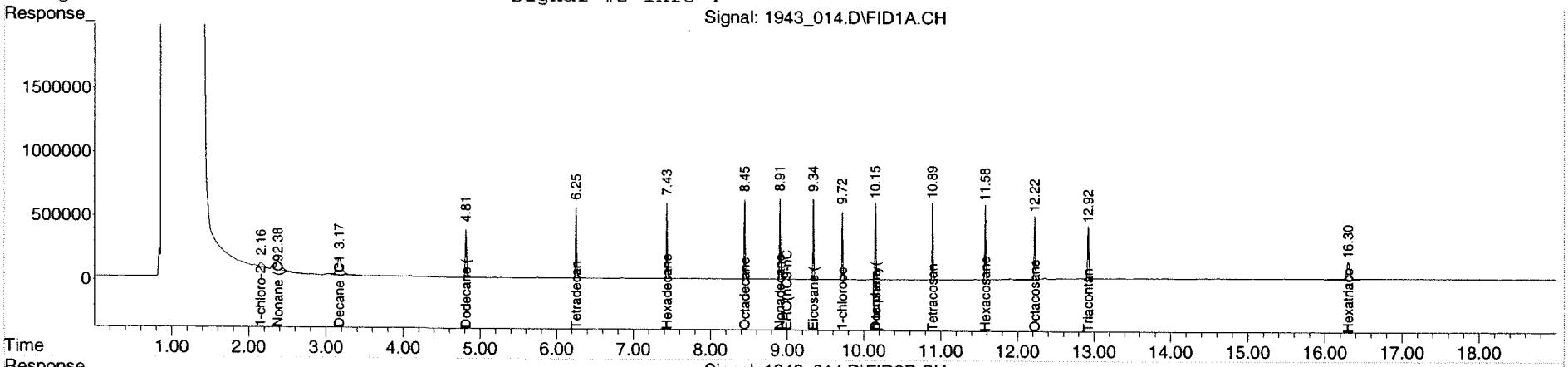
Quantitation Report (Not Reviewed)

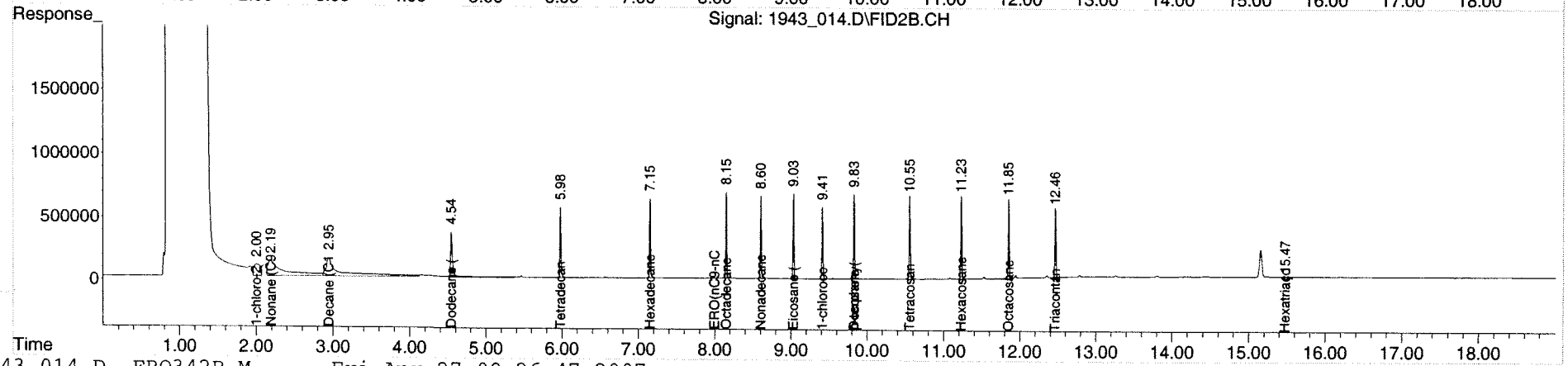
Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID1A.CH Vial: 14
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID2B.CH Vial: 14
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID1A.CH Vial: 15
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID2B.CH Vial: 15
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:49 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	3468731	8643631	4.655	4.029	
	Spiked Amount 10.000			Recovery	=	46.55%	40.29%	
2)	S 1-chlorooctadeca	9.72	9.41	10713271	12031595	9.457	9.521	
	Spiked Amount 20.000			Recovery	=	47.29%	47.61%	
3)	S p-terphenyl	10.15	9.83	10129374	11089743	5.221	5.214	
	Spiked Amount 10.000			Recovery	=	52.21%	52.14%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	138.7E6	166.0E6	50.575	52.438	
5)	M Nonane (C9)	2.38	2.19	4677593	22164474	3.194	2.753	
6)	M Decane (C10)	3.17	2.94	10337243	25514450	3.154	2.828	
7)	M Dodecane (C12)	4.81	4.55	9239395	12742411	3.370	3.382	
8)	M Tetradecane (C14	6.25	5.98	9558167	10780596	3.348	3.366	
9)	M Hexadecane (C16)	7.43	7.15	9717759	10733889	3.354	3.372	
10)	M Octadecane (C18)	8.45	8.15	10159831	11173668	3.352	3.413	
11)	M Nonadecane (C19)	8.91	8.60	9996381	11004425	3.357	3.373	
12)	M Eicosane (C20)	9.34	9.03	9994156	11007870	3.361	3.379	
13)	M Docosane (C22)	10.15	9.83	10129374	11089743	3.366	3.330	
14)	M Tetracosane (C24	10.90	10.56	9968051	11026881	3.323	3.338	
15)	M Hexacosane (C26)	11.58	11.23	9961574	10979617	3.400	3.386	
16)	M Octacosane (C28)	12.22	11.85	10493425	11873206	3.461	6.183	#
17)	M Triacontane (C30	12.92	12.46	9620970	11755450	3.479	3.434	
18)	M Hexatriacontane	16.30	15.47	8064069	1127597	3.606	1.408	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

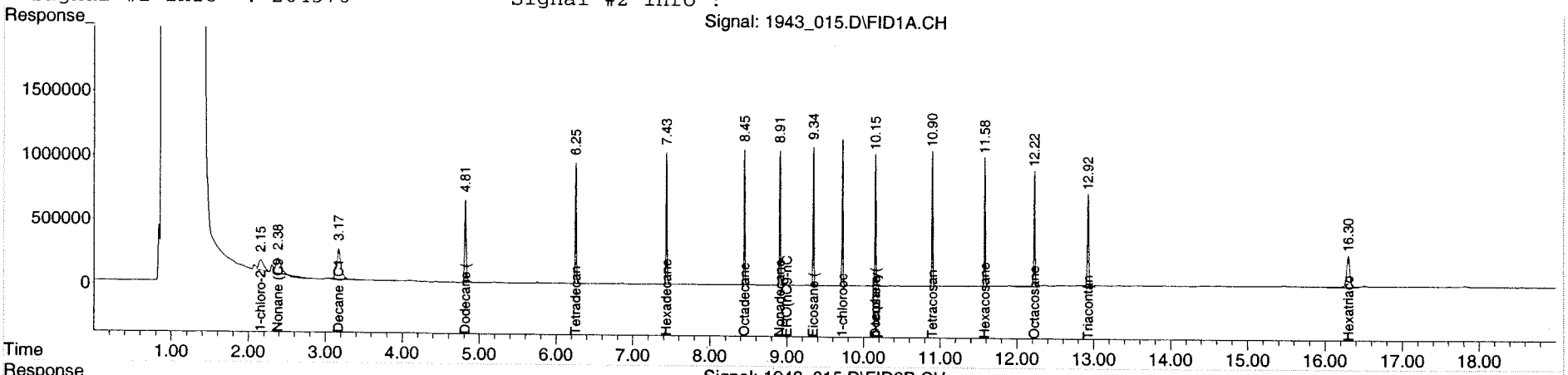
Quantitation Report (Not Reviewed)

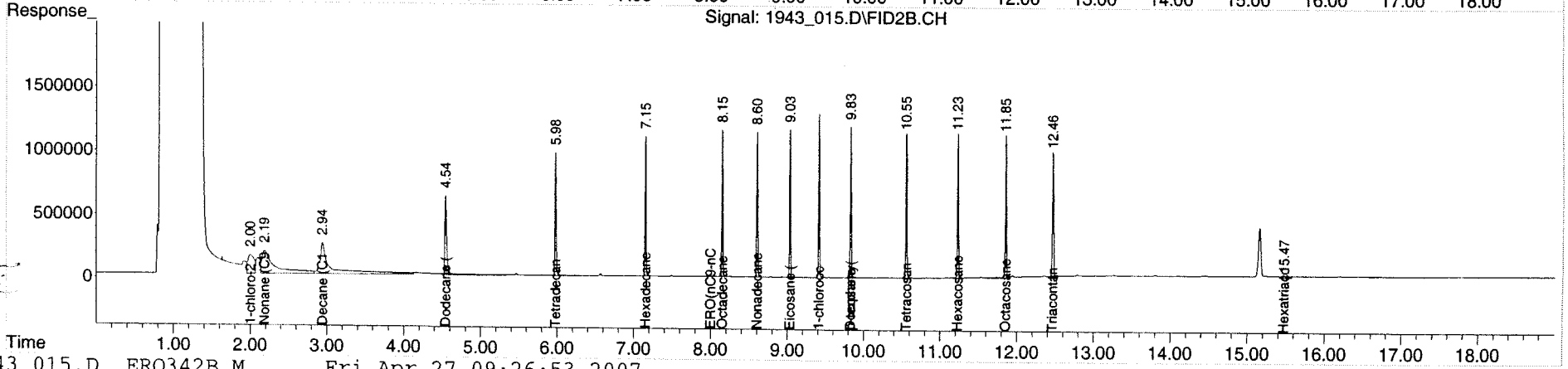
Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID1A.CH Vial: 15
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID2B.CH Vial: 15
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID1A.CH Vial: 16
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID2B.CH Vial: 16
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:55 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	8480893	13111517	11.381	6.111	#
	Spiked Amount 10.000			Recovery	=	113.81%	61.11%	
2)	S 1-chlorooctadeca	9.72	9.41	21013542	23547855	18.549	18.634	
	Spiked Amount 20.000			Recovery	=	92.75%	93.17%	
3)	S p-terphenyl	10.15	9.83	19271892	21115911	9.933	9.927	
	Spiked Amount 10.000			Recovery	=	99.33%	99.27%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	247.2E6	275.7E6	90.144	87.121	
5)	M Nonane (C9)	2.38	2.19	11107049	29708644	7.585	3.690	#
6)	M Decane (C10)	3.17	2.94	18686472	33411391	5.702	3.704	#
7)	M Dodecane (C12)	4.81	4.54	17678940	21516876	6.448	5.710	
8)	M Tetradecane (C14	6.25	5.98	18289602	20456952	6.407	6.387	
9)	M Hexadecane (C16)	7.43	7.15	18577064	20593123	6.411	6.468	
10)	M Octadecane (C18)	8.45	8.15	19352240	21090929	6.385	6.441	
11)	M Nonadecane (C19)	8.91	8.60	19066244	21049025	6.404	6.452	
12)	M Eicosane (C20)	9.34	9.03	19096369	21043704	6.421	6.460	
13)	M Docosane (C22)	10.15	9.83	19271892	21115911	6.404	6.340	
14)	M Tetracosane (C24	10.90	10.56	19021772	21179918	6.342	6.411	
15)	M Hexacosane (C26)	11.58	11.23	19040634	21263026	6.499	6.557	
16)	M Octacosane (C28)	12.23	11.94	19181700	777422	6.326	0.405	#
17)	M Triacontane (C30	12.92	12.46	17899681	22265831	6.472	6.504	
18)	M Hexatriacontane	16.30	15.47	14130474	2712310	6.319	3.387	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

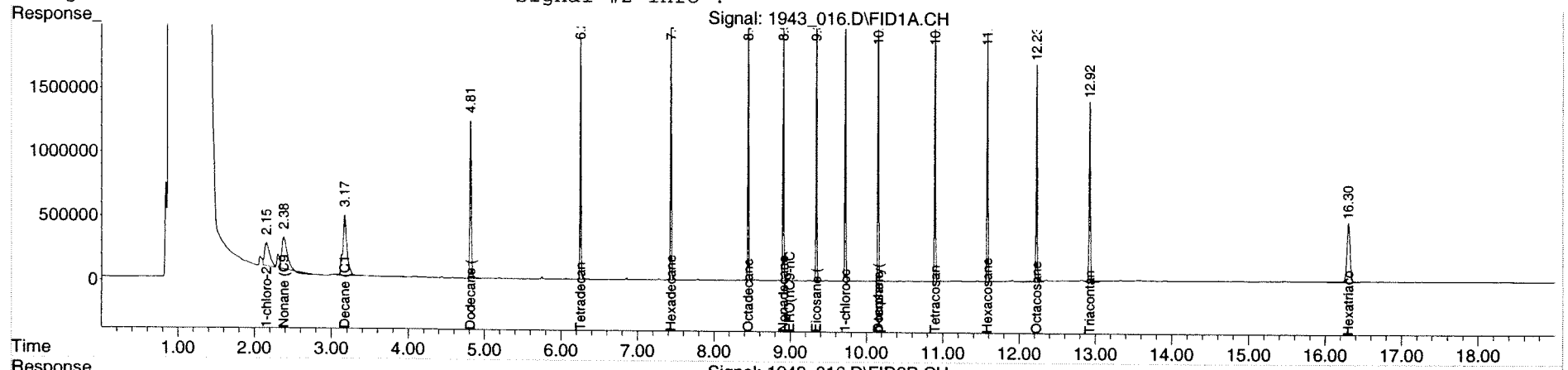
Quantitation Report (Not Reviewed)

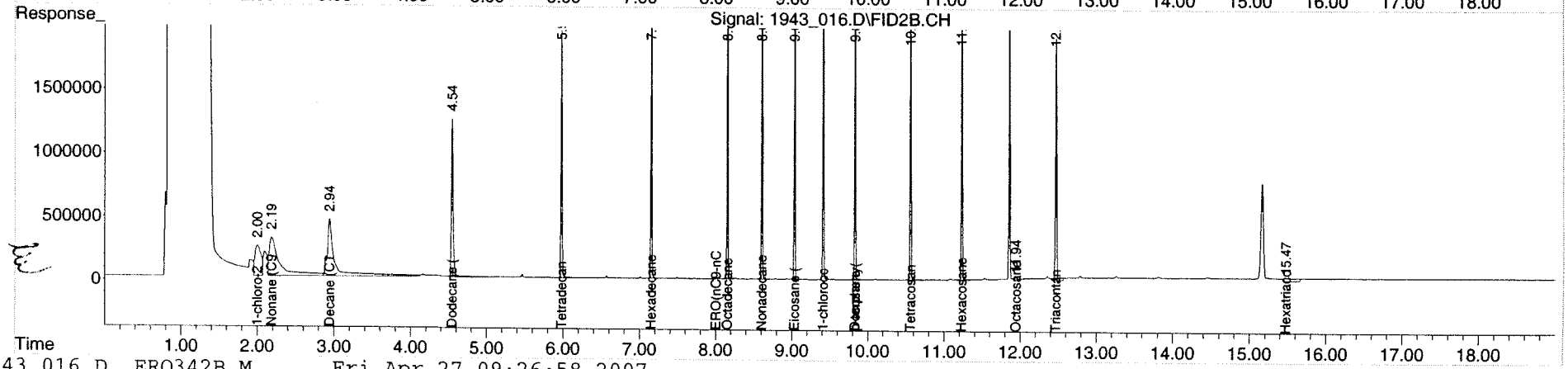
Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID1A.CH Vial: 16
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID2B.CH Vial: 16
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID1A.CH Vial: 17
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID2B.CH Vial: 17
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:27:01 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	2.15	2.00	13766976	28334082	18.474	13.206 #
Spiked Amount 10.000			Recovery	=	184.74%	132.06%
2) S 1-chlorooctadeca	9.72	9.41	31754558	35822089	28.031	28.347
Spiked Amount 20.000			Recovery	=	140.15%	141.74%
3) S p-terphenyl	10.15	9.83	29370164	32346056	15.137	15.207
Spiked Amount 10.000			Recovery	=	151.37%	152.07%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	351.7E6	402.1E6	128.244	127.042
5) M Nonane (C9)	2.38	2.19	18695841	44481703	12.767	5.525 #
6) M Decane (C10)	3.17	2.94	28434365	53071971	8.676	5.883 #
7) M Dodecane (C12)	4.81	4.54	27136976	35007095	9.898	9.290
8) M Tetradecane (C14	6.25	5.98	27844418	32032484	9.755	10.001
9) M Hexadecane (C16)	7.44	7.15	28281853	31551472	9.760	9.910
10) M Octadecane (C18)	8.45	8.15	29500613	32124437	9.733	9.811
11) M Nonadecane (C19)	8.91	8.60	28984986	32197832	9.735	9.870
12) M Eicosane (C20)	9.34	9.03	29060787	32277062	9.772	9.908
13) M Docosane (C22)	10.15	9.83	29370164	32346056	9.759	9.712
14) M Tetracosane (C24	10.90	10.56	28967302	32254272	9.657	9.763
15) M Hexacosane (C26)	11.58	11.23	28744052	32129205	9.811	9.907
16) M Octacosane (C28)	12.23	11.94	27592720	793374	9.100	0.413 #
17) M Triacontane (C30	12.92	12.47	26252207	33377426	9.492	9.749
18) M Hexatriacontane	16.30	15.47	19832692	2653976	8.869	3.314 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

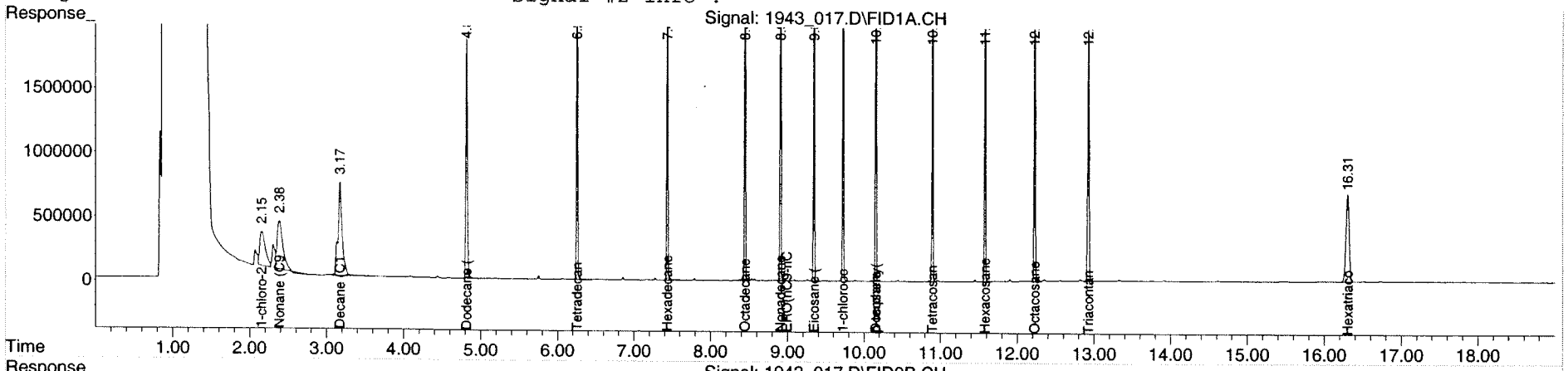
Quantitation Report (Not Reviewed)

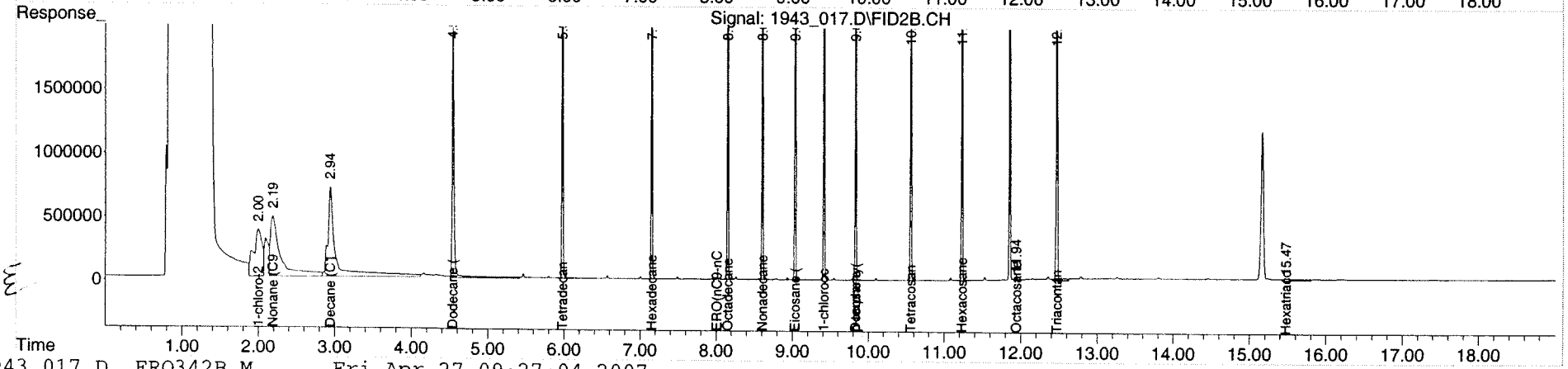
Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID1A.CH Vial: 17
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID2B.CH Vial: 17
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:27 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID1A.CH Vial: 18
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID2B.CH Vial: 18
Acq On : 27 Apr 2007 4:23 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:27:06 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	19952554	24492380	26.775	11.415	#
	Spiked Amount 10.000			Recovery	=	267.75%	114.15%	
2)	S 1-chlorooctadeca	9.72	9.41	43734913	48610137	38.606	38.466	
	Spiked Amount 20.000			Recovery	=	193.03%	192.33%	
3)	S p-terphenyl	10.16	9.83	49086307	53632755	25.299	25.214	
	Spiked Amount 10.000			Recovery	=	252.99%	252.14%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	569.3E6	629.5E6	207.628	198.900	
5)	M Nonane (C9)	2.38	2.19	32973707	54644834	22.518	6.787	#
6)	M Decane (C10)	3.17	2.94	46957165	64543750	14.327	7.155	#
7)	M Dodecane (C12)	4.81	4.54	45668991	51685651	16.657	13.716	
8)	M Tetradecane (C14	6.25	5.98	46734610	51807660	16.372	16.175	
9)	M Hexadecane (C16)	7.44	7.15	47468217	52249459	16.381	16.412	
10)	M Octadecane (C18)	8.45	8.15	49144759	53351376	16.214	16.294	
11)	M Nonadecane (C19)	8.91	8.61	48534654	53325521	16.301	16.346	
12)	M Eicosane (C20)	9.34	9.04	48687808	53414351	16.372	16.397	
13)	M Docosane (C22)	10.16	9.83	49086307	53632755	16.310	16.103	
14)	M Tetracosane (C24	10.90	10.56	48538727	53187808	16.182	16.099	
15)	M Hexacosane (C26)	11.58	11.23	48134500	53498766	16.430	16.497	
16)	M Octacosane (C28)	12.23	11.94	47210379	726944	15.571	0.379	#
17)	M Triacontane (C30	12.93	12.47	44729718	54228507	16.174	15.840	
18)	M Hexatriacontane	16.31	15.47	34418046	1299185	15.391	1.622	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

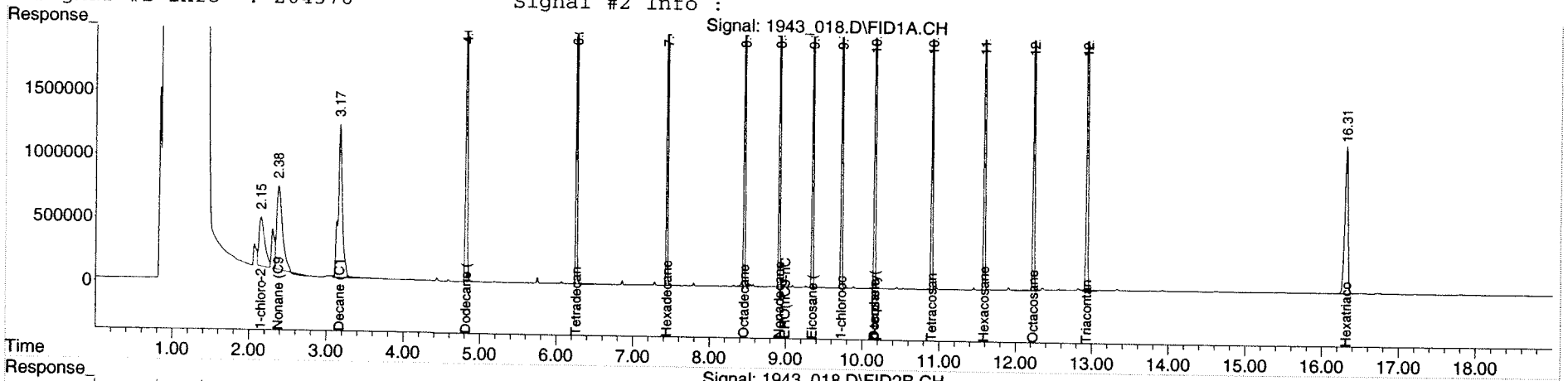
Quantitation Report (Not Reviewed)

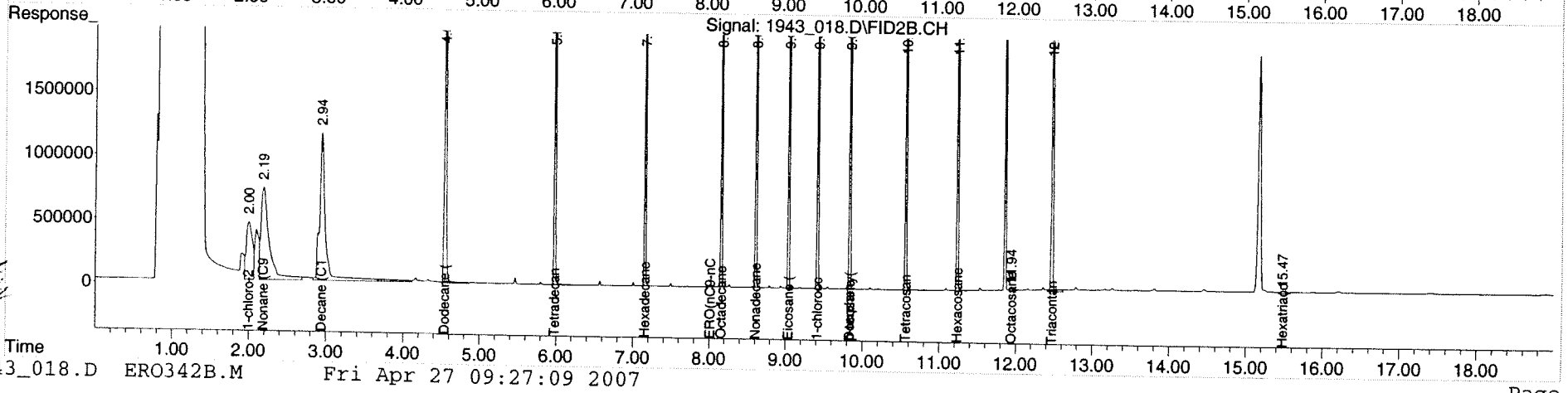
Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID1A.CH Vial: 18
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID2B.CH Vial: 18
Acq On : 27 Apr 2007 4:23 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:27 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Response Factor Report Instrumen

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007

Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	3.867	6.272	6.937	8.481	9.178	9.976	7.452	E5	29.96
2)	S	1-chlorooctadeca	1.269	1.254	1.071	1.051	1.058	1.093	1.133	E6	8.91
3)	S	p-terphenyl	0.262	0.594	1.013	1.927	2.937	4.909	1.940	E6	90.14
4)	H,T	ERO(nC9-nC36)	3.251	3.344	2.752	2.487	2.347	2.272	2.742	E6	16.82
5)	M	Nonane (C9)	0.845	1.488	1.299	1.564	1.747	1.842	1.464	E6	24.50
6)	M	Decane (C10)	5.168	3.713	2.871	2.632	2.657	2.623	3.277	E6	30.99
7)	M	Dodecane (C12)	3.296	3.011	2.566	2.490	2.536	2.551	2.742	E6	12.12
8)	M	Tetradecane (C14	3.524	3.159	2.655	2.576	2.602	2.611	2.855	E6	13.85
9)	M	Hexadecane (C16)	3.597	3.178	2.699	2.616	2.643	2.652	2.898	E6	13.90
10)	M	Octadecane (C18)	3.817	3.318	2.822	2.726	2.757	2.746	3.031	E6	14.71
11)	M	Nonadecane (C19)	3.713	3.268	2.777	2.685	2.709	2.711	2.977	E6	14.21
12)	M	Eicosane (C20)	3.676	3.266	2.776	2.690	2.716	2.720	2.974	E6	13.69
13)	M	Docosane (C22)	3.742	3.300	2.814	2.714	2.745	2.742	3.010	E6	14.00
14)	M	Tetracosane (C24	3.868	3.262	2.769	2.679	2.707	2.712	3.000	E6	15.97
15)	M	Hexacosane (C26)	3.517	3.236	2.767	2.682	2.686	2.689	2.930	E6	12.25
16)	M	Octacosane (C28)	3.745	3.615	2.915	2.702	2.579	2.637	3.032	E6	17.02
17)	M	Triacontane (C30	3.329	3.119	2.672	2.521	2.453	2.499	2.766	E6	13.32
18)	M	Hexatriacontane	2.523	2.888	2.240	1.990	1.854	1.923	2.236	E6	18.02

Signal #2 Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	4.001	2.719	1.729	1.311	1.889	1.225	2.146	E6	49.13
2)	S	1-chlorooctadeca	1.427	1.366	1.203	1.177	1.194	1.215	1.264	E6	8.32
3)	S	p-terphenyl	0.305	0.639	1.109	2.112	3.235	5.363	2.127	E6	89.87
4)	H,T	ERO(nC9-nC36)	3.842	3.885	3.293	2.774	2.684	2.512	3.165	E6	18.97
5)	M	Nonane (C9)	2.093	0.982	0.616	0.418	0.416	0.305	0.805	E7	83.83
6)	M	Decane (C10)	2.287	1.090	0.709	0.471	0.496	0.361	0.902	E7	80.46
7)	M	Dodecane (C12)	5.301	4.578	3.540	3.031	3.272	2.887	3.768	E6	25.53
8)	M	Tetradecane (C14	3.946	3.507	2.995	2.881	2.994	2.894	3.203	E6	13.47
9)	M	Hexadecane (C16)	3.909	3.443	2.982	2.900	2.949	2.919	3.184	E6	12.87
10)	M	Octadecane (C18)	4.060	3.529	3.104	2.971	3.002	2.981	3.274	E6	13.41
11)	M	Nonadecane (C19)	4.051	3.513	3.057	2.965	3.009	2.979	3.262	E6	13.43
12)	M	Eicosane (C20)	4.011	3.513	3.058	2.964	3.017	2.984	3.258	E6	12.96
13)	M	Docosane (C22)	4.360	3.550	3.080	2.974	3.023	2.996	3.331	E6	16.46
14)	M	Tetracosane (C24	4.287	3.504	3.063	2.983	3.014	2.971	3.304	E6	15.80
15)	M	Hexacosane (C26)	3.918	3.504	3.050	2.995	3.003	2.989	3.243	E6	11.90
16)	M	Octacosane (C28)	3.935	4.064	3.298	0.109	0.074	0.041	1.920	E6	106.15
17)	M	Triacontane (C30	4.038	3.952	3.265	3.136	3.119	3.030	3.424	E6	13.15
18)	M	Hexatriacontane	3.228	0.562	0.313	0.382	0.248	0.073	0.801	E6	149.81

(#) = Out of Range

ERO342B.M Fri May 04 08:16:59 2007

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1959\1959_003.D\FID1A.CH Vial: 3
Acq On : 03 May 2007 9:14 pm Operator: HP Demo
Sample : C634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_003.D\FID2B.CH Vial: 3
Acq On : 03 May 2007 9:40 pm Operator: HP Demo
Sample : C634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	856.143	E3	-14.9	101	0.00
2	S	1-chlorooctadecane	1.133	1.065	E6	6.0	101	0.00
3	S	p-terphenyl	1940.275	1881.539	E3	3.0	98	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.413	E6	12.0✓	97	0.00
5	M	Nonane (C9)	1464.350	1209.236	E3	17.4#	77	0.00
6	M	Decane (C10)	3.277	3.064	E6	6.5	116	0.00
7	M	Dodecane (C12)	2.742	2.493	E6	9.1	100	0.00
8	M	Tetradecane (C14)	2.855	2.565	E6	10.2	100	0.00
9	M	Hexadecane (C16)	2.898	2.600	E6	10.3	99	0.00
10	M	Octadecane (C18)	3.031	2.646	E6	12.7	97	0.00
11	M	Nonadecane (C19)	2.977	2.634	E6	11.5	98	0.00
12	M	Eicosane (C20)	2.974	2.658	E6	10.6	99	0.00
13	M	Docosane (C22)	3.010	2.650	E6	12.0	98	0.00
14	M	Tetracosane (C24)	3.000	2.641	E6	12.0	99	0.00
15	M	Hexacosane (C26)	2.930	2.618	E6	10.6	98	0.00
16	M	Octacosane (C28)	3.032	2.563	E6	15.5#	95	0.00
17	M	Triacontane (C30)	2.766	2.556	E6	7.6	101	0.00
18	M	Hexatriacontane (C36)	2.236	1.806	E6	19.2#	91	-0.02

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.830	E6	14.7	140	0.00
2	S	1-chlorooctadecane	1.264	1.257	E6	0.6	107	-0.02
3	S	p-terphenyl	2127.112	2244.979	E3	-5.5	106	-0.02
4	H,T	ERO(nC9-nC36)	3.165	2.611	E6	17.5#	94	0.00
5	M	Nonane (C9)	8.051	6.621	E6	17.8#	158#	0.00
6	M	Decane (C10)	9.021	7.408	E6	17.9#	157#	0.00
7	M	Dodecane (C12)	3.768	3.723	E6	1.2	123	-0.01
8	M	Tetradecane (C14)	3.203	3.130	E6	2.3	109	-0.01
9	M	Hexadecane (C16)	3.184	3.072	E6	3.5	106	-0.01
10	M	Octadecane (C18)	3.274	3.115	E6	4.9	105	-0.01
11	M	Nonadecane (C19)	3.262	3.114	E6	4.5	105	-0.01
12	M	Eicosane (C20)	3.258	3.113	E6	4.5	105	-0.02
13	M	Docosane (C22)	3.331	3.162	E6	5.1	106	-0.02
14	M	Tetracosane (C24)	3.304	3.164	E6	4.2	106	-0.02
15	M	Hexacosane (C26)	3.243	3.102	E6	4.3	104	-0.02
16	M	Octacosane (C28)	1.920	0.114	E6	94.1#	104	-0.02
17	M	Triacontane (C30)	3.424	2.930	E6	14.4	93	-0.02
18	M	Hexatriacontane (C36)	0.801	0.138	E6	82.8#	36#	-0.06

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1959\1959_020.D\FID1A.CH Vial: 20
Acq On : 04 May 2007 4:27 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_020.D\FID2B.CH Vial: 20
Acq On : 04 May 2007 4:53 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	853.547 E3	-14.5	101	0.00
2	S	1-chlorooctadecane	1.133	1.073 E6	5.3	102	0.00
3	S	p-terphenyl	1940.275	1894.790 E3	2.3	98	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.491 E6	9.2✓	100	0.00
5	M	Nonane (C9)	1464.350	1216.344 E3	16.9#	78	0.00
6	M	Decane (C10)	3.277	3.079 E6	6.0	117	0.00
7	M	Dodecane (C12)	2.742	2.527 E6	7.8	101	0.00
8	M	Tetradecane (C14)	2.855	2.586 E6	9.4	100	0.00
9	M	Hexadecane (C16)	2.898	2.625 E6	9.4	100	0.00
10	M	Octadecane (C18)	3.031	2.671 E6	11.9	98	0.00
11	M	Nonadecane (C19)	2.977	2.663 E6	10.5	99	0.00
12	M	Eicosane (C20)	2.974	2.683 E6	9.8	100	0.00
13	M	Docosane (C22)	3.010	2.669 E6	11.3	98	0.00
14	M	Tetracosane (C24)	3.000	2.627 E6	12.4	98	0.00
15	M	Hexacosane (C26)	2.930	2.627 E6	10.3	98	0.00
16	M	Octacosane (C28)	3.032	2.601 E6	14.2	96	0.00
17	M	Triacontane (C30)	2.766	2.524 E6	8.7	100	0.00
18	M	Hexatriacontane (C36)	2.236	1.751 E6	21.7#	88	-0.02

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.677 E6	21.9#	128	0.00
2	S	1-chlorooctadecane	1.264	1.210 E6	4.3	103	-0.02
3	S	p-terphenyl	2127.112	2169.857 E3	-2.0	103	-0.02
4	H,T	ERO(nC9-nC36)	3.165	2.709 E6	14.4	98	0.00
5	M	Nonane (C9)	8.051	5.902 E6	26.7#	141	0.00
6	M	Decane (C10)	9.021	6.724 E6	25.5#	143	0.00
7	M	Dodecane (C12)	3.768	3.590 E6	4.7	118	-0.01
8	M	Tetradecane (C14)	3.203	3.038 E6	5.2	105	-0.01
9	M	Hexadecane (C16)	3.184	2.979 E6	6.4	103	-0.01
10	M	Octadecane (C18)	3.274	3.019 E6	7.8	102	-0.01
11	M	Nonadecane (C19)	3.262	2.991 E6	8.3	101	-0.01
12	M	Eicosane (C20)	3.258	3.003 E6	7.8	101	-0.02
13	M	Docosane (C22)	3.331	3.056 E6	8.3	103	-0.02
14	M	Tetracosane (C24)	3.304	3.054 E6	7.6	102	-0.02
15	M	Hexacosane (C26)	3.243	2.985 E6	8.0	100	-0.02
16	M	Octacosane (C28)	1.920	0.213 E6	88.9#	195#	-0.02
17	M	Triacontane (C30)	3.424	2.839 E6	17.1#	91	-0.02
18	M	Hexatriacontane (C36)	0.801	0.315 E6	60.7#	82	-0.06

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1959\1959_033.D\FID1A.CH Vial: 33
Acq On : 04 May 2007 10:03 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_033.D\FID2B.CH Vial: 33
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	865.855	E3	-16.2#	102	0.00
2	S	1-chlorooctadecane	1.133	1.085	E6	4.2	103	0.00
3	S	p-terphenyl	1940.275	1917.798	E3	1.2	100	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.517	E6	8.2	101	0.00
5	M	Nonane (C9)	1464.350	1203.533	E3	17.8#	77	0.00
6	M	Decane (C10)	3.277	2.994	E6	8.6	114	0.00
7	M	Dodecane (C12)	2.742	2.548	E6	7.1	102	0.00
8	M	Tetradecane (C14)	2.855	2.612	E6	8.5	101	0.00
9	M	Hexadecane (C16)	2.898	2.655	E6	8.4	101	0.00
10	M	Octadecane (C18)	3.031	2.698	E6	11.0	99	0.00
11	M	Nonadecane (C19)	2.977	2.694	E6	9.5	100	0.00
12	M	Eicosane (C20)	2.974	2.697	E6	9.3	100	0.00
13	M	Docosane (C22)	3.010	2.701	E6	10.3	100	0.00
14	M	Tetracosane (C24)	3.000	2.713	E6	9.6	101	0.00
15	M	Hexacosane (C26)	2.930	2.661	E6	9.2	99	0.00
16	M	Octacosane (C28)	3.032	2.625	E6	13.4	97	0.00
17	M	Triacontane (C30)	2.766	2.579	E6	6.8	102	0.00
18	M	Hexatriacontane (C36)	2.236	1.858	E6	16.9#	93	-0.02

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.763	E6	17.8#	134	0.00
2	S	1-chlorooctadecane	1.264	1.265	E6	-0.1	107	-0.02
3	S	p-terphenyl	2127.112	2301.487	E3	-8.2	109	-0.02
4	H,T	ERO(nC9-nC36)	3.165	2.921	E6	7.7	105	0.00
5	M	Nonane (C9)	8.051	6.610	E6	17.9#	158#	0.00
6	M	Decane (C10)	9.021	7.350	E6	18.5#	156#	0.00
7	M	Dodecane (C12)	3.768	3.721	E6	1.2	123	-0.01
8	M	Tetradecane (C14)	3.203	3.124	E6	2.5	108	-0.01
9	M	Hexadecane (C16)	3.184	3.105	E6	2.5	107	-0.01
10	M	Octadecane (C18)	3.274	3.157	E6	3.6	106	-0.02
11	M	Nonadecane (C19)	3.262	3.119	E6	4.4	105	-0.02
12	M	Eicosane (C20)	3.258	3.134	E6	3.8	106	-0.02
13	M	Docosane (C22)	3.331	3.242	E6	2.7	109	-0.02
14	M	Tetracosane (C24)	3.304	3.224	E6	2.4	108	-0.02
15	M	Hexacosane (C26)	3.243	3.114	E6	4.0	104	-0.02
16	M	Octacosane (C28)	1.920	0.233	E6	87.9#	212#	-0.02
17	M	Triacontane (C30)	3.424	2.963	E6	13.5	94	-0.03
18	M	Hexatriacontane (C36)	0.801	0.284	E6	64.5#	74	-0.06

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1959\1959_042.D\FID1A.CH Vial: 42
Acq On : 04 May 2007 1:53 pm Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_042.D\FID2B.CH Vial: 42
Acq On : 04 May 2007 2:18 pm Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	845.812	E3	-13.5	100	0.00
2	S	1-chlorooctadecane	1.133	1.081	E6	4.6	103	0.00
3	S	p-terphenyl	1940.275	1913.179	E3	1.4	99	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.442	E6	10.9	98	0.00
5	M	Nonane (C9)	1464.350	1197.636	E3	18.2#	77	0.00
6	M	Decane (C10)	3.277	2.983	E6	9.0	113	0.00
7	M	Dodecane (C12)	2.742	2.549	E6	7.0	102	0.00
8	M	Tetradecane (C14)	2.855	2.615	E6	8.4	102	0.00
9	M	Hexadecane (C16)	2.898	2.657	E6	8.3	102	0.00
10	M	Octadecane (C18)	3.031	2.697	E6	11.0	99	0.00
11	M	Nonadecane (C19)	2.977	2.690	E6	9.6	100	0.00
12	M	Eicosane (C20)	2.974	2.693	E6	9.4	100	0.00
13	M	Docosane (C22)	3.010	2.695	E6	10.5	99	0.00
14	M	Tetracosane (C24)	3.000	2.648	E6	11.7	99	0.00
15	M	Hexacosane (C26)	2.930	2.653	E6	9.5	99	0.00
16	M	Octacosane (C28)	3.032	2.585	E6	14.7	96	0.00
17	M	Triacontane (C30)	2.766	2.452	E6	11.4	97	0.00
18	M	Hexatriacontane (C36)	2.236	1.737	E6	22.3#	87	-0.02

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	3.058	E6	-42.5#	233#	0.00
2	S	1-chlorooctadecane	1.264	1.228	E6	2.8	104	-0.02
3	S	p-terphenyl	2127.112	2220.617	E3	-4.4	105	-0.02
4	H,T	ERO(nC9-nC36)	3.165	2.723	E6	14.0	98	0.00
5	M	Nonane (C9)	8.051	5.346	E6	33.6#	128	0.00
6	M	Decane (C10)	9.021	6.208	E6	31.2#	132	0.00
7	M	Dodecane (C12)	3.768	3.547	E6	5.9	117	-0.01
8	M	Tetradecane (C14)	3.203	3.142	E6	1.9	109	-0.01
9	M	Hexadecane (C16)	3.184	3.022	E6	5.1	104	-0.01
10	M	Octadecane (C18)	3.274	3.068	E6	6.3	103	-0.02
11	M	Nonadecane (C19)	3.262	3.053	E6	6.4	103	-0.02
12	M	Eicosane (C20)	3.258	3.054	E6	6.3	103	-0.02
13	M	Docosane (C22)	3.331	3.128	E6	6.1	105	-0.02
14	M	Tetracosane (C24)	3.304	3.180	E6	3.8	107	-0.02
15	M	Hexacosane (C26)	3.243	3.051	E6	5.9	102	-0.02
16	M	Octacosane (C28)	1.920	0.217	E6	88.7#	198#	-0.02
17	M	Triacontane (C30)	3.424	2.826	E6	17.5#	90	-0.03
18	M	Hexatriacontane (C36)	0.801	0.554	E6	30.8#	145	-0.06

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_001.D\FID1A.CH Vial: 1
Acq On : 03 May 2007 8:24 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_001.D\FID2B.CH Vial: 1
Acq On : 03 May 2007 8:49 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:09 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000			Recovery	=	0.00%	0.00%	
3)	S p-terphenyl	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	14834106	20682796	5.410	6.535	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	0.00	0.00	0	0	N.D.	N.D.	
14)	M Tetracosane (C24	11.20f	0.00	426890	0	0.142	N.D.	#
15)	M Hexacosane (C26)	11.45	11.51f	356441	935611	0.122	0.289	#
16)	M Octacosane (C28)	12.19	11.92	534744	961193	0.176	0.501	#
17)	M Triacontane (C30	12.91	12.44	916923	1139468	0.332	0.333	
18)	M Hexatriacontane	0.00	15.41	0	752987	N.D.	0.940	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

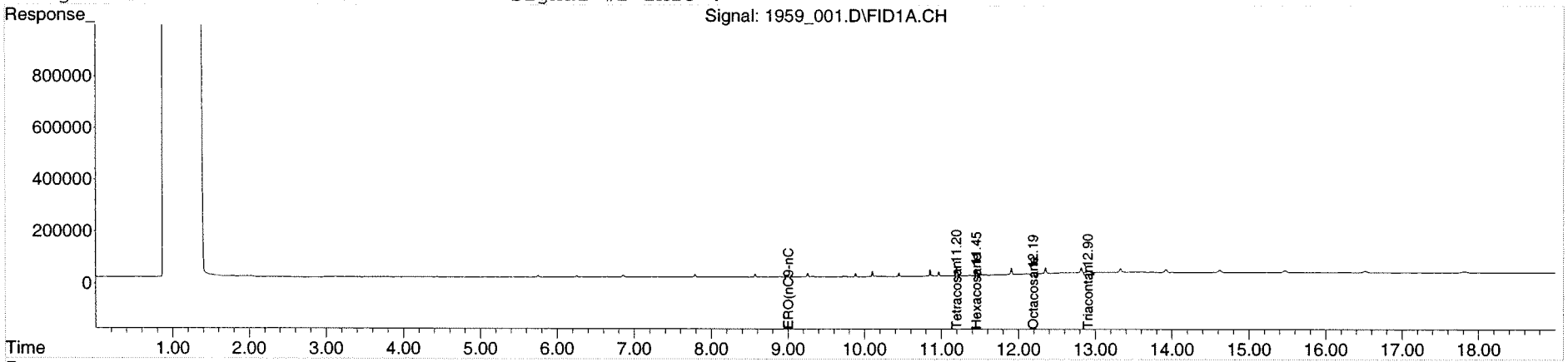
Quantitation Report (Not Reviewed)

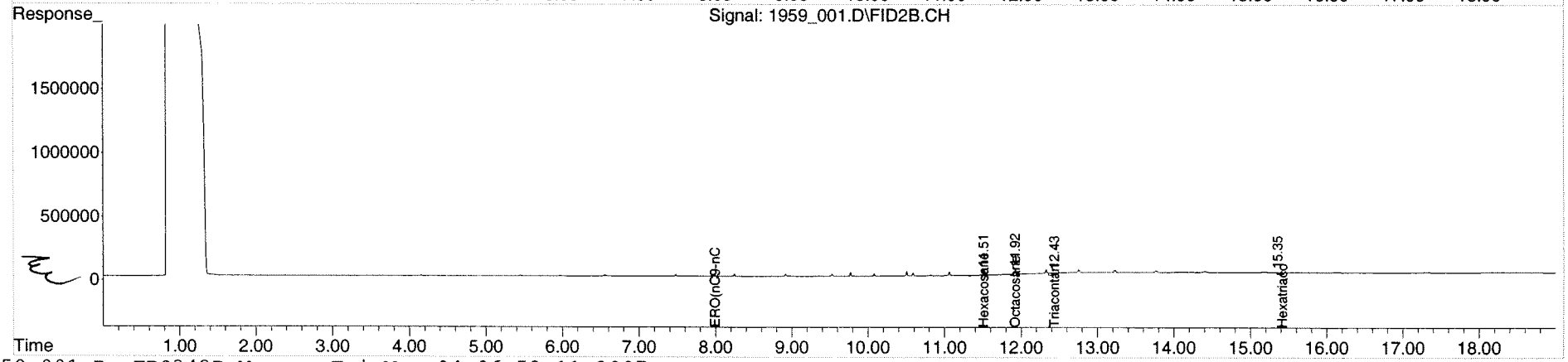
Data File : C:\MSDCHEM\1\DATA\1959\1959_001.D\FID1A.CH Vial: 1
Acq On : 03 May 2007 8:24 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_001.D\FID2B.CH Vial: 1
Acq On : 03 May 2007 8:49 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_002.D\FID1A.CH Vial: 2
Acq On : 03 May 2007 8:49 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_002.D\FID2B.CH Vial: 2
Acq On : 03 May 2007 9:14 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:12 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	2.15	2.00	19034218	25180064	25.543	11.736	#
Spiked Amount 10.000			Recovery	=	255.43%	117.36%	
2) S 1-chlorooctadeca	9.72	9.40	42500702	47745539	37.517	37.782	
Spiked Amount 20.000			Recovery	=	187.59%	188.91%	
3) S p-terphenyl	10.15	9.81	46931918	53038710	24.188	24.935	
Spiked Amount 10.000			Recovery	=	241.88%	249.35%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	573.4E6	615.6E6	209.098	194.506	
5) M Nonane (C9)	2.38	2.19	30535506	58316415	20.853	7.244	#
6) M Decane (C10)	3.17	2.94	44312925	69991176	13.521	7.759	#
7) M Dodecane (C12)	4.81	4.53	44019684	51818190	16.055	13.752	
8) M Tetradecane (C14	6.25	5.97	45163499	51396354	15.822	16.047	
9) M Hexadecane (C16)	7.43	7.14	45801110	51384102	15.806	16.140	
10) M Octadecane (C18)	8.44	8.14	46615639	52241865	15.380	15.955	
11) M Nonadecane (C19)	8.90	8.59	46748780	52187973	15.701	15.998	
12) M Eicosane (C20)	9.34	9.02	46839523	52310327	15.751	16.058	
13) M Docosane (C22)	10.15	9.81	46931918	53038710	15.595	15.925	
14) M Tetracosane (C24	10.89	10.54	46590778	52630700	15.533	15.930	
15) M Hexacosane (C26)	11.58	11.21	45829095	52266815	15.643	16.117	
16) M Octacosane (C28)	12.22	11.92	45192766	1274234	14.905	0.664	#
17) M Triacontane (C30	12.92	12.44	43524870	48941413	15.738	14.296	
18) M Hexatriacontane	16.30	15.41	31566702	2831354	14.116	3.535	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

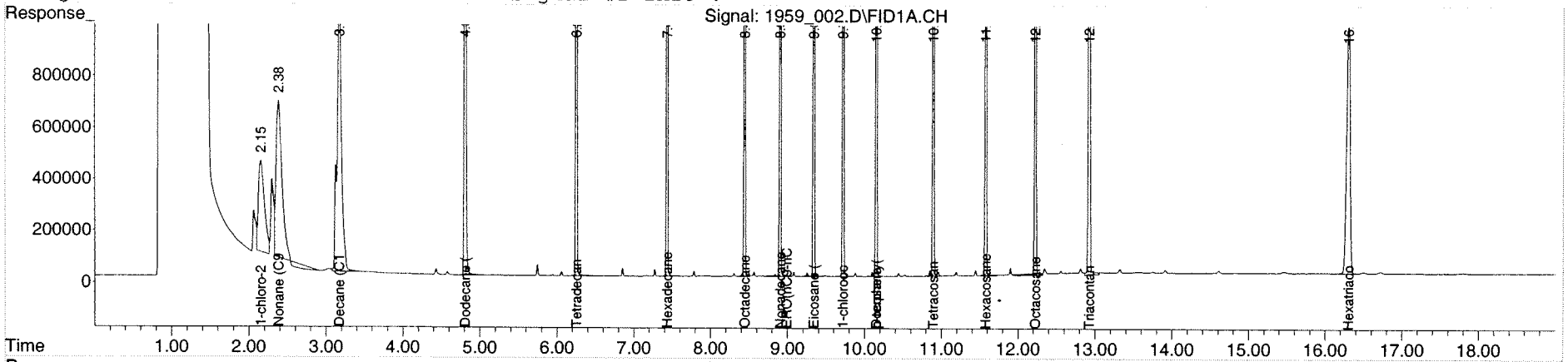
Quantitation Report (Not Reviewed)

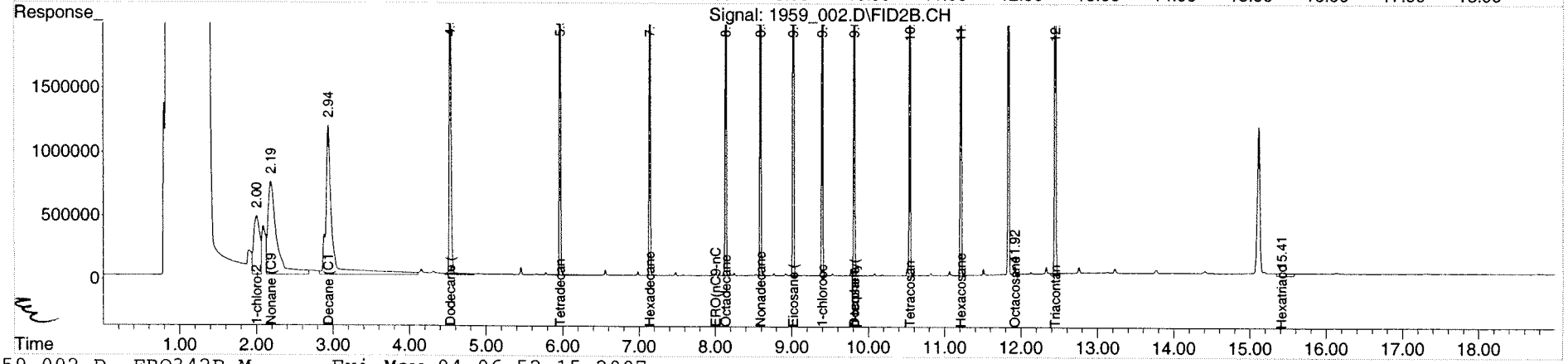
Data File : C:\MSDCHEM\1\DATA\1959\1959_002.D\FID1A.CH Vial: 2
Acq On : 03 May 2007 8:49 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_002.D\FID2B.CH Vial: 2
Acq On : 03 May 2007 9:14 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_003.D\FID1A.CH Vial: 3
Acq On : 03 May 2007 9:14 pm Operator: HP Demo
Sample : C634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_003.D\FID2B.CH Vial: 3
Acq On : 03 May 2007 9:40 pm Operator: HP Demo
Sample : C634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:16 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	2.16	2.00	8561431	18298990	11.489	8.529	#
Spiked Amount 10.000			Recovery	=	114.89%	85.29%	
2) S 1-chlorooctadeca	9.72	9.39	21296229	25141710	18.799	19.895	
Spiked Amount 20.000			Recovery	=	93.99%	99.48%	
3) S p-terphenyl	10.15	9.81	18815390	22449788	9.697	10.554	
Spiked Amount 10.000			Recovery	=	96.97%	105.54%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	239.9E6	259.5E6	87.484	81.988	
5) M Nonane (C9)	2.38	2.19	8585575	47012566	5.863	5.839	
6) M Decane (C10)	3.17	2.94	21756105	52598371	6.638	5.831	
7) M Dodecane (C12)	4.81	4.53	17698997	26436393	6.455	7.016	
8) M Tetradecane (C14	6.25	5.96	18208116	22223922	6.379	6.939	
9) M Hexadecane (C16)	7.43	7.14	18457155	21814080	6.370	6.852	
10) M Octadecane (C18)	8.44	8.14	18783908	22113690	6.197	6.754	
11) M Nonadecane (C19)	8.90	8.59	18698464	22110774	6.280	6.778	
12) M Eicosane (C20)	9.34	9.02	18873580	22101481	6.347	6.784	
13) M Docosane (C22)	10.15	9.81	18815390	22449788	6.252	6.740	
14) M Tetracosane (C24	10.89	10.54	18753324	22467944	6.252	6.800	
15) M Hexacosane (C26)	11.58	11.21	18589011	22022811	6.345	6.791	
16) M Octacosane (C28)	12.22	11.92	18196224	810893	6.001	0.422	#
17) M Triacontane (C30	12.92	12.44	18149500	20800917	6.563	6.076	
18) M Hexatriacontane	16.29	15.41	12822259	977444	5.734	1.220	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

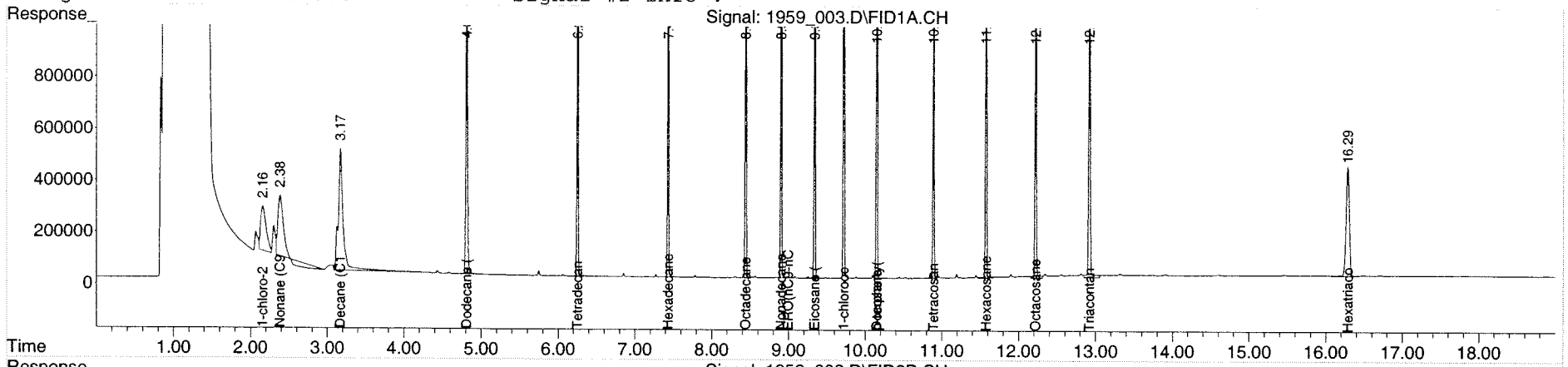
Quantitation Report (Not Reviewed)

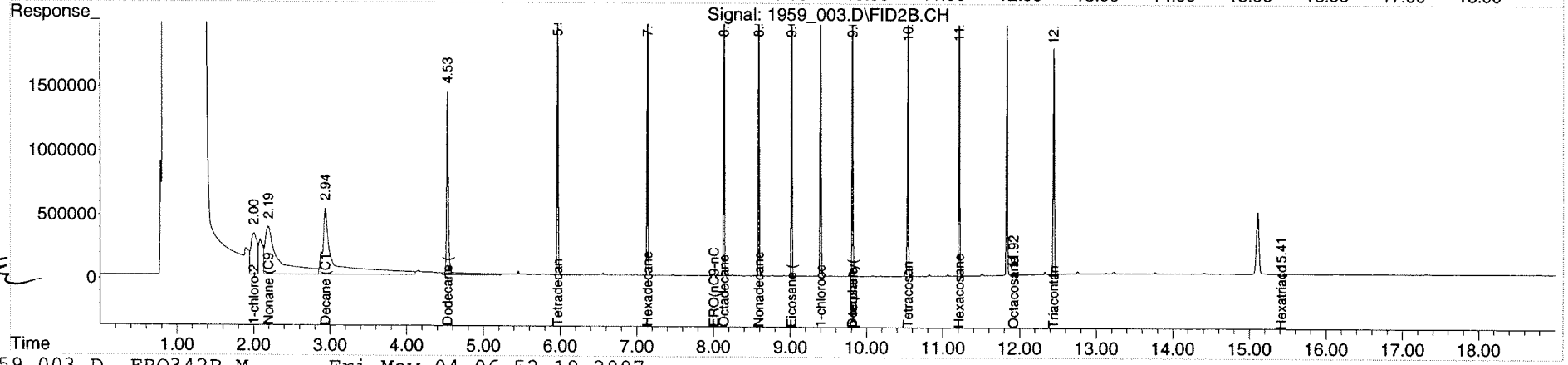
Data File : C:\MSDCHEM\1\DATA\1959\1959_003.D\FID1A.CH Vial: 3
Acq On : 03 May 2007 9:14 pm Operator: HP Demo
Sample : C634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_003.D\FID2B.CH Vial: 3
Acq On : 03 May 2007 9:40 pm Operator: HP Demo
Sample : C634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_004.D\FID1A.CH Vial: 4
Acq On : 03 May 2007 9:40 pm Operator: HP Demo
Sample : BLA 579 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_004.D\FID2B.CH Vial: 4
Acq On : 03 May 2007 10:05 pm Operator: HP Demo
Sample : BLA 579 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:20 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	2.16	2.01	455536	54399044	0.611	25.354 #
Spiked Amount 10.000			Recovery	=	6.11%	253.54%
2) S 1-chlorooctadeca	9.72	9.39	20686570	23759750	18.261	18.802
Spiked Amount 20.000			Recovery	=	91.30%	94.01%
3) S p-terphenyl	10.10	9.39f	478704	23759750	0.247	11.170 #
Spiked Amount 10.000			Recovery	=	2.47%	111.70%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	25188662	22172563	9.186	7.006
5) M Nonane (C9)	2.16	2.01	455536	54399044	0.311	6.757 #
6) M Decane (C10)	3.04	3.00	4439888	33589404	1.355	3.724 #
7) M Dodecane (C12)	0.00	4.55	0	1821568	N.D.	0.483 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.
10) M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.
11) M Nonadecane (C19)	9.02	0.00	444034	0	0.149	N.D. #
12) M Eicosane (C20)	9.02f	9.39f	444034	23759750	0.149	7.294 #
13) M Docosane (C22)	10.10	9.39f	478704	23759750	0.159	7.134 #
14) M Tetracosane (C24	10.85	10.50	573924	765250	0.191	0.232
15) M Hexacosane (C26)	11.90f	0.00	597581	0	0.204	N.D. #
16) M Octacosane (C28)	12.21	11.91	1077963	1033922	0.356	0.538 #
17) M Triacontane (C30	12.91	12.44	1001749	968288	0.362	0.283
18) M Hexatriacontane	16.27	15.61	534841	798159	0.239	0.997 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

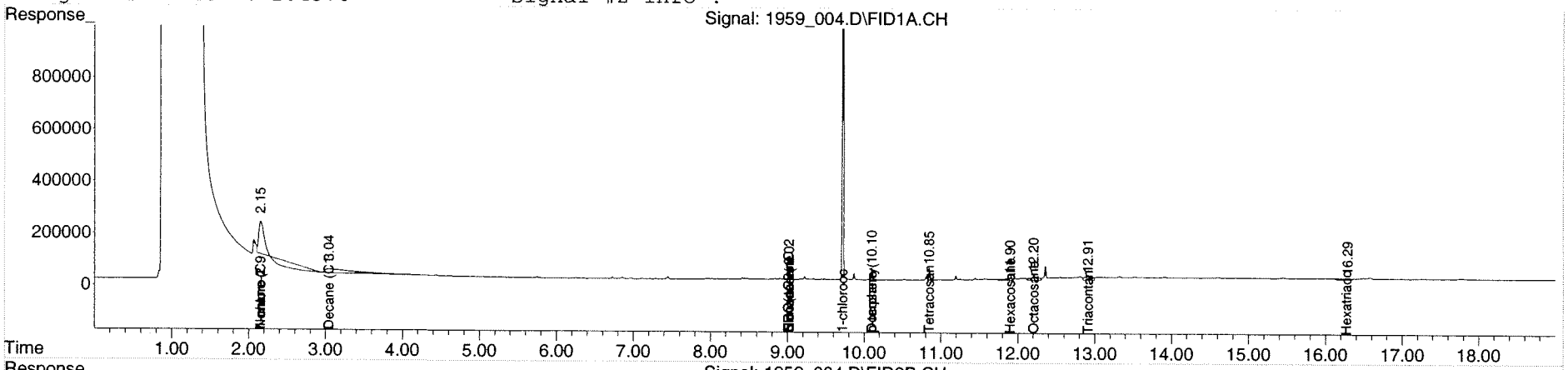
Quantitation Report (Not Reviewed)

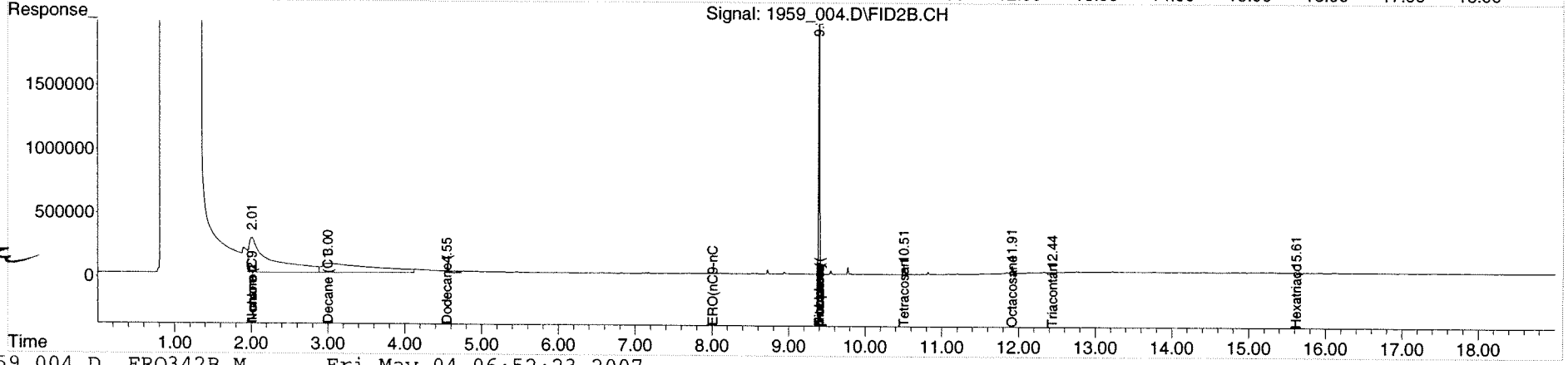
Data File : C:\MSDCHEM\1\DATA\1959\1959_004.D\FID1A.CH Vial: 4
Acq On : 03 May 2007 9:40 pm Operator: HP Demo
Sample : BLA 579 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_004.D\FID2B.CH Vial: 4
Acq On : 03 May 2007 10:05 pm Operator: HP Demo
Sample : BLA 579 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_005.D\FID1A.CH Vial: 5
Acq On : 03 May 2007 10:05 pm Operator: HP Demo
Sample : LCS 766 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_005.D\FID2B.CH Vial: 5
Acq On : 03 May 2007 10:31 pm Operator: HP Demo
Sample : LCS 766 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:24 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.16	2.01	7985737	16190249	10.716	7.546	#
	Spiked Amount 10.000			Recovery	=	107.16%	75.46%	
2)	S 1-chlorooctadeca	9.72	9.39	21052824	24856337	18.584	19.669	
	Spiked Amount 20.000			Recovery	=	92.92%	98.34%	
3)	S p-terphenyl	10.15	9.81	11925893	14670329	6.146	6.897	
	Spiked Amount 10.000			Recovery	=	61.46%	68.97%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	151.9E6	195.0E6	55.381	61.610	
5)	M Nonane (C9)	2.38	2.19	1989721	35808200	1.359	4.448	#
6)	M Decane (C10)	3.17	2.94	12050376	40923434	3.677	4.537	
7)	M Dodecane (C12)	4.81	4.53	11129756	17148497	4.059	4.551	
8)	M Tetradecane (C14	6.25	5.97	11426895	13833919	4.003	4.319	
9)	M Hexadecane (C16)	7.43	7.14	11786013	13940318	4.067	4.379	
10)	M Octadecane (C18)	8.44	8.14	12002889	14264288	3.960	4.357	
11)	M Nonadecane (C19)	8.90	8.59	11898358	13949417	3.996	4.276	
12)	M Eicosane (C20)	9.34	9.02	11911160	14031321	4.005	4.307	
13)	M Docosane (C22)	10.15	9.81	11925893	14670329	3.963	4.405	
14)	M Tetracosane (C24	10.89	10.54	11666235	15191746	3.889	4.598	
15)	M Hexacosane (C26)	11.57	11.21	11706243	13866994	3.996	4.276	
16)	M Octacosane (C28)	12.22	11.91	11985138	1229071	3.953	0.640	#
17)	M Triacontane (C30	12.92	12.44	11148412	13211814	4.031	3.859	
18)	M Hexatriacontane	16.28	15.41	5078677	1191866	2.271	1.488	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

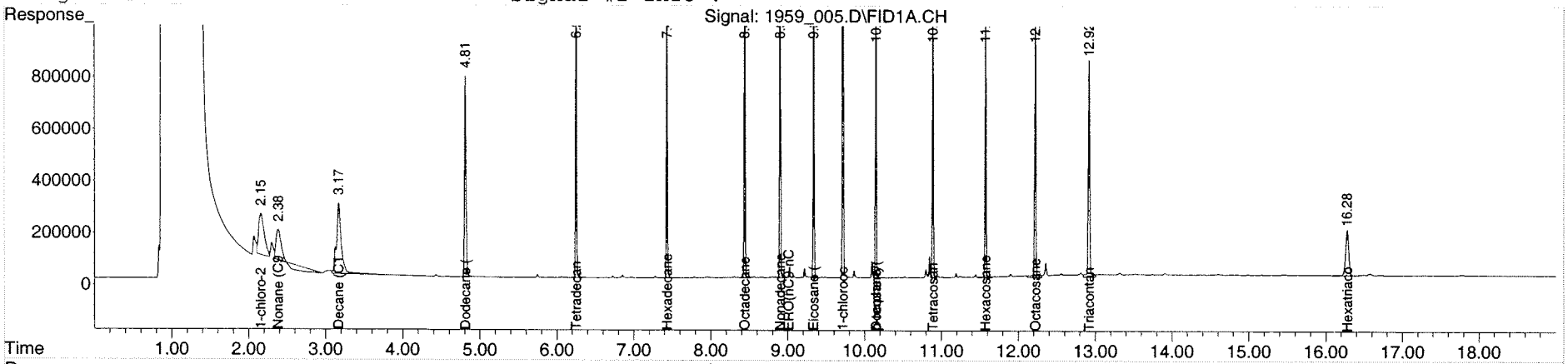
Quantitation Report (Not Reviewed)

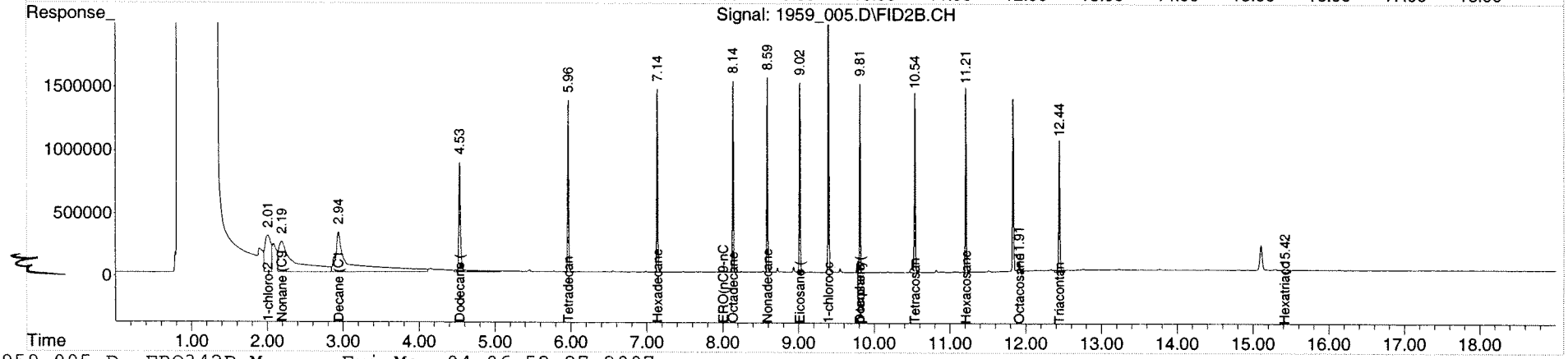
Data File : C:\MSDCHEM\1\DATA\1959\1959_005.D\FID1A.CH Vial: 5
Acq On : 03 May 2007 10:05 pm Operator: HP Demo
Sample : LCS 766 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_005.D\FID2B.CH Vial: 5
Acq On : 03 May 2007 10:31 pm Operator: HP Demo
Sample : LCS 766 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_006.D\FID1A.CH Vial: 6
Acq On : 03 May 2007 10:31 pm Operator: HP Demo
Sample : A768783 FID S1183 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_006.D\FID2B.CH Vial: 6
Acq On : 03 May 2007 10:56 pm Operator: HP Demo
Sample : A768783 FID S1183 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:28 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	2.16	2.01	637376	29222791	0.855	13.620	#
Spiked Amount 10.000			Recovery	=	8.55%	136.20%	
2) S 1-chlorooctadeca	9.72	9.39	34559440	33725821	30.507	26.688	
Spiked Amount 20.000			Recovery	=	152.54%	133.44%	
3) S p-terphenyl	10.15	9.81	5508616	5574259	2.839	2.621	
Spiked Amount 10.000			Recovery	=	28.39%	26.21%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	630.2E6	735.2E6	229.827	232.288	
5) M Nonane (C9)	2.16	2.01	637376	29222791	0.435	3.630	#
6) M Decane (C10)	3.19	3.02	3092985	15096244	0.944	1.673	#
7) M Dodecane (C12)	0.00	4.54	0	744141	N.D.	0.197	#
8) M Tetradecane (C14	6.25	0.00	442665	0	0.155	N.D.	#
9) M Hexadecane (C16)	7.43	7.14	1014722	988323	0.350	0.310	
10) M Octadecane (C18)	8.44	8.14	2224745	2204733	0.734	0.673	
11) M Nonadecane (C19)	8.90	8.53	2601423	2786111	0.874	0.854	
12) M Eicosane (C20)	9.38	9.06	6416947	9097867	2.158	2.793	#
13) M Docosane (C22)	10.15	9.81	5508616	5574259	1.830	1.674	
14) M Tetracosane (C24	10.89	10.59	13025298	13413000	4.342	4.060	
15) M Hexacosane (C26)	11.60	11.20	11410885	10661747	3.895	3.288	
16) M Octacosane (C28)	12.21	11.92	12445485	14083409	4.105	7.334	#
17) M Triacontane (C30	12.91	12.50	5634793	17255249	2.037	5.040	#
18) M Hexatriacontane	16.36	15.51	1430251	6318830	0.640	7.890	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

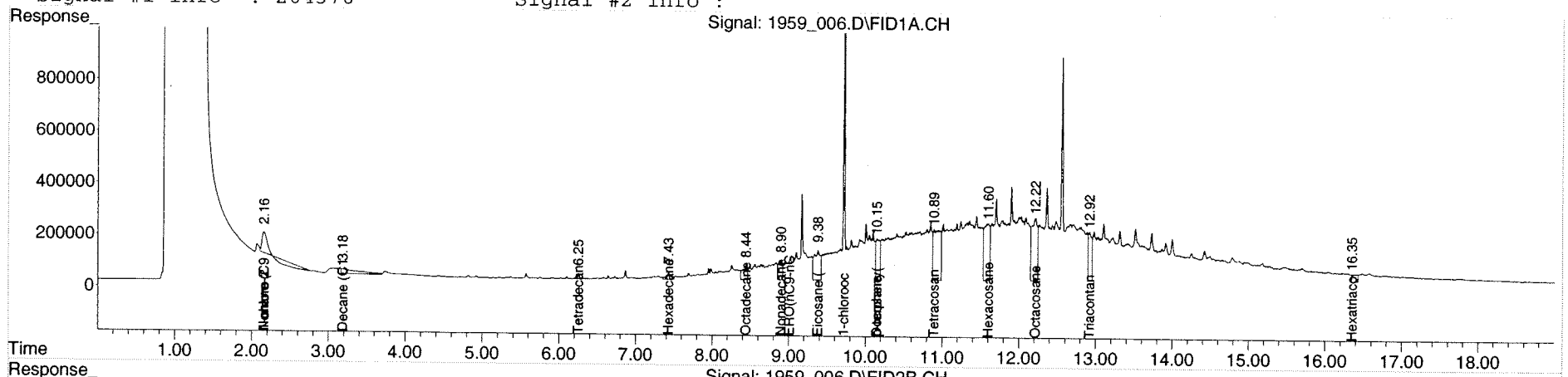
Quantitation Report (Not Reviewed)

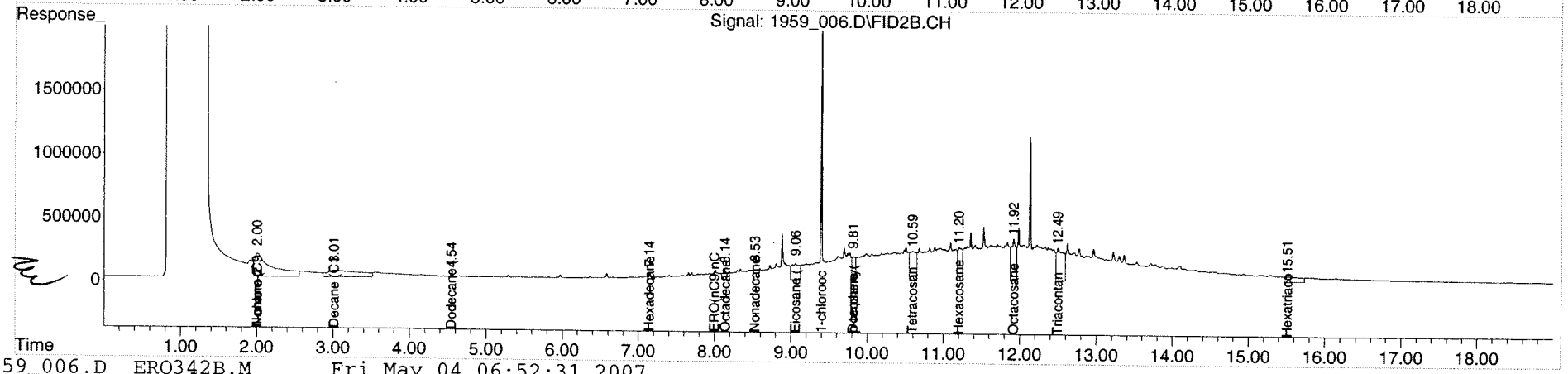
Data File : C:\MSDCHEM\1\DATA\1959\1959_006.D\FID1A.CH Vial: 6
Acq On : 03 May 2007 10:31 pm Operator: HP Demo
Sample : A768783 FID S1183 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_006.D\FID2B.CH Vial: 6
Acq On : 03 May 2007 10:56 pm Operator: HP Demo
Sample : A768783 FID S1183 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_007.D\FID1A.CH Vial: 7
Acq On : 03 May 2007 10:56 pm Operator: HP Demo
Sample : A768783 FID S1183 MS Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_007.D\FID2B.CH Vial: 7
Acq On : 03 May 2007 11:22 pm Operator: HP Demo
Sample : A768783 FID S1183 MS Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:32 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	2.16	2.00	7082434	19600378	9.504	9.135	
Spiked Amount 10.000			Recovery	=	95.04%	91.35%	
2) S 1-chlorooctadeca	9.72	9.40	39477435	35005490	34.848	27.701	
Spiked Amount 20.000			Recovery	=	174.24%	138.51%	
3) S p-terphenyl	10.15	9.81	25291428	24582114	13.035	11.557	
Spiked Amount 10.000			Recovery	=	130.35%	115.57%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	1318.6E6	1486.4E6	480.877	469.639	
5) M Nonane (C9)	2.38	2.19	3936419	21024695	2.688	2.611	
6) M Decane (C10)	3.17	2.94	12814083	26704016	3.910	2.960	
7) M Dodecane (C12)	4.81	4.53	10732322	12584187	3.914	3.340	
8) M Tetradecane (C14	6.25	5.96	11752903	13420852	4.117	4.190	
9) M Hexadecane (C16)	7.43	7.14	13458664	15311508	4.645	4.809	
10) M Octadecane (C18)	8.44	8.14	15925962	17477002	5.254	5.338	
11) M Nonadecane (C19)	8.90	8.59	20380504	18494320	6.845	5.669	
12) M Eicosane (C20)	9.34	9.02	27821150	31522247	9.355	9.676	
13) M Docosane (C22)	10.15	9.81	25291428	24582114	8.404	7.381	
14) M Tetracosane (C24	10.89	10.54	26962829	45239352	8.989	13.693	#
15) M Hexacosane (C26)	11.58	11.21	32692434	34850175	11.159	10.746	
16) M Octacosane (C28)	12.22	11.92	34245498	17043638	11.295	8.876	
17) M Triacontane (C30	12.92	12.44	25080761	27363729	9.069	7.993	
18) M Hexatriacontane	16.28	15.52	13705867	7652225	6.129	9.554	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

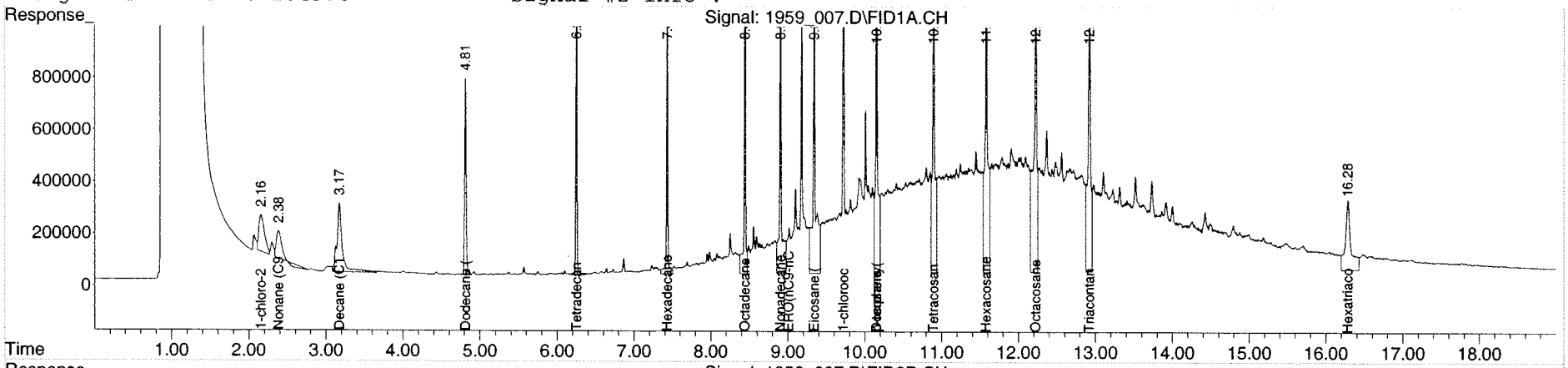
Quantitation Report (Not Reviewed)

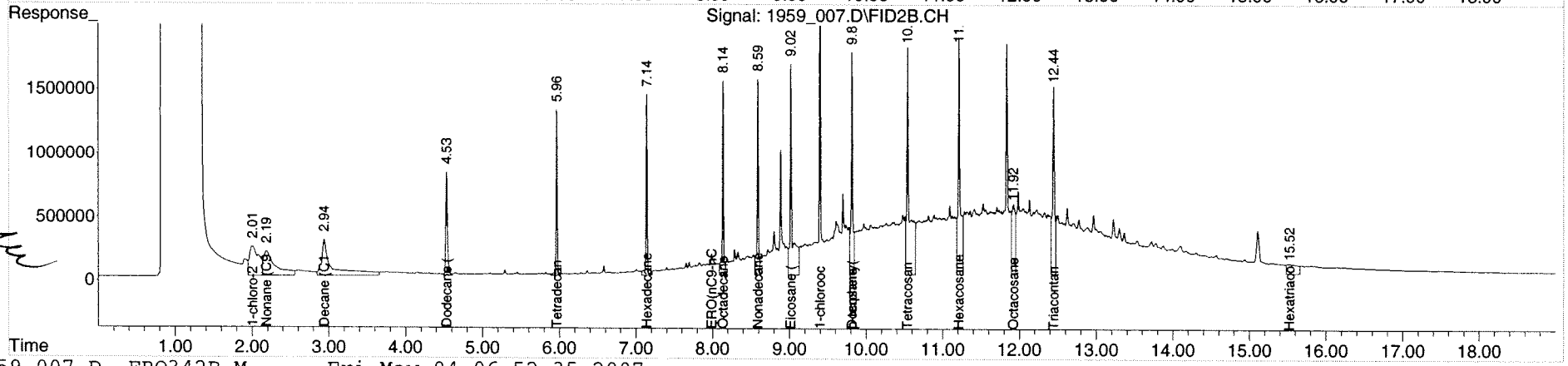
Data File : C:\MSDCHEM\1\DATA\1959\1959_007.D\FID1A.CH Vial: 7
Acq On : 03 May 2007 10:56 pm Operator: HP Demo
Sample : A768783 FID S1183 MS Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_007.D\FID2B.CH Vial: 7
Acq On : 03 May 2007 11:22 pm Operator: HP Demo
Sample : A768783 FID S1183 MS Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_008.D\FID1A.CH Vial: 8
Acq On : 03 May 2007 11:22 pm Operator: HP Demo
Sample : A768783 FID S1192 MSD Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_008.D\FID2B.CH Vial: 8
Acq On : 03 May 2007 11:47 pm Operator: HP Demo
Sample : A768783 FID S1192 MSD Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:36 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.16	2.01	6781871	19396933	9.101	9.040	
	Spiked Amount 10.000			Recovery	=	91.01%	90.40%	
2)	S 1-chlorooctadeca	9.72	9.40	65494082	68643534	57.814	54.319	
	Spiked Amount 20.000			Recovery	=	289.07%	271.60%	
3)	S p-terphenyl	10.15	9.82	54126559	126.0E6	27.896	59.220	#
	Spiked Amount 10.000			Recovery	=	278.96%	592.20%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	4720.7E6	5227.5E6	1721.586	1651.675	
5)	M Nonane (C9)	2.38	2.19	3600906	20438494	2.459	2.539	
6)	M Decane (C10)	3.17	2.94	13359936	19057909	4.076	2.113	#
7)	M Dodecane (C12)	4.81	4.53	11587091	13311074	4.226	3.533	
8)	M Tetradecane (C14	6.25	5.96	12265106	14255487	4.297	4.451	
9)	M Hexadecane (C16)	7.43	7.14	19971150	21919133	6.892	6.885	
10)	M Octadecane (C18)	8.44	8.14	30470022	36346625	10.053	11.101	
11)	M Nonadecane (C19)	8.90	8.59	51408621	90079688	17.267	27.613	#
12)	M Eicosane (C20)	9.34	9.02	31430447	39835996	10.569	12.228	
13)	M Docosane (C22)	10.15	9.82	54126559	126.0E6	17.985	37.821	#
14)	M Tetracosane (C24	10.90	10.55	102.3E6	192.0E6	34.106	58.112	#
15)	M Hexacosane (C26)	11.58	11.22	103.4E6	101.5E6	35.278	31.296	
16)	M Octacosane (C28)	12.23	11.94	133.2E6	70691950	43.925	36.815	
17)	M Triacontane (C30	12.93	12.45	61434228	62373857	22.214	18.219	
18)	M Hexatriacontane	16.30	15.45	29651721	37864186	13.260	47.276	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

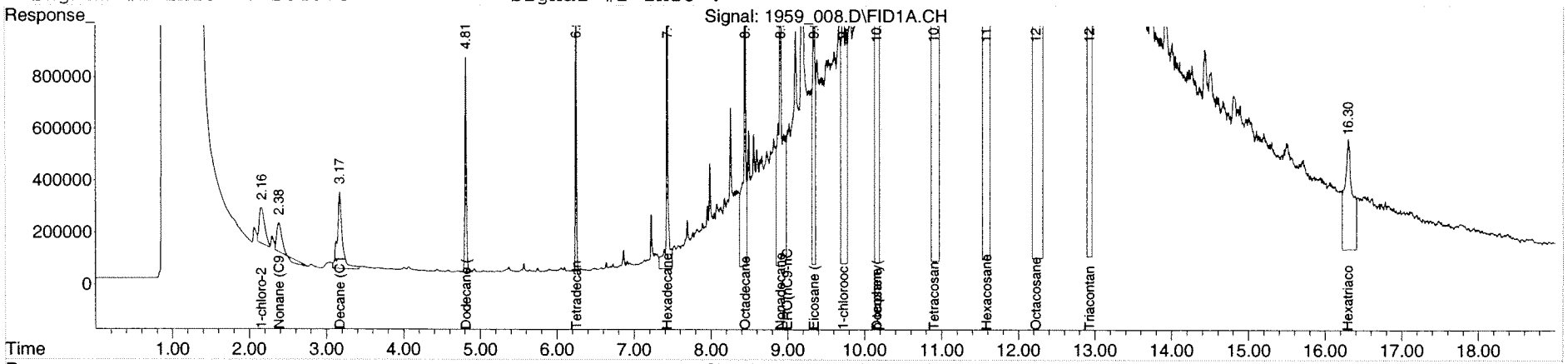
Quantitation Report (Not Reviewed)

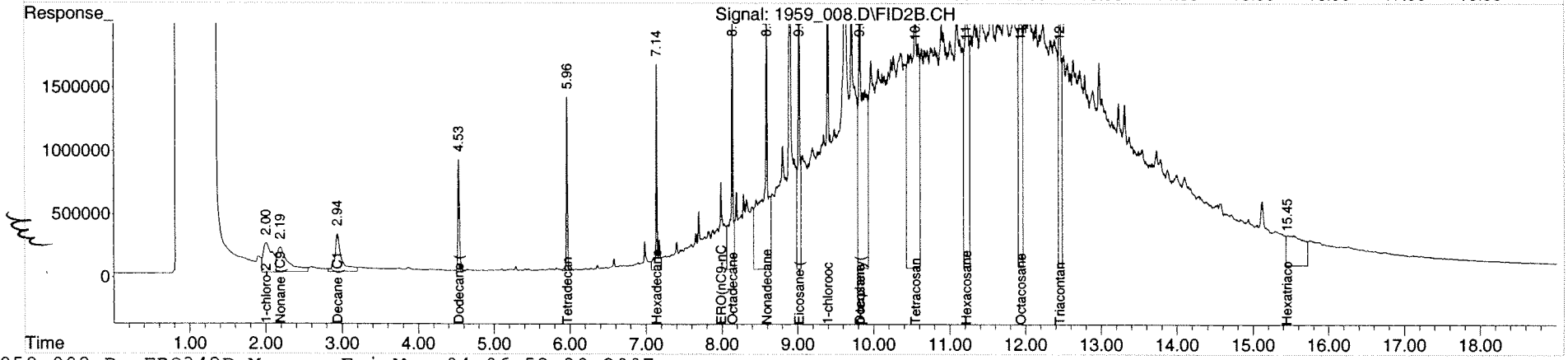
Data File : C:\MSDCHEM\1\DATA\1959\1959_008.D\FID1A.CH Vial: 8
Acq On : 03 May 2007 11:22 pm Operator: HP Demo
Sample : A768783 FID S1192 MSD Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_008.D\FID2B.CH Vial: 8
Acq On : 03 May 2007 11:47 pm Operator: HP Demo
Sample : A768783 FID S1192 MSD Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_009.D\FID1A.CH Vial: 9
Acq On : 03 May 2007 11:47 pm Operator: HP Demo
Sample : A767784 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_009.D\FID2B.CH Vial: 9
Acq On : 04 May 2007 12:13 am Operator: HP Demo
Sample : A767784 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:40 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	53591421	N.D.	24.977	#
	Spiked Amount 10.000			Recovery	=	0.00%	249.77%	
2)	S 1-chlorooctadeca	9.72	9.39	29778659	29763187	26.287	23.552	
	Spiked Amount 20.000			Recovery	=	131.44%	117.76%	
3)	S p-terphenyl	10.15	9.81	10154530	5122012	5.234	2.408	#
	Spiked Amount 10.000			Recovery	=	52.34%	24.08%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	705.1E6	716.7E6	257.137	226.447	
5)	M Nonane (C9)	0.00	2.01	0	53591421	N.D.	6.657	#
6)	M Decane (C10)	3.04	3.00	6939584	27662992	2.117	3.067	#
7)	M Dodecane (C12)	0.00	4.54	0	781281	N.D.	0.207	#
8)	M Tetradecane (C14	6.25	0.00	470958	0	0.165	N.D.	#
9)	M Hexadecane (C16)	7.45	7.17	2137697	2812181	0.738	0.883	
10)	M Octadecane (C18)	8.49	8.14	2243540	2224402	0.740	0.679	
11)	M Nonadecane (C19)	8.90	8.53	4082006	1672214	1.371	0.513	#
12)	M Eicosane (C20)	9.38	9.06	7061926	7937682	2.375	2.437	
13)	M Docosane (C22)	10.15	9.81	10154530	5122012	3.374	1.538	#
14)	M Tetracosane (C24	10.85	10.59	4859876	7234262	1.620	2.190	#
15)	M Hexacosane (C26)	11.62	11.20	27896242	10745702	9.522	3.314	#
16)	M Octacosane (C28)	12.20	11.92	8134510	14562726	2.683	7.584	#
17)	M Triacontane (C30	12.88	12.50	11425471	17289048	4.131	5.050	
18)	M Hexatriacontane	16.28	15.52	1682186	5999698	0.752	7.491	#

dilute

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

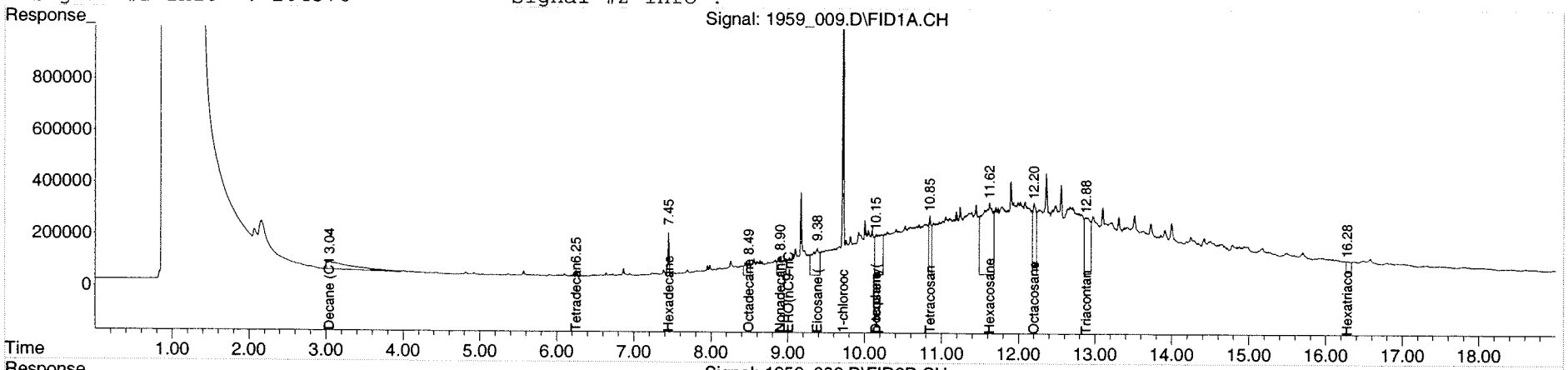
Quantitation Report (Not Reviewed)

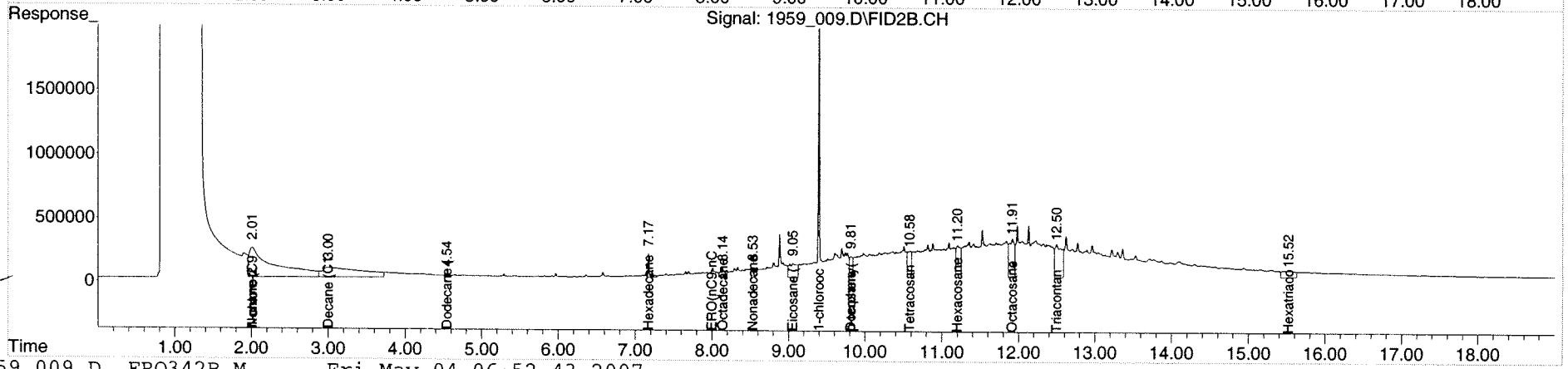
Data File : C:\MSDCHEM\1\DATA\1959\1959_009.D\FID1A.CH Vial: 9
Acq On : 03 May 2007 11:47 pm Operator: HP Demo
Sample : A767784 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_009.D\FID2B.CH Vial: 9
Acq On : 04 May 2007 12:13 am Operator: HP Demo
Sample : A767784 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_010.D\FID1A.CH Vial: 10
Acq On : 04 May 2007 12:13 am Operator: HP Demo
Sample : A767785 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_010.D\FID2B.CH Vial: 10
Acq On : 04 May 2007 12:38 am Operator: HP Demo
Sample : A767785 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:44 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	28722121	N.D.	13.386	#
	Spiked Amount 10.000			Recovery	=	0.00%	133.86%	
2)	S 1-chlorooctadeca	9.72	9.39	18581090	20417774	16.402	16.157	
	Spiked Amount 20.000			Recovery	=	82.01%	80.78%	
3)	S p-terphenyl	10.15	9.87	2574067	866641	1.327	0.407	#
	Spiked Amount 10.000			Recovery	=	13.27%	4.07%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	203.2E6	194.0E6	74.105	61.292	
5)	M Nonane (C9)	0.00	2.01	0	28722121	N.D.	3.568	#
6)	M Decane (C10)	3.05	3.00	4697450	15629688	1.433	1.733	
7)	M Dodecane (C12)	0.00	4.15f	0	2199073	N.D.	0.584	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	0.00	612086	0	0.211	N.D.	#
10)	M Octadecane (C18)	8.44	8.53f	833069	735476	0.275	0.225	
11)	M Nonadecane (C19)	8.84	8.67	1280243	793158	0.430	0.243	#
12)	M Eicosane (C20)	9.34	9.06	1346427	1171148	0.453	0.360	
13)	M Docosane (C22)	10.15	9.87	2574067	866641	0.855	0.260	#
14)	M Tetracosane (C24	10.85	10.59	6650237	2451921	2.217	0.742	#
15)	M Hexacosane (C26)	11.59	11.21	5532661	4191793	1.889	1.293	#
16)	M Octacosane (C28)	12.20	11.92	5963219	3633583	1.967	1.892	
17)	M Triacontane (C30	12.90	12.43	3159940	2201837	1.143	0.643	#
18)	M Hexatriacontane	16.33	15.43	768548	852334	0.344	1.064	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

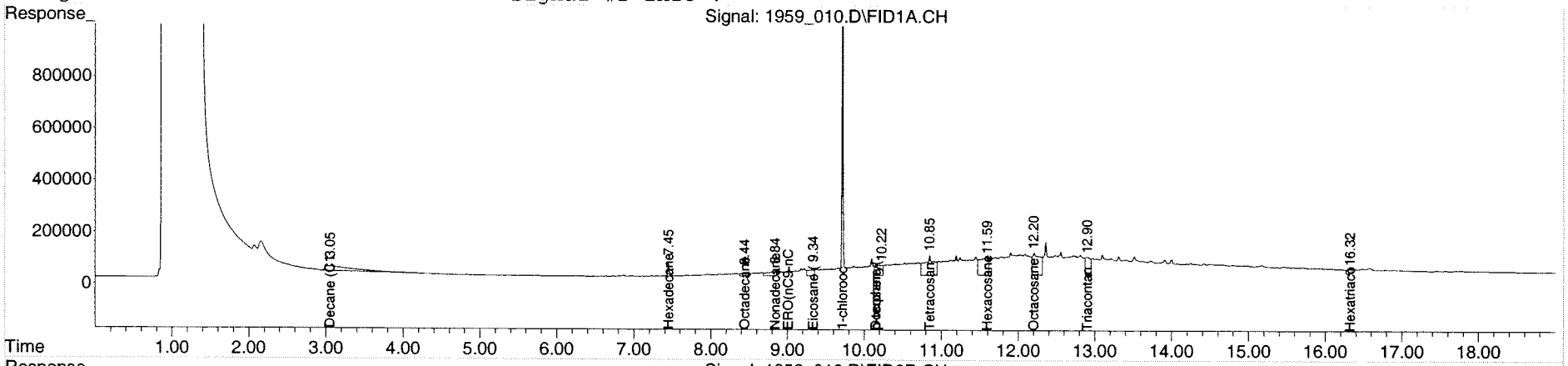
Quantitation Report (Not Reviewed)

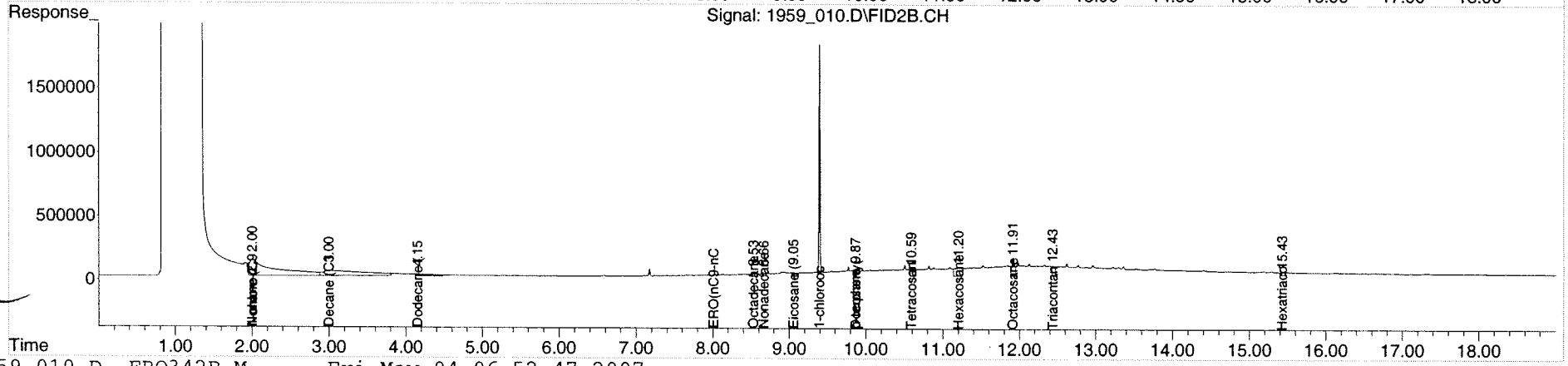
Data File : C:\MSDCHEM\1\DATA\1959\1959_010.D\FID1A.CH Vial: 10
Acq On : 04 May 2007 12:13 am Operator: HP Demo
Sample : A767785 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_010.D\FID2B.CH Vial: 10
Acq On : 04 May 2007 12:38 am Operator: HP Demo
Sample : A767785 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_011.D\FID1A.CH Vial: 11
Acq On : 04 May 2007 12:38 am Operator: HP Demo
Sample : A767786 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_011.D\FID2B.CH Vial: 11
Acq On : 04 May 2007 1:04 am Operator: HP Demo
Sample : A767786 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:48 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	0.00	2.01	0	46424630	N.D.	21.637	#
Spiked Amount 10.000			Recovery	=	0.00%	216.37%	
2) S 1-chlorooctadeca	9.72	9.39	31471605	31386532	27.781	24.837	
Spiked Amount 20.000			Recovery	=	138.91%	124.18%	
3) S p-terphenyl	10.15	9.81	6111027	6305989	3.150	2.965	
Spiked Amount 10.000			Recovery	=	31.50%	29.65%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	753.0E6	854.2E6	274.600	269.885	
5) M Nonane (C9)	0.00	2.01	0	46424630	N.D.	5.766	#
6) M Decane (C10)	3.05	3.00	6709619	23016216	2.047	2.551	
7) M Dodecane (C12)	0.00	4.54	0	908076	N.D.	0.241	#
8) M Tetradecane (C14	6.25	0.00	516696	0	0.181	N.D.	#
9) M Hexadecane (C16)	7.45	7.17	2156831	4298386	0.744	1.350	#
10) M Octadecane (C18)	8.49	8.14	4237090	2890981	1.398	0.883	#
11) M Nonadecane (C19)	8.83	8.53	3816197	4090212	1.282	1.254	
12) M Eicosane (C20)	9.38	9.06	6765961	9996332	2.275	3.069	#
13) M Docosane (C22)	10.15	9.81	6111027	6305989	2.031	1.893	
14) M Tetracosane (C24	10.89	10.54	4318970	5064136	1.440	1.533	
15) M Hexacosane (C26)	11.59	11.20	12850759	13701462	4.386	4.225	
16) M Octacosane (C28)	12.20	11.92	10583008	14134017	3.490	7.361	#
17) M Triacontane (C30	12.97	12.49	13388763	20272663	4.841	5.922	
18) M Hexatriacontane	16.32	15.51	1148226	8433391	0.513	10.530	#

delete

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

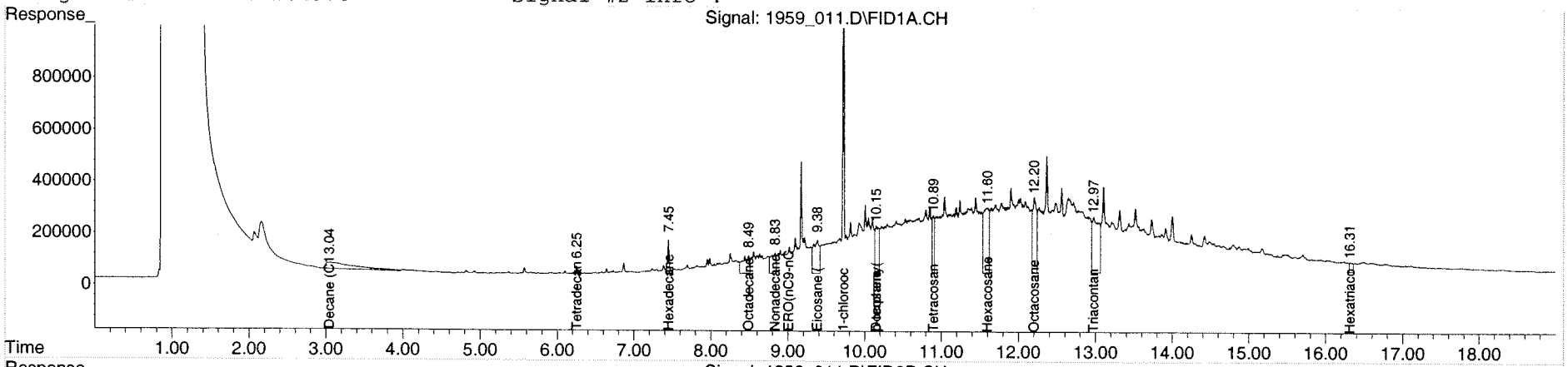
Quantitation Report (Not Reviewed)

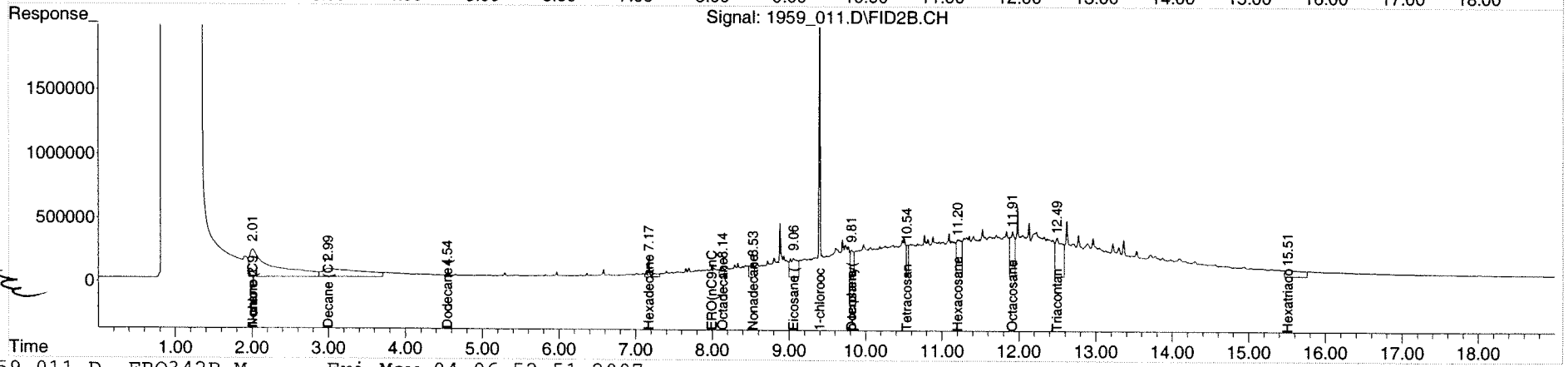
Data File : C:\MSDCHEM\1\DATA\1959\1959_011.D\FID1A.CH Vial: 11
Acq On : 04 May 2007 12:38 am Operator: HP Demo
Sample : A767786 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_011.D\FID2B.CH Vial: 11
Acq On : 04 May 2007 1:04 am Operator: HP Demo
Sample : A767786 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_012.D\FID1A.CH Vial: 12
Acq On : 04 May 2007 1:04 am Operator: HP Demo
Sample : A767787 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_012.D\FID2B.CH Vial: 12
Acq On : 04 May 2007 1:29 am Operator: HP Demo
Sample : A767787 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1) S	1-chloro-2-flour	0.00	2.01	0	35388296	N.D.	16.493	#
Spiked Amount	10.000			Recovery	=	0.00%	164.93%	
2) S	1-chlorooctadeca	9.72	9.39	23563915	30379003	20.801	24.040	
Spiked Amount	20.000			Recovery	=	104.01%	120.20%	
3) S	p-terphenyl	10.15	9.77	2472299	3899870	1.274	1.833	#
Spiked Amount	10.000			Recovery	=	12.74%	18.33%	
	Target Compounds							
4) H,T	ERO(nC9-nC36)	9.00	8.00	283.8E6	322.3E6	103.488	101.848	
5) M	Nonane (C9)	0.00	2.01	0	35388296	N.D.	4.396	#
6) M	Decane (C10)	3.04	3.00	5219568	23063458	1.593	2.557	#
7) M	Dodecane (C12)	0.00	4.72	0	1254905	N.D.	0.333	#
8) M	Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9) M	Hexadecane (C16)	7.45	7.17	1605648	1878522	0.554	0.590	
10) M	Octadecane (C18)	8.44	8.14	1003644	1036733	0.331	0.317	
11) M	Nonadecane (C19)	8.90	8.59	1647219	2057555	0.553	0.631	
12) M	Eicosane (C20)	9.37	9.04	3211332	1789066	1.080	0.549	#
13) M	Docosane (C22)	10.15	9.77	2472299	3899870	0.821	1.171	#
14) M	Tetracosane (C24	10.89	10.59	1850419	4526197	0.617	1.370	#
15) M	Hexacosane (C26)	11.59	11.20	7742710	4441780	2.643	1.370	#
16) M	Octacosane (C28)	12.20	11.92	3717561	5595217	1.226	2.914	#
17) M	Triacontane (C30	12.91	12.50	5835024	3200709	2.110	0.935	#
18) M	Hexatriacontane	16.34	15.52	772585	3849990	0.345	4.807	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

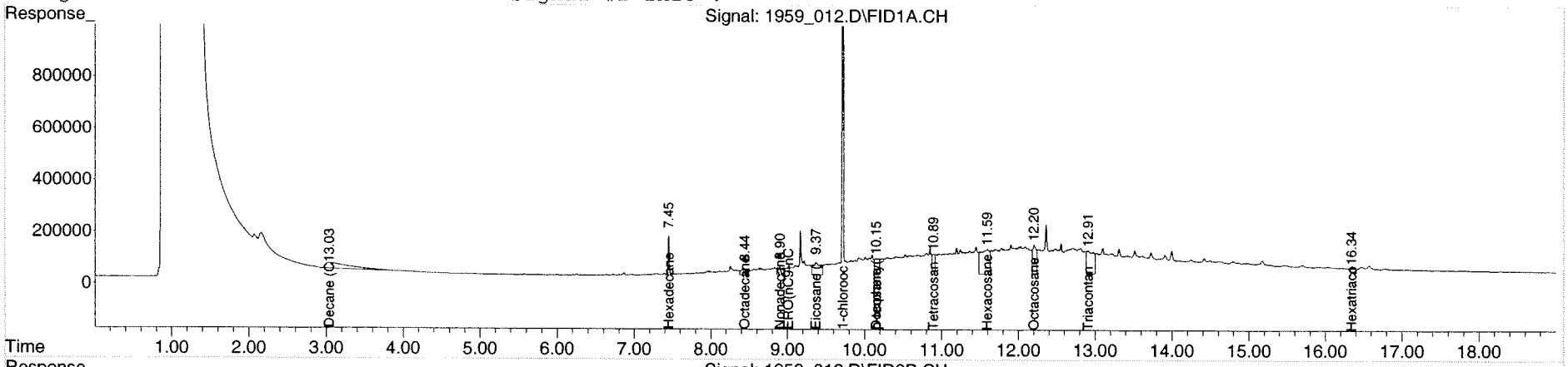
Quantitation Report (Not Reviewed)

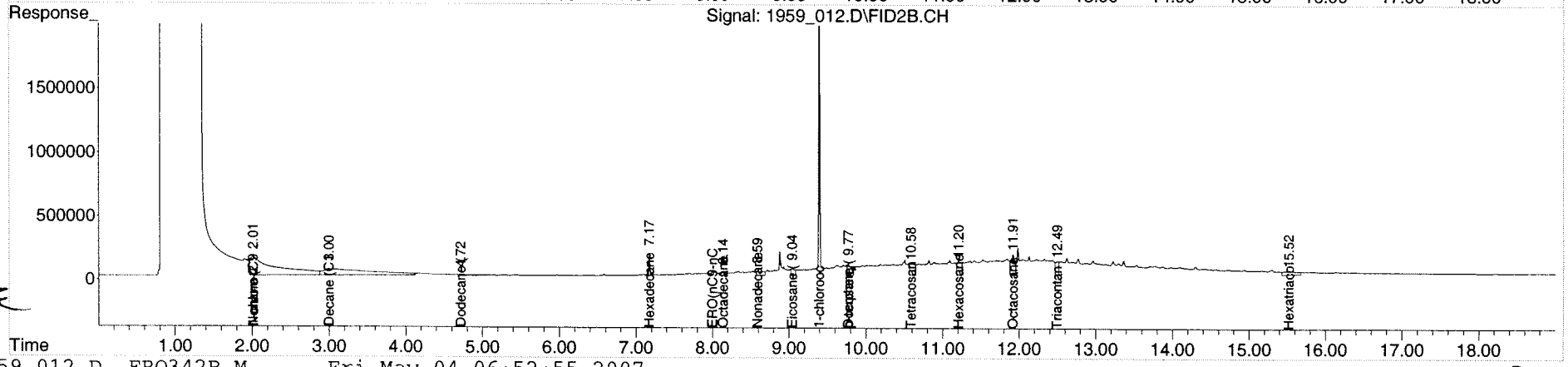
Data File : C:\MSDCHEM\1\DATA\1959\1959_012.D\FID1A.CH Vial: 12
Acq On : 04 May 2007 1:04 am Operator: HP Demo
Sample : A767787 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_012.D\FID2B.CH Vial: 12
Acq On : 04 May 2007 1:29 am Operator: HP Demo
Sample : A767787 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_013.D\FID1A.CH Vial: 13
Acq On : 04 May 2007 1:29 am Operator: HP Demo
Sample : A767788 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_013.D\FID2B.CH Vial: 13
Acq On : 04 May 2007 1:55 am Operator: HP Demo
Sample : A767788 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:52:56 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	45265667	N.D.	21.097	#
	Spiked Amount 10.000			Recovery	=	0.00%	210.97%	
2)	S 1-chlorooctadeca	9.72	9.39	24612854	25875211	21.727	20.476	
	Spiked Amount 20.000			Recovery	=	108.63%	102.38%	
3)	S p-terphenyl	10.15	9.82	2187157	5487494	1.127	2.580	#
	Spiked Amount 10.000			Recovery	=	11.27%	25.80%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	440.4E6	513.6E6	160.621	162.280	
5)	M Nonane (C9)	0.00	2.01	0	45265667	N.D.	5.622	#
6)	M Decane (C10)	3.03	3.00	1983614	29551429	0.605	3.276	#
7)	M Dodecane (C12)	0.00	4.15f	0	3652662	N.D.	0.969	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	1701678	1770287	0.587	0.556	
10)	M Octadecane (C18)	8.44	8.14	1979208	1380761	0.653	0.422	#
11)	M Nonadecane (C19)	8.83	8.64	4356690	1498581	1.463	0.459	#
12)	M Eicosane (C20)	9.38	9.05	3944201	4664762	1.326	1.432	
13)	M Docosane (C22)	10.15	9.82	2187157	5487494	0.727	1.648	#
14)	M Tetracosane (C24	10.89	10.59	2585245	10148677	0.862	3.072	#
15)	M Hexacosane (C26)	11.65	11.23	20102714	3067982	6.862	0.946	#
16)	M Octacosane (C28)	12.21	11.92	13584650	8378084	4.480	4.363	
17)	M Triacontane (C30	12.81	12.49	23956643	5567794	8.662	1.626	#
18)	M Hexatriacontane	16.22	15.52	3201995	4007489	1.432	5.004	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

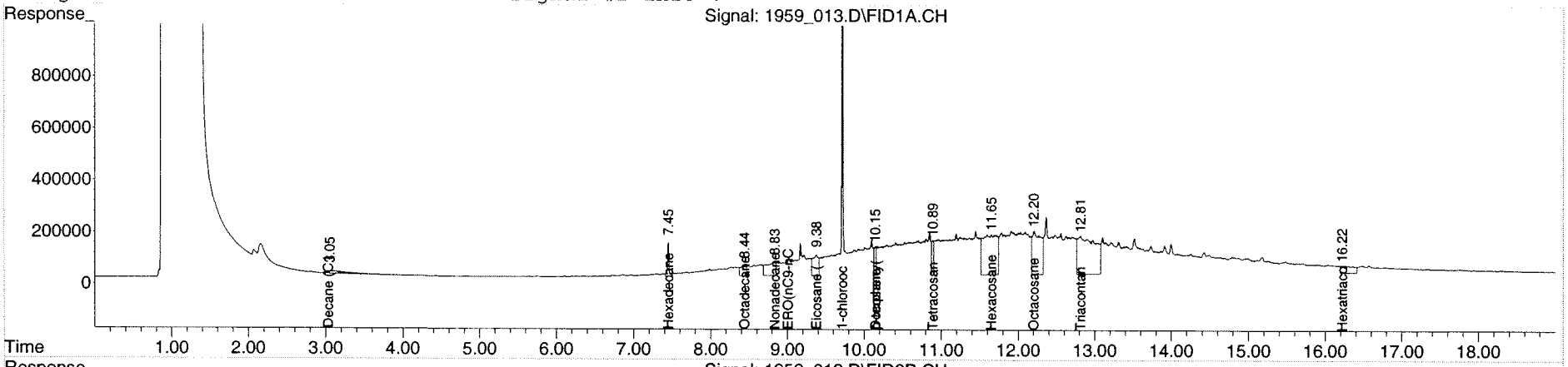
Quantitation Report (Not Reviewed)

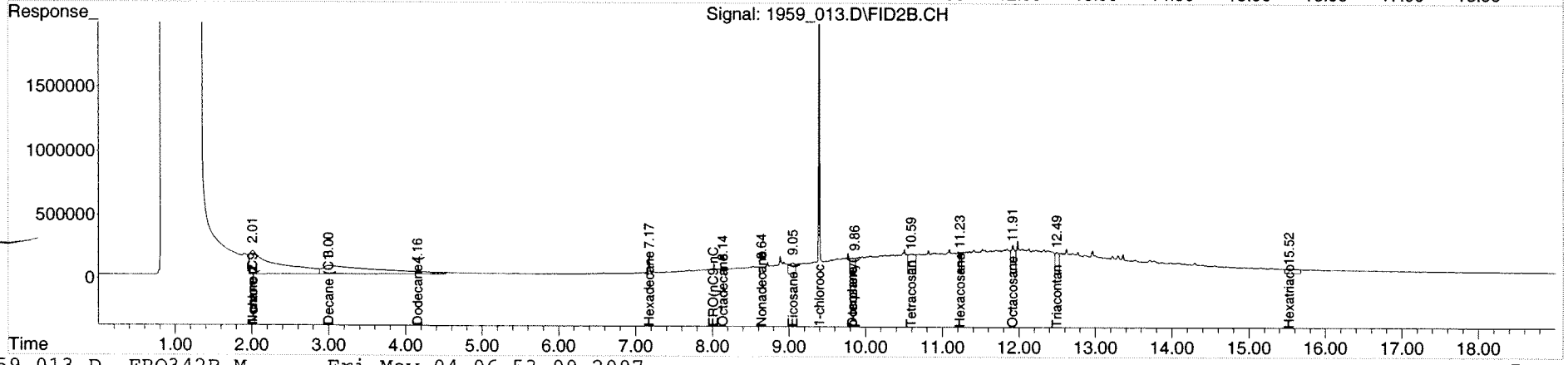
Data File : C:\MSDCHEM\1\DATA\1959\1959_013.D\FID1A.CH Vial: 13
Acq On : 04 May 2007 1:29 am Operator: HP Demo
Sample : A767788 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_013.D\FID2B.CH Vial: 13
Acq On : 04 May 2007 1:55 am Operator: HP Demo
Sample : A767788 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:52 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_014.D\FID1A.CH Vial: 14
Acq On : 04 May 2007 1:55 am Operator: HP Demo
Sample : ~~A767789 FID S1192~~ CS2 5-4-07 cw Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_014.D\FID2B.CH Vial: 14
Acq On : 04 May 2007 2:20 am Operator: HP Demo
Sample : A767789 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:01 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1) S	1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount	10.000			Recovery	=	0.00%	0.00%	
2) S	1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount	20.000			Recovery	=	0.00%	0.00%	
3) S	p-terphenyl	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount	10.000			Recovery	=	0.00%	0.00%	
	Target Compounds							
4) H,T	ERO(nC9-nC36)	9.00	8.00	40158801	38488727	14.646	12.161	
5) M	Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6) M	Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7) M	Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8) M	Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9) M	Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10) M	Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11) M	Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12) M	Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13) M	Docosane (C22)	0.00	0.00	0	0	N.D.	N.D.	
14) M	Tetracosane (C24	10.85	0.00	757498	0	0.253	N.D.	#
15) M	Hexacosane (C26)	11.57	11.06	830061	710042	0.283	0.219	
16) M	Octacosane (C28)	12.24	11.92	921823	3674940	0.304	1.914	#
17) M	Triacontane (C30	12.91	12.43	2238093	1929785	0.809	0.564	#
18) M	Hexatriacontane	16.17	15.51	1644803	4890119	0.736	6.106	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

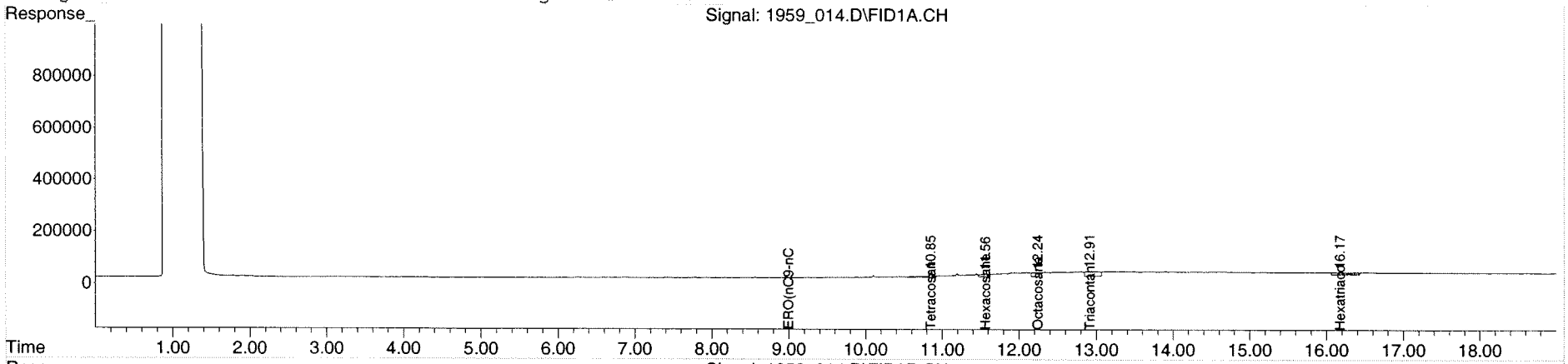
Quantitation Report (Not Reviewed)

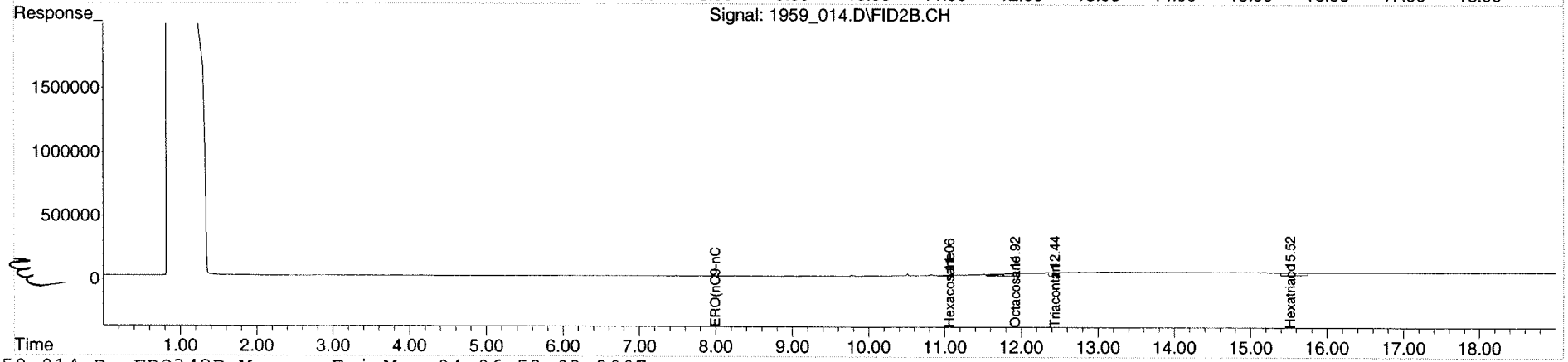
Data File : C:\MSDCHEM\1\DATA\1959\1959_014.D\FID1A.CH Vial: 14
Acq On : 04 May 2007 1:55 am Operator: HP Demo
Sample : ~~A767789 FID S1192~~ Inst : Instrumen
Misc : CS2 5-4-07 aw Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_014.D\FID2B.CH Vial: 14
Acq On : 04 May 2007 2:20 am Operator: HP Demo
Sample : A767789 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_015.D\FID1A.CH Vial: 15
Acq On : 04 May 2007 2:20 am Operator: HP Demo
Sample : A767790 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_015.D\FID2B.CH Vial: 15
Acq On : 04 May 2007 2:46 am Operator: HP Demo
Sample : A767790 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:04 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	31524084	N.D.	14.692 #
Spiked Amount 10.000			Recovery	=	0.00%	146.92%
2) S 1-chlorooctadeca	9.72	9.39	22798064	24661996	20.125	19.516
Spiked Amount 20.000			Recovery	=	100.63%	97.58%
3) S p-terphenyl	10.15	9.77	3701255	5265898	1.908	2.476 #
Spiked Amount 10.000			Recovery	=	19.08%	24.76%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	231.6E6	260.1E6	84.468	82.176
5) M Nonane (C9)	0.00	2.01	0	31524084	N.D.	3.916 #
6) M Decane (C10)	3.03	3.00	2846244	18271125	0.868	2.025 #
7) M Dodecane (C12)	0.00	4.65	0	1031590	N.D.	0.274 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	1891155	2036509	0.653	0.640
10) M Octadecane (C18)	8.44	8.14	1045146	1112757	0.345	0.340
11) M Nonadecane (C19)	8.90	8.59	1102962	978861	0.370	0.300
12) M Eicosane (C20)	9.34	9.02	2240407	2082729	0.753	0.639
13) M Docosane (C22)	10.15	9.77	3701255	5265898	1.230	1.581 #
14) M Tetracosane (C24	10.89	10.58	2631620	2080311	0.877	0.630 #
15) M Hexacosane (C26)	11.59	11.21	3979297	3580412	1.358	1.104
16) M Octacosane (C28)	12.21	11.92	6614584	3755983	2.182	1.956
17) M Triacontane (C30	12.97	12.49	2087165	2770562	0.755	0.809
18) M Hexatriacontane	16.22	15.54	1727896	4500268	0.773	5.619 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

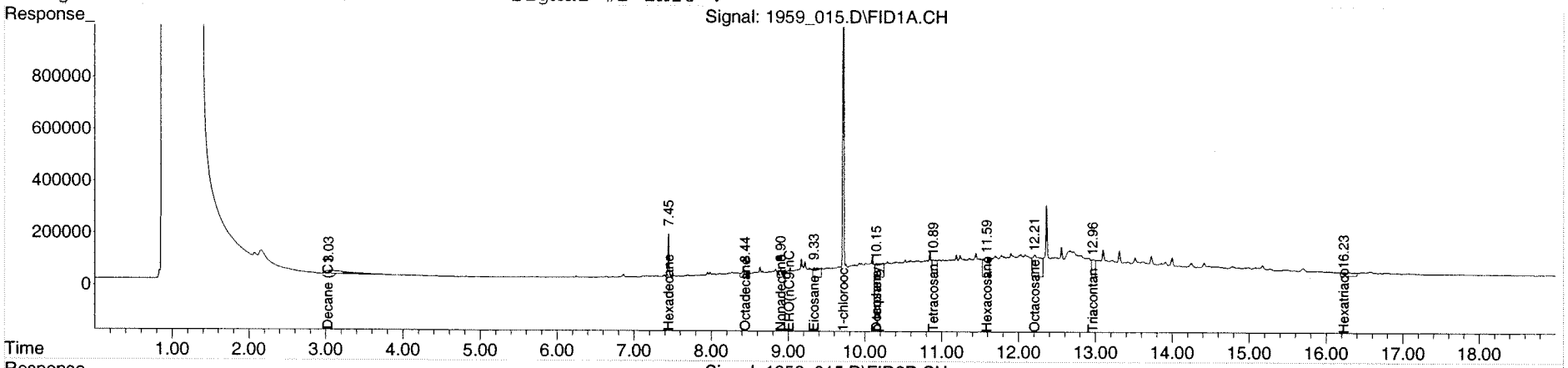
Quantitation Report (Not Reviewed)

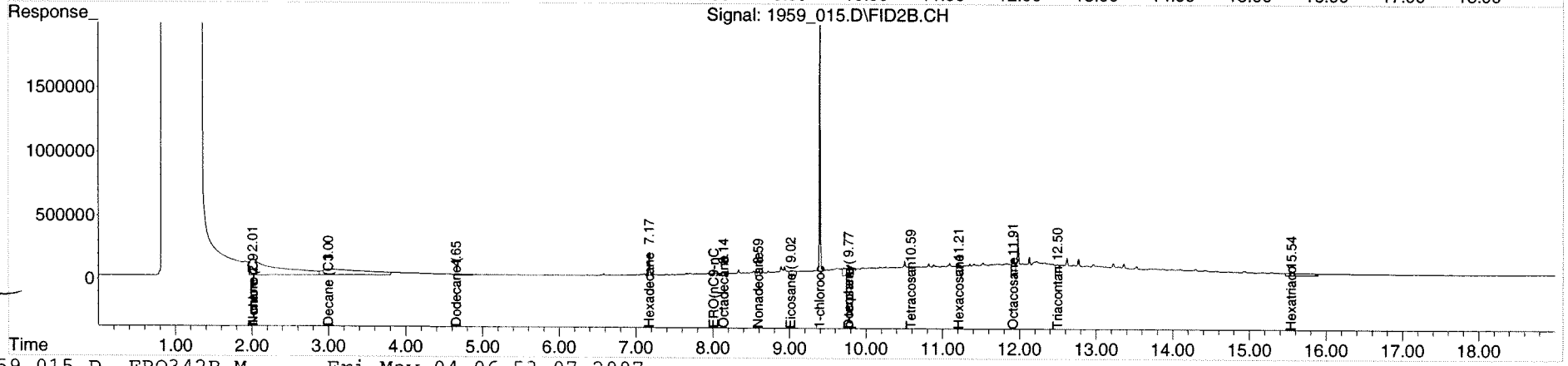
Data File : C:\MSDCHEM\1\DATA\1959\1959_015.D\FID1A.CH Vial: 15
Acq On : 04 May 2007 2:20 am Operator: HP Demo
Sample : A767790 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_015.D\FID2B.CH Vial: 15
Acq On : 04 May 2007 2:46 am Operator: HP Demo
Sample : A767790 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_016.D\FID1A.CH Vial: 16
Acq On : 04 May 2007 2:46 am Operator: HP Demo
Sample : A767791 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_016.D\FID2B.CH Vial: 16
Acq On : 04 May 2007 3:11 am Operator: HP Demo
Sample : A767791 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:08 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	25856130	N.D.	12.051 #
Spiked Amount 10.000			Recovery	=	0.00%	120.51%
2) S 1-chlorooctadeca	9.72	9.39	20528647	23053856	18.121	18.243
Spiked Amount 20.000			Recovery	=	90.60%	91.21%
3) S p-terphenyl	10.15	9.77	1000359	2240177	0.516	1.053 #
Spiked Amount 10.000			Recovery	=	5.16%	10.53%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	111.5E6	109.0E6	40.679	34.440
5) M Nonane (C9)	0.00	2.01	0	25856130	N.D.	3.212 #
6) M Decane (C10)	3.04	3.00	6636766	14550222	2.025	1.613
7) M Dodecane (C12)	0.00	4.65	0	807850	N.D.	0.214 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	1302653	1405194	0.450	0.441
10) M Octadecane (C18)	8.44	0.00	524701	0	0.173	N.D. #
11) M Nonadecane (C19)	8.90	8.90f	453747	1084152	0.152	0.332 #
12) M Eicosane (C20)	9.37	9.02	507149	890710	0.171	0.273 #
13) M Docosane (C22)	10.15	9.77	1000359	2240177	0.332	0.673 #
14) M Tetracosane (C24	10.89	10.59	1092942	1284900	0.364	0.389
15) M Hexacosane (C26)	11.58	11.20	2392886	1527956	0.817	0.471 #
16) M Octacosane (C28)	12.21	11.91	2223966	2310169	0.733	1.203 #
17) M Triacontane (C30	12.90	12.43	1789602	2217925	0.647	0.648
18) M Hexatriacontane	16.25	15.54	582794	2047317	0.261	2.556 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

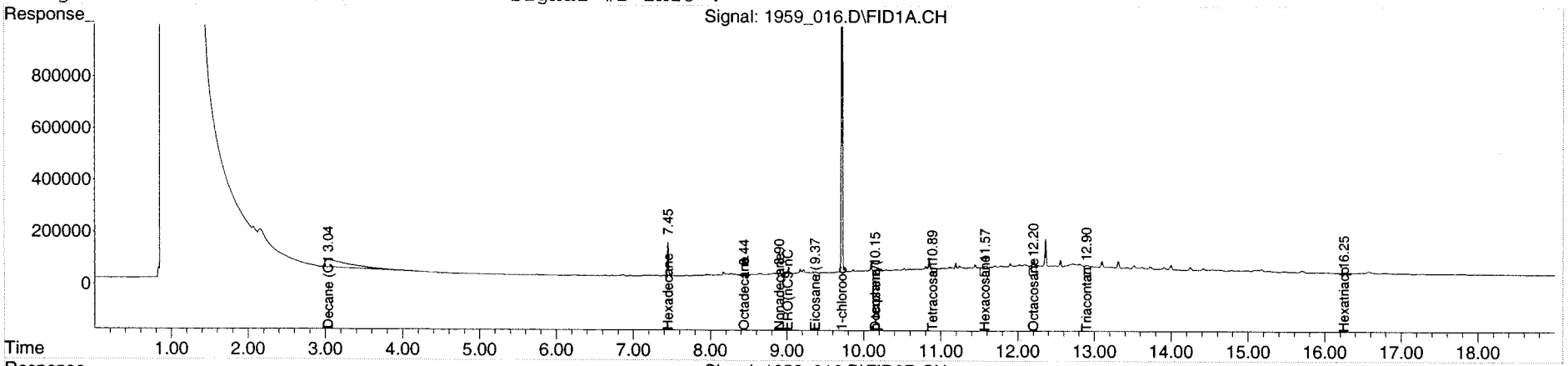
Quantitation Report (Not Reviewed)

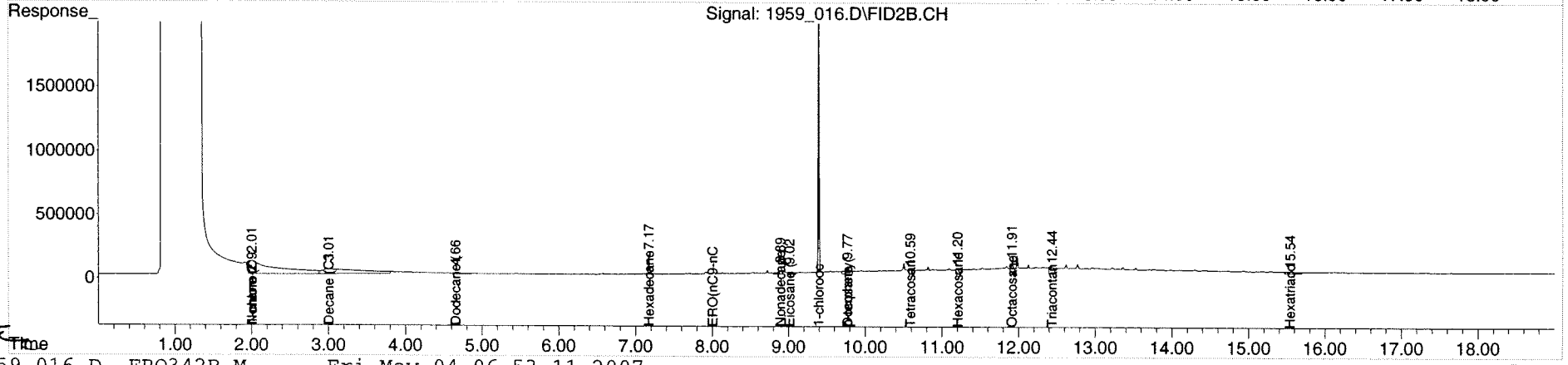
Data File : C:\MSDCHEM\1\DATA\1959\1959_016.D\FID1A.CH Vial: 16
Acq On : 04 May 2007 2:46 am Operator: HP Demo
Sample : A767791 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_016.D\FID2B.CH Vial: 16
Acq On : 04 May 2007 3:11 am Operator: HP Demo
Sample : A767791 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_017.D\FID1A.CH Vial: 17
Acq On : 04 May 2007 3:11 am Operator: HP Demo
Sample : A767792 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_017.D\FID2B.CH Vial: 17
Acq On : 04 May 2007 3:36 am Operator: HP Demo
Sample : A767792 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:12 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	43227043	N.D.	20.147 #
Spiked Amount 10.000			Recovery =		0.00%	201.47%
2) S 1-chlorooctadeca	9.72	9.40	29940246	34172622	26.429	27.042
Spiked Amount 20.000			Recovery =		132.15%	135.21%
3) S p-terphenyl	10.10	9.82	10856008	8844279	5.595	4.158 #
Spiked Amount 10.000			Recovery =		55.95%	41.58%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	1095.9E6	1316.0E6	399.659	415.796
5) M Nonane (C9)	0.00	2.01	0	43227043	N.D.	5.369 #
6) M Decane (C10)	3.04	3.00	5722412	23250912	1.746	2.577 #
7) M Dodecane (C12)	0.00	4.54	0	887727	N.D.	0.236 #
8) M Tetradecane (C14	6.25	5.97	664037	809978	0.233	0.253
9) M Hexadecane (C16)	7.43	7.14	1582249	3333861	0.546	1.047 #
10) M Octadecane (C18)	8.44	8.14	5089852	5150213	1.679	1.573
11) M Nonadecane (C19)	8.87	8.59	2414076	5436038	0.811	1.666 #
12) M Eicosane (C20)	9.34	9.02	3791360	10383166	1.275	3.187 #
13) M Docosane (C22)	10.10	9.82	10856008	8844279	3.607	2.655 #
14) M Tetracosane (C24	10.93	10.58	7941378	14671115	2.648	4.441 #
15) M Hexacosane (C26)	11.59	11.23	17646536	19619877	6.023	6.050
16) M Octacosane (C28)	12.21	11.92	30313461	20653716	9.998	10.756
17) M Triacontane (C30	12.97	12.49	9517380	13439846	3.441	3.926
18) M Hexatriacontane	16.29	15.47	4140606	1457749	1.852	1.820

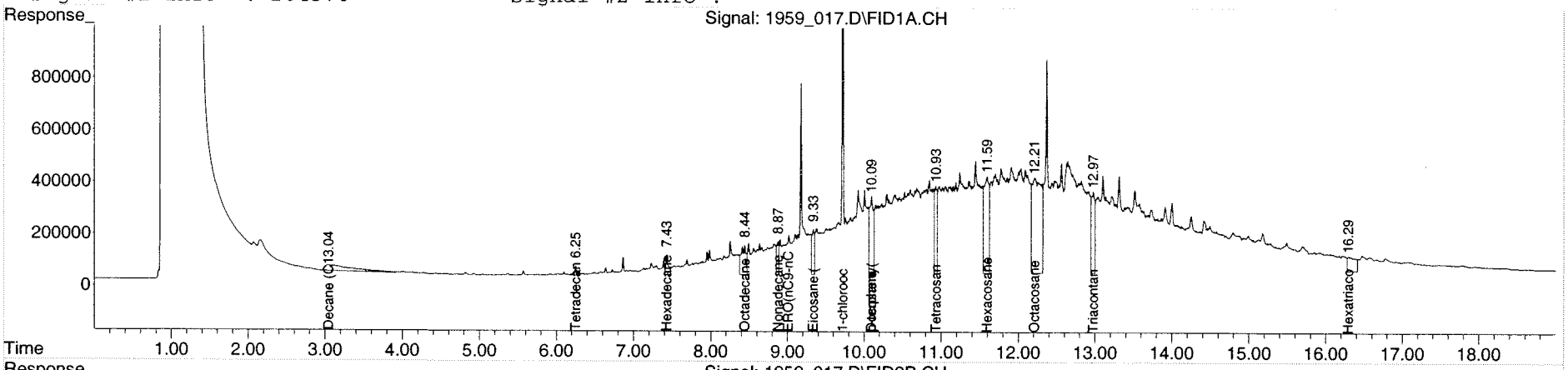
Quantitation Report (Not Reviewed)

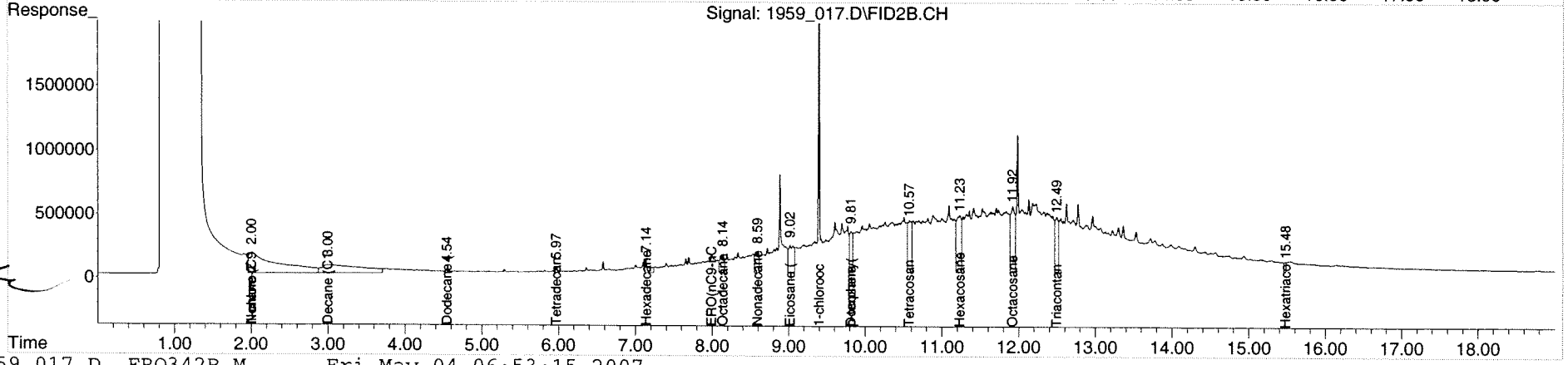
Data File : C:\MSDCHEM\1\DATA\1959\1959_017.D\FID1A.CH Vial: 17
Acq On : 04 May 2007 3:11 am Operator: HP Demo
Sample : A767792 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_017.D\FID2B.CH Vial: 17
Acq On : 04 May 2007 3:36 am Operator: HP Demo
Sample : A767792 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_018.D\FID1A.CH Vial: 18
Acq On : 04 May 2007 3:36 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_018.D\FID2B.CH Vial: 18
Acq On : 04 May 2007 4:02 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:16 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000			Recovery	=	0.00%	0.00%	
3)	S p-terphenyl	10.29	0.00	378667	0	0.195	N.D.	#
	Spiked Amount 10.000			Recovery	=	1.95%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	60279900	54011979	21.983	17.066	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	10.29	0.00	378667	0	0.126	N.D.	#
14)	M Tetracosane (C24	10.85	0.00	548993	0	0.183	N.D.	#
15)	M Hexacosane (C26)	11.56	11.43	1284982	1507953	0.439	0.465	
16)	M Octacosane (C28)	12.34	11.92	2768621	1302410	0.913	0.678	#
17)	M Triacontane (C30	12.91	12.39	1773868	1490380	0.641	0.435	#
18)	M Hexatriacontane	16.27	15.50	412664	2143457	0.185	2.676	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

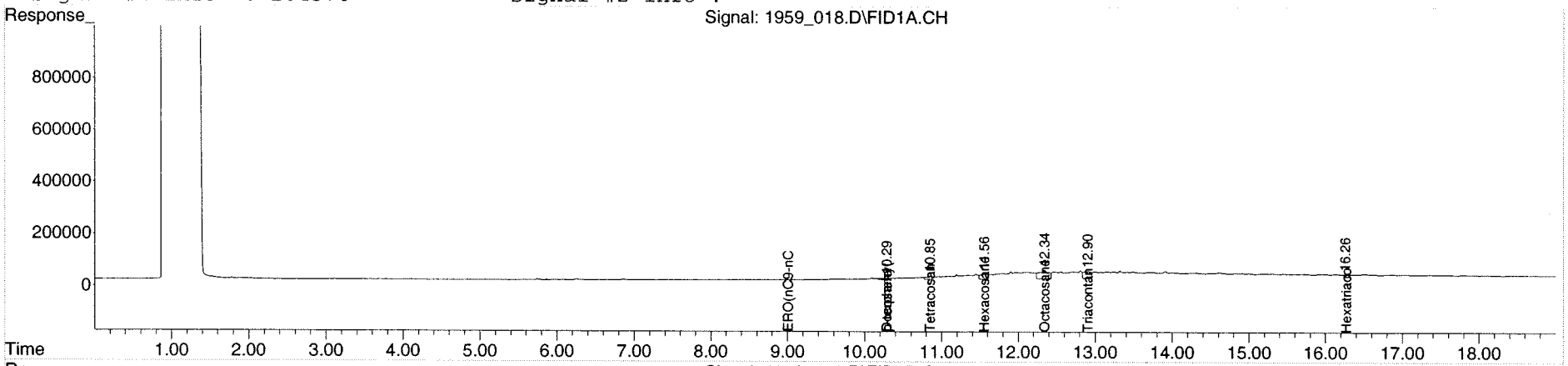
Quantitation Report (Not Reviewed)

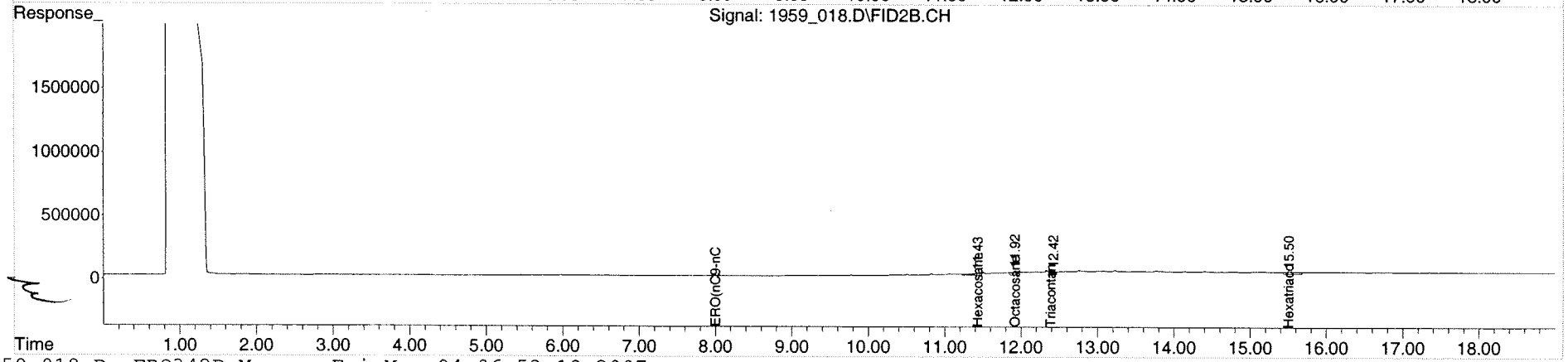
Data File : C:\MSDCHEM\1\DATA\1959\1959_018.D\FID1A.CH Vial: 18
Acq On : 04 May 2007 3:36 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_018.D\FID2B.CH Vial: 18
Acq On : 04 May 2007 4:02 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_019.D\FID1A.CH Vial: 19
Acq On : 04 May 2007 4:02 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_019.D\FID2B.CH Vial: 19
Acq On : 04 May 2007 4:27 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:20 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000			Recovery	=	0.00%	0.00%	
3)	S p-terphenyl	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	27458585	35979073	10.014	11.368	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	0.00	0.00	0	0	N.D.	N.D.	
14)	M Tetracosane (C24	11.19f	0.00	350349	0	0.117	N.D.	#
15)	M Hexacosane (C26)	11.45	0.00	522956	0	0.179	N.D.	#
16)	M Octacosane (C28)	12.21	11.92	888652	2188973	0.293	1.140	#
17)	M Triacontane (C30	12.90	12.55	803369	2219351	0.290	0.648	#
18)	M Hexatriacontane	16.34	15.56	506069	2054513	0.226	2.565	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

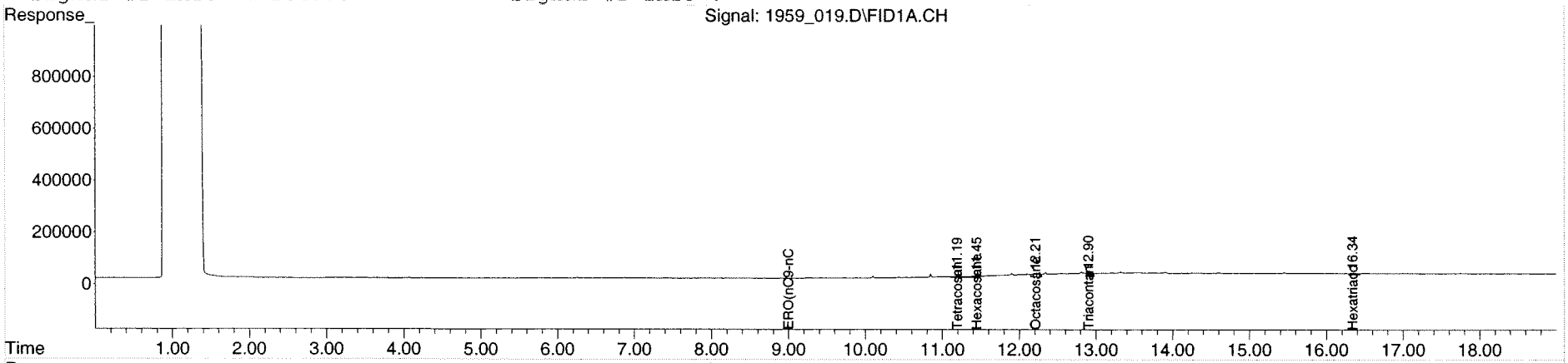
Quantitation Report (Not Reviewed)

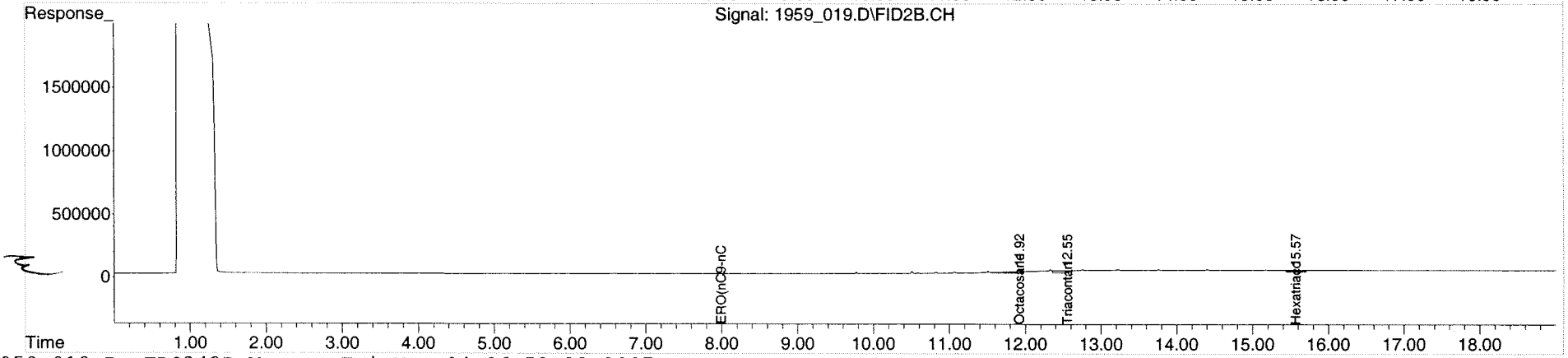
Data File : C:\MSDCHEM\1\DATA\1959\1959_019.D\FID1A.CH Vial: 19
Acq On : 04 May 2007 4:02 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_019.D\FID2B.CH Vial: 19
Acq On : 04 May 2007 4:27 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_020.D\FID1A.CH Vial: 20
Acq On : 04 May 2007 4:27 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_020.D\FID2B.CH Vial: 20
Acq On : 04 May 2007 4:53 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:23 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	8535468	16767526	11.454	7.815	#
	Spiked Amount 10.000			Recovery	=	114.54%	78.15%	
2)	S 1-chlorooctadeca	9.72	9.39	21462976	24209857	18.946	19.158	
	Spiked Amount 20.000			Recovery	=	94.73%	95.79%	
3)	S p-terphenyl	10.15	9.81	18947900	21698569	9.766	10.201	
	Spiked Amount 10.000			Recovery	=	97.66%	102.01%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	247.6E6	269.3E6	90.307	85.073	
5)	M Nonane (C9)	2.38	2.19	8636041	41906240	5.898	5.205	
6)	M Decane (C10)	3.17	2.94	21863700	47737829	6.671	5.292	
7)	M Dodecane (C12)	4.81	4.53	17939863	25485586	6.543	6.763	
8)	M Tetradecane (C14	6.25	5.96	18360665	21566492	6.432	6.734	
9)	M Hexadecane (C16)	7.43	7.14	18636132	21149684	6.431	6.643	
10)	M Octadecane (C18)	8.44	8.14	18962235	21437954	6.256	6.547	
11)	M Nonadecane (C19)	8.90	8.59	18908637	21233989	6.351	6.509	
12)	M Eicosane (C20)	9.34	9.02	19049209	21322204	6.406	6.545	
13)	M Docosane (C22)	10.15	9.81	18947900	21698569	6.296	6.515	
14)	M Tetracosane (C24	10.89	10.54	18651144	21682260	6.218	6.563	
15)	M Hexacosane (C26)	11.58	11.21	18653654	21196705	6.367	6.536	
16)	M Octacosane (C28)	12.22	11.92	18467451	1514877	6.091	0.789	#
17)	M Triacontane (C30	12.92	12.44	17921971	20153352	6.480	5.887	
18)	M Hexatriacontane	16.28	15.41	12431514	2235646	5.559	2.791	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

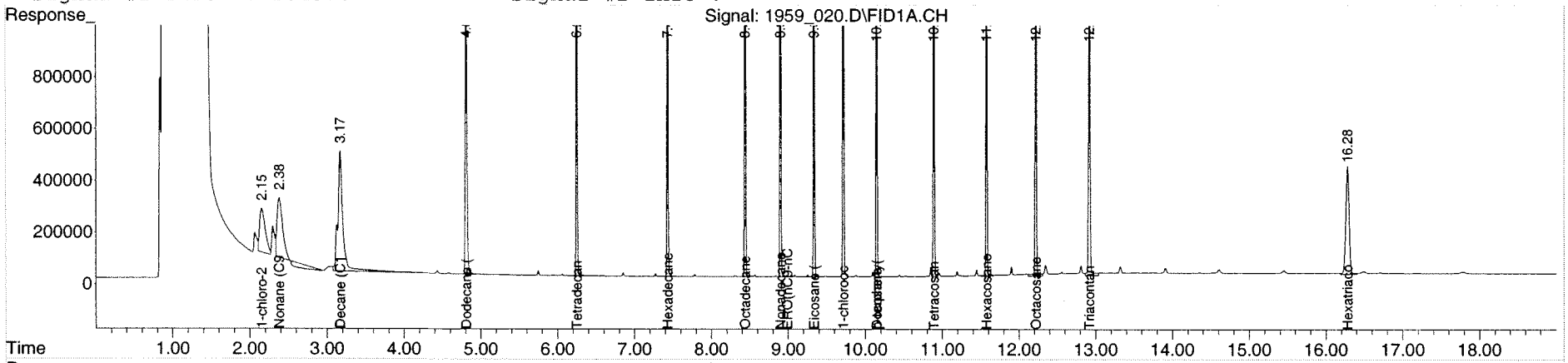
Quantitation Report (Not Reviewed)

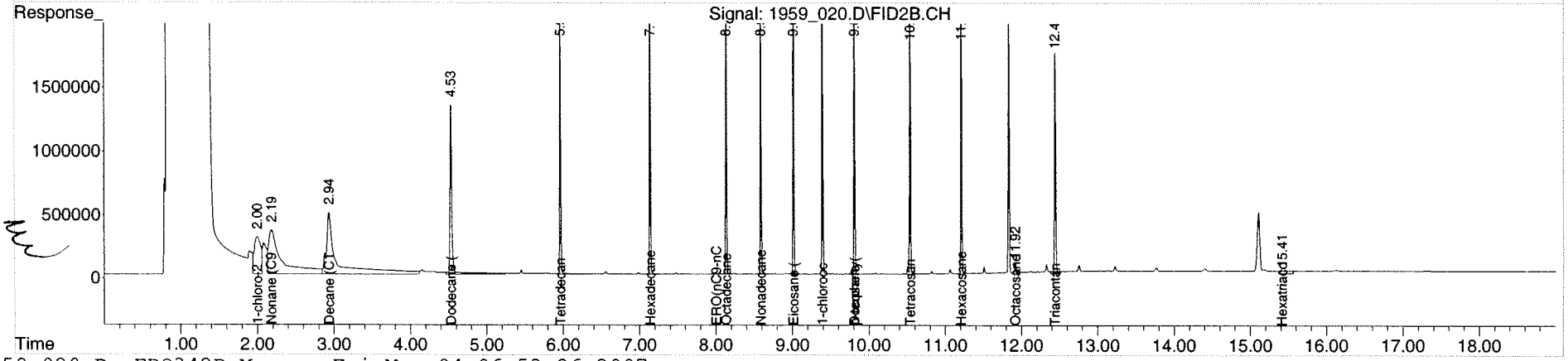
Data File : C:\MSDCHEM\1\DATA\1959\1959_020.D\FID1A.CH Vial: 20
Acq On : 04 May 2007 4:27 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_020.D\FID2B.CH Vial: 20
Acq On : 04 May 2007 4:53 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_021.D\FID1A.CH Vial: 21
Acq On : 04 May 2007 4:53 am Operator: HP Demo
Sample : A768793 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_021.D\FID2B.CH Vial: 21
Acq On : 04 May 2007 5:18 am Operator: HP Demo
Sample : A768793 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:27 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	37673770	N.D.	17.558	#
	Spiked Amount 10.000			Recovery	=	0.00%	175.58%	
2)	S 1-chlorooctadeca	9.72	9.39	20253066	24078688	17.878	19.054	
	Spiked Amount 20.000			Recovery	=	89.39%	95.27%	
3)	S p-terphenyl	10.15	9.77	1261682	3376190	0.650	1.587	#
	Spiked Amount 10.000			Recovery	=	6.50%	15.87%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	142.1E6	172.0E6	51.807	54.355	
5)	M Nonane (C9)	0.00	2.01	0	37673770	N.D.	4.679	#
6)	M Decane (C10)	3.17	3.00	3618917	4876451	1.104	0.541	#
7)	M Dodecane (C12)	0.00	4.75	0	1394962	N.D.	0.370	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	1115739	1355389	0.385	0.426	
10)	M Octadecane (C18)	8.49	8.33	707517	1036494	0.233	0.317	#
11)	M Nonadecane (C19)	8.94	8.53	351697	794553	0.118	0.244	#
12)	M Eicosane (C20)	9.37	9.04	1079053	1665912	0.363	0.511	#
13)	M Docosane (C22)	10.15	9.77	1261682	3376190	0.419	1.014	#
14)	M Tetracosane (C24	10.85	10.58	4090471	2439088	1.364	0.738	#
15)	M Hexacosane (C26)	11.59	11.21	2348535	2513654	0.802	0.775	
16)	M Octacosane (C28)	12.21	11.91	4369366	2939071	1.441	1.531	
17)	M Triacontane (C30	12.91	12.49	2063552	1561857	0.746	0.456	#
18)	M Hexatriacontane	16.24	15.54	1428719	2010387	0.639	2.510	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

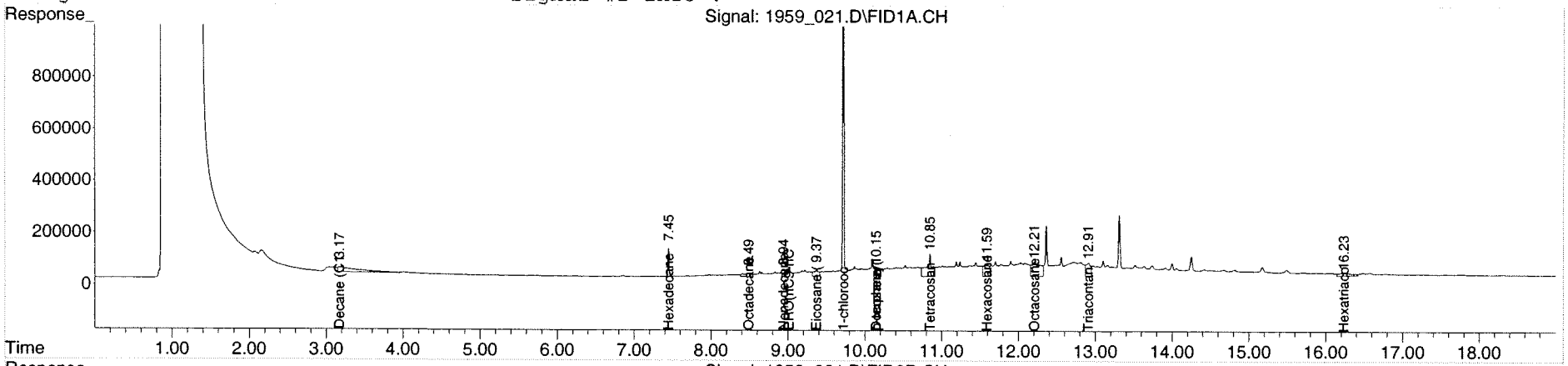
Quantitation Report (Not Reviewed)

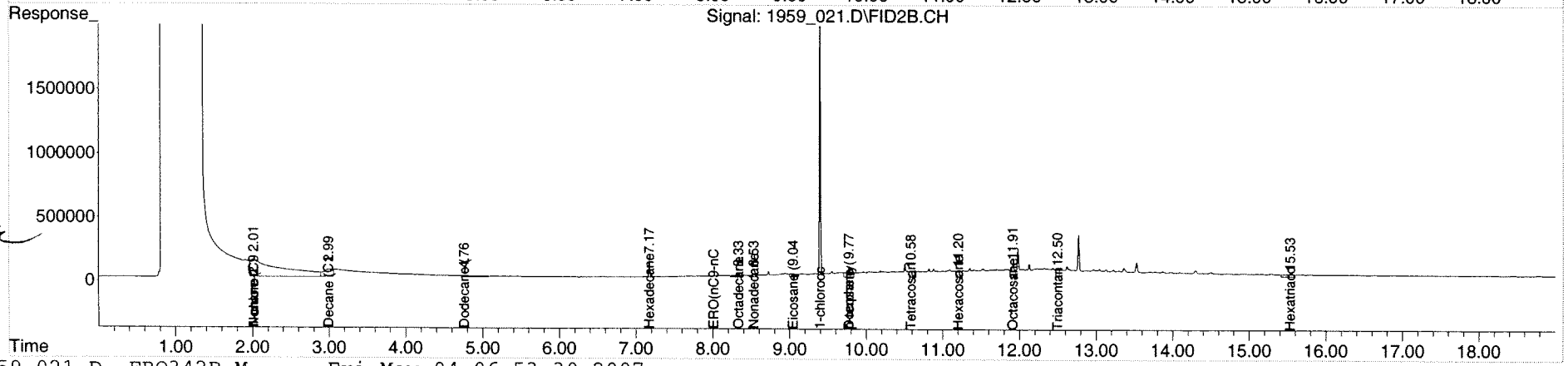
Data File : C:\MSDCHEM\1\DATA\1959\1959_021.D\FID1A.CH Vial: 21
Acq On : 04 May 2007 4:53 am Operator: HP Demo
Sample : A768793 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_021.D\FID2B.CH Vial: 21
Acq On : 04 May 2007 5:18 am Operator: HP Demo
Sample : A768793 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_022.D\FID1A.CH Vial: 22
Acq On : 04 May 2007 5:18 am Operator: HP Demo
Sample : A768794 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_022.D\FID2B.CH Vial: 22
Acq On : 04 May 2007 5:44 am Operator: HP Demo
Sample : A768794 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:31 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	39814809	N.D.	18.556	#
	Spiked Amount 10.000			Recovery	=	0.00%	185.56%	
2)	S 1-chlorooctadeca	9.72	9.39	27643276	45706935	24.402	36.169	#
	Spiked Amount 20.000			Recovery	=	122.01%	180.85%	
3)	S p-terphenyl	10.10	9.76	17585100	52340047	9.063	24.606	#
	Spiked Amount 10.000			Recovery	=	90.63%	246.06%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	872.8E6	991.5E6	318.304	313.277	
5)	M Nonane (C9)	0.00	2.01	0	39814809	N.D.	4.945	#
6)	M Decane (C10)	3.04	3.00	4992203	20108632	1.523	2.229	#
7)	M Dodecane (C12)	0.00	4.75	0	953842	N.D.	0.253	#
8)	M Tetradecane (C14	6.64f	0.00	375142	0	0.131	N.D.	#
9)	M Hexadecane (C16)	7.45	7.17	2750929	9319791	0.949	2.927	#
10)	M Octadecane (C18)	8.44	8.19	6270191	15417574	2.069	4.709	#
11)	M Nonadecane (C19)	8.87	8.57	4487257	14520766	1.507	4.451	#
12)	M Eicosane (C20)	9.21	9.06	5792301	14198158	1.948	4.358	#
13)	M Docosane (C22)	10.10	9.76	17585100	52340047	5.843	15.715	#
14)	M Tetracosane (C24	10.92	10.58	12468339	45100111	4.157	13.651	#
15)	M Hexacosane (C26)	11.59	11.09	13069638	27152082	4.461	8.373	#
16)	M Octacosane (C28)	12.22	11.98	22105442	51451318	7.291	26.795	#
17)	M Triacontane (C30	12.97	12.32	7099725	63750329	2.567	18.621	#
18)	M Hexatriacontane	16.30	15.54	2545032	18450845	1.138	23.037	#

delete

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

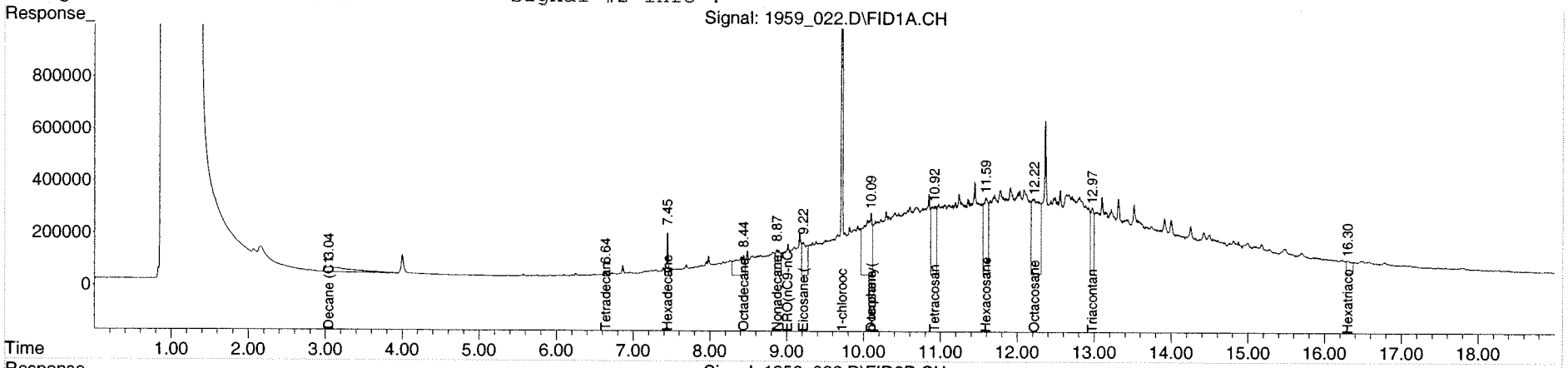
Quantitation Report (Not Reviewed)

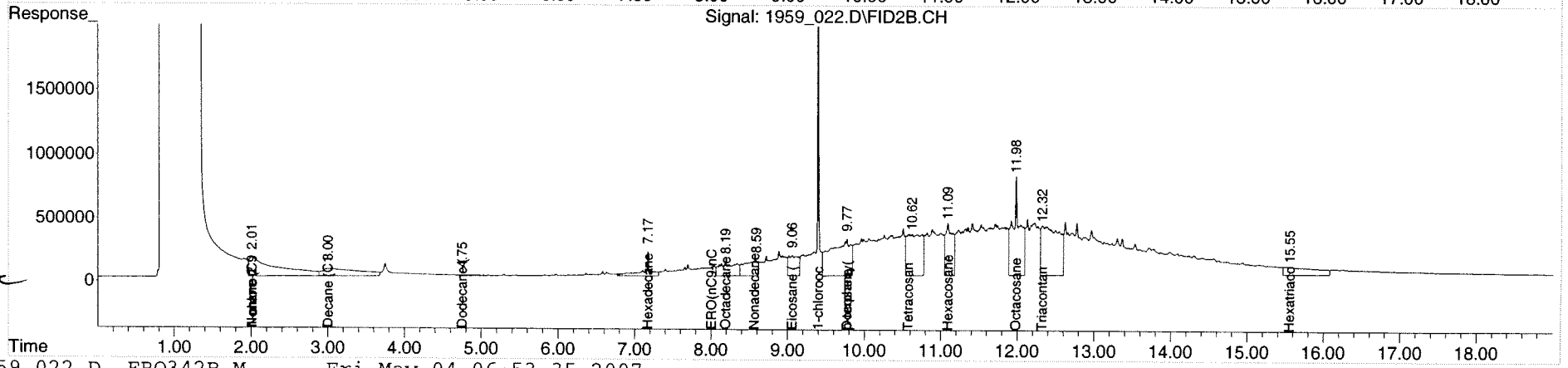
Data File : C:\MSDCHEM\1\DATA\1959\1959_022.D\FID1A.CH Vial: 22
Acq On : 04 May 2007 5:18 am Operator: HP Demo
Sample : A768794 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_022.D\FID2B.CH Vial: 22
Acq On : 04 May 2007 5:44 am Operator: HP Demo
Sample : A768794 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_023.D\FID1A.CH Vial: 23
Acq On : 04 May 2007 5:44 am Operator: HP Demo
Sample : A768795 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_023.D\FID2B.CH Vial: 23
Acq On : 04 May 2007 6:09 am Operator: HP Demo
Sample : A768795 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 06:53:36 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	27712591	N.D.	12.916	#
	Spiked Amount 10.000			Recovery	=	0.00%	129.16%	
2)	S 1-chlorooctadeca	9.72	9.39	24464578	27252027	21.596	21.565	
	Spiked Amount 20.000			Recovery	=	107.98%	107.83%	
3)	S p-terphenyl	10.15	9.77	2864947	6680371	1.477	3.141	#
	Spiked Amount 10.000			Recovery	=	14.77%	31.41%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	319.6E6	346.2E6	116.540	109.378	
5)	M Nonane (C9)	0.00	2.01	0	27712591	N.D.	3.442	#
6)	M Decane (C10)	3.04	3.00	5976046	15253264	1.823	1.691	
7)	M Dodecane (C12)	0.00	4.51	0	2037233	N.D.	0.541	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	1680889	2115106	0.580	0.664	
10)	M Octadecane (C18)	8.44	8.14	1027998	952523	0.339	0.291	
11)	M Nonadecane (C19)	8.87	8.65	1120199	1582313	0.376	0.485	#
12)	M Eicosane (C20)	9.38	9.01	2825682	2428428	0.950	0.745	
13)	M Docosane (C22)	10.15	9.77	2864947	6680371	0.952	2.006	#
14)	M Tetracosane (C24	10.89	10.58	3675325	3604782	1.225	1.091	
15)	M Hexacosane (C26)	11.59	11.23	4452951	5234382	1.520	1.614	
16)	M Octacosane (C28)	12.21	11.91	4292928	6164683	1.416	3.210	#
17)	M Triacontane (C30	12.91	12.49	4953174	3211282	1.791	0.938	#
18)	M Hexatriacontane	16.28	15.46	2042072	1422962	0.913	1.777	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

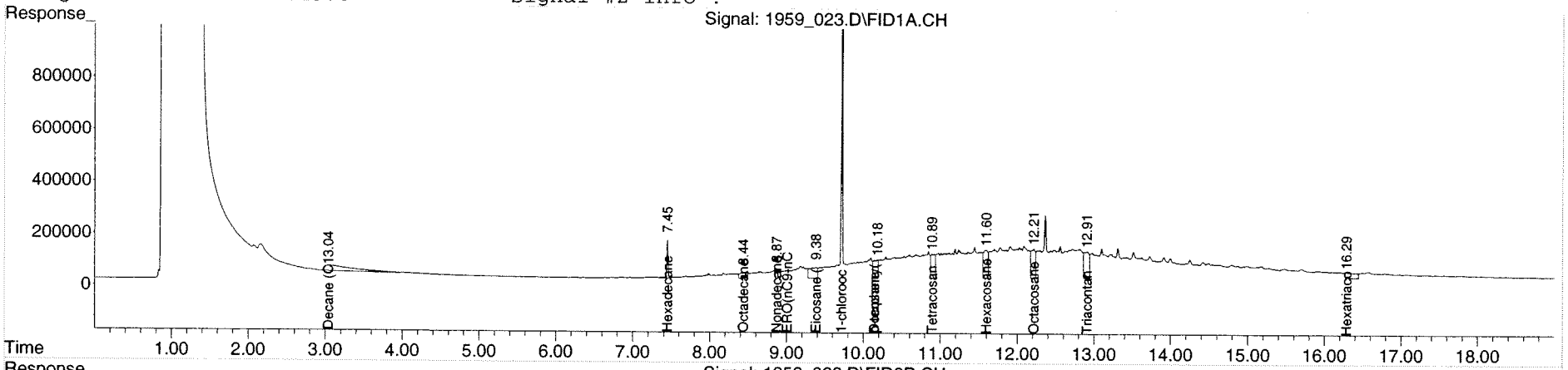
Quantitation Report (Not Reviewed)

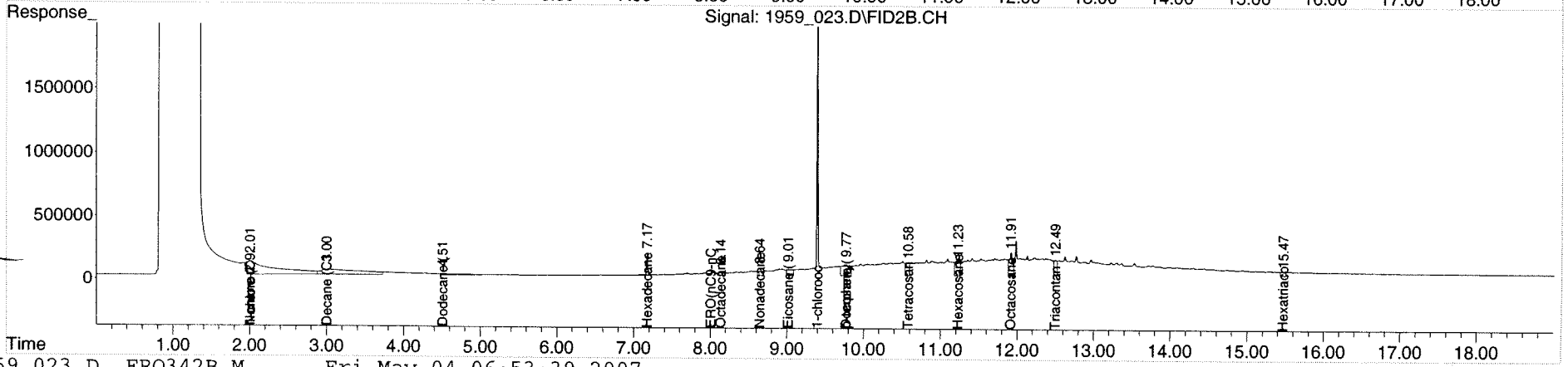
Data File : C:\MSDCHEM\1\DATA\1959\1959_023.D\FID1A.CH Vial: 23
Acq On : 04 May 2007 5:44 am Operator: HP Demo
Sample : A768795 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_023.D\FID2B.CH Vial: 23
Acq On : 04 May 2007 6:09 am Operator: HP Demo
Sample : A768795 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 6:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_024.D\FID1A.CH Vial: 24
Acq On : 04 May 2007 6:09 am Operator: HP Demo
Sample : A768796 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_024.D\FID2B.CH Vial: 24
Acq On : 04 May 2007 6:35 am Operator: HP Demo
Sample : A768796 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 08:16:28 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	25091906	N.D.	11.694	#
	Spiked Amount 10.000			Recovery	=	0.00%	116.94%	
2)	S 1-chlorooctadeca	9.72	9.39	21976250	22929150	19.399	18.144	
	Spiked Amount 20.000			Recovery	=	97.00%	90.72%	
3)	S p-terphenyl	10.09	9.77	12712571	9599734	6.552	4.513	#
	Spiked Amount 10.000			Recovery	=	65.52%	45.13%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	243.8E6	279.1E6	88.916	88.186	
5)	M Nonane (C9)	0.00	2.01	0	25091906	N.D.	3.117	#
6)	M Decane (C10)	3.04	3.00	4634807	21809956	1.414	2.418	#
7)	M Dodecane (C12)	0.00	4.77	0	1238941	N.D.	0.329	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	1276008	1250641	0.440	0.393	
10)	M Octadecane (C18)	8.49	8.14	1965878	968273	0.649	0.296	#
11)	M Nonadecane (C19)	9.02	8.65	4419683	1211910	1.484	0.371	#
12)	M Eicosane (C20)	9.34	9.01	1739561	1892132	0.585	0.581	
13)	M Docosane (C22)	10.09	9.77	12712571	9599734	4.224	2.882	#
14)	M Tetracosane (C24	10.85	10.58	8603650	4173043	2.868	1.263	#
15)	M Hexacosane (C26)	11.59	11.21	5575237	3922973	1.903	1.210	#
16)	M Octacosane (C28)	12.21	11.91	7302704	4494869	2.409	2.341	
17)	M Triacontane (C30	13.10	12.54	5464289	6698258	1.976	1.957	
18)	M Hexatriacontane	16.23	15.54	2039185	3452028	0.912	4.310	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

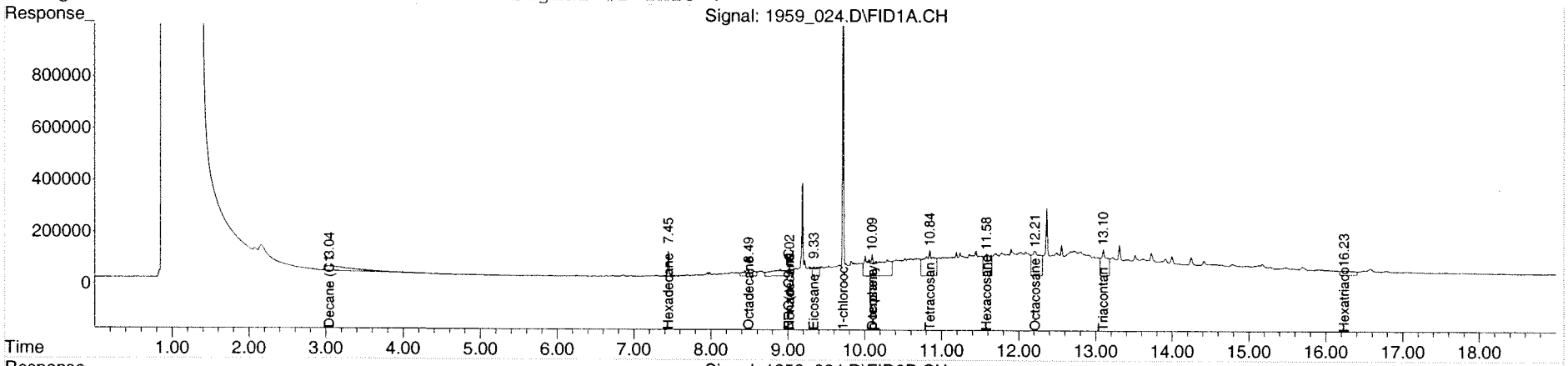
Quantitation Report (Not Reviewed)

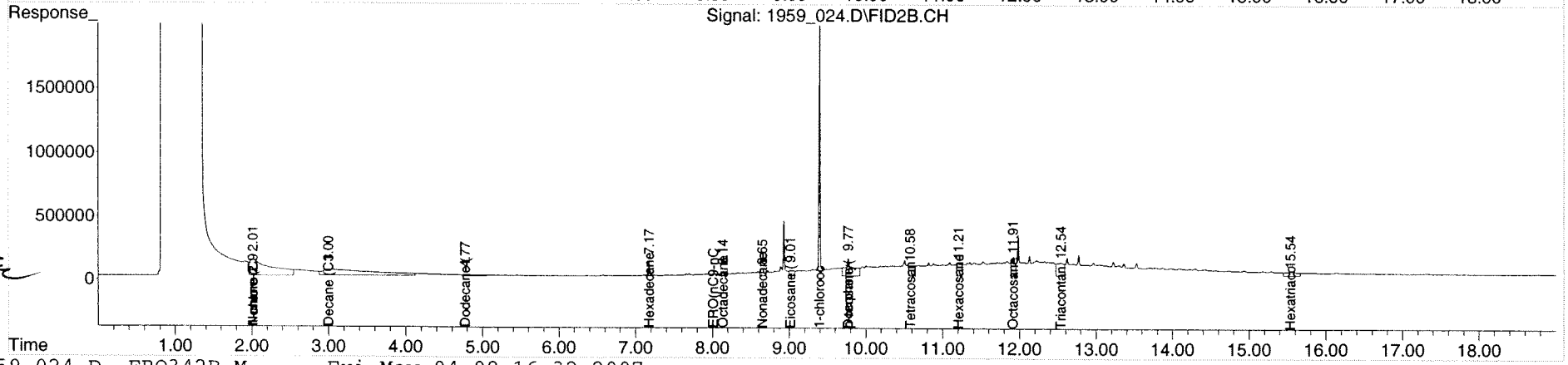
Data File : C:\MSDCHEM\1\DATA\1959\1959_024.D\FID1A.CH Vial: 24
Acq On : 04 May 2007 6:09 am Operator: HP Demo
Sample : A768796 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_024.D\FID2B.CH Vial: 24
Acq On : 04 May 2007 6:35 am Operator: HP Demo
Sample : A768796 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 8:16 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_025.D\FID1A.CH Vial: 25
Acq On : 04 May 2007 6:35 am Operator: HP Demo
Sample : A768797 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_025.D\FID2B.CH Vial: 25
Acq On : 04 May 2007 7:00 am Operator: HP Demo
Sample : A768797 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 08:16:33 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	24813324	N.D.	11.565	#
	Spiked Amount 10.000			Recovery	=	0.00%	115.65%	
2)	S 1-chlorooctadeca	9.72	9.39	18832713	21263216	16.624	16.826	
	Spiked Amount 20.000			Recovery	=	83.12%	84.13%	
3)	S p-terphenyl	10.10	9.77	783149	886086	0.404	0.417	
	Spiked Amount 10.000			Recovery	=	4.04%	4.17%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	71125680	65294932	25.939	20.631	
5)	M Nonane (C9)	0.00	2.01	0	24813324	N.D.	3.082	#
6)	M Decane (C10)	3.04	3.00	6494908	15744871	1.982	1.745	
7)	M Dodecane (C12)	0.00	4.75	0	787439	N.D.	0.209	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	1147976	1272347	0.396	0.400	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	9.30f	0.00	427454	0	0.144	N.D.	#
12)	M Eicosane (C20)	9.30	9.39f	427454	21263216	0.144	6.527	#
13)	M Docosane (C22)	10.10	9.77	783149	886086	0.260	0.266	
14)	M Tetracosane (C24	10.88	10.50	395886	794707	0.132	0.241	#
15)	M Hexacosane (C26)	11.57	11.20	869810	917615	0.297	0.283	
16)	M Octacosane (C28)	12.21	11.91	1453386	1379018	0.479	0.718	#
17)	M Triacontane (C30	12.91	12.50	2219974	726385	0.803	0.212	#
18)	M Hexatriacontane	16.26	15.54	1140523	2067967	0.510	2.582	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

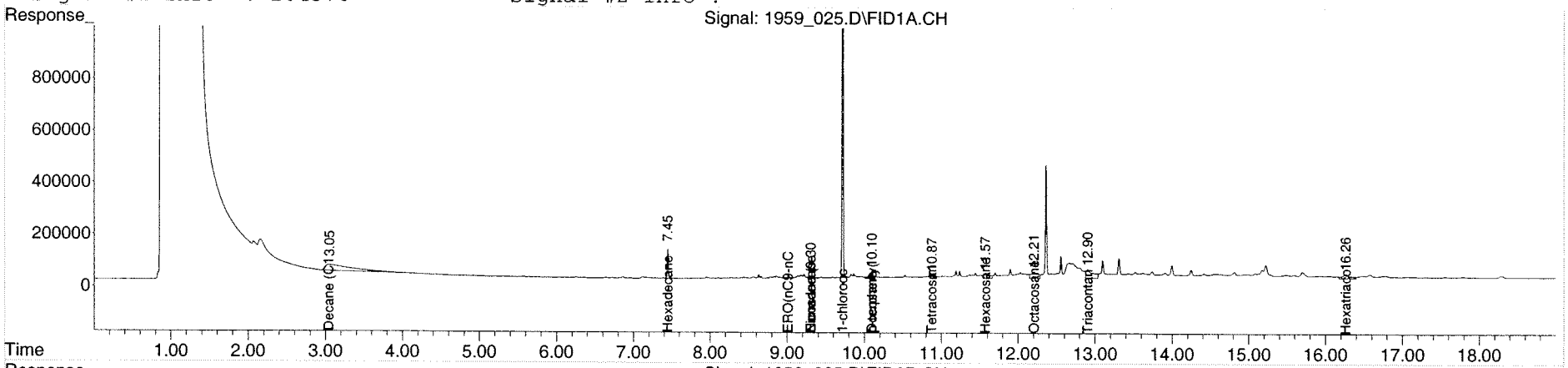
Quantitation Report (Not Reviewed)

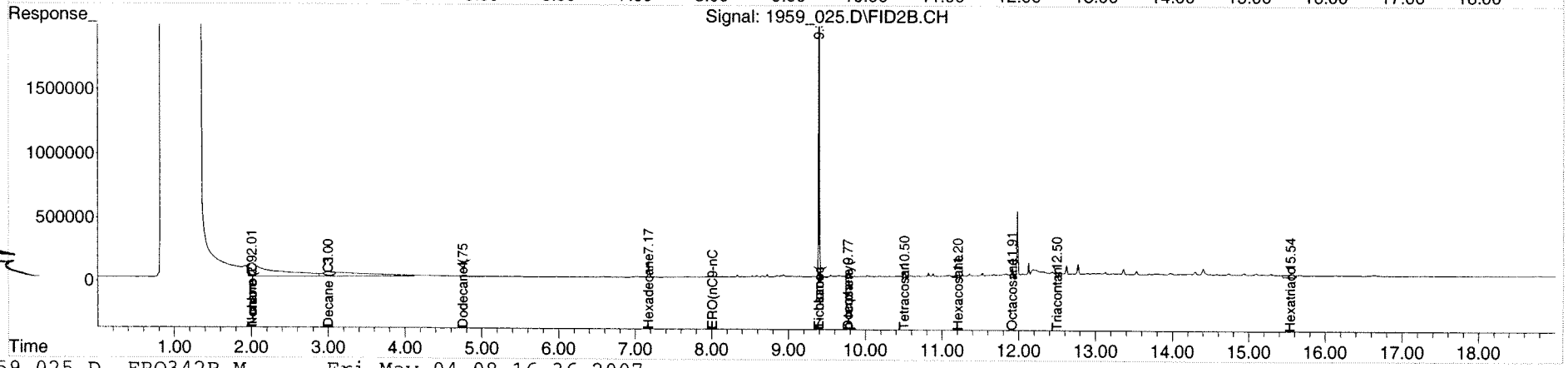
Data File : C:\MSDCHEM\1\DATA\1959\1959_025.D\FID1A.CH Vial: 25
Acq On : 04 May 2007 6:35 am Operator: HP Demo
Sample : A768797 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_025.D\FID2B.CH Vial: 25
Acq On : 04 May 2007 7:00 am Operator: HP Demo
Sample : A768797 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 8:16 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_026.D\FID1A.CH Vial: 26
Acq On : 04 May 2007 7:00 am Operator: HP Demo
Sample : A768798 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_026.D\FID2B.CH Vial: 26
Acq On : 04 May 2007 7:25 am Operator: HP Demo
Sample : A768798 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 08:16:37 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	27271602	N.D.	12.710 #
Spiked Amount 10.000			Recovery	=	0.00%	127.10%
2) S 1-chlorooctadeca	9.72	9.39	18803705	20807037	16.599	16.465
Spiked Amount 20.000			Recovery	=	82.99%	82.33%
3) S p-terphenyl	10.18	9.86	442063	861735	0.228	0.405 #
Spiked Amount 10.000			Recovery	=	2.28%	4.05%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	90115446	92728448	32.864	29.298
5) M Nonane (C9)	0.00	2.01	0	27271602	N.D.	3.387 #
6) M Decane (C10)	3.04	3.00	4901635	14920206	1.496	1.654
7) M Dodecane (C12)	0.00	4.65	0	1359180	N.D.	0.361 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	1825510	2010430	0.630	0.631
10) M Octadecane (C18)	8.84f	0.00	522473	0	0.172	N.D. #
11) M Nonadecane (C19)	8.90	8.94f	361562	1246903	0.121	0.382 #
12) M Eicosane (C20)	9.34	8.94	479452	1246903	0.161	0.383 #
13) M Docosane (C22)	10.18	9.86	442063	861735	0.147	0.259 #
14) M Tetracosane (C24	10.89	10.59	861170	1128387	0.287	0.342
15) M Hexacosane (C26)	11.57	11.20	1230901	1884645	0.420	0.581 #
16) M Octacosane (C28)	12.21	11.91	1781312	1830054	0.587	0.953 #
17) M Triacontane (C30	12.97	12.49	878784	961798	0.318	0.281
18) M Hexatriacontane	16.23	15.54	796099	1818444	0.356	2.270 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

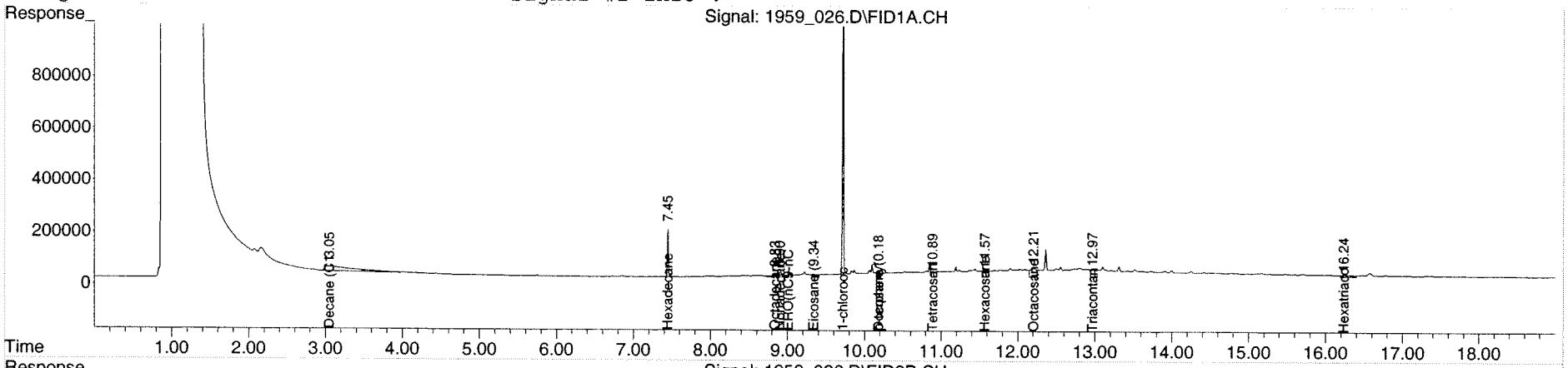
Quantitation Report (Not Reviewed)

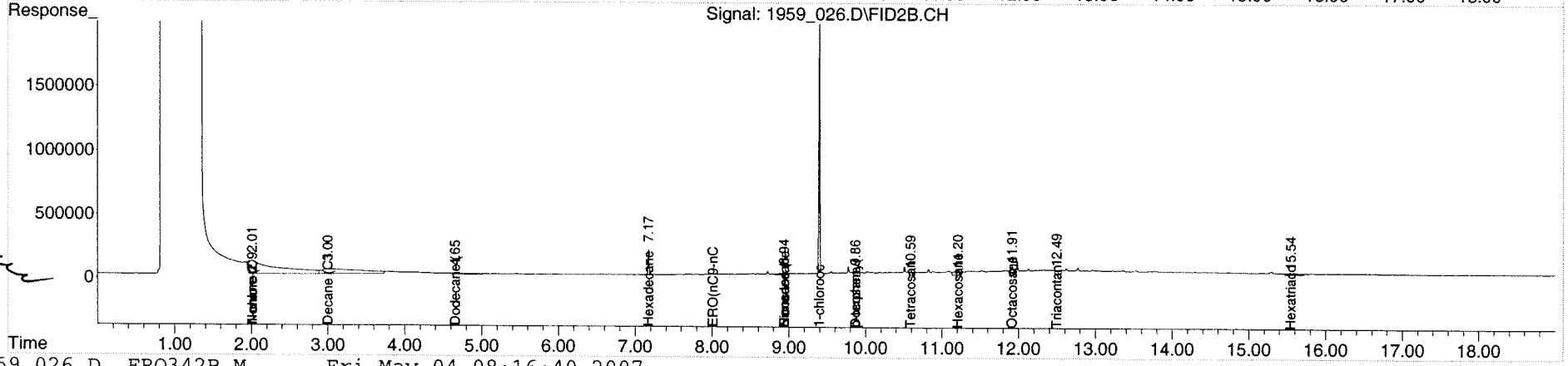
Data File : C:\MSDCHEM\1\DATA\1959\1959_026.D\FID1A.CH Vial: 26
Acq On : 04 May 2007 7:00 am Operator: HP Demo
Sample : A768798 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_026.D\FID2B.CH Vial: 26
Acq On : 04 May 2007 7:25 am Operator: HP Demo
Sample : A768798 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 8:16 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_027.D\FID1A.CH Vial: 27
Acq On : 04 May 2007 7:25 am Operator: HP Demo
Sample : A768799 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_027.D\FID2B.CH Vial: 27
Acq On : 04 May 2007 7:51 am Operator: HP Demo
Sample : A768799 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 08:16:41 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	34836796	N.D.	16.236	#
	Spiked Amount 10.000			Recovery	=	0.00%	162.36%	
2)	S 1-chlorooctadeca	9.72	9.40	52382530	58347486	46.240	46.172	
	Spiked Amount 20.000			Recovery	=	231.20%	230.86%	
3)	S p-terphenyl	10.09	9.82	37259849	33755702	19.203	15.869	
	Spiked Amount 10.000			Recovery	=	192.03%	158.69%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	3580.1E6	4281.7E6	1305.628	1352.830	
5)	M Nonane (C9)	0.00	2.01	0	34836796	N.D.	4.327	#
6)	M Decane (C10)	3.11	3.00	4699845	26849633	1.434	2.976	#
7)	M Dodecane (C12)	0.00	4.15f	0	2324001	N.D.	0.617	#
8)	M Tetradecane (C14	6.50	6.21	833572	1241627	0.292	0.388	#
9)	M Hexadecane (C16)	7.45	7.17	6849701	11183342	2.364	3.513	#
10)	M Octadecane (C18)	8.49	8.14	25426612	14661955	8.389	4.478	#
11)	M Nonadecane (C19)	8.87	8.63	14496273	11397909	4.869	3.494	#
12)	M Eicosane (C20)	9.34	9.01	25086324	16822756	8.436	5.164	#
13)	M Docosane (C22)	10.09	9.82	37259849	33755702	12.381	10.135	
14)	M Tetracosane (C24	10.93	10.58	66724982	90648399	22.245	27.437	
15)	M Hexacosane (C26)	11.60	11.23	58121621	62167833	19.839	19.170	
16)	M Octacosane (C28)	12.21	11.92	34416193	103.4E6	11.351	53.870	#
17)	M Triacontane (C30	12.98	12.50	27721777	35267647	10.024	10.302	
18)	M Hexatriacontane	16.25	15.49	19580728	7650768	8.756	9.553	

delete

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

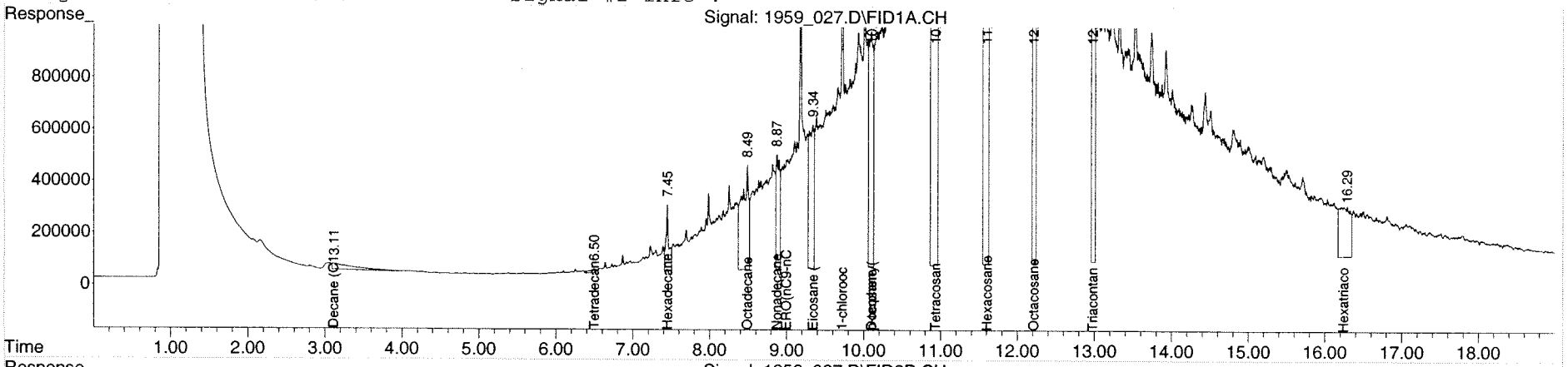
Quantitation Report (Not Reviewed)

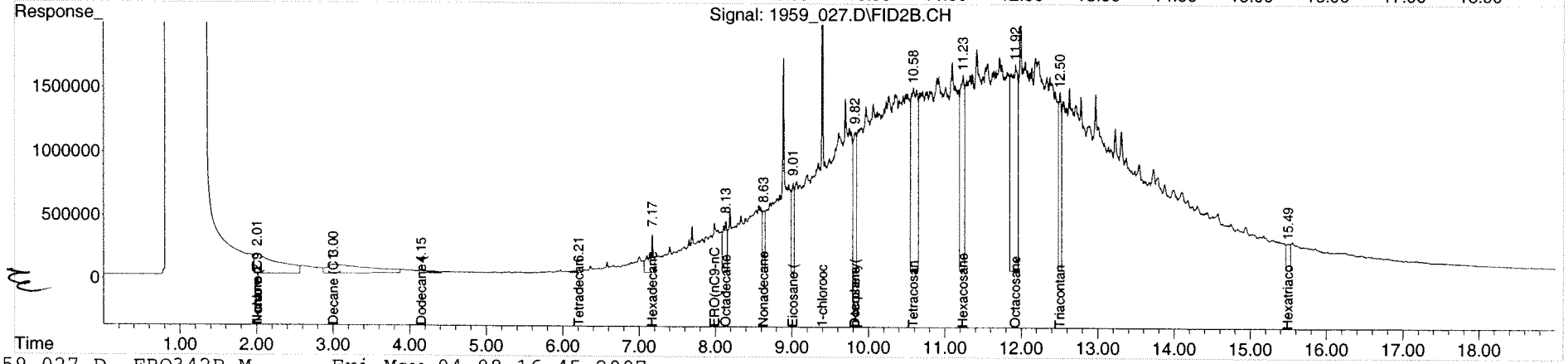
Data File : C:\MSDCHEM\1\DATA\1959\1959_027.D\FID1A.CH Vial: 27
Acq On : 04 May 2007 7:25 am Operator: HP Demo
Sample : A768799 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_027.D\FID2B.CH Vial: 27
Acq On : 04 May 2007 7:51 am Operator: HP Demo
Sample : A768799 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 8:16 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_028.D\FID1A.CH Vial: 28
Acq On : 04 May 2007 7:51 am Operator: HP Demo
Sample : A768800 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_028.D\FID2B.CH Vial: 28
Acq On : 04 May 2007 8:17 am Operator: HP Demo
Sample : A768800 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 09:03:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	24783613	N.D.	11.551 #
Spiked Amount 10.000			Recovery	=	0.00%	115.51%
2) S 1-chlorooctadeca	9.72	9.39	27657425	26978862	24.414	21.349
Spiked Amount 20.000			Recovery	=	122.07%	106.75%
3) S p-terphenyl	10.10	9.77	7040356	17631206	3.629	8.289 #
Spiked Amount 10.000			Recovery	=	36.29%	82.89%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	601.3E6	598.4E6	219.285	189.068
5) M Nonane (C9)	0.00	2.01	0	24783613	N.D.	3.078 #
6) M Decane (C10)	3.04	3.00	6932968	12643682	2.115	1.402 #
7) M Dodecane (C12)	0.00	4.15f	0	1647822	N.D.	0.437 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	1457067	1678112	0.503	0.527
10) M Octadecane (C18)	8.49	8.14	3136249	1706806	1.035	0.521 #
11) M Nonadecane (C19)	8.87	8.72	1962671	8984304	0.659	2.754 #
12) M Eicosane (C20)	9.37	9.04	5695422	5178057	1.915	1.590
13) M Docosane (C22)	10.10	9.77	7040356	17631206	2.339	5.294 #
14) M Tetracosane (C24	10.89	10.50	3744541	14104742	1.248	4.269 #
15) M Hexacosane (C26)	11.59	11.20	20804887	8309554	7.102	2.562 #
16) M Octacosane (C28)	12.21	11.91	7672691	9445804	2.531	4.919 #
17) M Triacontane (C30	13.01	12.49	5972390	5683825	2.160	1.660
18) M Hexatriacontane	16.29	15.52	1769948	7400842	0.791	9.241 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

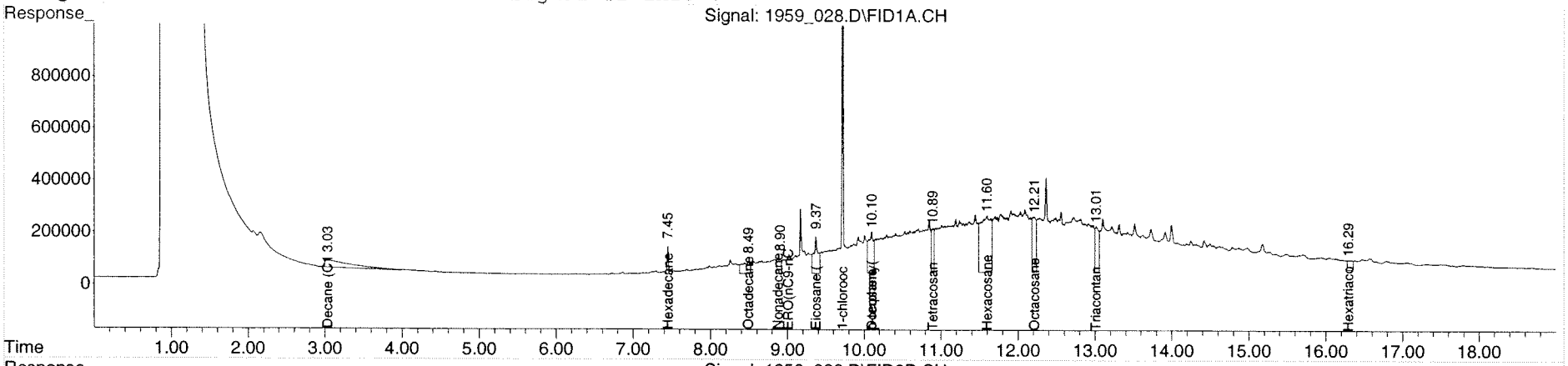
Quantitation Report (Not Reviewed)

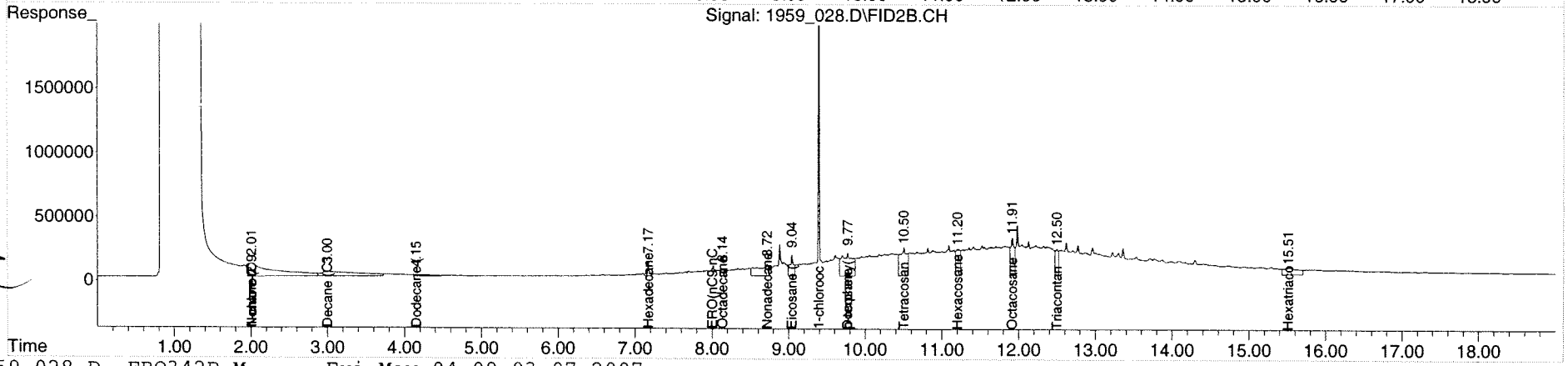
Data File : C:\MSDCHEM\1\DATA\1959\1959_028.D\FID1A.CH Vial: 28
Acq On : 04 May 2007 7:51 am Operator: HP Demo
Sample : A768800 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_028.D\FID2B.CH Vial: 28
Acq On : 04 May 2007 8:17 am Operator: HP Demo
Sample : A768800 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 9:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_029.D\FID1A.CH Vial: 29
Acq On : 04 May 2007 8:17 am Operator: HP Demo
Sample : A768801 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_029.D\FID2B.CH Vial: 29
Acq On : 04 May 2007 8:42 am Operator: HP Demo
Sample : A768801 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 09:03:09 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	27559562	N.D.	12.845 #
Spiked Amount 10.000			Recovery	=	0.00%	128.45%
2) S 1-chlorooctadeca	9.72	9.39	32594178	25994363	28.772	20.570 #
Spiked Amount 20.000			Recovery	=	143.86%	102.85%
3) S p-terphenyl	10.10	9.76	4817548	7495601	2.483	3.524 #
Spiked Amount 10.000			Recovery	=	24.83%	35.24%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	614.3E6	686.7E6	224.024	216.968
5) M Nonane (C9)	0.00	2.01	0	27559562	N.D.	3.423 #
6) M Decane (C10)	3.04	3.00	4612117	26512662	1.407	2.939 #
7) M Dodecane (C12)	0.00	4.55	0	700141	N.D.	0.186 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	1790791	1761779	0.618	0.553
10) M Octadecane (C18)	8.44	8.14	1936085	2086865	0.639	0.637
11) M Nonadecane (C19)	8.90	8.64	2340161	3425057	0.786	1.050 #
12) M Eicosane (C20)	9.38	9.02	4657850	5816670	1.566	1.786
13) M Docosane (C22)	10.10	9.76	4817548	7495601	1.601	2.251 #
14) M Tetracosane (C24	10.85	10.59	6210757	10740031	2.071	3.251 #
15) M Hexacosane (C26)	11.60	11.22	10342170	10086629	3.530	3.110
16) M Octacosane (C28)	12.20	11.92	17409257	10332975	5.742	5.381
17) M Triacontane (C30	12.97	12.50	5267349	16692495	1.905	4.876 #
18) M Hexatriacontane	16.29	15.54	1608105	5260598	0.719	6.568 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

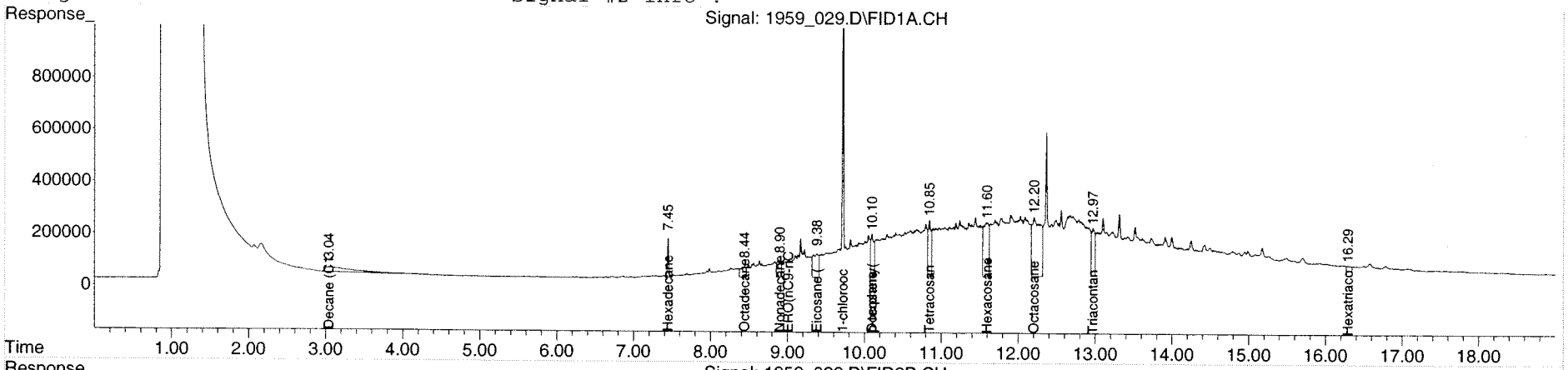
Quantitation Report (Not Reviewed)

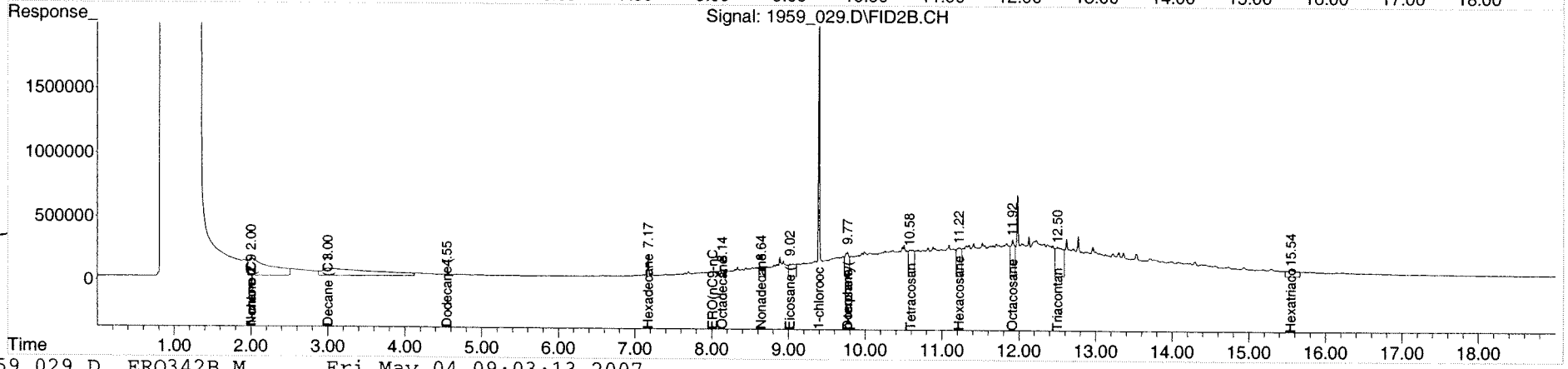
Data File : C:\MSDCHEM\1\DATA\1959\1959_029.D\FID1A.CH Vial: 29
Acq On : 04 May 2007 8:17 am Operator: HP Demo
Sample : A768801 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_029.D\FID2B.CH Vial: 29
Acq On : 04 May 2007 8:42 am Operator: HP Demo
Sample : A768801 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 9:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_030.D\FID1A.CH Vial: 30
Acq On : 04 May 2007 8:42 am Operator: HP Demo
Sample : A768802 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_030.D\FID2B.CH Vial: 30
Acq On : 04 May 2007 9:07 am Operator: HP Demo
Sample : A768802 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 09:31:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	0.00	2.01	0	20486918	N.D.	9.548	#
Spiked Amount 10.000			Recovery	=	0.00%	95.48%	
2) S 1-chlorooctadeca	9.72	9.39	32995760	30862687	29.126	24.422	
Spiked Amount 20.000			Recovery	=	145.63%	122.11%	
3) S p-terphenyl	10.10	9.82	7962729	8588151	4.104	4.037	
Spiked Amount 10.000			Recovery	=	41.04%	40.37%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	1086.0E6	1238.2E6	396.046	391.205	
5) M Nonane (C9)	0.00	2.01	0	20486918	N.D.	2.545	#
6) M Decane (C10)	3.04	3.01	6509024	14254721	1.986	1.580	
7) M Dodecane (C12)	0.00	4.71	0	733804	N.D.	0.195	#
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9) M Hexadecane (C16)	7.45	7.17	1934130	2771994	0.667	0.871	#
10) M Octadecane (C18)	8.44	8.14	3741681	3549937	1.234	1.084	
11) M Nonadecane (C19)	8.87	8.53	4590030	7964527	1.542	2.441	#
12) M Eicosane (C20)	9.38	9.05	15766905	5793221	5.302	1.778	#
13) M Docosane (C22)	10.10	9.82	7962729	8588151	2.646	2.579	
14) M Tetracosane (C24	10.89	10.58	15148452	22146011	5.050	6.703	#
15) M Hexacosane (C26)	11.59	11.23	23470609	20315904	8.011	6.265	
16) M Octacosane (C28)	12.21	11.92	30375272	23293620	10.018	12.131	
17) M Triacontane (C30	12.90	12.49	13064841	14657310	4.724	4.281	
18) M Hexatriacontane	16.22	15.45	6731791	3983921	3.010	4.974	#

delete

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

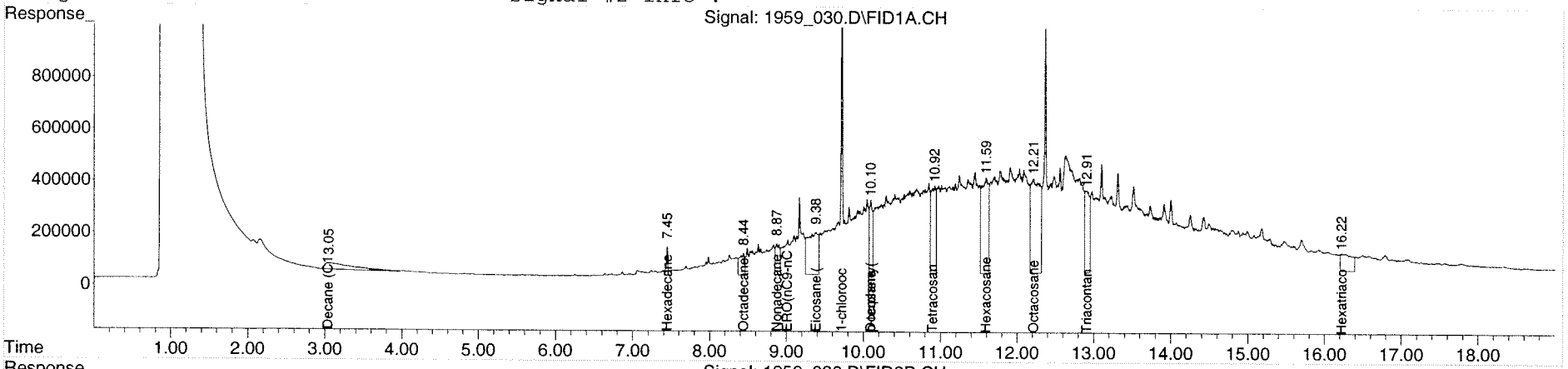
Quantitation Report (Not Reviewed)

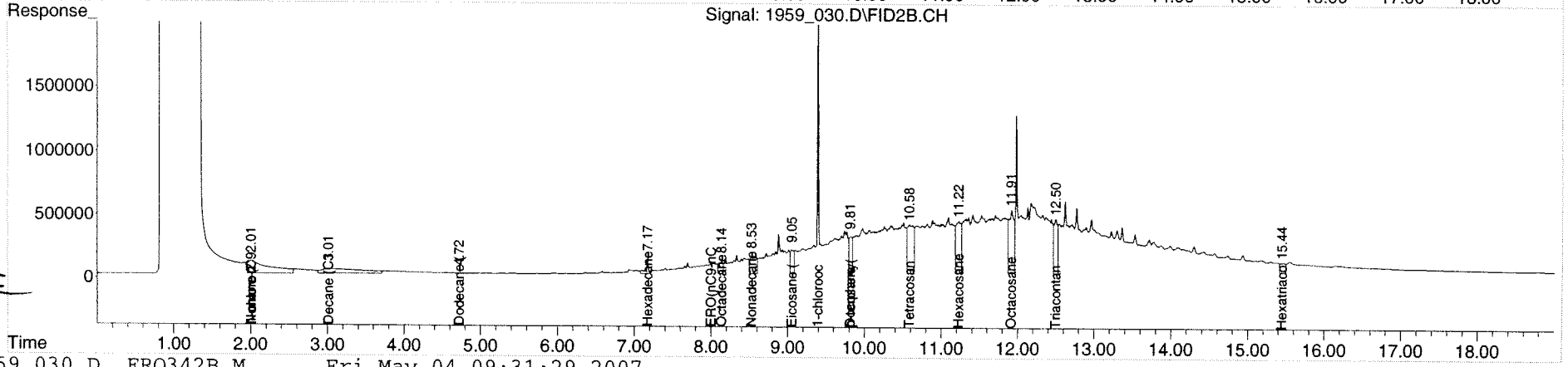
Data File : C:\MSDCHEM\1\DATA\1959\1959_030.D\FID1A.CH Vial: 30
Acq On : 04 May 2007 8:42 am Operator: HP Demo
Sample : A768802 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_030.D\FID2B.CH Vial: 30
Acq On : 04 May 2007 9:07 am Operator: HP Demo
Sample : A768802 FID S1192 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 9:31 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_031.D\FID1A.CH Vial: 31
Acq On : 04 May 2007 9:07 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_031.D\FID2B.CH Vial: 31
Acq On : 04 May 2007 9:38 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:19 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2) S 1-chlorooctadeca	10.10f	0.00	559472	0	0.494	N.D.	#
Spiked Amount 20.000			Recovery	=	2.47%	0.00%	
3) S p-terphenyl	10.10	0.00	559472	0	0.288	N.D.	#
Spiked Amount 10.000			Recovery	=	2.88%	0.00%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	69774417	51480544	25.446	16.266	#
5) M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6) M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7) M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9) M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10) M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11) M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12) M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13) M Docosane (C22)	10.10	0.00	559472	0	0.186	N.D.	#
14) M Tetracosane (C24	10.85	10.45	1112474	770063	0.371	0.233	#
15) M Hexacosane (C26)	11.57	11.35	1533940	1161659	0.524	0.358	#
16) M Octacosane (C28)	12.17	11.92	1061276	2436408	0.350	1.269	#
17) M Triacontane (C30	12.89	12.39	1622940	2368866	0.587	0.692	
18) M Hexatriacontane	16.32	15.49	654980	3668135	0.293	4.580	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

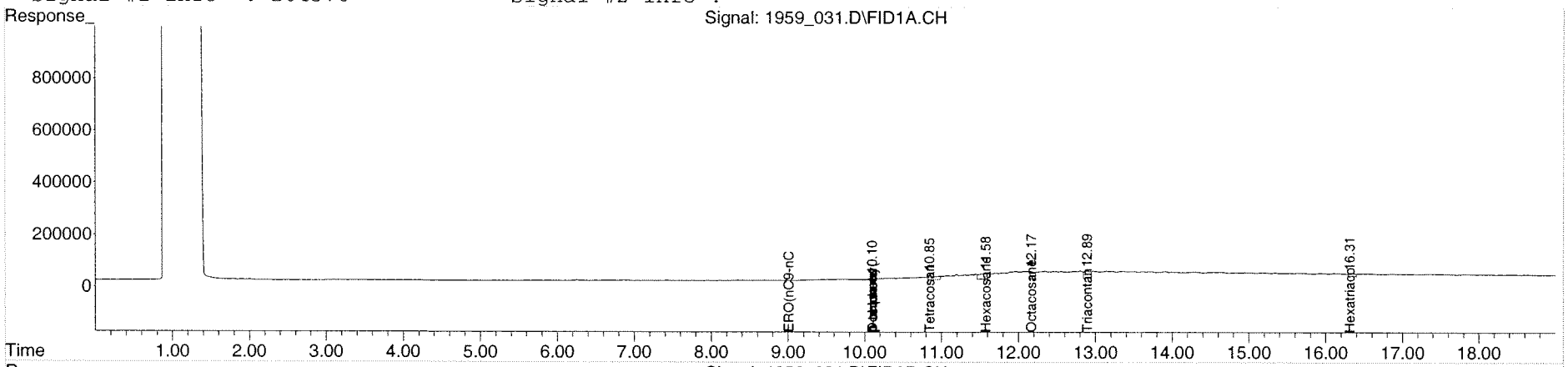
Quantitation Report (Not Reviewed)

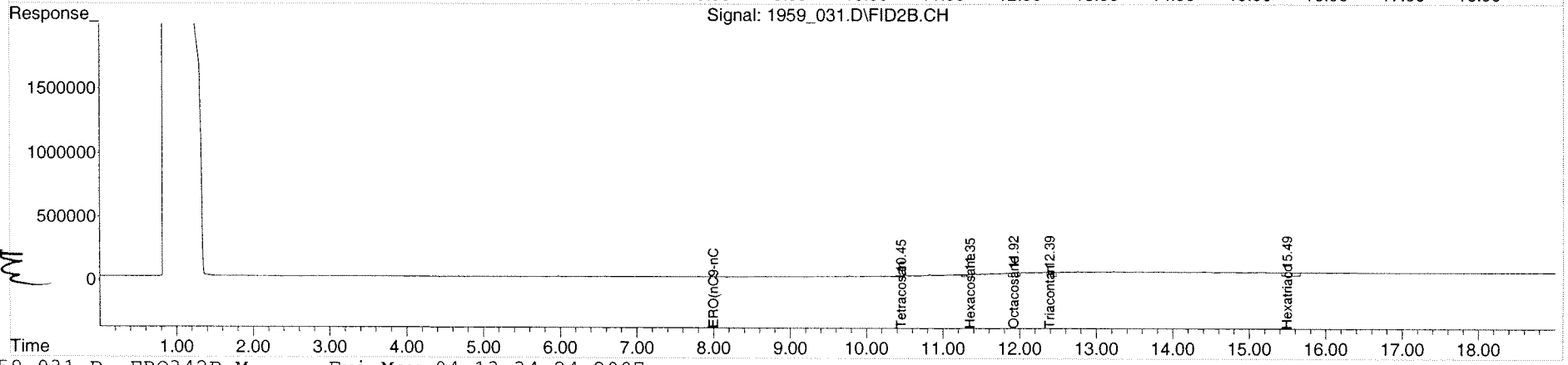
Data File : C:\MSDCHEM\1\DATA\1959\1959_031.D\FID1A.CH Vial: 31
Acq On : 04 May 2007 9:07 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_031.D\FID2B.CH Vial: 31
Acq On : 04 May 2007 9:38 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_032.D\FID1A.CH Vial: 32
Acq On : 04 May 2007 9:38 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_032.D\FID2B.CH Vial: 32
Acq On : 04 May 2007 10:03 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:25 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000			Recovery	=	0.00%	0.00%	
3)	S p-terphenyl	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	31584463	36943853	11.519	11.673	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	0.00	0.00	0	0	N.D.	N.D.	
14)	M Tetracosane (C24	10.85	0.00	462623	0	0.154	N.D.	#
15)	M Hexacosane (C26)	11.57	11.51f	463695	1328119	0.158	0.410	#
16)	M Octacosane (C28)	12.21	12.32f	810000	6392753	0.267	3.329	#
17)	M Triacontane (C30	12.89	12.32	771278	6392753	0.279	1.867	#
18)	M Hexatriacontane	16.50	15.57	1079264	4300659	0.483	5.370	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

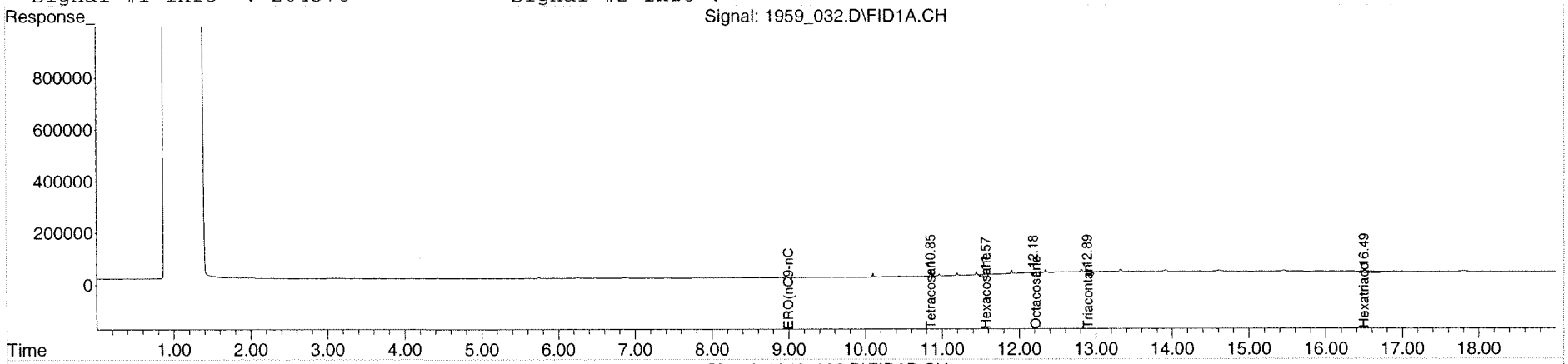
Quantitation Report (Not Reviewed)

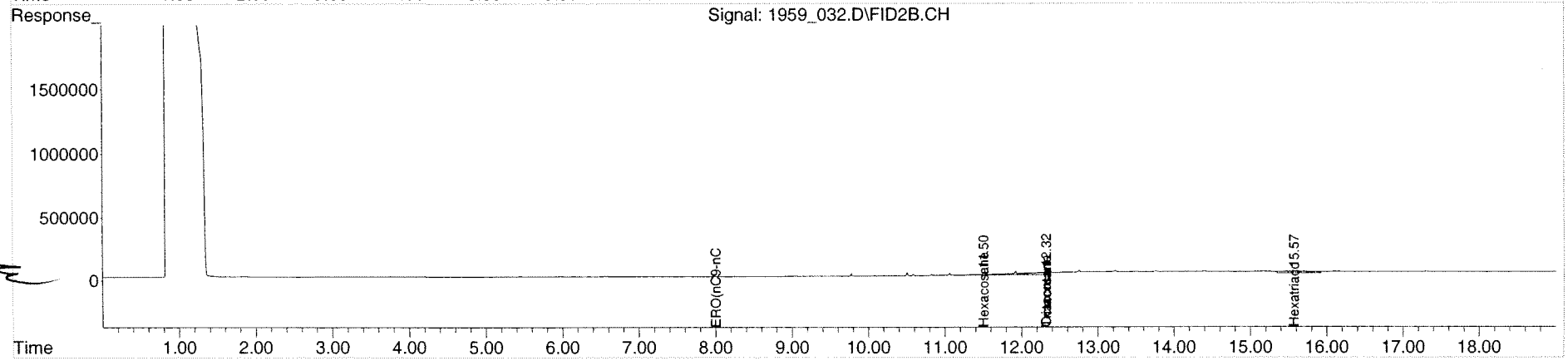
Data File : C:\MSDCHEM\1\DATA\1959\1959_032.D\FID1A.CH Vial: 32
Acq On : 04 May 2007 9:38 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_032.D\FID2B.CH Vial: 32
Acq On : 04 May 2007 10:03 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_033.D\FID1A.CH Vial: 33
Acq On : 04 May 2007 10:03 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_033.D\FID2B.CH Vial: 33
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:29 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	2.15	2.00	8658550	17629604	11.619	8.217 #
Spiked Amount 10.000			Recovery	=	116.19%	82.17%
2) S 1-chlorooctadeca	9.72	9.39	21704102	25306255	19.159	20.025
Spiked Amount 20.000			Recovery	=	95.80%	100.13%
3) S p-terphenyl	10.15	9.81	19177978	23014866	9.884	10.820
Spiked Amount 10.000			Recovery	=	98.84%	108.20%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	250.2E6	290.4E6	91.252	91.752
5) M Nonane (C9)	2.38	2.19	8545082	46931270	5.835	5.829
6) M Decane (C10)	3.17	2.94	21260692	52181547	6.487	5.785
7) M Dodecane (C12)	4.81	4.53	18090475	26418376	6.598	7.011
8) M Tetradecane (C14	6.25	5.96	18546185	22182034	6.497	6.926
9) M Hexadecane (C16)	7.43	7.14	18853091	22042030	6.506	6.923
10) M Octadecane (C18)	8.44	8.14	19157866	22413617	6.321	6.845
11) M Nonadecane (C19)	8.90	8.59	19124465	22147665	6.423	6.789
12) M Eicosane (C20)	9.34	9.02	19149212	22249985	6.439	6.830
13) M Docosane (C22)	10.15	9.81	19177978	23014866	6.372	6.910
14) M Tetracosane (C24	10.89	10.54	19260266	22893712	6.421	6.929
15) M Hexacosane (C26)	11.58	11.21	18891200	22110049	6.448	6.818
16) M Octacosane (C28)	12.22	11.92	18636115	1651556	6.146	0.860 #
17) M Triacontane (C30	12.92	12.44	18310995	21039146	6.621	6.145
18) M Hexatriacontane	16.28	15.41	13193540	2018618	5.900	2.520 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

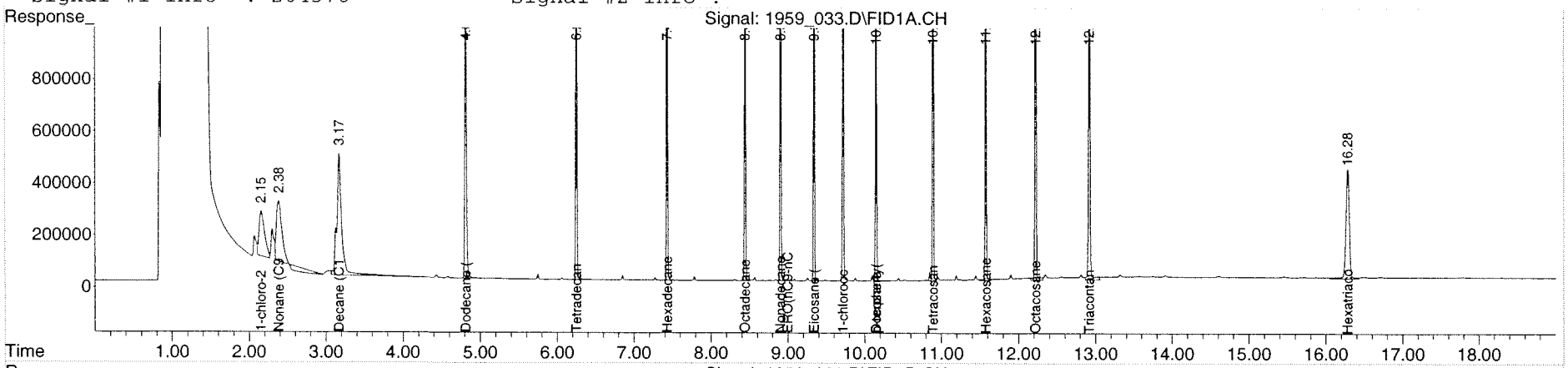
Quantitation Report (Not Reviewed)

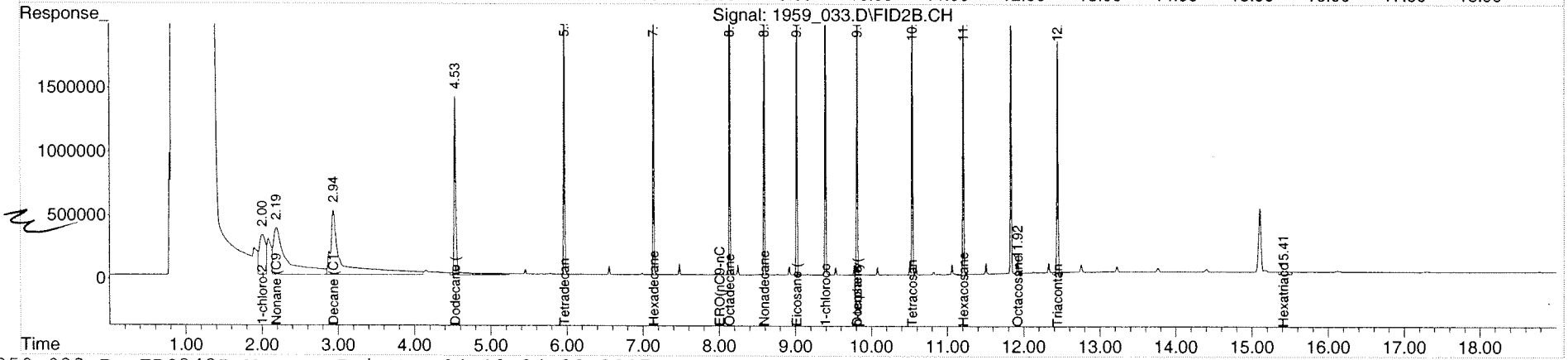
Data File : C:\MSDCHEM\1\DATA\1959\1959_033.D\FID1A.CH Vial: 33
Acq On : 04 May 2007 10:03 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_033.D\FID2B.CH Vial: 33
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID1A.CH Vial: 34
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID2B.CH Vial: 34
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:33 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	29588657	N.D.	13.790	#
	Spiked Amount 10.000			Recovery	=	0.00%	137.90%	
2)	S 1-chlorooctadeca	9.72	9.39	18891682	13885159	16.676	10.988	#
	Spiked Amount 20.000			Recovery	=	83.38%	54.94%	
3)	S p-terphenyl	10.15	9.81	4557650	2945728	2.349	1.385	#
	Spiked Amount 10.000			Recovery	=	23.49%	13.85%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	262.9E6	312.2E6	95.877	98.650	
5)	M Nonane (C9)	0.00	2.01	0	29588657	N.D.	3.675	#
6)	M Decane (C10)	3.04	3.00	6780526	15551600	2.069	1.724	
7)	M Dodecane (C12)	0.00	4.33	0	737913	N.D.	0.196	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	1001243	1246554	0.346	0.392	
10)	M Octadecane (C18)	8.44	8.14	870503	764324	0.287	0.233	
11)	M Nonadecane (C19)	8.90	8.53	1100799	1024467	0.370	0.314	
12)	M Eicosane (C20)	9.38	9.01	2198916	2253879	0.739	0.692	
13)	M Docosane (C22)	10.15	9.81	4557650	2945728	1.514	0.884	#
14)	M Tetracosane (C24	10.89	10.59	1808012	4970491	0.603	1.504	#
15)	M Hexacosane (C26)	11.59	11.20	4792211	7003451	1.636	2.160	#
16)	M Octacosane (C28)	12.21	11.92	4723018	6247618	1.558	3.254	#
17)	M Triacontane (C30	12.97	12.49	5185260	3018208	1.875	0.882	#
18)	M Hexatriacontane	16.22	15.52	1553395	2489718	0.695	3.109	#

Blow

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

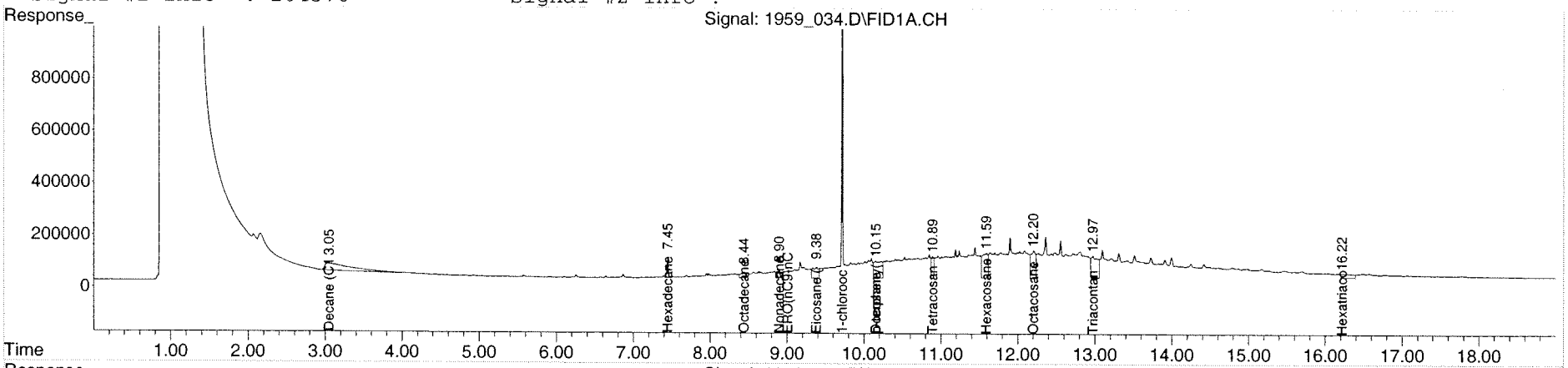
Quantitation Report (Not Reviewed)

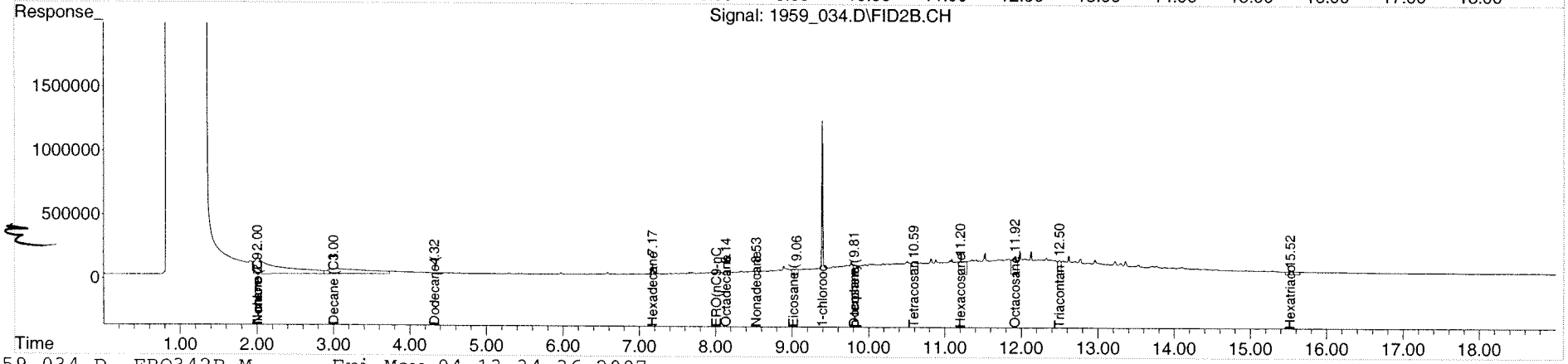
Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID1A.CH Vial: 34
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID2B.CH Vial: 34
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID1A.CH Vial: 34
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID2B.CH Vial: 34
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:33 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	29588657	N.D.	13.790	#
	Spiked Amount 10.000			Recovery	=	0.00%	137.90%	
2)	S 1-chlorooctadeca	9.71	9.39	9618426	13885159	8.491m	10.988	#
	Spiked Amount 20.000			Recovery	=	42.45%	54.94%	
3)	S p-terphenyl	10.15	9.81	4557650	2945728	2.349	1.385	#
	Spiked Amount 10.000			Recovery	=	23.49%	13.85%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	272.2E6	312.2E6	99.259	98.650	
5)	M Nonane (C9)	0.00	2.01	0	29588657	N.D.	3.675	#
6)	M Decane (C10)	3.04	3.00	6780526	15551600	2.069	1.724	
7)	M Dodecane (C12)	0.00	4.33	0	737913	N.D.	0.196	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	1001243	1246554	0.346	0.392	
10)	M Octadecane (C18)	8.44	8.14	870503	764324	0.287	0.233	
11)	M Nonadecane (C19)	8.90	8.53	1100799	1024467	0.370	0.314	
12)	M Eicosane (C20)	9.38	9.01	2198916	2253879	0.739	0.692	
13)	M Docosane (C22)	10.15	9.81	4557650	2945728	1.514	0.884	#
14)	M Tetracosane (C24	10.89	10.59	1808012	4970491	0.603	1.504	#
15)	M Hexacosane (C26)	11.59	11.20	4792211	7003451	1.636	2.160	#
16)	M Octacosane (C28)	12.21	11.92	4723018	6247618	1.558	3.254	#
17)	M Triacontane (C30	12.97	12.49	5185260	3018208	1.875	0.882	#
18)	M Hexatriacontane	16.22	15.52	1553395	2489718	0.695	3.109	#

after

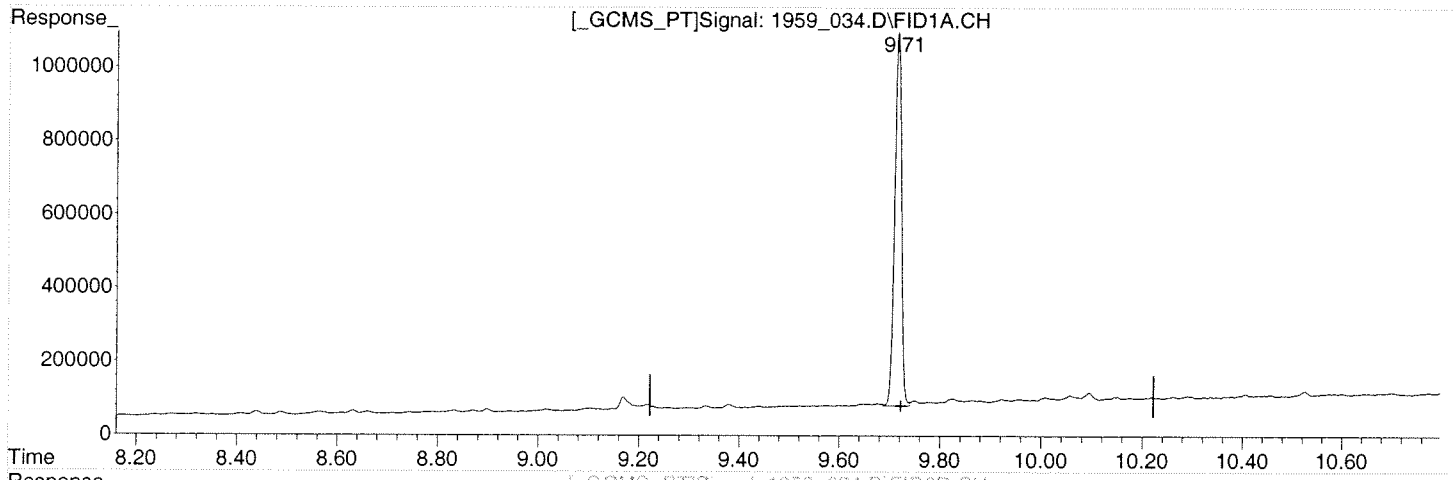
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

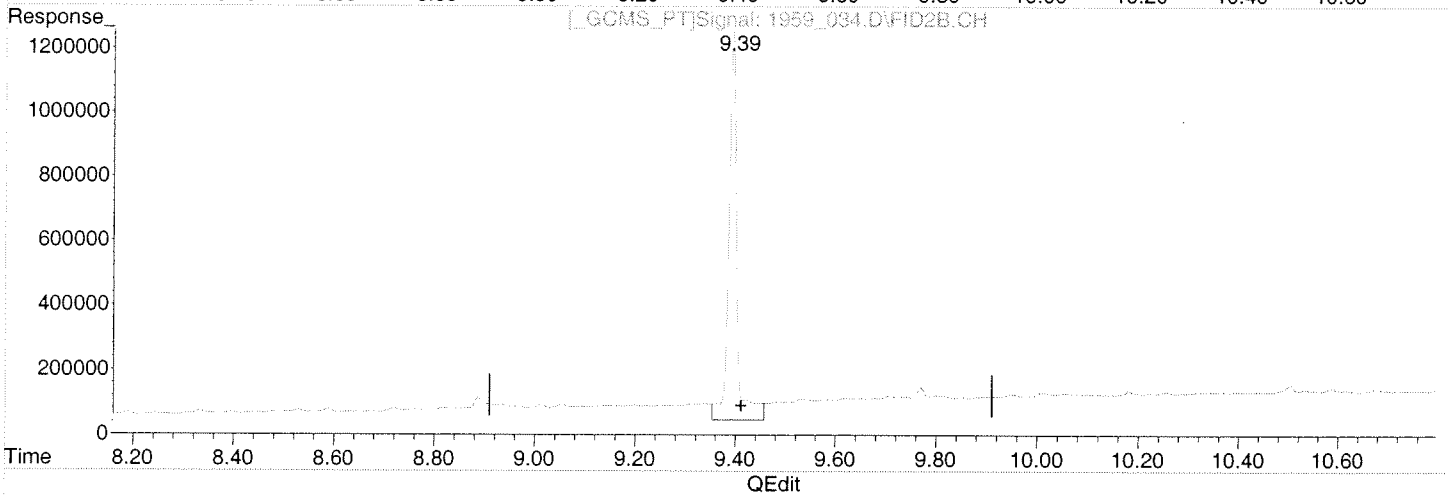
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID1A.CH Vial: 34
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID2B.CH Vial: 34
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration





(2) 1-chlorooctadecane (S)

9.71min 8.491mg/L m

response 9618426

(2) 1-chlorooctadecane #2 (S)

9.39min 10.988mg/L

response 13885159

(+) = Expected Retention Time

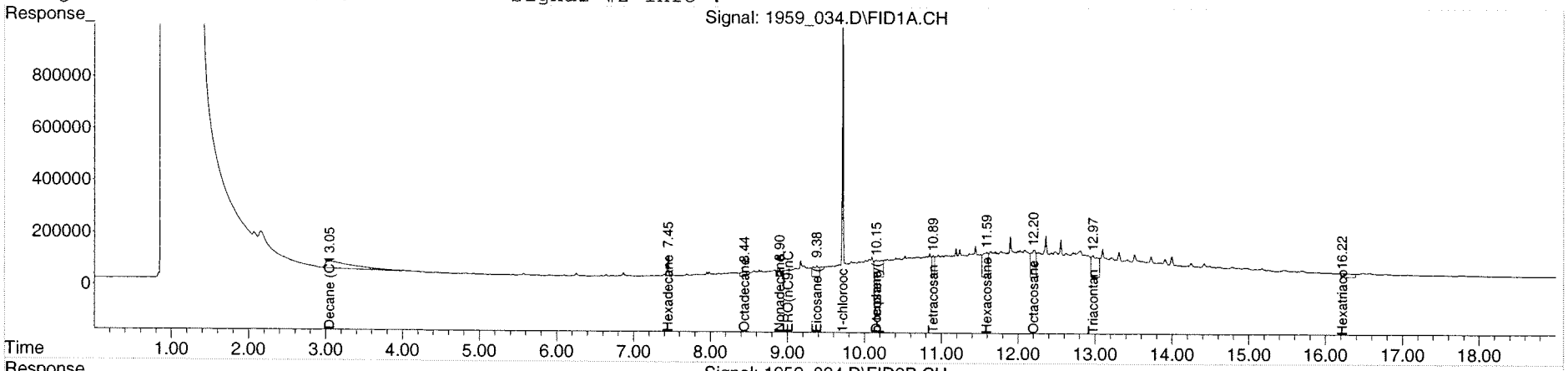
Quantitation Report (QT Reviewed)

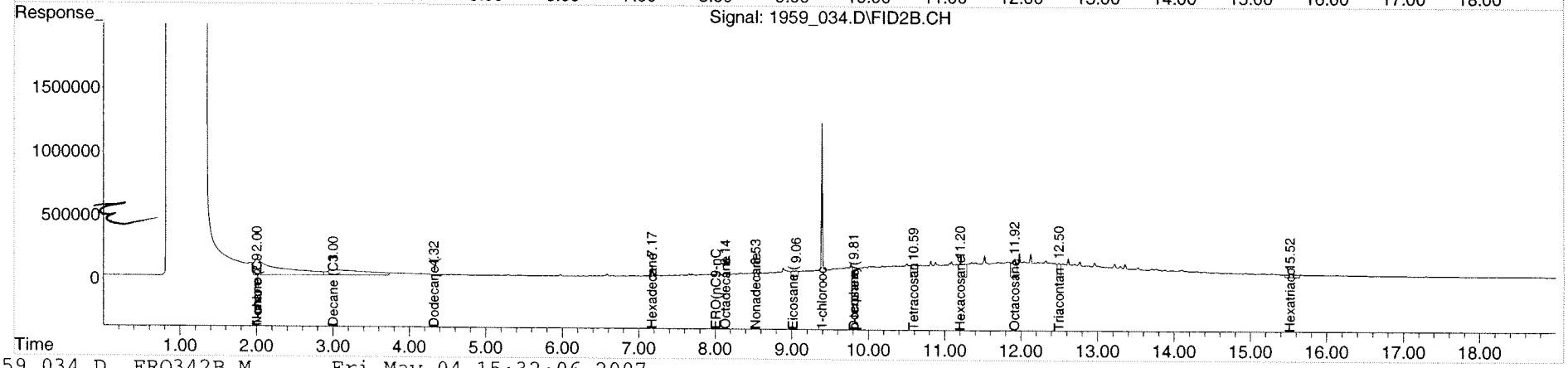
Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID1A.CH Vial: 34
Acq On : 04 May 2007 10:29 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_034.D\FID2B.CH Vial: 34
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768784 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:31 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID1A.CH Vial: 35
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID2B.CH Vial: 35
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:37 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	30529258	N.D.	14.229	#
	Spiked Amount 10.000			Recovery	=	0.00%	142.29%	
2)	S 1-chlorooctadeca	9.72	9.39	15979374	16390560	14.106	12.970	
	Spiked Amount 20.000			Recovery	=	70.53%	64.85%	
3)	S p-terphenyl	10.15	9.81	3612238	4665773	1.862	2.193	
	Spiked Amount 10.000			Recovery	=	18.62%	21.93%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	366.5E6	450.0E6	133.650	142.183	
5)	M Nonane (C9)	0.00	2.01	0	30529258	N.D.	3.792	#
6)	M Decane (C10)	3.04	3.00	7569561	19675772	2.310	2.181	
7)	M Dodecane (C12)	0.00	4.15f	0	2334262	N.D.	0.619	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	994060	1866053	0.343	0.586	#
10)	M Octadecane (C18)	8.44	8.14	1274402	1393054	0.420	0.425	
11)	M Nonadecane (C19)	8.90	8.53	1461078	4212270	0.491	1.291	#
12)	M Eicosane (C20)	9.34	9.05	1200641	4869578	0.404	1.495	#
13)	M Docosane (C22)	10.15	9.81	3612238	4665773	1.200	1.401	
14)	M Tetracosane (C24	10.89	10.59	4612527	2771945	1.538	0.839	#
15)	M Hexacosane (C26)	11.59	11.21	6321088	7050362	2.158	2.174	
16)	M Octacosane (C28)	12.20	11.91	6590941	6341431	2.174	3.303	#
17)	M Triacontane (C30	12.97	12.49	3761262	11117570	1.360	3.247	#
18)	M Hexatriacontane	16.21	15.44	2472785	1003612	1.106	1.253	

Before

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

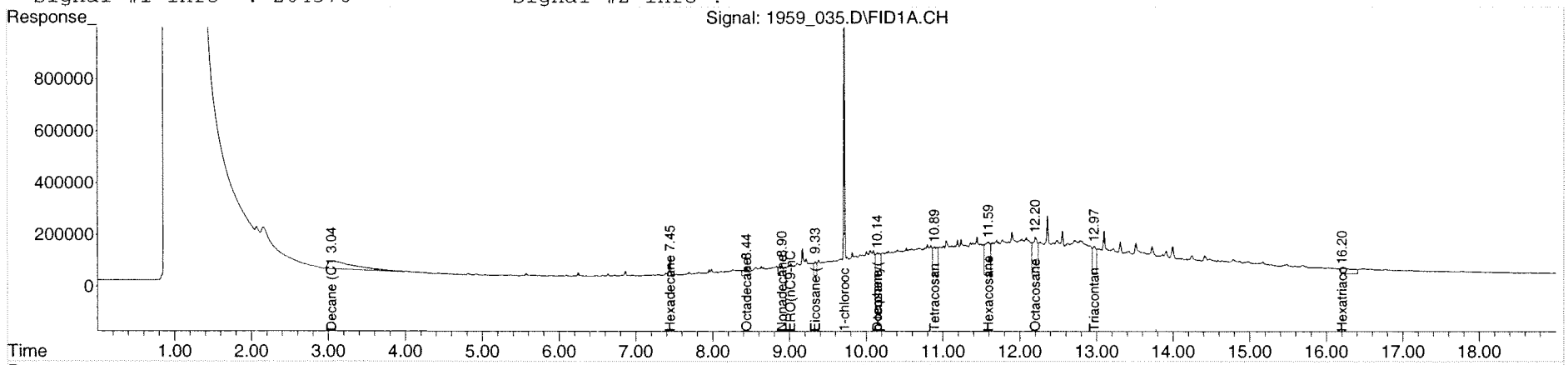
Quantitation Report (Not Reviewed)

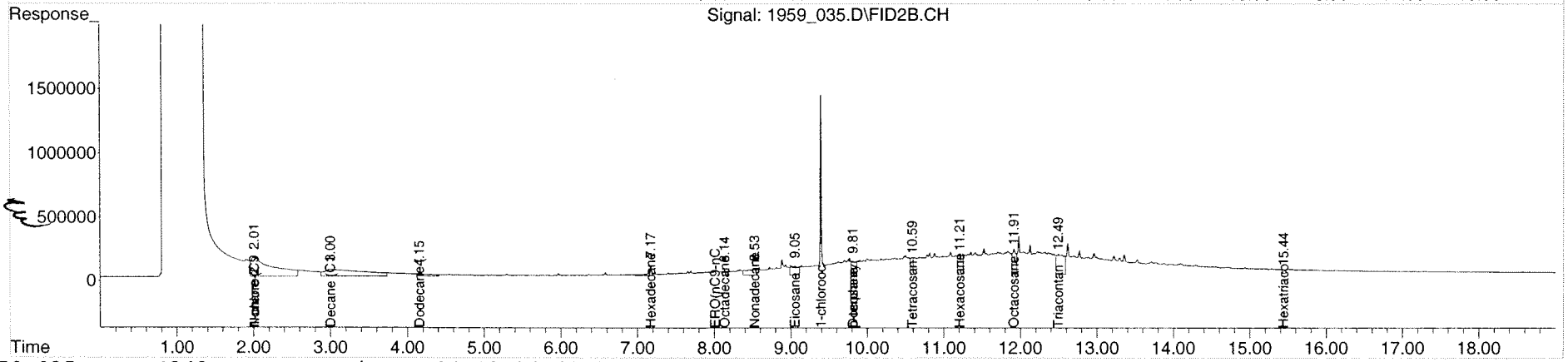
Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID1A.CH Vial: 35
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID2B.CH Vial: 35
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID1A.CH Vial: 35
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID2B.CH Vial: 35
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:37 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	30529258	N.D.	14.229	#
	Spiked Amount 10.000			Recovery	=	0.00%	142.29%	
2)	S 1-chlorooctadeca	9.72	9.39	10383374	16390560	9.166m	12.970	#
	Spiked Amount 20.000			Recovery	=	45.83%	64.85%	
3)	S p-terphenyl	10.15	9.81	3612238	4665773	1.862	2.193	
	Spiked Amount 10.000			Recovery	=	18.62%	21.93%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	372.1E6	450.0E6	135.691	142.183	
5)	M Nonane (C9)	0.00	2.01	0	30529258	N.D.	3.792	#
6)	M Decane (C10)	3.04	3.00	7569561	19675772	2.310	2.181	
7)	M Dodecane (C12)	0.00	4.15f	0	2334262	N.D.	0.619	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	994060	1866053	0.343	0.586	#
10)	M Octadecane (C18)	8.44	8.14	1274402	1393054	0.420	0.425	
11)	M Nonadecane (C19)	8.90	8.53	1461078	4212270	0.491	1.291	#
12)	M Eicosane (C20)	9.34	9.05	1200641	4869578	0.404	1.495	#
13)	M Docosane (C22)	10.15	9.81	3612238	4665773	1.200	1.401	
14)	M Tetracosane (C24	10.89	10.59	4612527	2771945	1.538	0.839	#
15)	M Hexacosane (C26)	11.59	11.21	6321088	7050362	2.158	2.174	
16)	M Octacosane (C28)	12.20	11.91	6590941	6341431	2.174	3.303	#
17)	M Triacontane (C30	12.97	12.49	3761262	11117570	1.360	3.247	#
18)	M Hexatriacontane	16.21	15.44	2472785	1003612	1.106	1.253	

after

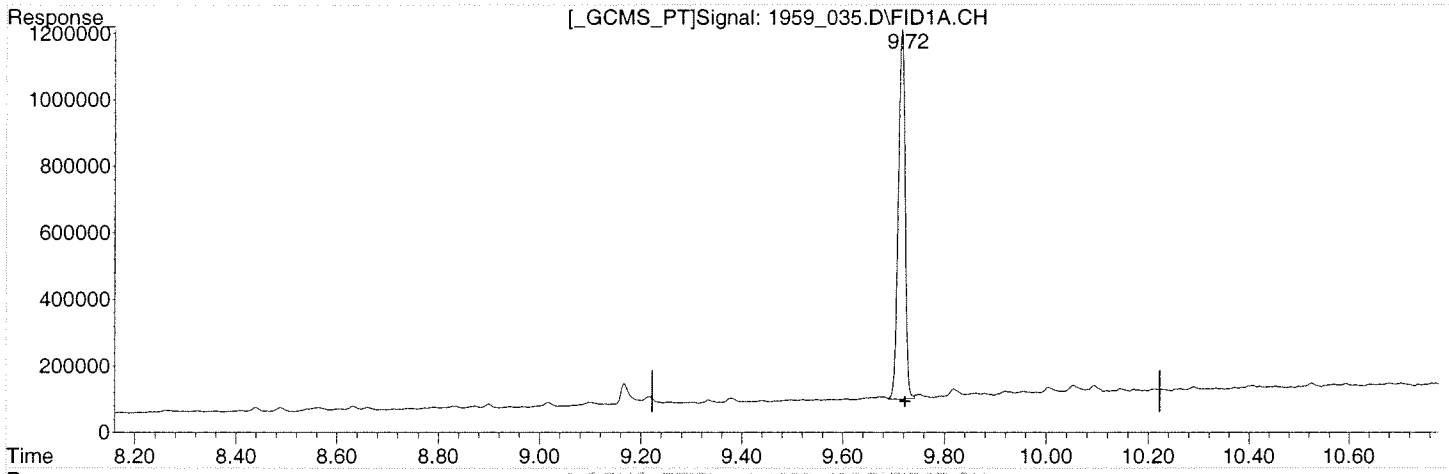
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

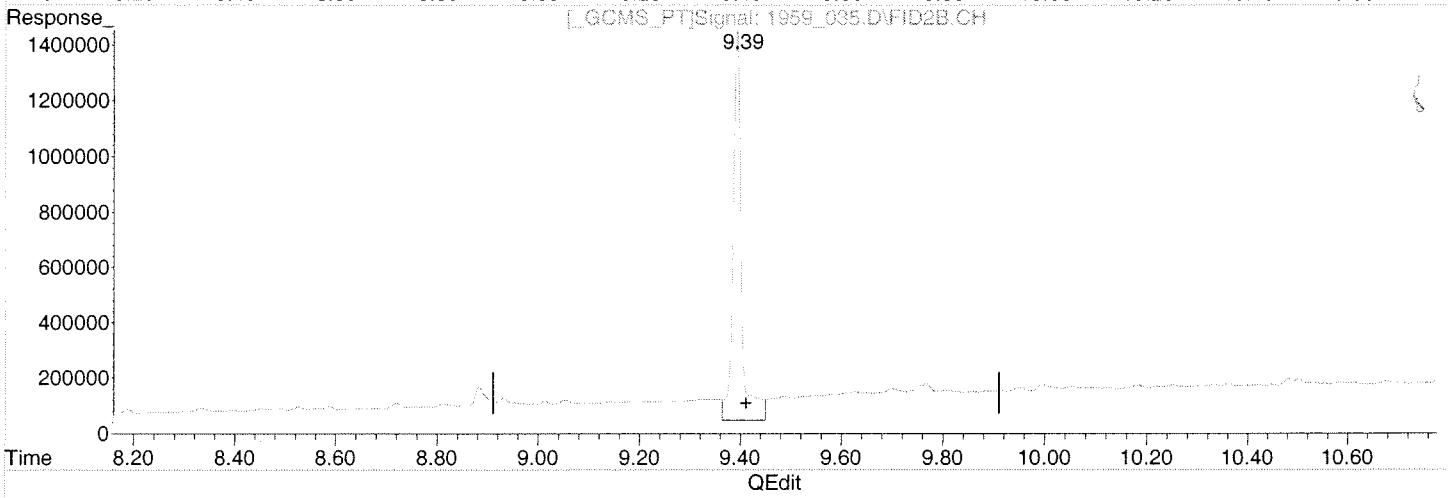
Quantitation Report (Qedit)

```
Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID1A.CH   Vial: 35
Acq On    : 04 May 2007  10:54 am                        Operator: HP Demo
Sample    : A768786 1:2                                  Inst    : Instrumen
Misc      :                                              Multiplr: 1.00
IntFile   : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID2B.CH   Vial: 35
Acq On    : 04 May 2007  11:20 am                        Operator: HP Demo
Sample    : A768786 1:2                                  Inst    : Instrumen
Misc      :                                              Multiplr: 1.00
IntFile   : events2.e
Quant Time: May  4 13:34 2007  Quant Results File: ERO342B.RES


Method       : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title        : TPH Scan
Last Update  : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
```





(2) 1-chlorooctadecane (S)

9.72min 9.166mg/L m

response 10383374

(2) 1-chlorooctadecane #2 (S)

9.39min 12.970mg/L

response 16390560

(+) = Expected Retention Time

1959_035.D ERO342B.M Fri May 04 15:32:24 2007

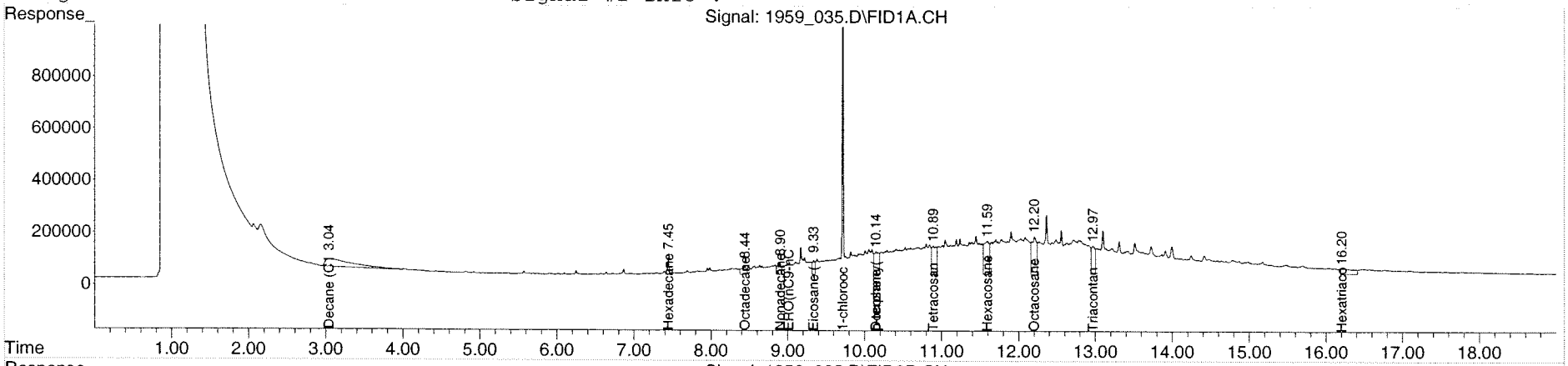
Quantitation Report (QT Reviewed)

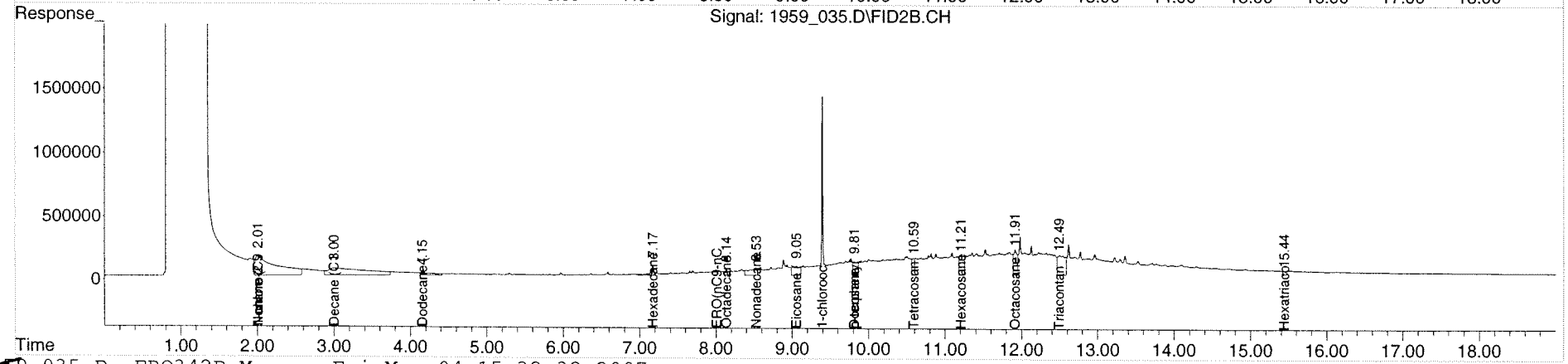
Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID1A.CH Vial: 35
Acq On : 04 May 2007 10:54 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_035.D\FID2B.CH Vial: 35
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768786 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:32 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID1A.CH Vial: 36
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID2B.CH Vial: 36
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:41 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	26310292	N.D.	12.262 #
Spiked Amount 10.000			Recovery	=	0.00%	122.62%
2) S 1-chlorooctadeca	9.72	9.39	28640003	17023427	25.281	13.471 #
Spiked Amount 20.000			Recovery	=	126.40%	67.36%
3) S p-terphenyl	10.09	9.81	4564400	4385456	2.352	2.062
Spiked Amount 10.000			Recovery	=	23.52%	20.62%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	534.8E6	508.8E6	195.023	160.750
5) M Nonane (C9)	0.00	2.01	0	26310292	N.D.	3.268 #
6) M Decane (C10)	3.04	3.00	3922740	15460540	1.197	1.714 #
7) M Dodecane (C12)	0.00	4.27f	0	1075733	N.D.	0.285 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.43	7.14	973153	1496421	0.336	0.470 #
10) M Octadecane (C18)	8.44	8.14	2287216	2439846	0.755	0.745
11) M Nonadecane (C19)	8.83	8.59	3750398	8370230	1.260	2.566 #
12) M Eicosane (C20)	9.34	9.01	1689029	2540508	0.568	0.780 #
13) M Docosane (C22)	10.09	9.81	4564400	4385456	1.517	1.317
14) M Tetracosane (C24	10.93	10.57	8968789	6060838	2.990	1.834 #
15) M Hexacosane (C26)	11.59	11.23	9688483	9055991	3.307	2.792
16) M Octacosane (C28)	12.21	11.91	16409686	9117657	5.412	4.748
17) M Triacontane (C30	12.97	12.49	4868502	6200538	1.760	1.811
18) M Hexatriacontane	16.33	15.54	1616831	5672373	0.723	7.082 #

Before

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

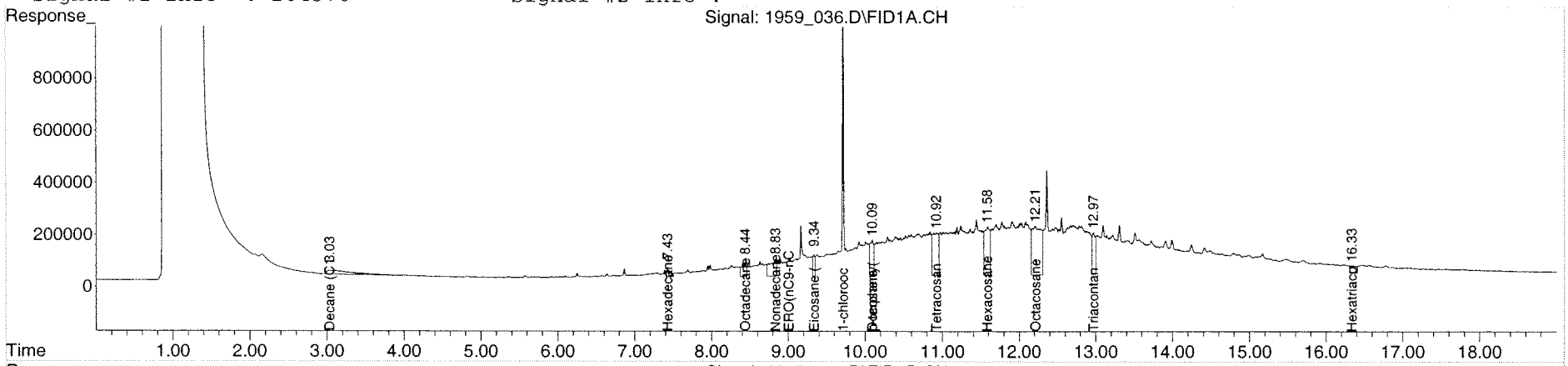
Quantitation Report (Not Reviewed)

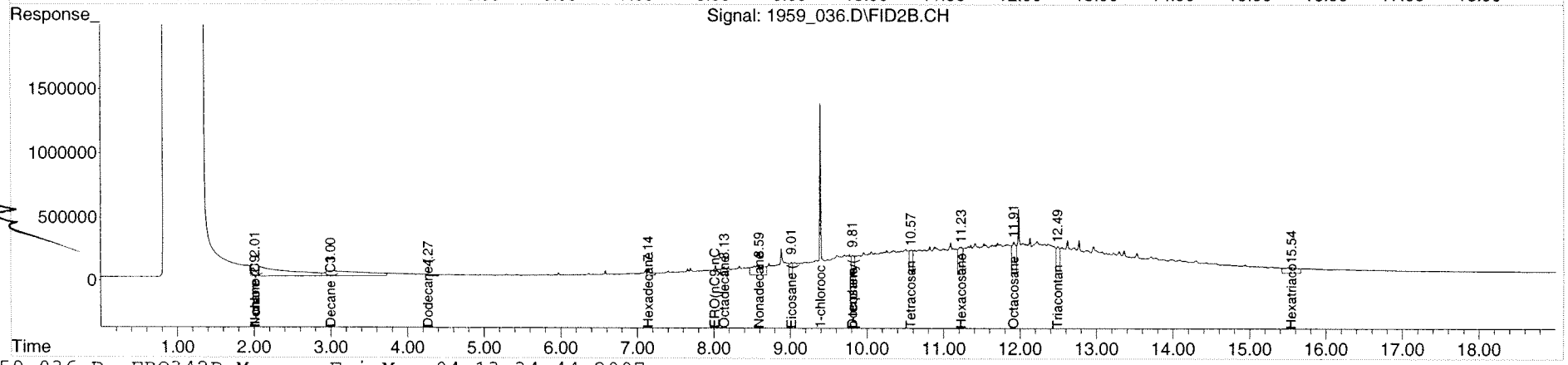
Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID1A.CH Vial: 36
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID2B.CH Vial: 36
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID1A.CH Vial: 36
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID2B.CH Vial: 36
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:41 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	26310292	N.D.	12.262 #
Spiked Amount 10.000			Recovery	=	0.00%	122.62%
2) S 1-chlorooctadeca	9.72	9.39	9421934	17023427	8.317m	13.471 #
Spiked Amount 20.000			Recovery	=	41.59%	67.36%
3) S p-terphenyl	10.09	9.81	4564400	4385456	2.352	2.062
Spiked Amount 10.000			Recovery	=	23.52%	20.62%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	554.0E6	508.8E6	202.032	160.750
5) M Nonane (C9)	0.00	2.01	0	26310292	N.D.	3.268 #
6) M Decane (C10)	3.04	3.00	3922740	15460540	1.197	1.714 #
7) M Dodecane (C12)	0.00	4.27f	0	1075733	N.D.	0.285 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.43	7.14	973153	1496421	0.336	0.470 #
10) M Octadecane (C18)	8.44	8.14	2287216	2439846	0.755	0.745
11) M Nonadecane (C19)	8.83	8.59	3750398	8370230	1.260	2.566 #
12) M Eicosane (C20)	9.34	9.01	1689029	2540508	0.568	0.780 #
13) M Docosane (C22)	10.09	9.81	4564400	4385456	1.517	1.317
14) M Tetracosane (C24	10.93	10.57	8968789	6060838	2.990	1.834 #
15) M Hexacosane (C26)	11.59	11.23	9688483	9055991	3.307	2.792
16) M Octacosane (C28)	12.21	11.91	16409686	9117657	5.412	4.748
17) M Triacontane (C30	12.97	12.49	4868502	6200538	1.760	1.811
18) M Hexatriacontane	16.33	15.54	1616831	5672373	0.723	7.082 #

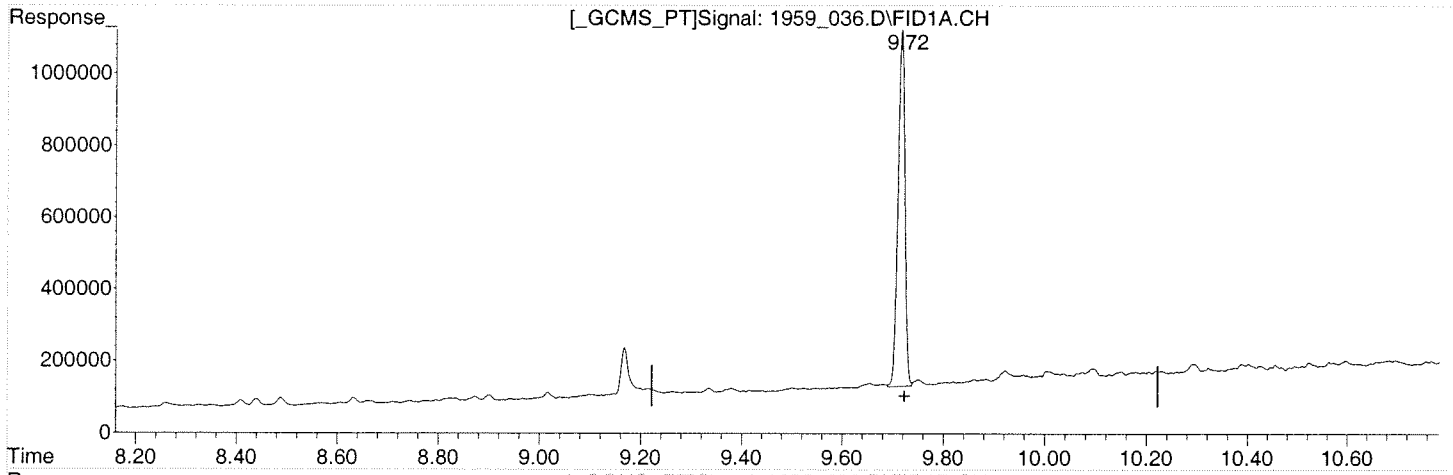
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

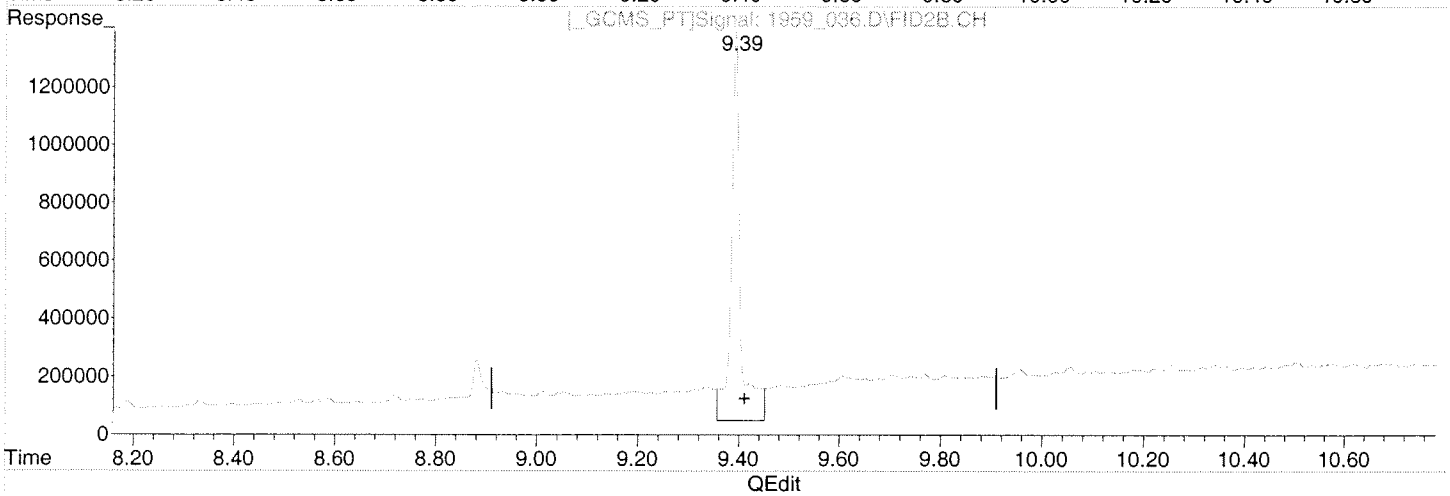
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID1A.CH Vial: 36
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID2B.CH Vial: 36
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration





(2) 1-chlorooctadecane (S)

9.72min 8.317mg/L m

response 9421934

(2) 1-chlorooctadecane #2 (S)

9.39min 13.471mg/L

response 17023427

(+) = Expected Retention Time

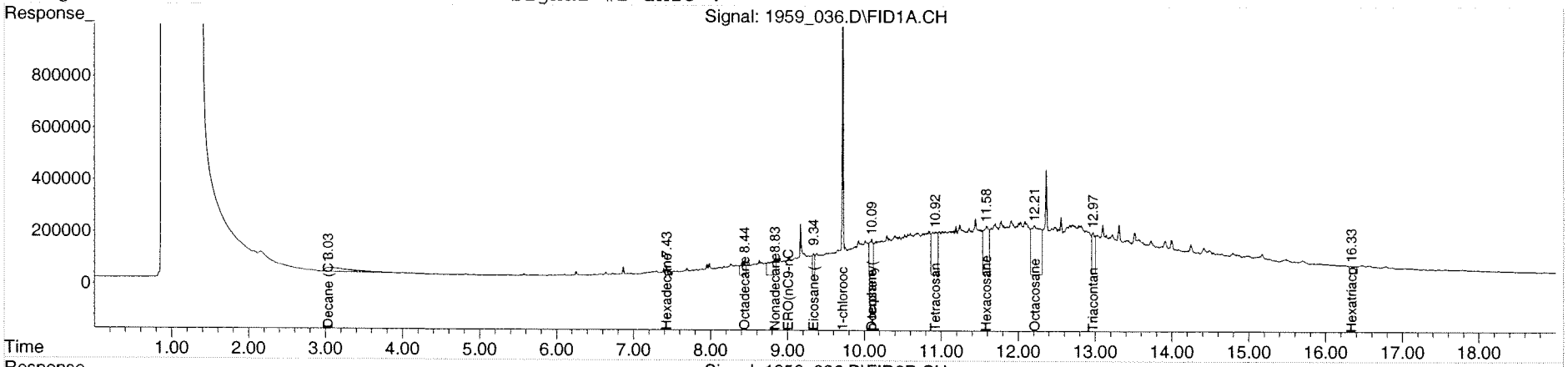
Quantitation Report (QT Reviewed)

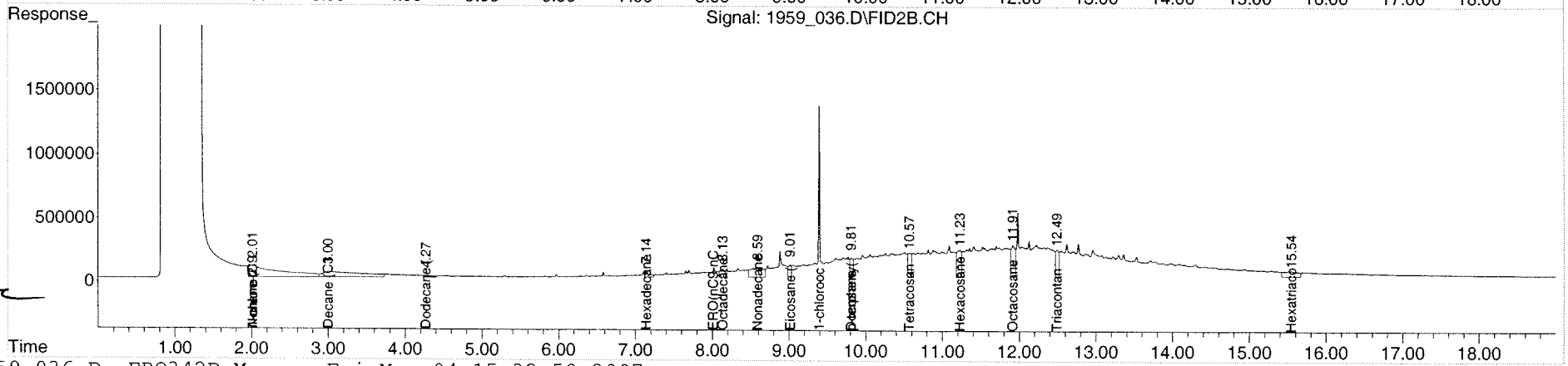
Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID1A.CH Vial: 36
Acq On : 04 May 2007 11:20 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_036.D\FID2B.CH Vial: 36
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768792 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:32 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID1A.CH Vial: 37
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID2B.CH Vial: 37
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:45 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	28625528	N.D.	13.341 #
Spiked Amount 10.000			Recovery	=	0.00%	133.41%
2) S 1-chlorooctadeca	10.09f	9.39	1689433	16115806	1.491	12.753 #
Spiked Amount 20.000			Recovery	=	7.46%	63.77%
3) S p-terphenyl	10.09	9.86	1689433	2219272	0.871	1.043
Spiked Amount 10.000			Recovery	=	8.71%	10.43%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	204.8E6	522.3E6	74.701	165.025 #
5) M Nonane (C9)	0.00	2.01	0	28625528	N.D.	3.556 #
6) M Decane (C10)	3.04	3.00	6791053	16222132	2.072	1.798
7) M Dodecane (C12)	0.00	4.15f	0	2346701	N.D.	0.623 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	865774	1457793	0.299	0.458 #
10) M Octadecane (C18)	8.44	8.14	540603	1546765	0.178	0.472 #
11) M Nonadecane (C19)	9.18f	8.59	446252	4207007	0.150	1.290 #
12) M Eicosane (C20)	9.18	9.01	446252	1668276	0.150	0.512 #
13) M Docosane (C22)	10.09	9.86	1689433	2219272	0.561	0.666
14) M Tetracosane (C24	10.89	10.58	1262612	5105917	0.421	1.545 #
15) M Hexacosane (C26)	11.59	11.23	4338868	8278727	1.481	2.553 #
16) M Octacosane (C28)	12.21	11.91	3833700	8046104	1.264	4.190 #
17) M Triacontane (C30	12.97	12.49	2984607	4011751	1.079	1.172
18) M Hexatriacontane	16.22	15.46	582575	1699715	0.261	2.122 #

Incorrect ID

Before

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

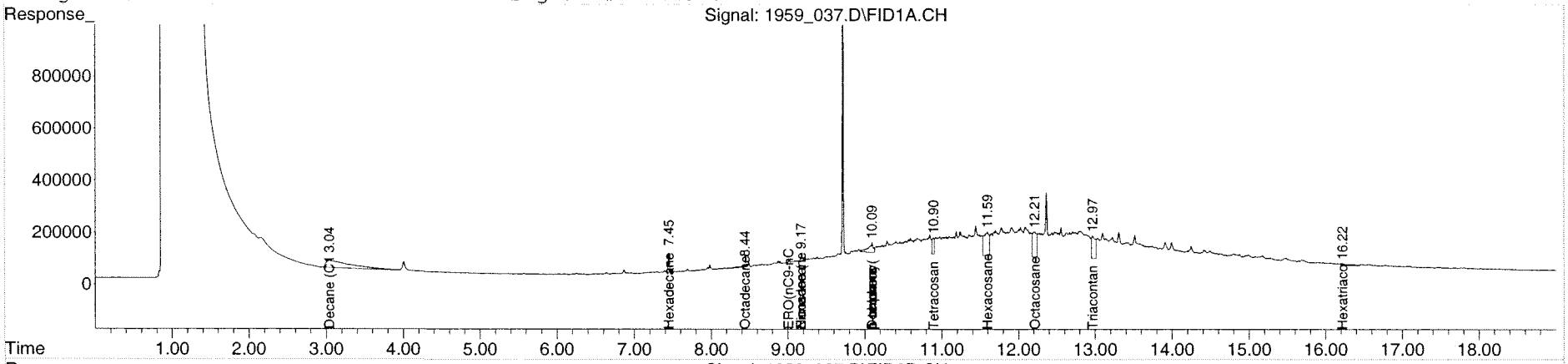
Quantitation Report (Not Reviewed)

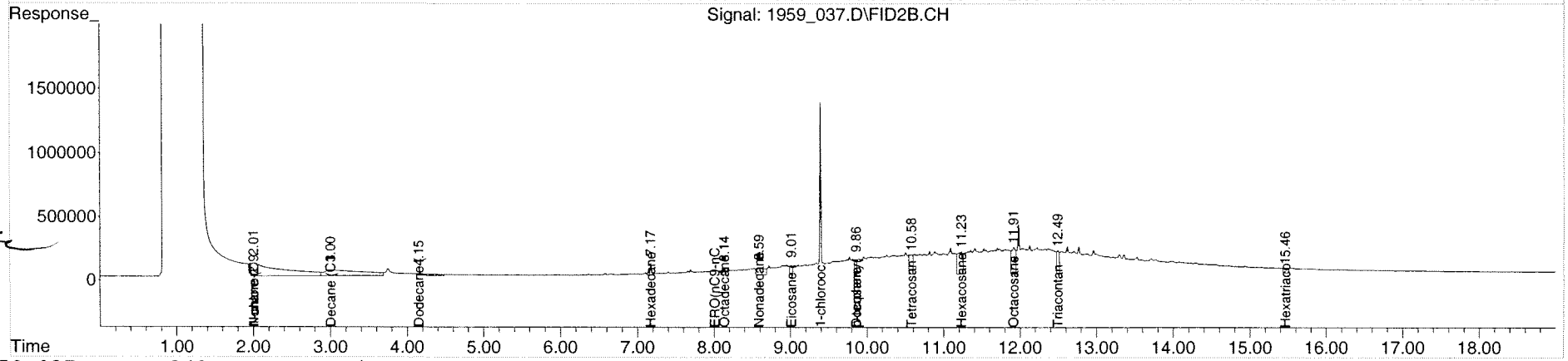
Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID1A.CH Vial: 37
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID2B.CH Vial: 37
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID1A.CH Vial: 37
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID2B.CH Vial: 37
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:45 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	28625528	N.D.	13.341 #
Spiked Amount 10.000			Recovery	=	0.00%	133.41%
2) S 1-chlorooctadeca	9.72	9.39	10161265	16115806	8.970m	12.753 #
Spiked Amount 20.000			Recovery	=	44.85%	63.77%
3) S p-terphenyl	10.09	9.86	1689433	2219272	0.871	1.043
Spiked Amount 10.000			Recovery	=	8.71%	10.43%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	196.4E6	522.3E6	71.612	165.025 #
5) M Nonane (C9)	0.00	2.01	0	28625528	N.D.	3.556 #
6) M Decane (C10)	3.04	3.00	6791053	16222132	2.072	1.798
7) M Dodecane (C12)	0.00	4.15f	0	2346701	N.D.	0.623 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	865774	1457793	0.299	0.458 #
10) M Octadecane (C18)	8.44	8.14	540603	1546765	0.178	0.472 #
11) M Nonadecane (C19)	9.18f	8.59	446252	4207007	0.150	1.290 #
12) M Eicosane (C20)	9.18	9.01	446252	1668276	0.150	0.512 #
13) M Docosane (C22)	10.09	9.86	1689433	2219272	0.561	0.666
14) M Tetracosane (C24	10.89	10.58	1262612	5105917	0.421	1.545 #
15) M Hexacosane (C26)	11.59	11.23	4338868	8278727	1.481	2.553 #
16) M Octacosane (C28)	12.21	11.91	3833700	8046104	1.264	4.190 #
17) M Triacontane (C30	12.97	12.49	2984607	4011751	1.079	1.172
18) M Hexatriacontane	16.22	15.46	582575	1699715	0.261	2.122 #

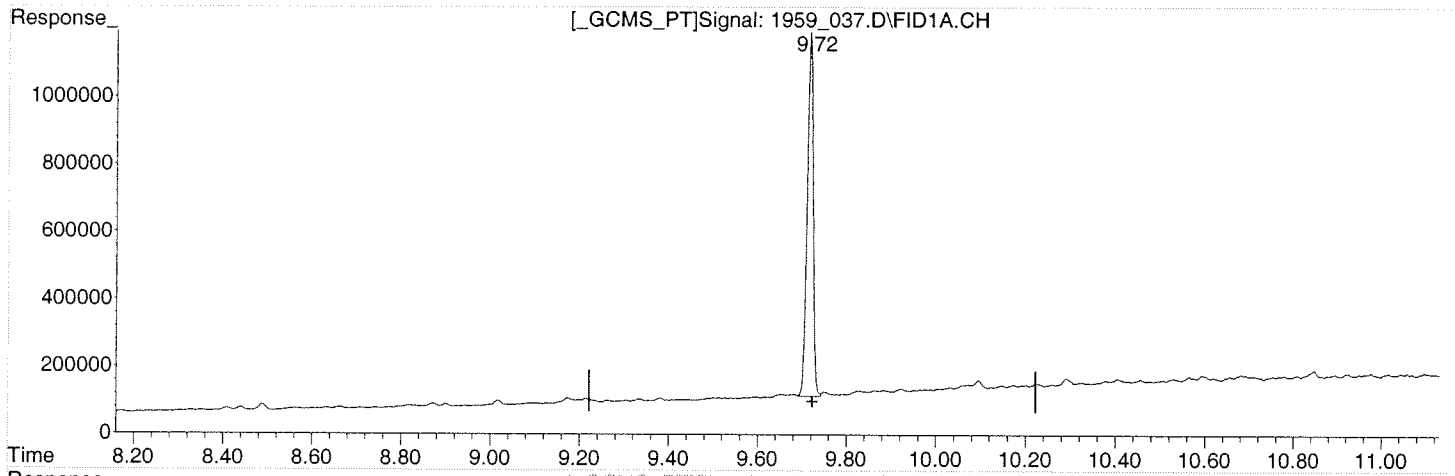
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

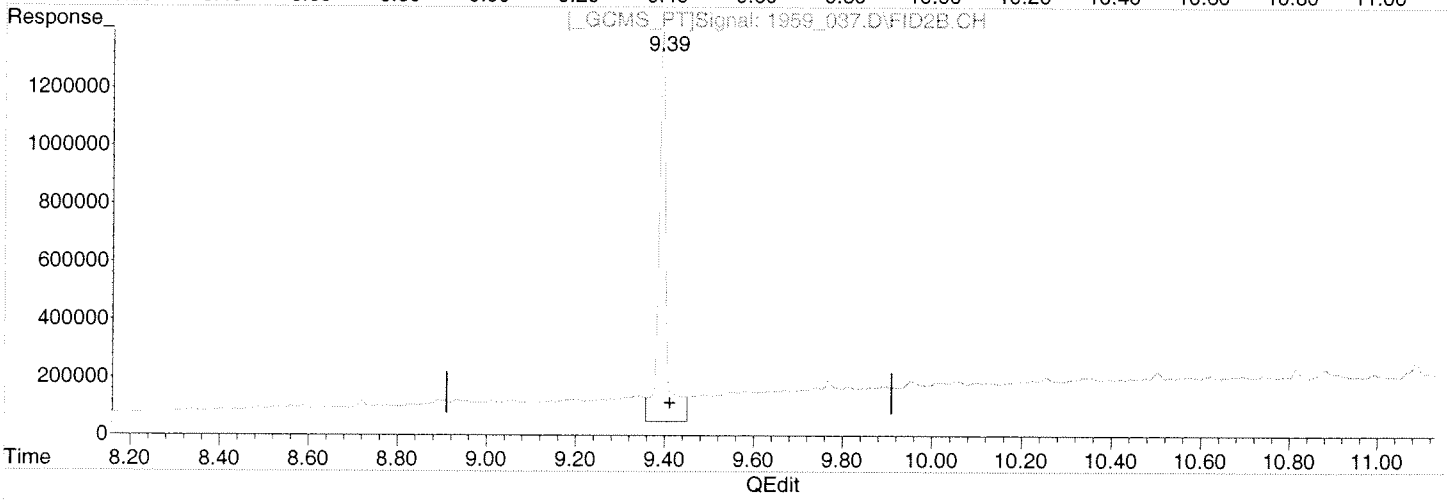
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID1A.CH Vial: 37
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID2B.CH Vial: 37
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration





(2) 1-chlorooctadecane (S)

9.72min 8.970mg/L m

response 10161265

(2) 1-chlorooctadecane #2 (S)

9.39min 12.753mg/L

response 16115806

(+) = Expected Retention Time

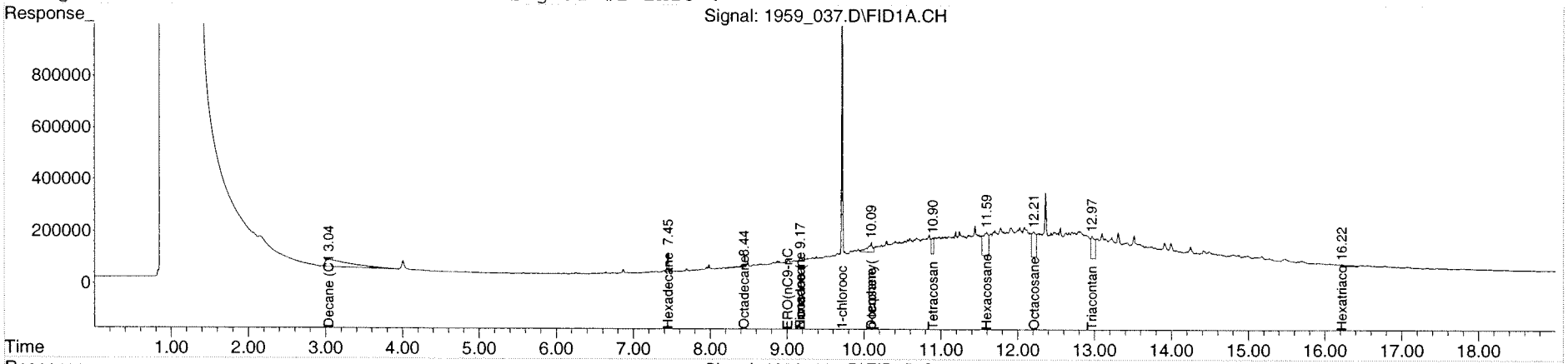
Quantitation Report (QT Reviewed)

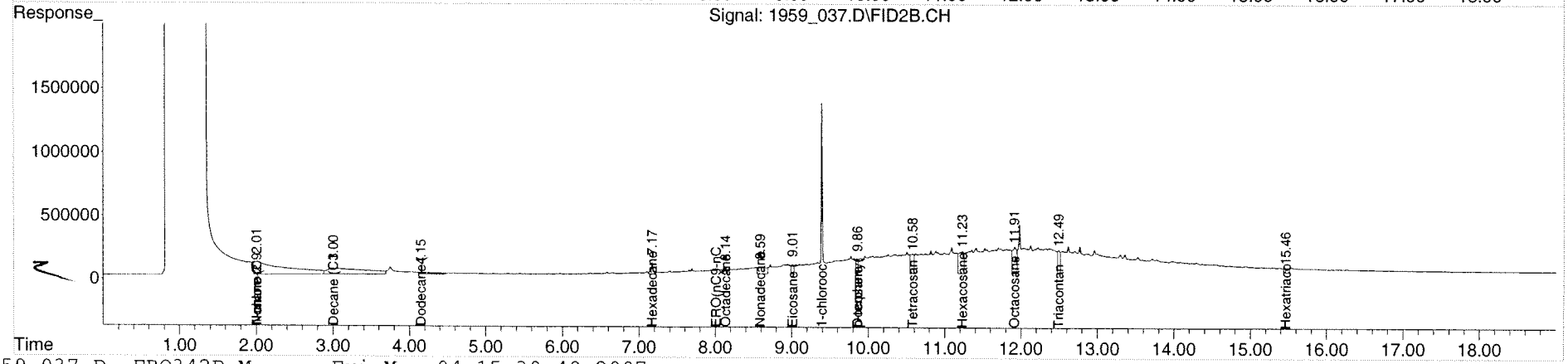
Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID1A.CH Vial: 37
Acq On : 04 May 2007 11:45 am Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_037.D\FID2B.CH Vial: 37
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768794 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:30 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID1A.CH Vial: 38
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID2B.CH Vial: 38
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:49 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2) S 1-chlorooctadeca	9.72	9.39	13582940	5833688	11.990	4.616	#
Spiked Amount 20.000			Recovery	=	59.95%	23.08%	
3) S p-terphenyl	10.09	9.82	9172771	3132527	4.728	1.473	#
Spiked Amount 10.000			Recovery	=	47.28%	14.73%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	377.9E6	417.0E6	137.830	131.744	
5) M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6) M Decane (C10)	3.03	3.00	1116804	17846292	0.341	1.978	#
7) M Dodecane (C12)	0.00	4.51	0	2030849	N.D.	0.539	#
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9) M Hexadecane (C16)	7.45	7.17	889421	1014694	0.307	0.319	
10) M Octadecane (C18)	8.44	8.14	1415635	1891437	0.467	0.578	
11) M Nonadecane (C19)	8.87	8.72	1854877	9487955	0.623	2.908	#
12) M Eicosane (C20)	9.38	9.05	5782004	3402638	1.944	1.045	#
13) M Docosane (C22)	10.09	9.82	9172771	3132527	3.048	0.941	#
14) M Tetracosane (C24	10.84	10.57	14651628	8295420	4.885	2.511	#
15) M Hexacosane (C26)	11.59	11.23	6670163	6501689	2.277	2.005	
16) M Octacosane (C28)	12.21	11.92	5270615	6088463	1.738	3.171	#
17) M Triacontane (C30	12.90	12.49	4906930	11229715	1.774	3.280	#
18) M Hexatriacontane	16.35	15.48	1404498	1254529	0.628	1.566	#

Before

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

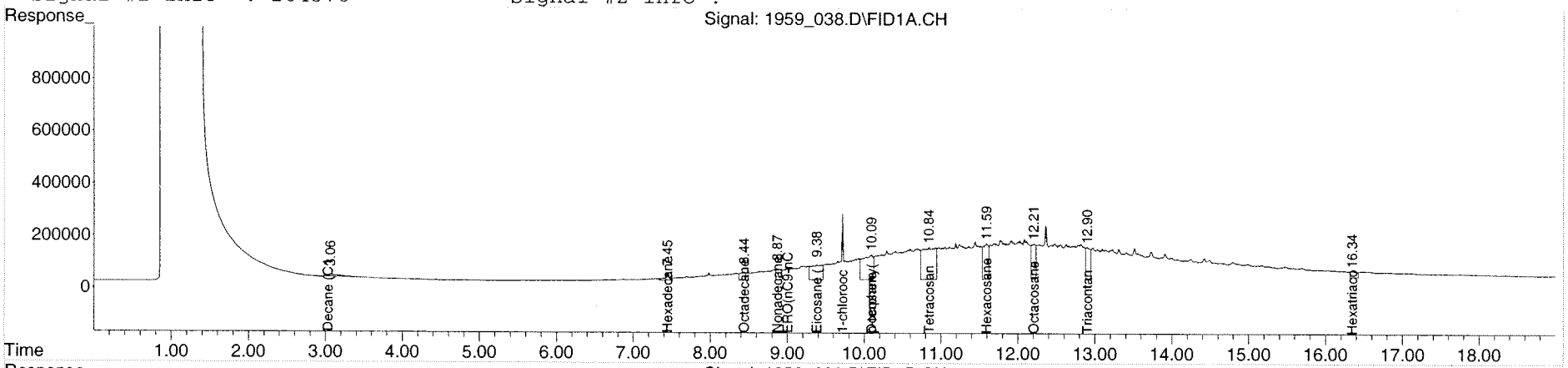
Quantitation Report (Not Reviewed)

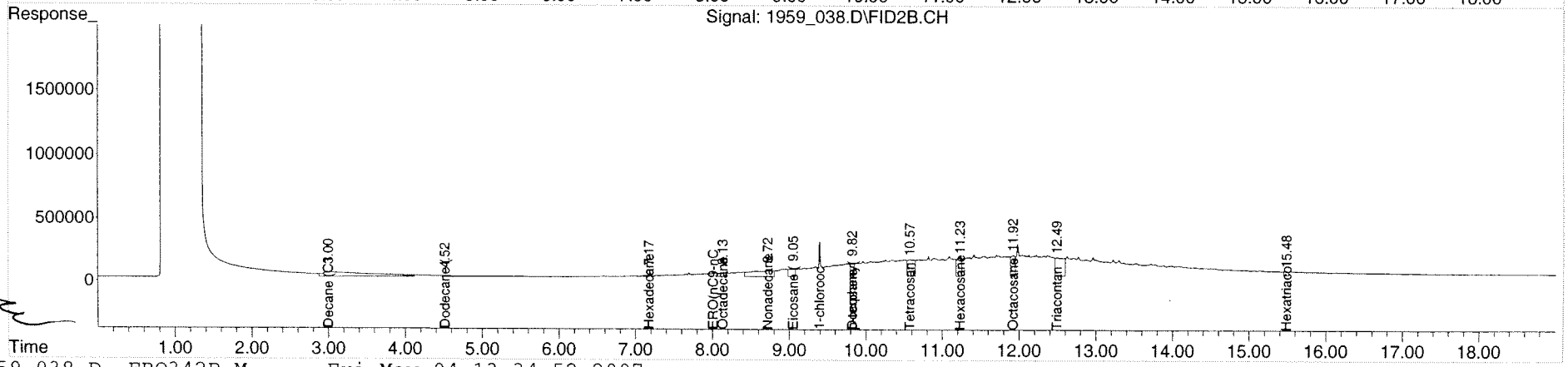
Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID1A.CH Vial: 38
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID2B.CH Vial: 38
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID1A.CH Vial: 38
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID2B.CH Vial: 38
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:49 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.
Spiked Amount 10.000			Recovery	=	0.00%	0.00%
2) S 1-chlorooctadeca	9.71	9.39	1683070	5833688	1.486m	4.616 #
Spiked Amount 20.000			Recovery	=	7.43%	23.08%
3) S p-terphenyl	10.09	9.82	9172771	3132527	4.728	1.473 #
Spiked Amount 10.000			Recovery	=	47.28%	14.73%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	389.8E6	417.0E6	142.170	131.744
5) M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.
6) M Decane (C10)	3.03	3.00	1116804	17846292	0.341	1.978 #
7) M Dodecane (C12)	0.00	4.51	0	2030849	N.D.	0.539 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	889421	1014694	0.307	0.319
10) M Octadecane (C18)	8.44	8.14	1415635	1891437	0.467	0.578
11) M Nonadecane (C19)	8.87	8.72	1854877	9487955	0.623	2.908 #
12) M Eicosane (C20)	9.38	9.05	5782004	3402638	1.944	1.045 #
13) M Docosane (C22)	10.09	9.82	9172771	3132527	3.048	0.941 #
14) M Tetracosane (C24	10.84	10.57	14651628	8295420	4.885	2.511 #
15) M Hexacosane (C26)	11.59	11.23	6670163	6501689	2.277	2.005
16) M Octacosane (C28)	12.21	11.92	5270615	6088463	1.738	3.171 #
17) M Triacontane (C30	12.90	12.49	4906930	11229715	1.774	3.280 #
18) M Hexatriacontane	16.35	15.48	1404498	1254529	0.628	1.566 #

apk

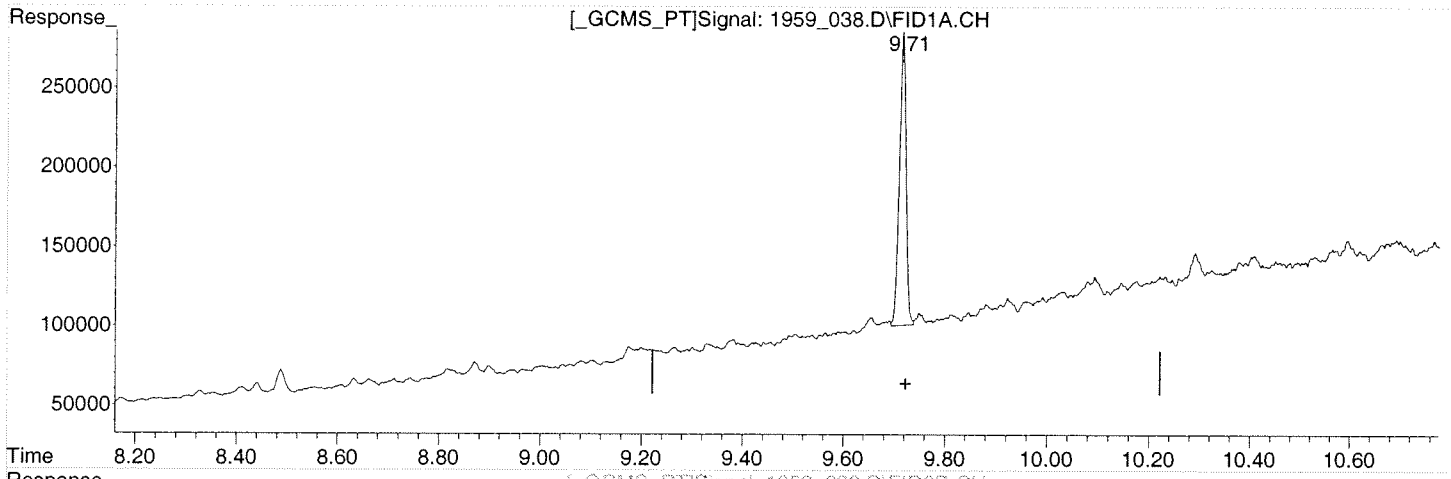
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

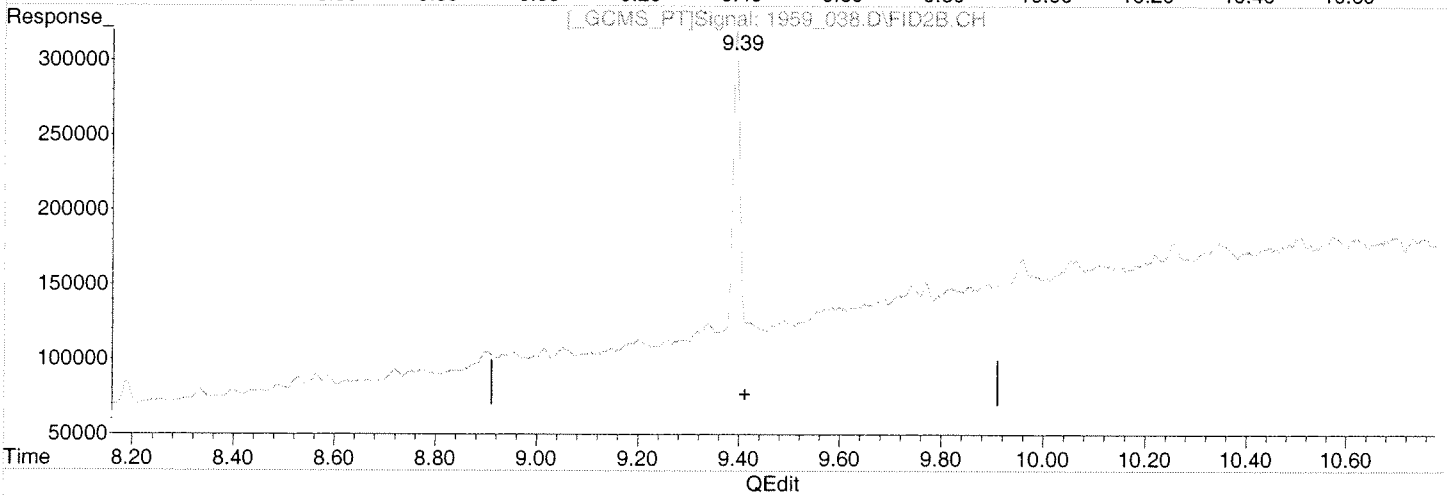
Quantitation Report (Qedit)

```
Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID1A.CH   Vial: 38
Acq On    : 04 May 2007  12:11 pm                        Operator: HP Demo
Sample    : A768799 1:10                                 Inst    : Instrumen
Misc      :                                              Multiplr: 1.00
IntFile   : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID2B.CH   Vial: 38
Acq On    : 04 May 2007  12:36 pm                        Operator: HP Demo
Sample    : A768799 1:10                                 Inst    : Instrumen
Misc      :                                              Multiplr: 1.00
IntFile   : events2.e
Quant Time: May  4 13:34 2007  Quant Results File: ERO342B.RES


Method       : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title        : TPH Scan
Last Update  : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
```





(2) 1-chlorooctadecane (S)

9.71min 1.486mg/L m

response 1683070

(2) 1-chlorooctadecane #2 (S)

9.39min 4.616mg/L

response 5833688

(+) = Expected Retention Time

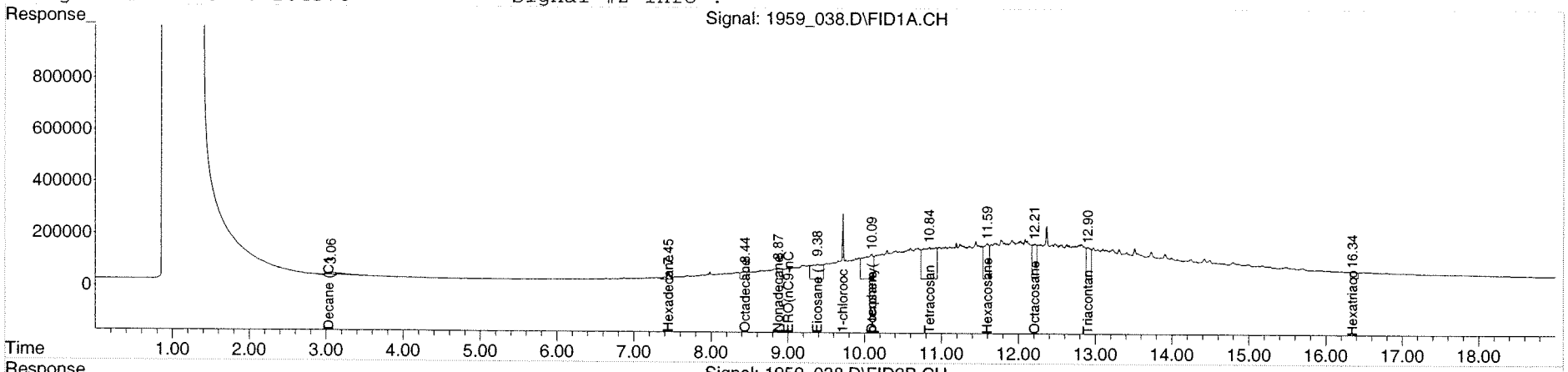
Quantitation Report (QT Reviewed)

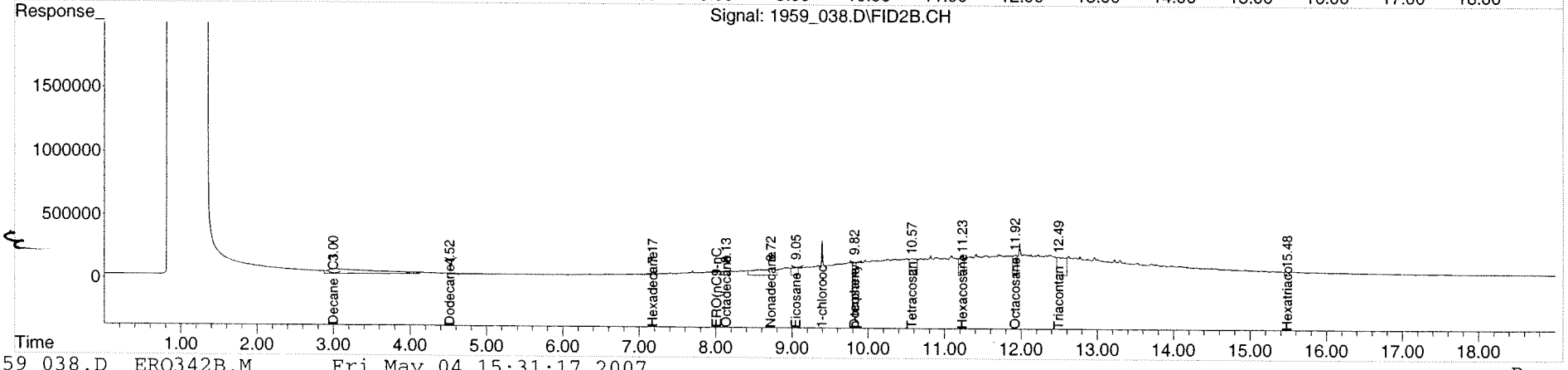
Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID1A.CH Vial: 38
Acq On : 04 May 2007 12:11 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_038.D\FID2B.CH Vial: 38
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768799 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:31 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID1A.CH Vial: 39
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID2B.CH Vial: 39
Acq On : 04 May 2007 1:02 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.01	0	28910982	N.D.	13.474	#
	Spiked Amount 10.000			Recovery	=	0.00%	134.74%	
2)	S 1-chlorooctadeca	9.72	9.39	25324788	14905433	22.355	11.795	#
	Spiked Amount 20.000			Recovery	=	111.78%	58.98%	
3)	S p-terphenyl	10.18	9.81	6251090	5679635	3.222	2.670	
	Spiked Amount 10.000			Recovery	=	32.22%	26.70%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	544.2E6	618.1E6	198.452	195.307	
5)	M Nonane (C9)	0.00	2.01	0	28910982	N.D.	3.591	#
6)	M Decane (C10)	3.04	3.00	1997461	18958720	0.609	2.102	#
7)	M Dodecane (C12)	0.00	4.76	0	1535648	N.D.	0.408	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.45	7.17	999109	1061073	0.345	0.333	
10)	M Octadecane (C18)	8.44	8.14	2114111	1746924	0.698	0.534	
11)	M Nonadecane (C19)	8.87	8.53	2266044	5711750	0.761	1.751	#
12)	M Eicosane (C20)	9.33	9.01	3013969	2399591	1.013	0.737	#
13)	M Docosane (C22)	10.18	9.81	6251090	5679635	2.077	1.705	
14)	M Tetracosane (C24	10.93	10.58	7171410	11309250	2.391	3.423	#
15)	M Hexacosane (C26)	11.59	11.22	8518212	12408453	2.908	3.826	#
16)	M Octacosane (C28)	12.21	11.91	7512611	9988678	2.478	5.202	#
17)	M Triacontane (C30	12.97	12.49	4955506	5272496	1.792	1.540	
18)	M Hexatriacontane	16.24	15.54	4387853	4482091	1.962	5.596	#

Blank

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

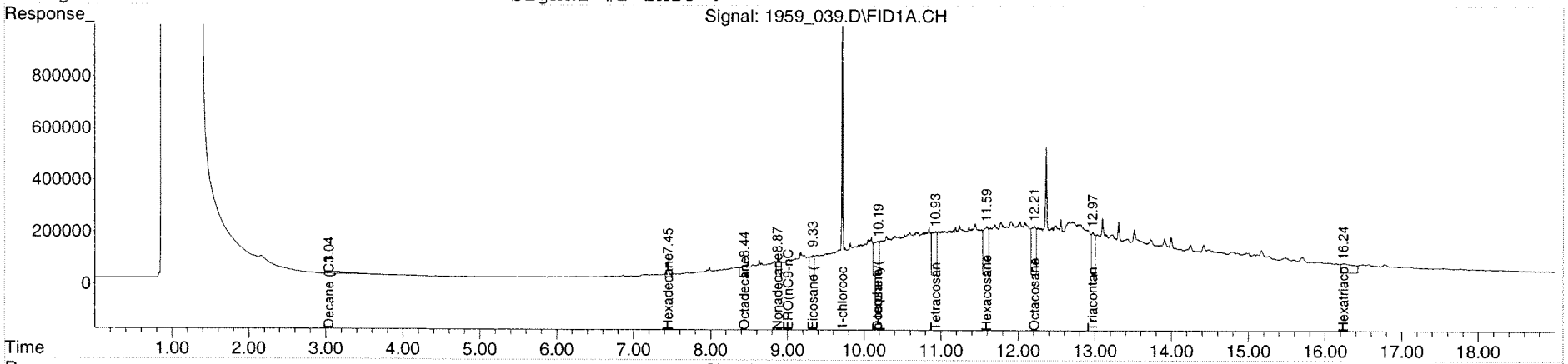
Quantitation Report (Not Reviewed)

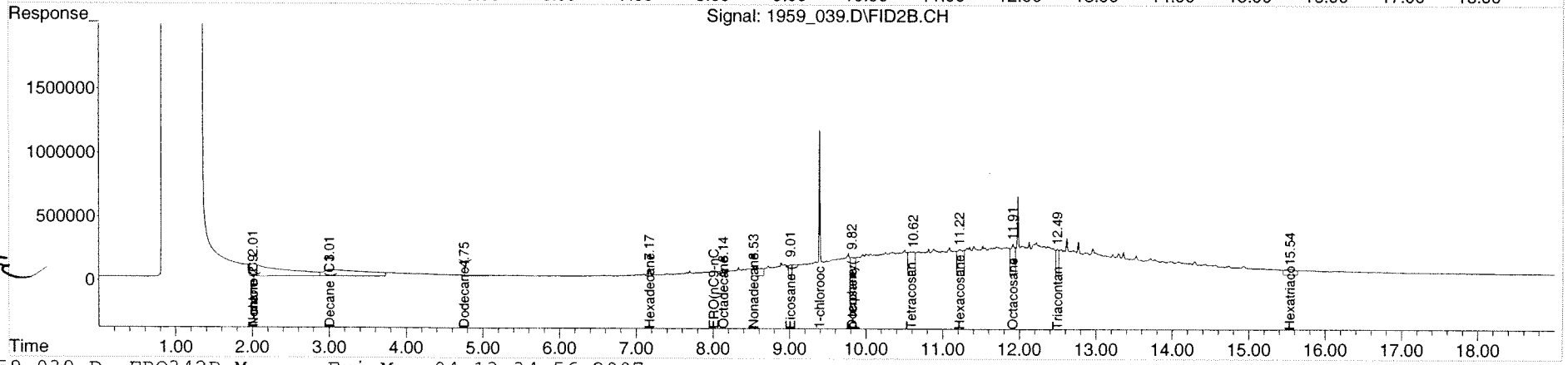
Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID1A.CH Vial: 39
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID2B.CH Vial: 39
Acq On : 04 May 2007 1:02 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID1A.CH Vial: 39
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID2B.CH Vial: 39
Acq On : 04 May 2007 1:02 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 13:34:53 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	0.00	2.01	0	28910982	N.D.	13.474 #
Spiked Amount 10.000			Recovery	=	0.00%	134.74%
2) S 1-chlorooctadeca	9.72	9.39	8410098	14905433	7.424m	11.795 #
Spiked Amount 20.000			Recovery	=	37.12%	58.98%
3) S p-terphenyl	10.18	9.81	6251090	5679635	3.222	2.670
Spiked Amount 10.000			Recovery	=	32.22%	26.70%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	561.1E6	618.1E6	204.621	195.307
5) M Nonane (C9)	0.00	2.01	0	28910982	N.D.	3.591 #
6) M Decane (C10)	3.04	3.00	1997461	18958720	0.609	2.102 #
7) M Dodecane (C12)	0.00	4.76	0	1535648	N.D.	0.408 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	7.45	7.17	999109	1061073	0.345	0.333
10) M Octadecane (C18)	8.44	8.14	2114111	1746924	0.698	0.534
11) M Nonadecane (C19)	8.87	8.53	2266044	5711750	0.761	1.751 #
12) M Eicosane (C20)	9.33	9.01	3013969	2399591	1.013	0.737 #
13) M Docosane (C22)	10.18	9.81	6251090	5679635	2.077	1.705
14) M Tetracosane (C24	10.93	10.58	7171410	11309250	2.391	3.423 #
15) M Hexacosane (C26)	11.59	11.22	8518212	12408453	2.908	3.826 #
16) M Octacosane (C28)	12.21	11.91	7512611	9988678	2.478	5.202 #
17) M Triacontane (C30	12.97	12.49	4955506	5272496	1.792	1.540
18) M Hexatriacontane	16.24	15.54	4387853	4482091	1.962	5.596 #

after

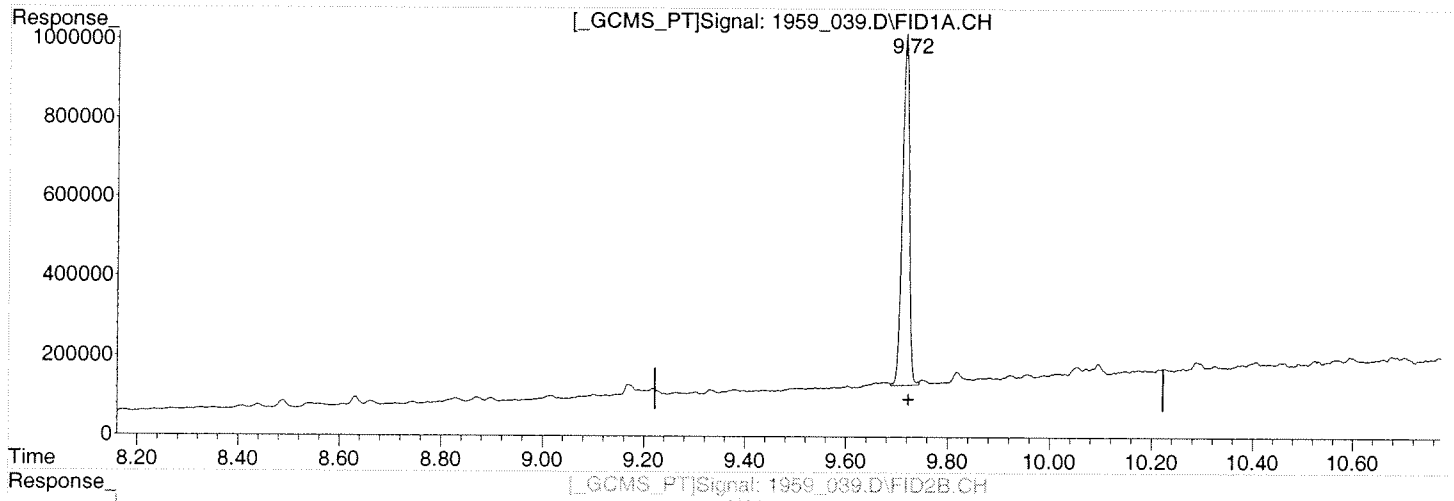
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

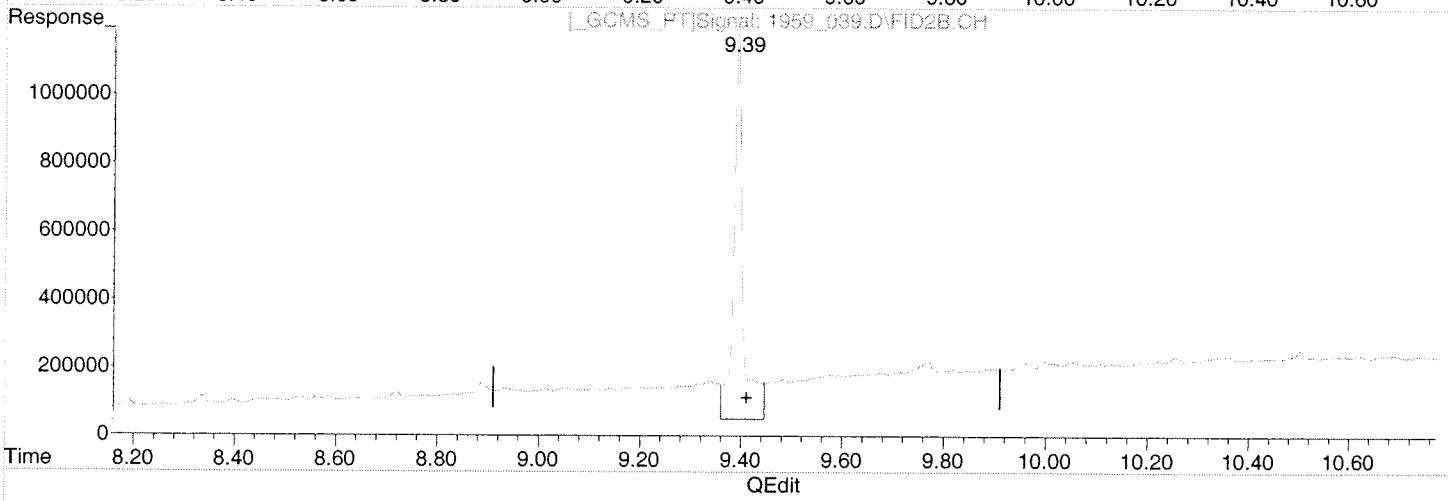
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID1A.CH Vial: 39
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID2B.CH Vial: 39
Acq On : 04 May 2007 1:02 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 13:34 2007 Quant Results File: ERO342B.RES

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration





(2) 1-chlorooctadecane (S)

9.72min 7.424mg/L m

response 8410098

(2) 1-chlorooctadecane #2 (S)

9.39min 11.795mg/L

response 14905433

(+) = Expected Retention Time

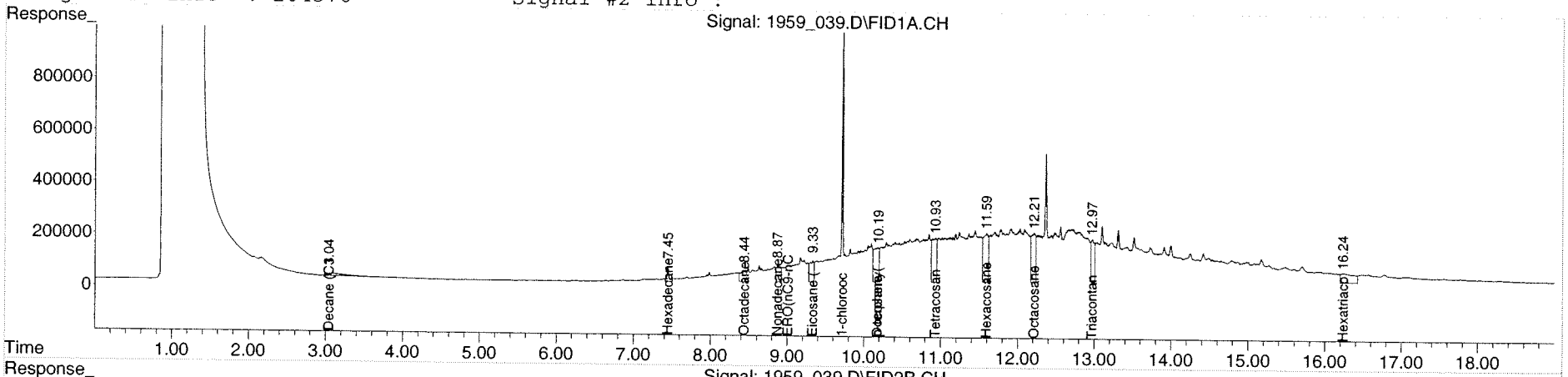
Quantitation Report (QT Reviewed)

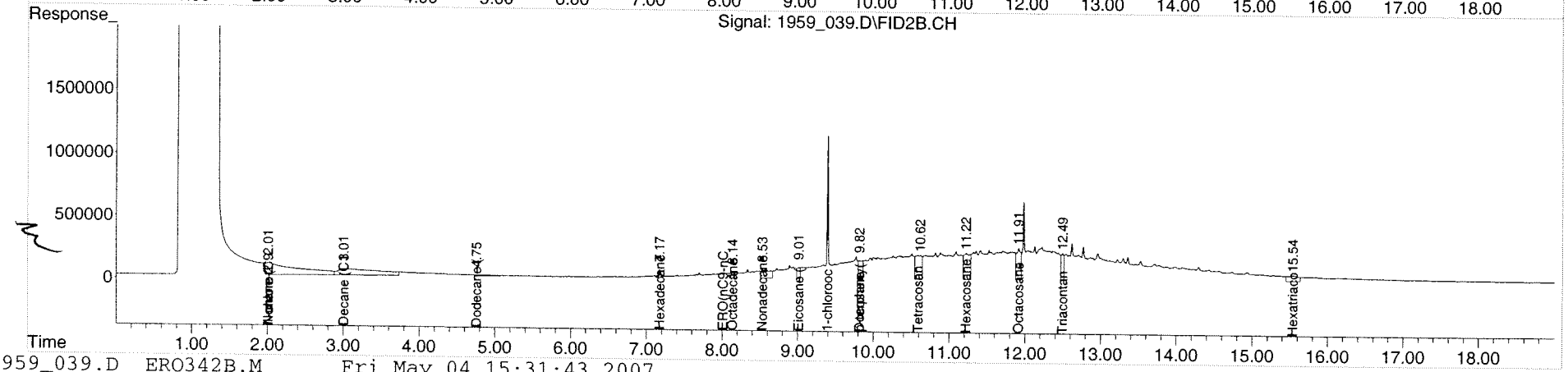
Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID1A.CH Vial: 39
Acq On : 04 May 2007 12:36 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_039.D\FID2B.CH Vial: 39
Acq On : 04 May 2007 1:02 pm Operator: HP Demo
Sample : A768802 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:31 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_040.D\FID1A.CH Vial: 40
Acq On : 04 May 2007 1:02 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_040.D\FID2B.CH Vial: 40
Acq On : 04 May 2007 1:27 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 15:06:23 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000			Recovery	=	0.00%	0.00%	
3)	S p-terphenyl	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	44994047	43799155	16.409	13.839	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	0.00	0.00	0	0	N.D.	N.D.	
14)	M Tetracosane (C24	10.85	0.00	1541036	0	0.514	N.D.	#
15)	M Hexacosane (C26)	11.70	11.06	581783	798789	0.199	0.246	
16)	M Octacosane (C28)	12.34	11.92	2046565	1015279	0.675	0.529	
17)	M Triacontane (C30	12.91	12.42	970391	1602137	0.351	0.468	#
18)	M Hexatriacontane	16.49	15.49	2001221	4315056	0.895	5.388	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

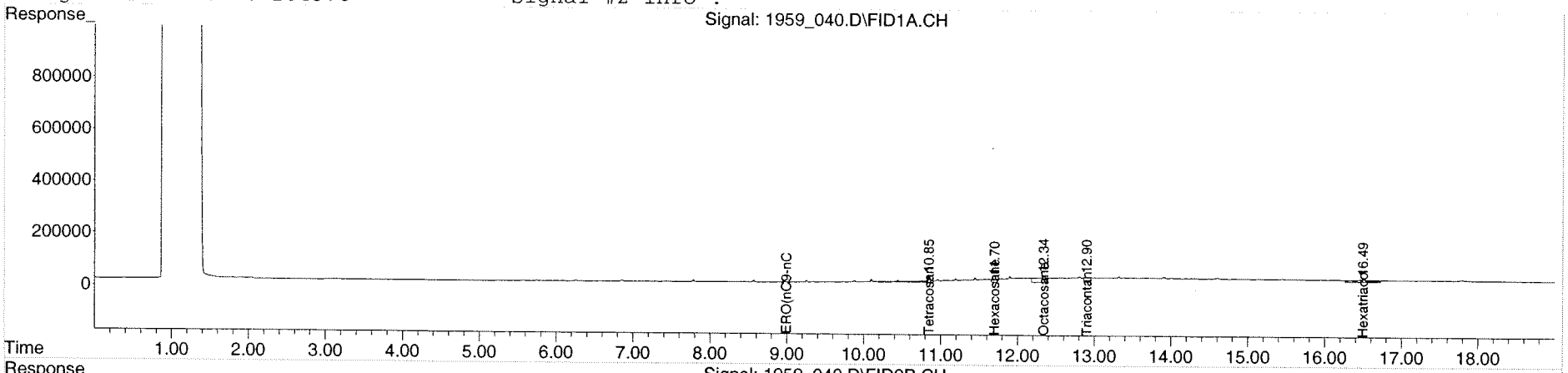
Quantitation Report (Not Reviewed)

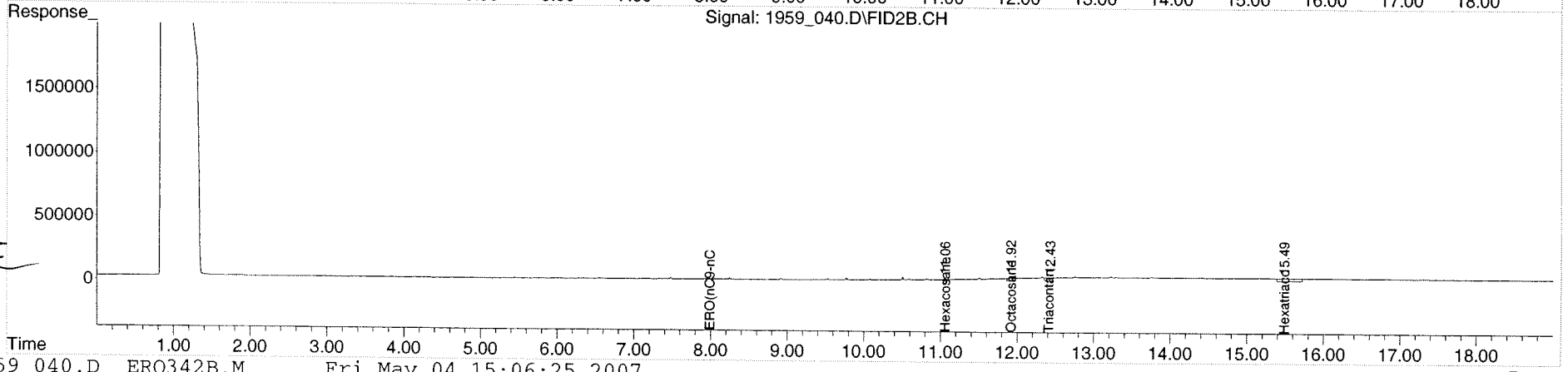
Data File : C:\MSDCHEM\1\DATA\1959\1959_040.D\FID1A.CH Vial: 40
Acq On : 04 May 2007 1:02 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_040.D\FID2B.CH Vial: 40
Acq On : 04 May 2007 1:27 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:06 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_041.D\FID1A.CH Vial: 41
Acq On : 04 May 2007 1:27 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_041.D\FID2B.CH Vial: 41
Acq On : 04 May 2007 1:53 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 15:06:27 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	10.10f	0.00	362531	0	0.320	N.D.	#
	Spiked Amount 20.000			Recovery	=	1.60%	0.00%	
3)	S p-terphenyl	10.10	0.00	362531	0	0.187	N.D.	#
	Spiked Amount 10.000			Recovery	=	1.87%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	23988307	27627423	8.748	8.729	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	10.10	0.00	362531	0	0.120	N.D.	#
14)	M Tetracosane (C24	10.85	0.00	462878	0	0.154	N.D.	#
15)	M Hexacosane (C26)	11.44	11.06	611021	765512	0.209	0.236	
16)	M Octacosane (C28)	12.19	11.92	489565	1193541	0.161	0.622	#
17)	M Triacontane (C30	12.90	12.43	585557	1171609	0.212	0.342	#
18)	M Hexatriacontane	16.19	15.55	613640	2889158	0.274	3.607	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

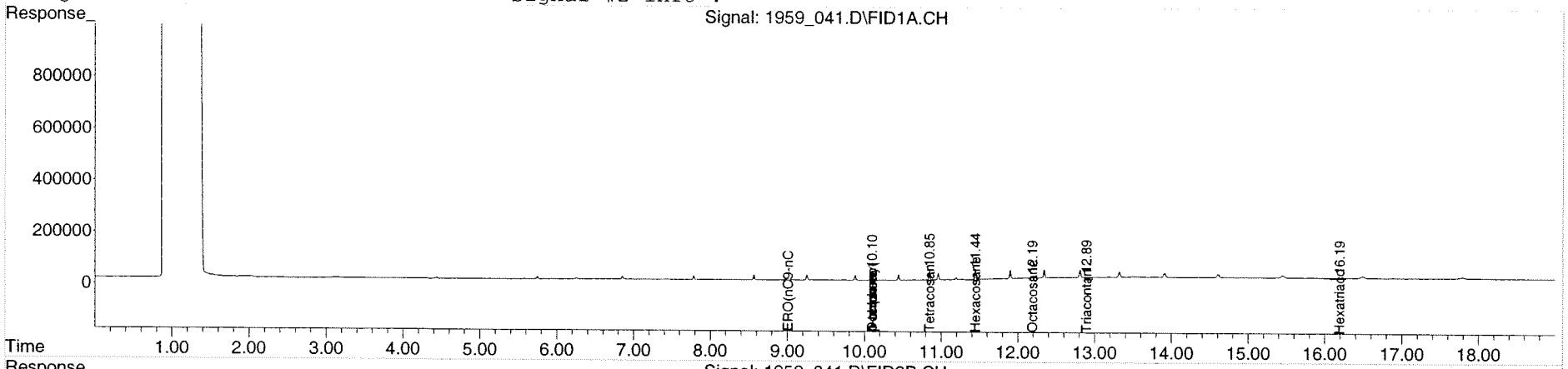
Quantitation Report (Not Reviewed)

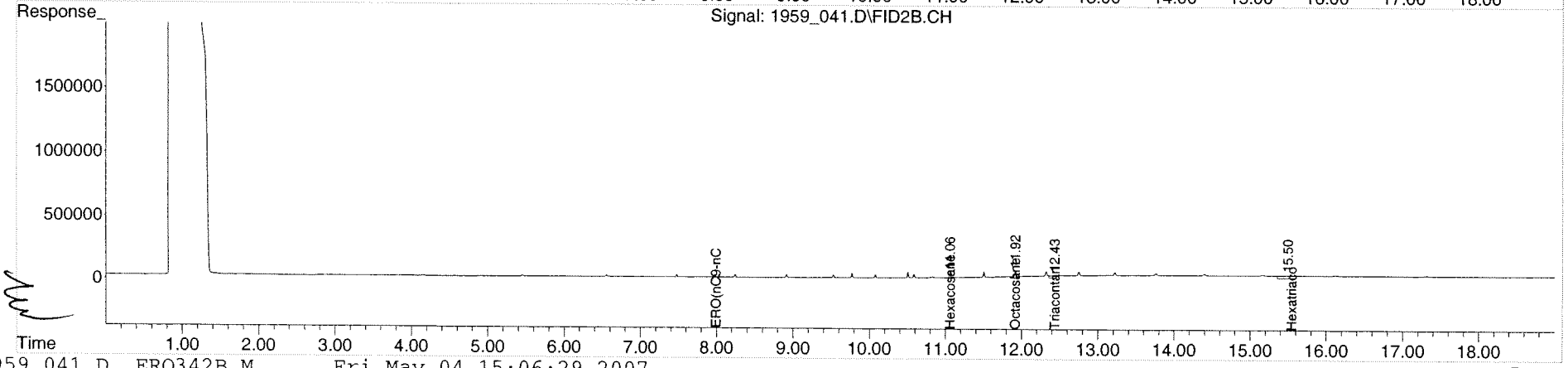
Data File : C:\MSDCHEM\1\DATA\1959\1959_041.D\FID1A.CH Vial: 41
Acq On : 04 May 2007 1:27 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_041.D\FID2B.CH Vial: 41
Acq On : 04 May 2007 1:53 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:06 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1959\1959_042.D\FID1A.CH Vial: 42
Acq On : 04 May 2007 1:53 pm Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_042.D\FID2B.CH Vial: 42
Acq On : 04 May 2007 2:18 pm Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 04 15:06:31 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	2.15	2.00	8458117	30578338	11.350	14.252 #
Spiked Amount 10.000			Recovery	=	113.50%	142.52%
2) S 1-chlorooctadeca	9.72	9.39	21610102	24561723	19.076	19.436
Spiked Amount 20.000			Recovery	=	95.38%	97.18%
3) S p-terphenyl	10.15	9.81	19131790	22206175	9.860	10.440
Spiked Amount 10.000			Recovery	=	98.60%	104.40%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	242.8E6	270.7E6	88.539	85.525
5) M Nonane (C9)	2.38	2.19	8503212	37954539	5.807	4.714
6) M Decane (C10)	3.17	2.94	21181581	44075222	6.463	4.886
7) M Dodecane (C12)	4.81	4.53	18099568	25183123	6.601	6.683
8) M Tetradecane (C14	6.25	5.96	18566839	22305579	6.504	6.964
9) M Hexadecane (C16)	7.43	7.14	18866816	21457343	6.511	6.740
10) M Octadecane (C18)	8.44	8.14	19150989	21780191	6.318	6.652
11) M Nonadecane (C19)	8.90	8.59	19097172	21675294	6.414	6.644
12) M Eicosane (C20)	9.34	9.02	19118179	21681083	6.429	6.655
13) M Docosane (C22)	10.15	9.81	19131790	22206175	6.357	6.667
14) M Tetracosane (C24	10.89	10.54	18798393	22581512	6.267	6.835
15) M Hexacosane (C26)	11.58	11.21	18835359	21661773	6.429	6.680
16) M Octacosane (C28)	12.22	11.92	18356649	1538435	6.054	0.801 #
17) M Triacontane (C30	12.92	12.44	17410166	20063190	6.295	5.860
18) M Hexatriacontane	16.28	15.41	12335755	3930955	5.516	4.908

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

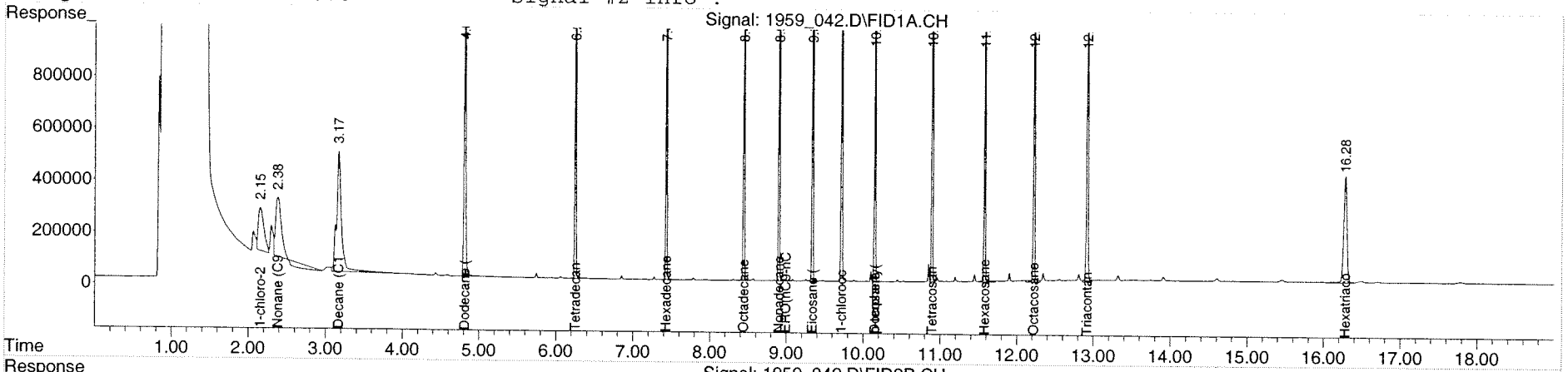
Quantitation Report (Not Reviewed)

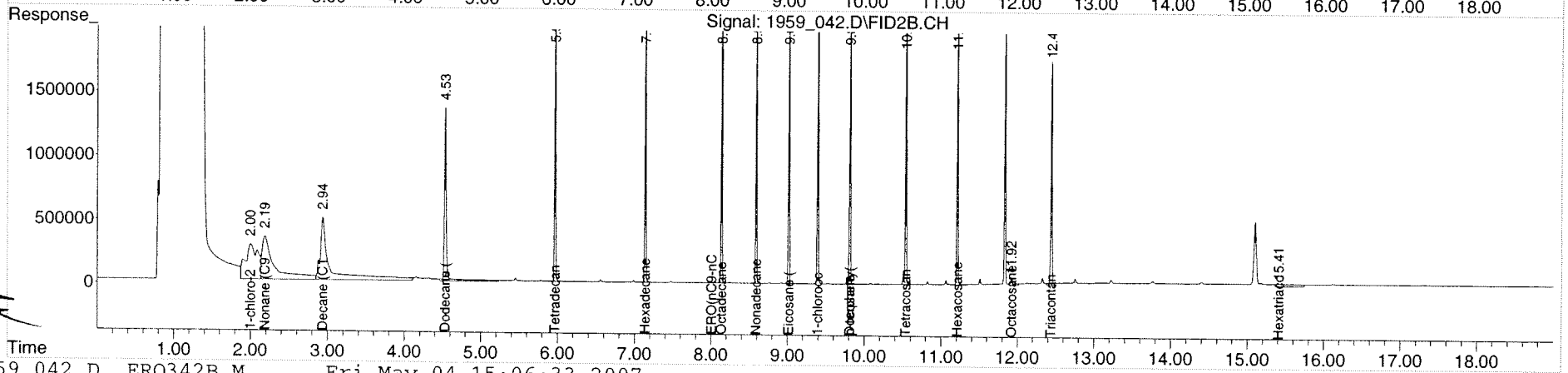
Data File : C:\MSDCHEM\1\DATA\1959\1959_042.D\FID1A.CH Vial: 42
Acq On : 04 May 2007 1:53 pm Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1959\1959_042.D\FID2B.CH Vial: 42
Acq On : 04 May 2007 2:18 pm Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 4 15:06 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





CASE NARRATIVE
GC GROUP
ERO ANALYSIS
METHOD SW846-8015b, 3545, 3510

Sample:	**A768789**	**CGC11-3**
	A768803	**CGC11-16**
	A768804	**CGC11-17**
	A768805	**CGC17-18**
	A768806	**CGC10-19**
	A768807	**CGC10-20**
	A768808	**5/2 duplicate 1**

These samples were analyzed according to normal procedures and all data quality acceptance criteria were satisfied with the following exceptions. Samples A768806 and A768808 required dilution, the surrogate recoveries were affected by the sample levels and dilutions.

Elizabeth Wernz
GC Supervisor

Injection Log

Directory: C:\MSDCHEM\1\DATA\1965

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1965_001.d	1.	CS2		09 May 2007 13:57
2	2	1965_002.d	1.	PRIMER		09 May 2007 14:22
3	3	1965_003.d	1.	PRIMER		09 May 2007 14:48
4	4	1965_004.d	1.	PRIMER		09 May 2007 15:13
5	5	1965_005.d	1.	PRIMER		09 May 2007 15:39
6	6	1965_006.d	1.	B634 ERO ✓		09 May 2007 16:04
7	7	1965_007.d	1.	BLA 543 FID W1504		09 May 2007 16:30
8	8	1965_008.d	1.	LCS 781 FID W1504		09 May 2007 16:55
9	9	1965_009.d	1.	DLCS 781 FID W1504		09 May 2007 17:21
10	10	1965_010.d	1.	A768878 FID W1504		09 May 2007 17:46
11	11	1965_011.d	1.	A768879 FID W1504		09 May 2007 18:12
12	12	1965_012.d	1.	BLA FID S1193		09 May 2007 18:37
13	13	1965_013.d	1.	LCS FID S1193		09 May 2007 19:03
14	14	1965_014.d	1.	A768863 FID S1193		09 May 2007 19:28
15	15	1965_015.d	1.	A768863 MS FID S1193		09 May 2007 19:53
16	16	1965_016.d	1.	A768863 MSD FID S1193		09 May 2007 20:19
17	17	1965_017.d	1.	A768803 FID S1193		09 May 2007 20:44
18	18	1965_018.d	1.	A768804 FID S1193		09 May 2007 21:10
19	19	1965_019.d	1.	A768805 FID S1193		09 May 2007 21:35
20	20	1965_020.d	1.	A768806 FID S1193		09 May 2007 22:01
21	21	1965_021.d	1.	A768807 FID S1193		09 May 2007 22:26
22	22	1965_022.d	1.	A768808 FID S1193		09 May 2007 22:51
23	23	1965_023.d	1.	A~~768790~~ FID S1993 A768789 5-13-07		09 May 2007 23:17
24	24	1965_024.d	1.	CS2		09 May 2007 23:42
25	25	1965_025.d	1.	CS2		10 May 2007 00:08
26	26	1965_026.d	1.	B634 ERO ✓		10 May 2007 00:33
27	27	1965_027.d	1.	A768850 FID S1193		10 May 2007 00:58
28	28	1965_028.d	1.	A768851 FID S1193		10 May 2007 01:24
29	29	1965_029.d	1.	A768854 FID S1193		10 May 2007 01:49
30	30	1965_030.d	1.	A768856 FID S1193		10 May 2007 02:15
31	31	1965_031.d	1.	A768857 FID S1193		10 May 2007 02:40
32	32	1965_032.d	1.	A768861 FID S1193		10 May 2007 03:05
33	33	1965_033.d	1.	A768806 1:10		10 May 2007 03:31
34	34	1965_034.d	1.	A768808 1:2		10 May 2007 03:56
35	35	1965_035.d	1.	BLA		10 May 2007 04:22
36	36	1965_036.d	1.	LCS		10 May 2007 04:47
37	37	1965_037.d	1.	RUSH 1		10 May 2007 05:12
38	38	1965_038.d	1.	RUSH 2		10 May 2007 05:38
39	39	1965_039.d	1.	CS2		10 May 2007 06:03
40	40	1965_040.d	1.	CS2		10 May 2007 06:28
41	41	1965_041.d	1.	B634 L-4 ✓		10 May 2007 06:54
42	42	1965_042.d	1.	B634 L-4 ✓		10 May 2007 07:19
43	43	1965_043.d	1.	CS2		10 May 2007 07:45
44	44	1965_044.d	1.	CS2		10 May 2007 14:45
45	45	1965_045.d	1.	PRIMER		10 May 2007 15:11
46	46	1965_046.d	1.	B635 DRO L-4		10 May 2007 15:36
47	47	1965_047.d	1.	B634 ERO L-4 ✓		10 May 2007 16:02
48	48	1965_048.d	1.	A769431 1:5		10 May 2007 16:27
49	49	1965_049.d	1.	BLA 597 FID S1194		10 May 2007 16:53
50	50	1965_050.d	1.	LCS 787 FID S1194		10 May 2007 17:19
51	51	1965_051.d	1.	A768872 FID S1194		10 May 2007 17:44
52	52	1965_052.d	1.	A768872 MSFID S1194		10 May 2007 18:10
53	53	1965_053.d	1.	A768872 MSD FID S1194		10 May 2007 18:35
54	54	1965_054.d	1.	A768862 FID S1194		10 May 2007 19:01
55	55	1965_055.d	1.	A768863 FID S1194		10 May 2007 19:26

Injection Log

Directory: C:\MSDCHEM\1\DATA\1965

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
56	56	1965_056.d	1.	A768864 FID S1194		10 May 2007 19:52
57	57	1965_057.d	1.	A768865 FID S1194		10 May 2007 20:18
58	58	1965_058.d	1.	A768866 FID S1194		10 May 2007 20:43
59	59	1965_059.d	1.	A768867 FID S1194		10 May 2007 21:09
60	60	1965_060.d	1.	A768868 FID S1194		10 May 2007 21:34
61	61	1965_061.d	1.	A768869 FID S1194		10 May 2007 22:00
62	62	1965_062.d	1.	A768870 FID S1194		10 May 2007 22:25
63	63	1965_063.d	1.	A768871 FID S1194		10 May 2007 22:50
64	64	1965_064.d	1.	A768873 FID S1194		10 May 2007 23:16
65	65	1965_065.d	1.	CS2		10 May 2007 23:41
66	66	1965_066.d	1.	CS2		11 May 2007 00:07
67	67	1965_067.d	1.	B635 DRO		11 May 2007 00:32
68	68	1965_068.d	1.	B634 ERO ✓		11 May 2007 00:57
69	69	1965_069.d	1.	A769079 FIDS 1194		11 May 2007 01:23
70	70	1965_070.d	1.	A769080 FIDS 1194		11 May 2007 01:48
71	71	1965_071.d	1.	A769081 FIDS 1194		11 May 2007 02:13
72	72	1965_072.d	1.	A769082 FIDS 1194		11 May 2007 02:39
73	73	1965_073.d	1.	A769083 FIDS 1194		11 May 2007 03:04
74	74	1965_074.d	1.	A769084 FIDS 1194		11 May 2007 03:29
75	75	1965_075.d	1.	CS2		11 May 2007 03:55
76	76	1965_076.d	1.	CS2		11 May 2007 04:20
77	77	1965_077.d	1.	B635 DRO		11 May 2007 04:45
78	78	1965_078.d	1.	B634 ERO ✓		11 May 2007 05:11
79	79	1965_079.d	1.	B635 DRO		11 May 2007 05:36
80	80	1965_080.d	1.	B634 ERO ✓		11 May 2007 06:01
81	81	1965_081.d	1.	CS2		11 May 2007 06:26
82	82	1965_082.d	1.	A768869 1:100		11 May 2007 08:03
83	83	1965_083.d	1.	A768870 1:2		11 May 2007 08:29
84	84	1965_084.d	1.	A769081 1:10		11 May 2007 08:54
85	85	1965_085.d	1.	A769082 1:10		11 May 2007 09:19
86	86	1965_086.d	1.	A769083 1:10		11 May 2007 09:44
87	87	1965_087.d	1.	A769084 1:10		11 May 2007 10:10
88	88	1965_088.d	1.	A768870		11 May 2007 10:35
89	89	1965_089.d	1.	CS2		11 May 2007 11:00
90	90	1965_090.d	1.	B635 DRO		11 May 2007 11:26
91	91	1965_091.d	1.	ERO B634		11 May 2007 11:51
92	92	1965_092.d	1.	CS2		11 May 2007 12:17
93	93	1965_093.d	1.	CS2		11 May 2007 12:42
94	94	1965_094.d	1.	OIL SAMPLE		11 May 2007 13:08
95	95	1965_095.d	1.	CS2		11 May 2007 13:33
96	96	1965_096.d	1.	CS2		11 May 2007 13:59
97	97	1965_097.d	1.			11 May 2007 14:24

Heritage Environmental Services, LLC

File/Run # 1952A

Analysis Start Date 5-9-07 Analysis Start Time 13.57 LIMS RunID _____

Analyst 1023 E. WERNZ Reviewer [illegible] 5/13/07 DE Recorder _____ _____

Instr. 342 Channel 1 DE Reviewer _____ _____

DUAL CHANNEL FID

CCV R Method 384 SW846-8015B Matrix _____ Initial _____ Final _____ PrepPage _____

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			86.8		UG/L	99.4		87.3	
3269	1-CHLOROOCTADECANE			94.5		%				

Analytical Comments

Dilution _____

543 BLA02 R Method 384 SW846-8015B Matrix 1 Initial 1000 Final 1 PrepPage _____

PCode	Parameter	Q# 1951281	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		59.4	BDL	100	UG/L				
3269	1-CHLOROOCTADECANE				95.6	%				

Analytical Comments

Dilution _____

781 LCS R Method 384 SW846-8015B Matrix 1 Initial 1000 Final 1 PrepPage _____

PCode	Parameter	Q# 1951282	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		150.6	151		UG/L	70		215.7	
3269	1-CHLOROOCTADECANE				210.8	%				

Analytical Comments

Dilution _____ LCS Concentrated, Insufficient to rerun, sample BDL

782 DLCS R Method 384 SW846-8015B Matrix 1 Initial 1000 Final 1 PrepPage _____

PCode	Parameter	Q# 1951283	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		55.5	55.5		UG/L	70		79.3	92.5
3269	1-CHLOROOCTADECANE				124.8	%				

Analytical Comments

Dilution _____

A768878 O410.3 R 0 Method 384 SW846-8015B Matrix 1 Initial 1000 Final 1.0 ML PrepPage _____

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		7.2	BDL	100	ug/L	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			121.3		% Rec	

Analytical Comments

Dilution _____

A768879 O410.3 R 0 Method 384 SW846-8015B Matrix 1 Initial 1000 Final 1.0 ML PrepPage _____

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		11.1	BDL	100	ug/L	
1804	...						

Heritage Environmental Services, LLC

File/Run # 1952A

A768879 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
971	SURROGATE RECOVERY					
972	----------					
3269	1-CHLOROOCTADECANE		75.0		% Rec	

Analytical Comments

Dilution

BLA02 R Method 384 SW846-8015B Matrix 5 Initial 20.06 Final 5 PrepPage

PCode	Parameter	Q# 1950501	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		316	80U	10	MG/KG				
3269	1-CHLOROOCTADECANE					83.9 %				

Analytical Comments

Dilution

LCS R Method 384 SW846-8015B Matrix 5 Initial 20.01 Final 5 PrepPage

PCode	Parameter	Q# 1950502	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		60.7	15.2		MG/KG	17.5		86.9	
3269	1-CHLOROOCTADECANE					94.7 %				

Analytical Comments

Dilution

A768863 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.09 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		15.7	80U	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			91.9		% Rec	

Analytical Comments

Dilution

A768863 SPI02 R Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 PrepPage

PCode	Parameter	Q# 1950503	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		52.4	13.0		MG/KG	0	17.5	74.3	
3269	1-CHLOROOCTADECANE					85.3 %				

Analytical Comments

Dilution

A768863 DPS02 R Method 384 SW846-8015B Matrix 5 Initial 20.04 Final 5 PrepPage

PCode	Parameter	Q# 1950504	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		59.8	14.9		MG/KG	0	17.5	85.1	13.6
3269	1-CHLOROOCTADECANE				90.6	~~85.7~~ %				

Analytical Comments 5-13-07 GW

Dilution

A768803 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.02 Final 5 ML PrepPage

Heritage Environmental Services, LLC

File/Run # 1952A

A768803 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)	101.6	25	10	mg/kg	
1804	...					
971	SURROGATE RECOVERY					
972	----------					
3269	1-CHLOROOCTADECANE		118.7		% Rec	

Analytical Comments

Dilution

A768804 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.02 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		204.3	51	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			125.5		% Rec	

Analytical Comments

Dilution

A768805 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.02 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		30.0	BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			90.2		% Rec	

Analytical Comments

Dilution

A768807 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.03 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		168.6	42.	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			81.9		% Rec	

Analytical Comments

Dilution

A768789 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.02 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		171.8	43	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			116.7		% Rec	

Heritage Environmental Services, LLC

File/Run # 1952A

A768789 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie

Analytical Comments

Dilution ____

CCV R Method 384 SW846-8015B Matrix ____ Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			96.6		MG/KG	99.4		97.2	
3269	1-CHLOROOCTADECANE			96.6		%				

Analytical Comments

Dilution ____

A768850 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		14.8	BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			80.9		% Rec	

Analytical Comments

Dilution ____

A768851 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.04 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		14.4	BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			96.2		% Rec	

Analytical Comments

Dilution ____

A768854 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.03 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		12.95	BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			90.3		% Rec	

Analytical Comments

Dilution ____

A768856 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		13.2	BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						

Heritage Environmental Services, LLC

File/Run # 1952A

A768856 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
972	----------					
3269	1-CHLOROOCTADECANE		90.2		% Rec	

Analytical Comments

Dilution

A768857 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.06 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		24.3	B 04	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			94.6		% Rec	

Analytical Comments

Dilution

A768861 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.03 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		228.4	57	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			148.5		% Rec	

Analytical Comments

Dilution

A768806 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		99.4	250	10	mg/kg	10
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			~~281~~ 282.3		% Rec	

Analytical Comments

Dilution 1:10

Comment 1: Surrogate recovery affected by ERO levels in sample

A768808 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		150.0	75	10	mg/kg	2
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			140.2		% Rec	

Analytical Comments

Dilution 1:2

Heritage Environmental Services, LLC

File/Run # 1952A

Date ~~4-10-07~~ 5-10-07

BLA02 R — cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD

607 ~~549~~ BLA02 R Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 PrepPage

Q# 1954397

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)	18.5	806	10	MG/KG				
3269	1-CHLOROOCTADECANE		90.9		%				

Analytical Comments

Dilution

798 ~~787~~ LCS R Method 384 SW846-8015B Matrix 5 Initial 20.01 Final 5 PrepPage

Q# 1954398

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)	59.8	814.9		MG/KG	17.5		85.1	
3269	1-CHLOROOCTADECANE	5-15-07	89.3		%				

Analytical Comments

Dilution

A769430 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.10 Final 5 ML PrepPage

Q#

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie	
3884	EXTENDED RANGE ORGANICS (ERO)	163.1	41	10	mg/kg		
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE		102.4		% Rec		

Analytical Comments

Dilution

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

Q#

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		~~99.9~~ 100.0		MG/KG	99.4		100.6	
3269	1-CHLOROOCTADECANE		98.8		%				

Analytical Comments

Dilution

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

Q#

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		96.2		MG/KG	99.4		96.8	
3269	1-CHLOROOCTADECANE		99.9		%				

Analytical Comments

Dilution

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

Q#

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)		89.9		MG/KG	99.4		90.4	
3269	1-CHLOROOCTADECANE		95.2		%				

Analytical Comments

Heritage Environmental Services, LLC

File/Run # 1952A

CCV R

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD

Dilution ____

A769431 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.06 Final 5 ML PrepPage

PCode Parameter Q# ~~1952927~~ 5-13-07 Ext. Conc Results Limit Units Limit Multiplie 5

3884	EXTENDED RANGE ORGANICS (ERO)	108.7	130	10	mg/kg
1804	...				
971	SURROGATE RECOVERY				
972	----------				
3269	1-CHLOROOCTADECANE	____	95.5		% Rec

Analytical Comments

Dilution 1:5

597 BLA02 R Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 PrepPage

PCode Parameter Q# 1952928 Ext. Conc Results Limit Units Samp/TruVal SpiVal Recovery RPD

3884	EXTENDED RANGE ORGANICS (ERO)	17.7	BDL	10	MG/KG				
3269	1-CHLOROOCTADECANE	____	99.4		%				

Analytical Comments

Dilution ____

787 LCS R Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 PrepPage

PCode Parameter Q# 1952928 Ext. Conc Results Limit Units Samp/TruVal SpiVal Recovery RPD

3884	EXTENDED RANGE ORGANICS (ERO)	69.0	17.3		MG/KG	17.5		98.9	
3269	1-CHLOROOCTADECANE	____	109.4		%				

Analytical Comments

Dilution ____

A768872 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.05 Final 5 ML PrepPage

PCode Parameter Q#____ Ext. Conc Results Limit Units Limit Multiplie ____

3884	EXTENDED RANGE ORGANICS (ERO)	10.1	BDL	10	mg/kg
1804	...				
971	SURROGATE RECOVERY				
972	----------				
3269	1-CHLOROOCTADECANE	____	90.1		% Rec

Analytical Comments

Dilution ____

A768872 SPI02 R Method 384 SW846-8015B Matrix 5 Initial 20.08 Final 5 PrepPage

PCode Parameter Q# 1952929 Ext. Conc Results Limit Units Samp/TruVal SpiVal Recovery RPD

3884	EXTENDED RANGE ORGANICS (ERO)	55.5	13.8		MG/KG	0	17.5	78.9	
3269	1-CHLOROOCTADECANE	____	____		86.9 %				

Analytical Comments

Dilution ____

A768872 DPS02 R Method 384 SW846-8015B Matrix 5 Initial 20.01 Final 5 PrepPage

PCode Parameter Q# 1952930 Ext. Conc Results Limit Units Samp/TruVal SpiVal Recovery RPD

Heritage Environmental Services, LLC

File/Run # 1952A

A768872 DPS02 R

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD
3884	EXTENDED RANGE ORGANICS (ERO)	54.8	13.7		MG/KG	0	12.8	78.3	0.76
3269	1-CHLOROOCTADECANE				91.6%				

Analytical Comments

Dilution _____

A768862 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		109.5	27	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			86.5		% Rec	

Analytical Comments

Dilution _____

A768863 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.09 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)				10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE					% Rec	

5-13-07

Analytical Comments

Dilution _____

A768864 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.02 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		15.4	30L	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			74.7		% Rec	

Analytical Comments

Dilution _____

A768865 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.06 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		15.8	130L	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			84.9		% Rec	

Analytical Comments

Dilution _____

Heritage Environmental Services, LLC

File/Run # 1952A

A768866 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie

A768866 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.04 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		19.2	BOL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			90.1		% Rec	

Analytical Comments

Dilution

A768867 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.06 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		5.312	BOL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			80.1		% Rec	

Analytical Comments

Dilution

A768868 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.04 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		9.43	BOL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			78.3		% Rec	

Analytical Comments

Dilution

A768871 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.05 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		57.7	14 5.13.07	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			66.7		% Rec	

Analytical Comments

Dilution

A768873 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.04 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		29.3	BOL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						

Heritage Environmental Services, LLC

File/Run # 1952A

A768873 O410.3 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
972	----------					
3269	1-CHLOROOCTADECANE		78.8		% Rec	

Analytical Comments

Dilution

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			93.9		MG/KG	99.4		94.5	
3269	1-CHLOROOCTADECANE			96.9		%				

Analytical Comments

Dilution

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			92.8		MG/KG	99.4		93.4	
3269	1-CHLOROOCTADECANE			98.1		%				

Analytical Comments

Dilution

CCV R Method 384 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884	EXTENDED RANGE ORGANICS (ERO)			90.6		MG/KG	99.4		91.1	
3269	1-CHLOROOCTADECANE			95.6		%				

Analytical Comments

Dilution

A768869 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.03 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		221.6	5500	10	mg/kg	100
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			D		% Rec	

Analytical Comments

Dilution 1:100

A768870 O410.3 R 0 Method 384 SW846-8015B Matrix 5 Initial 20.00 Final 5 ML PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3884	EXTENDED RANGE ORGANICS (ERO)		9.02	60U	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3269	1-CHLOROOCTADECANE			100.2		% Rec	

Analytical Comments

Heritage Environmental Services, LLC

File/Run # 1952A

A768870 O410.3 R 0 cont

PCode Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie

Dilution ____

CCV R Method 384 SW846-8015B Matrix ____ Initial Final PrepPage

PCode Parameter Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3884 EXTENDED RANGE ORGANICS (ERO)		89.7		MG/KG	99.4		90.2	
3269 1-CHLOROOCTADECANE		100.0		%				

Analytical Comments

Dilution ____

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

ERO Reporting Limits

METHOD	SW846-8015		**Reporting Limits**	
MATRIX				
WATER				
LCS (LFB)	ERO	*	**53.3-172.5**	
MS/MSD	ERO	*	**50-150**	limits set are narrower than control chart limits
SURROGATE	1-chlorooctadecane		**39.7-139.3**	
SOIL				
LCS (LFB)	ERO		**67.1-158.6**	
MS/MSD	ERO		**25.3-170.3**	
SURROGATE	1-chlorooctadecane		**27-149.5**	

updated

*=insufficient data points available

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR ERO

LIMS R518783

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA	Q1950501	BLA02	P231.7	5-3-07	RSCOTT	20.06 g	5 mL	W / 1103	SPIKE B633	250 ml digestate ~~125 ml~~ B627
LCS	Q1950502	LCS				20.01 g	mL	/		
A768863	Q1950503	SPI02				20.08 g	mL	/		
A768863	Q1950504	DPS02				20.04 g	mL	/		
A768863	CGC-11-16					20.02 g	mL	/		
804	CGC-11-17					20.02 g	mL	/		
805	CGC-17-18					20.02 g	mL	/		
806	CGC-10-19					20.08 g	mL	/		
807	CGC-10-20					20.03 g	mL	/		
808	S/2 Duplicate					20.08 g	mL	/		
850	KC-1M(4-6)					20.00 g	mL	/		
851	KC-1M(10-12)					20.04 g	mL	/		
852	KC-9 (4-6)					20.06 g	mL	/		
853	KC-16 (8-10)					20.05 g	mL	/		
854	KC-10 (10-12)					20.03 g	mL	/		
855	KC-25 (2-3)					20.05 g	mL	/		
856	KC-25 (10-12)					20.00 g	mL	/		
857	KC-25 (10-12) DUP					20.06 g	mL	/		comp 5-4-07 RLP

MeCL2 lot# _____ PENTANE lot# _____

CS2 lot# _____ ACETONE lot# _____

Prep Page FID S-

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR _____ LIMS _____

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA		BLA02	~~P231.7~~			~~20.00~~ g	~~5~~ mL	/		
LCS		LCS				g	mL	/		~~125ml~~
		SPI02				g	mL	/		
		DPS02				g	mL	/		
• A768858	KC-13 (4-6)		P231.7	5-3-07	RSG24	20.01 g	5.0 mL	W / 1103	B633	
• 859	KC-23 (1-3)					20.04 g	mL	/		
• 860	KC-23 (2-4)					20.07 g	mL	/		
861	~~KB~~-26 (10-12)					20.03 g	mL	/		
862	CGC-11-3					20.02 g	mL	/		comp 5-4-07 RLB
863	KB-61 (6-8)					20.09 g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		

MeCL2 lot# _____ PENTANE lot# _____
CS2 lot# _____ ACETONE lot# _____

Prep Page FID S-

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007

Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	3.867	6.272	6.937	8.481	9.178	9.976	7.452	E5	29.96
2)	S	1-chlorooctadeca	1.269	1.254	1.071	1.051	1.058	1.093	1.133	E6	8.91
4)	H,T	ERO(nC9-nC36)	3.251	3.344	2.752	2.487	2.347	2.272	2.742	E6	16.82
5)	M	Nonane (C9)	0.845	1.488	1.299	1.564	1.747	1.842	1.464	E6	24.50
6)	M	Decane (C10)	5.168	3.713	2.871	2.632	2.657	2.623	3.277	E6	30.99
7)	M	Dodecane (C12)	3.296	3.011	2.566	2.490	2.536	2.551	2.742	E6	12.12
8)	M	Tetradecane (C14	3.524	3.159	2.655	2.576	2.602	2.611	2.855	E6	13.85
9)	M	Hexadecane (C16)	3.597	3.178	2.699	2.616	2.643	2.652	2.898	E6	13.90
10)	M	Octadecane (C18)	3.817	3.318	2.822	2.726	2.757	2.746	3.031	E6	14.71
11)	M	Nonadecane (C19)	3.713	3.268	2.777	2.685	2.709	2.711	2.977	E6	14.21
12)	M	Eicosane (C20)	3.676	3.266	2.776	2.690	2.716	2.720	2.974	E6	13.69
13)	M	Docosane (C22)	3.742	3.300	2.814	2.714	2.745	2.742	3.010	E6	14.00
14)	M	Tetracosane (C24	3.868	3.262	2.769	2.679	2.707	2.712	3.000	E6	15.97
15)	M	Hexacosane (C26)	3.517	3.236	2.767	2.682	2.686	2.689	2.930	E6	12.25
16)	M	Octacosane (C28)	3.745	3.615	2.915	2.702	2.579	2.637	3.032	E6	17.02
17)	M	Triacontane (C30	3.329	3.119	2.672	2.521	2.453	2.499	2.766	E6	13.32
18)	M	Hexatriacontane	2.523	2.888	2.240	1.990	1.854	1.923	2.236	E6	18.02

Signal #2 Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	4.001	2.719	1.729	1.311	1.889	1.225	2.146	E6	49.13
2)	S	1-chlorooctadeca	1.427	1.366	1.203	1.177	1.194	1.215	1.264	E6	8.32
4)	H,T	ERO(nC9-nC36)	3.842	3.885	3.293	2.774	2.684	2.512	3.165	E6	18.97
5)	M	Nonane (C9)	2.093	0.982	0.616	0.418	0.416	0.305	0.805	E7	83.83
6)	M	Decane (C10)	2.287	1.090	0.709	0.471	0.496	0.361	0.902	E7	80.46
7)	M	Dodecane (C12)	5.301	4.578	3.540	3.031	3.272	2.887	3.768	E6	25.53
8)	M	Tetradecane (C14	3.946	3.507	2.995	2.881	2.994	2.894	3.203	E6	13.47
9)	M	Hexadecane (C16)	3.909	3.443	2.982	2.900	2.949	2.919	3.184	E6	12.87
10)	M	Octadecane (C18)	4.060	3.529	3.104	2.971	3.002	2.981	3.274	E6	13.41
11)	M	Nonadecane (C19)	4.051	3.513	3.057	2.965	3.009	2.979	3.262	E6	13.43
12)	M	Eicosane (C20)	4.011	3.513	3.058	2.964	3.017	2.984	3.258	E6	12.96
13)	M	Docosane (C22)	4.360	3.550	3.080	2.974	3.023	2.996	3.331	E6	16.46
14)	M	Tetracosane (C24	4.287	3.504	3.063	2.983	3.014	2.971	3.304	E6	15.80
15)	M	Hexacosane (C26)	3.918	3.504	3.050	2.995	3.003	2.989	3.243	E6	11.90
16)	M	Octacosane (C28)	3.935	4.064	3.298	0.109	0.074	0.041	1.920	E6	106.15
17)	M	Triacontane (C30	4.038	3.952	3.265	3.136	3.119	3.030	3.424	E6	13.15
18)	M	Hexatriacontane	3.228	0.562	0.313	0.382	0.248	0.073	0.801	E6	149.81

(#) = Out of Range

ERO342B.M Fri Apr 27 09:21:22 2007

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID1A.CH Vial: 13
Acq On : 27 Apr 2007 1:51 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID2B.CH Vial: 13
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:39 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	2.15	2.01	386675	4001394	0.519	1.865	#
Spiked Amount 10.000			Recovery	=	5.19%	18.65%	
2) S 1-chlorooctadeca	9.72	9.41	2538597	2853241	2.241	2.258	
Spiked Amount 20.000			Recovery	=	11.21%	11.29%	
3) S p-terphenyl	10.15	9.83	2619130	3051690	1.350	1.435	
Spiked Amount 10.000			Recovery	=	13.50%	14.35%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	39905899	40491246	14.553	12.794	
5) M Nonane (C9)	2.38	2.19	591678	14653271	0.404	1.820	#
6) M Decane (C10)	3.17	2.95	3617385	16007057	1.104	1.774	#
7) M Dodecane (C12)	4.82	4.55	2317530	3710994	0.845	0.985	
8) M Tetradecane (C14	6.25	5.98	2466853	2762136	0.864	0.862	
9) M Hexadecane (C16)	7.44	7.15	2518010	2736306	0.869	0.859	
10) M Octadecane (C18)	8.45	8.15	2674425	2841852	0.882	0.868	
11) M Nonadecane (C19)	8.91	8.60	2599190	2835463	0.873	0.869	
12) M Eicosane (C20)	9.34	9.03	2572955	2807657	0.865	0.862	
13) M Docosane (C22)	10.15	9.83	2619130	3051690	0.870	0.916	
14) M Tetracosane (C24	10.90	10.56	2714288	3021542	0.905	0.915	
15) M Hexacosane (C26)	11.58	11.23	2549174	2982922	0.870	0.920	
16) M Octacosane (C28)	12.23	11.85	3280928	4318382	1.082	2.249	#
17) M Triacontane (C30	12.92	12.46	2928258	4026038	1.059	1.176	
18) M Hexatriacontane	16.30	15.47	1713970	2294482	0.766	2.865	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

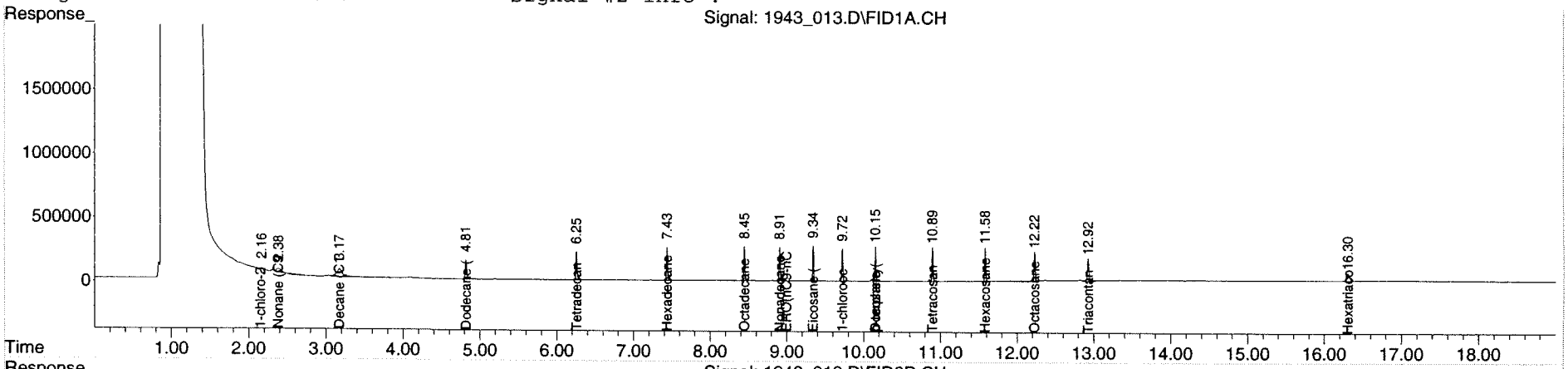
Quantitation Report (Not Reviewed)

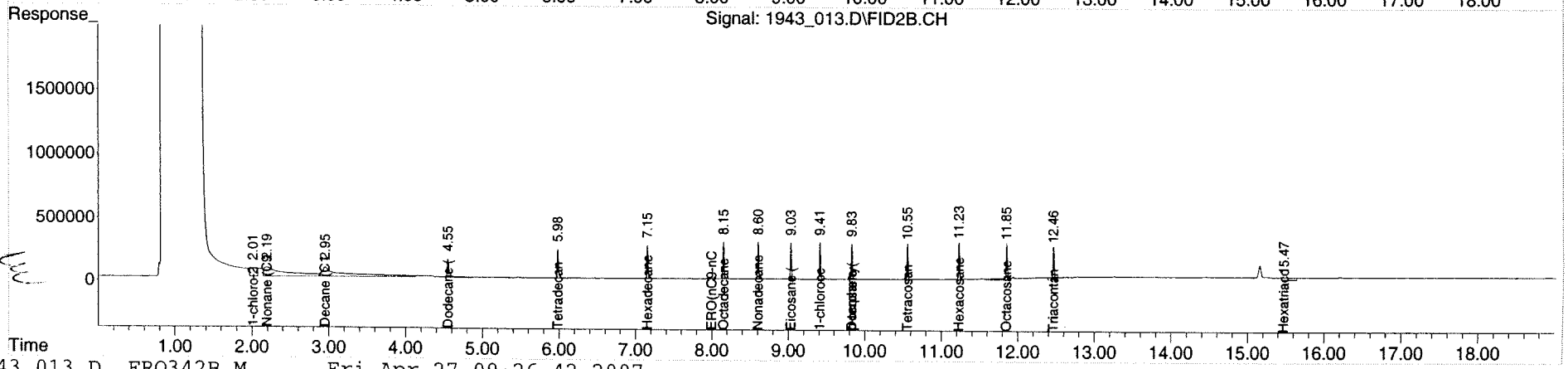
Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID1A.CH Vial: 13
Acq On : 27 Apr 2007 1:51 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_013.D\FID2B.CH Vial: 13
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-1 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID1A.CH Vial: 14
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID2B.CH Vial: 14
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:44 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1) S	1-chloro-2-flour	2.15	2.01	1254393	5437744	1.683	2.534	#
Spiked Amount	10.000			Recovery	=	16.83%	25.34%	
2) S	1-chlorooctadeca	9.72	9.41	5015623	5462911	4.427	4.323	
Spiked Amount	20.000			Recovery	=	22.13%	21.62%	
3) S	p-terphenyl	10.15	9.83	5939125	6390591	3.061	3.004	
Spiked Amount	10.000			Recovery	=	30.61%	30.04%	
	Target Compounds							
4) H,T	ERO(nC9-nC36)	9.00	8.00	84259616	97890581	30.729	30.929	
5) M	Nonane (C9)	2.38	2.19	2677973	17677037	1.829	2.196	
6) M	Decane (C10)	3.17	2.95	6682989	19617148	2.039	2.175	
7) M	Dodecane (C12)	4.81	4.55	5419752	8240778	1.977	2.187	
8) M	Tetradecane (C14	6.25	5.98	5685901	6313231	1.992	1.971	
9) M	Hexadecane (C16)	7.43	7.15	5720385	6198047	1.974	1.947	
10) M	Octadecane (C18)	8.45	8.15	5973051	6351338	1.971	1.940	
11) M	Nonadecane (C19)	8.91	8.60	5883298	6323270	1.976	1.938	
12) M	Eicosane (C20)	9.34	9.03	5878111	6322852	1.977	1.941	
13) M	Docosane (C22)	10.15	9.83	5939125	6390591	1.973	1.919	
14) M	Tetracosane (C24	10.89	10.55	5871339	6307274	1.957	1.909	
15) M	Hexacosane (C26)	11.58	11.23	5825429	6307246	1.988	1.945	
16) M	Octacosane (C28)	12.22	11.85	6506570	7315048	2.146	3.810	#
17) M	Triacontane (C30	12.92	12.46	5614320	7114273	2.030	2.078	
18) M	Hexatriacontane	16.30	15.47	5198694	1010824	2.325	1.262	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

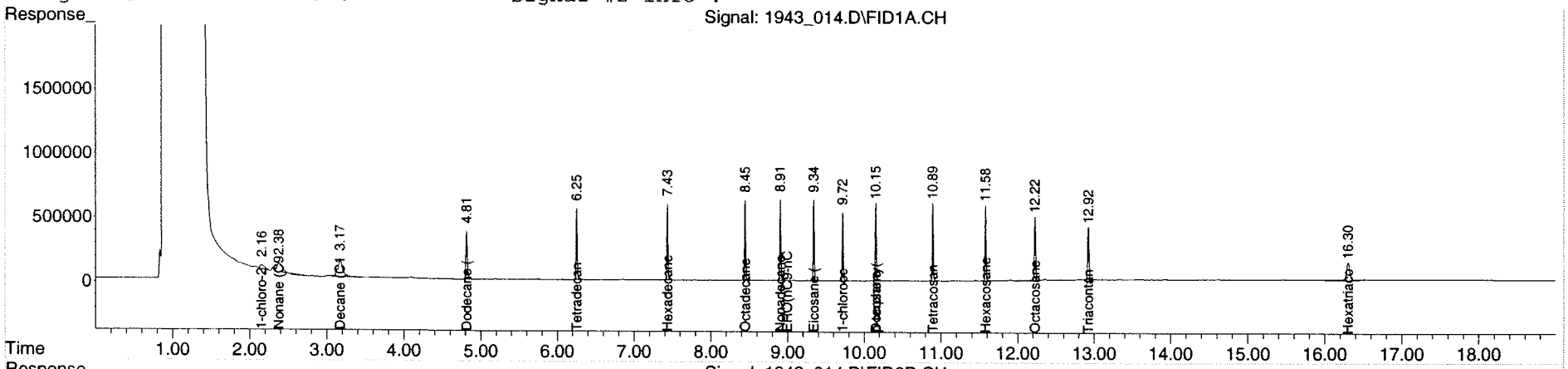
Quantitation Report (Not Reviewed)

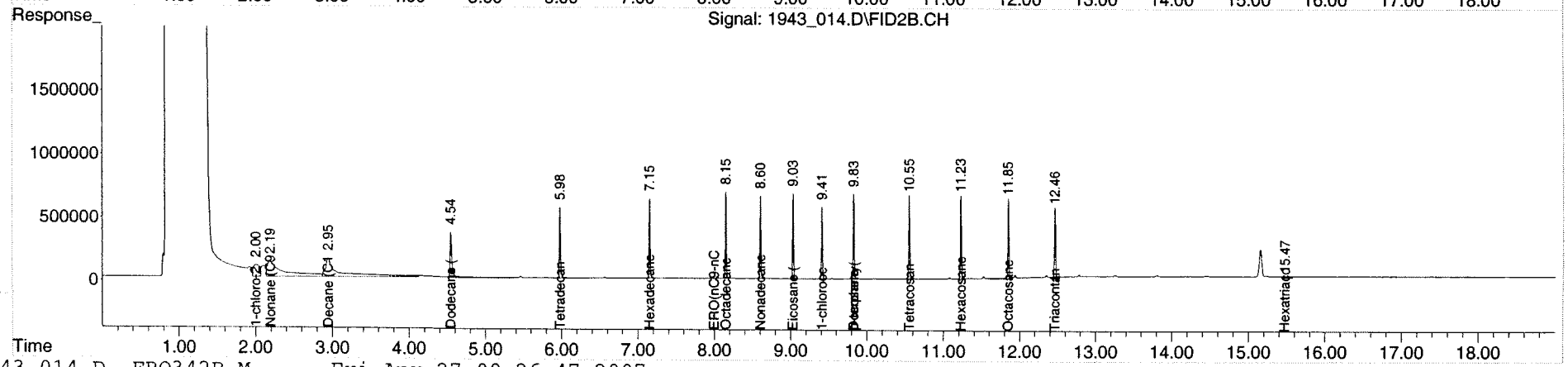
Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID1A.CH Vial: 14
Acq On : 27 Apr 2007 2:16 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_014.D\FID2B.CH Vial: 14
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID1A.CH Vial: 15
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID2B.CH Vial: 15
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:49 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	3468731	8643631	4.655	4.029	
	Spiked Amount 10.000			Recovery	=	46.55%	40.29%	
2)	S 1-chlorooctadeca	9.72	9.41	10713271	12031595	9.457	9.521	
	Spiked Amount 20.000			Recovery	=	47.29%	47.61%	
3)	S p-terphenyl	10.15	9.83	10129374	11089743	5.221	5.214	
	Spiked Amount 10.000			Recovery	=	52.21%	52.14%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	138.7E6	166.0E6	50.575	52.438	
5)	M Nonane (C9)	2.38	2.19	4677593	22164474	3.194	2.753	
6)	M Decane (C10)	3.17	2.94	10337243	25514450	3.154	2.828	
7)	M Dodecane (C12)	4.81	4.55	9239395	12742411	3.370	3.382	
8)	M Tetradecane (C14	6.25	5.98	9558167	10780596	3.348	3.366	
9)	M Hexadecane (C16)	7.43	7.15	9717759	10733889	3.354	3.372	
10)	M Octadecane (C18)	8.45	8.15	10159831	11173668	3.352	3.413	
11)	M Nonadecane (C19)	8.91	8.60	9996381	11004425	3.357	3.373	
12)	M Eicosane (C20)	9.34	9.03	9994156	11007870	3.361	3.379	
13)	M Docosane (C22)	10.15	9.83	10129374	11089743	3.366	3.330	
14)	M Tetracosane (C24	10.90	10.56	9968051	11026881	3.323	3.338	
15)	M Hexacosane (C26)	11.58	11.23	9961574	10979617	3.400	3.386	
16)	M Octacosane (C28)	12.22	11.85	10493425	11873206	3.461	6.183	#
17)	M Triacontane (C30	12.92	12.46	9620970	11755450	3.479	3.434	
18)	M Hexatriacontane	16.30	15.47	8064069	1127597	3.606	1.408	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

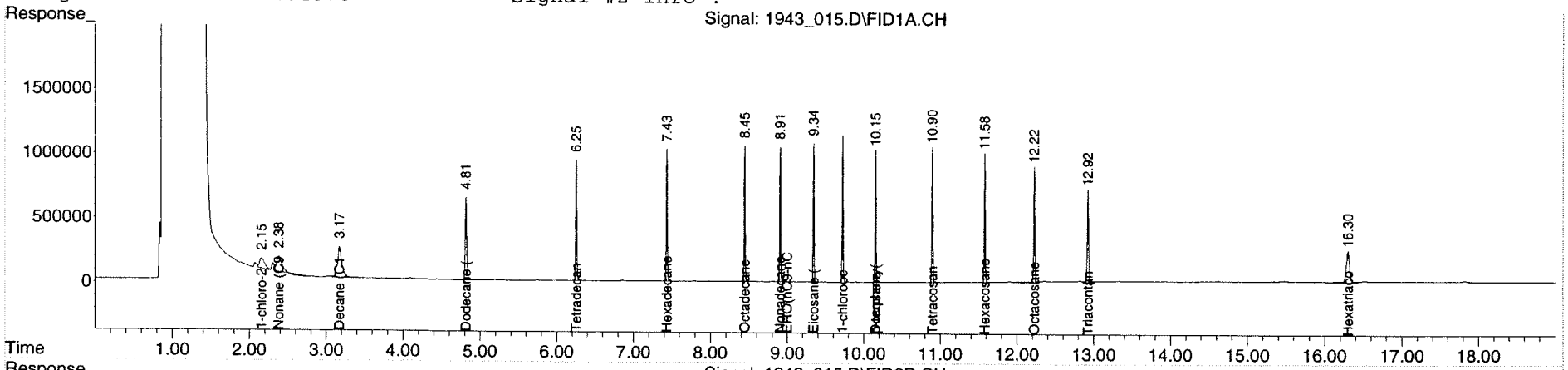
Quantitation Report (Not Reviewed)

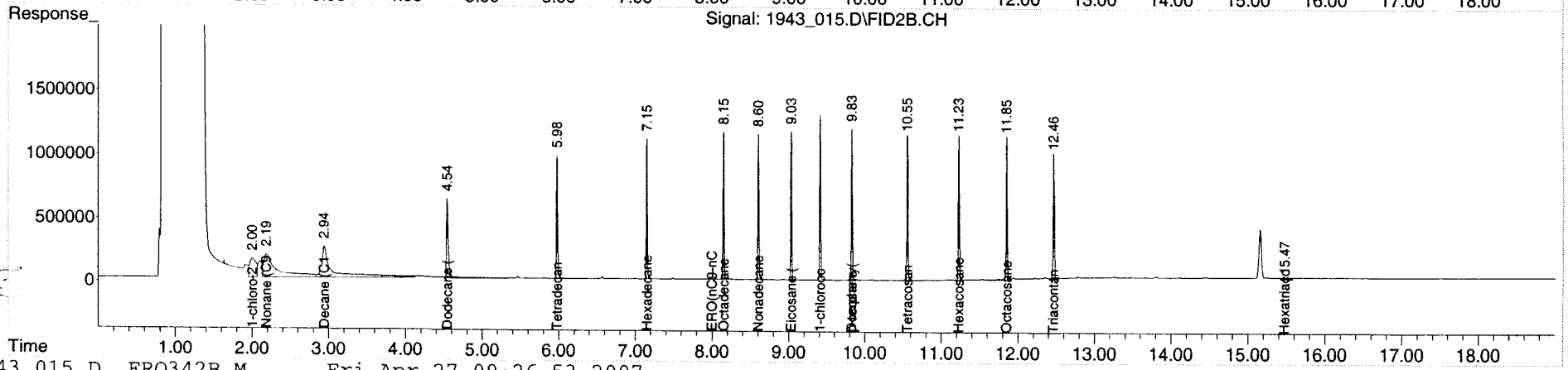
Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID1A.CH Vial: 15
Acq On : 27 Apr 2007 2:42 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_015.D\FID2B.CH Vial: 15
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-3 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID1A.CH Vial: 16
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID2B.CH Vial: 16
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:26:55 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	8480893	13111517	11.381	6.111	#
	Spiked Amount 10.000			Recovery	=	113.81%	61.11%	
2)	S 1-chlorooctadeca	9.72	9.41	21013542	23547855	18.549	18.634	
	Spiked Amount 20.000			Recovery	=	92.75%	93.17%	
3)	S p-terphenyl	10.15	9.83	19271892	21115911	9.933	9.927	
	Spiked Amount 10.000			Recovery	=	99.33%	99.27%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	247.2E6	275.7E6	90.144	87.121	
5)	M Nonane (C9)	2.38	2.19	11107049	29708644	7.585	3.690	#
6)	M Decane (C10)	3.17	2.94	18686472	33411391	5.702	3.704	#
7)	M Dodecane (C12)	4.81	4.54	17678940	21516876	6.448	5.710	
8)	M Tetradecane (C14	6.25	5.98	18289602	20456952	6.407	6.387	
9)	M Hexadecane (C16)	7.43	7.15	18577064	20593123	6.411	6.468	
10)	M Octadecane (C18)	8.45	8.15	19352240	21090929	6.385	6.441	
11)	M Nonadecane (C19)	8.91	8.60	19066244	21049025	6.404	6.452	
12)	M Eicosane (C20)	9.34	9.03	19096369	21043704	6.421	6.460	
13)	M Docosane (C22)	10.15	9.83	19271892	21115911	6.404	6.340	
14)	M Tetracosane (C24	10.90	10.56	19021772	21179918	6.342	6.411	
15)	M Hexacosane (C26)	11.58	11.23	19040634	21263026	6.499	6.557	
16)	M Octacosane (C28)	12.23	11.94	19181700	777422	6.326	0.405	#
17)	M Triacontane (C30	12.92	12.46	17899681	22265831	6.472	6.504	
18)	M Hexatriacontane	16.30	15.47	14130474	2712310	6.319	3.387	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

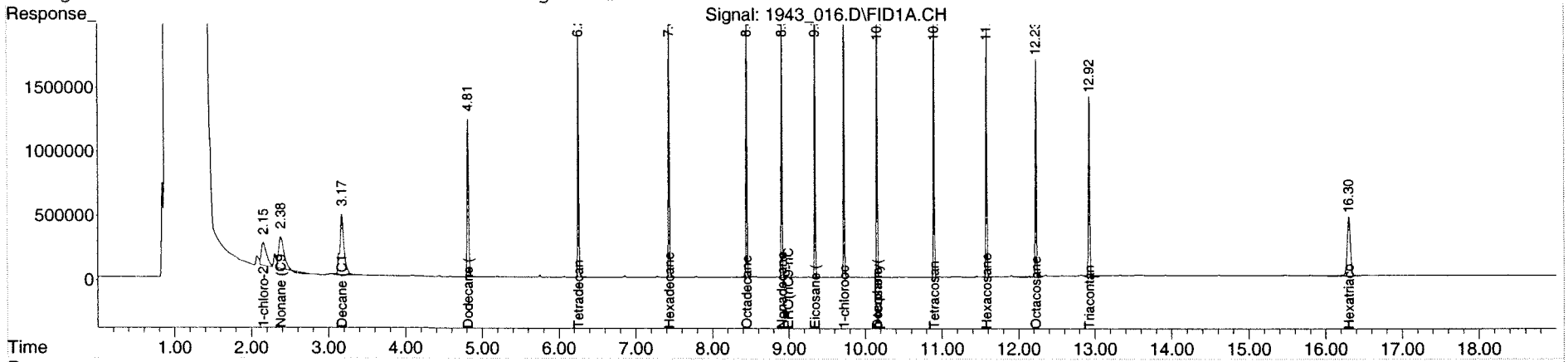
Quantitation Report (Not Reviewed)

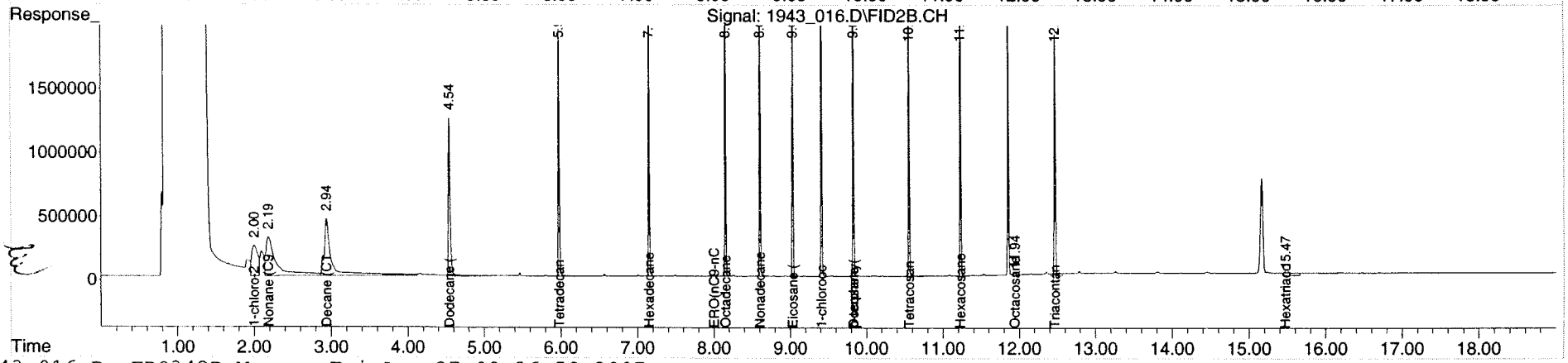
Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID1A.CH Vial: 16
Acq On : 27 Apr 2007 3:07 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_016.D\FID2B.CH Vial: 16
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:26 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID1A.CH Vial: 17
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID2B.CH Vial: 17
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:27:01 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	13766976	28334082	18.474	13.206	#
	Spiked Amount 10.000			Recovery	=	184.74%	132.06%	
2)	S 1-chlorooctadeca	9.72	9.41	31754558	35822089	28.031	28.347	
	Spiked Amount 20.000			Recovery	=	140.15%	141.74%	
3)	S p-terphenyl	10.15	9.83	29370164	32346056	15.137	15.207	
	Spiked Amount 10.000			Recovery	=	151.37%	152.07%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	351.7E6	402.1E6	128.244	127.042	
5)	M Nonane (C9)	2.38	2.19	18695841	44481703	12.767	5.525	#
6)	M Decane (C10)	3.17	2.94	28434365	53071971	8.676	5.883	#
7)	M Dodecane (C12)	4.81	4.54	27136976	35007095	9.898	9.290	
8)	M Tetradecane (C14	6.25	5.98	27844418	32032484	9.755	10.001	
9)	M Hexadecane (C16)	7.44	7.15	28281853	31551472	9.760	9.910	
10)	M Octadecane (C18)	8.45	8.15	29500613	32124437	9.733	9.811	
11)	M Nonadecane (C19)	8.91	8.60	28984986	32197832	9.735	9.870	
12)	M Eicosane (C20)	9.34	9.03	29060787	32277062	9.772	9.908	
13)	M Docosane (C22)	10.15	9.83	29370164	32346056	9.759	9.712	
14)	M Tetracosane (C24	10.90	10.56	28967302	32254272	9.657	9.763	
15)	M Hexacosane (C26)	11.58	11.23	28744052	32129205	9.811	9.907	
16)	M Octacosane (C28)	12.23	11.94	27592720	793374	9.100	0.413	#
17)	M Triacontane (C30	12.92	12.47	26252207	33377426	9.492	9.749	
18)	M Hexatriacontane	16.30	15.47	19832692	2653976	8.869	3.314	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

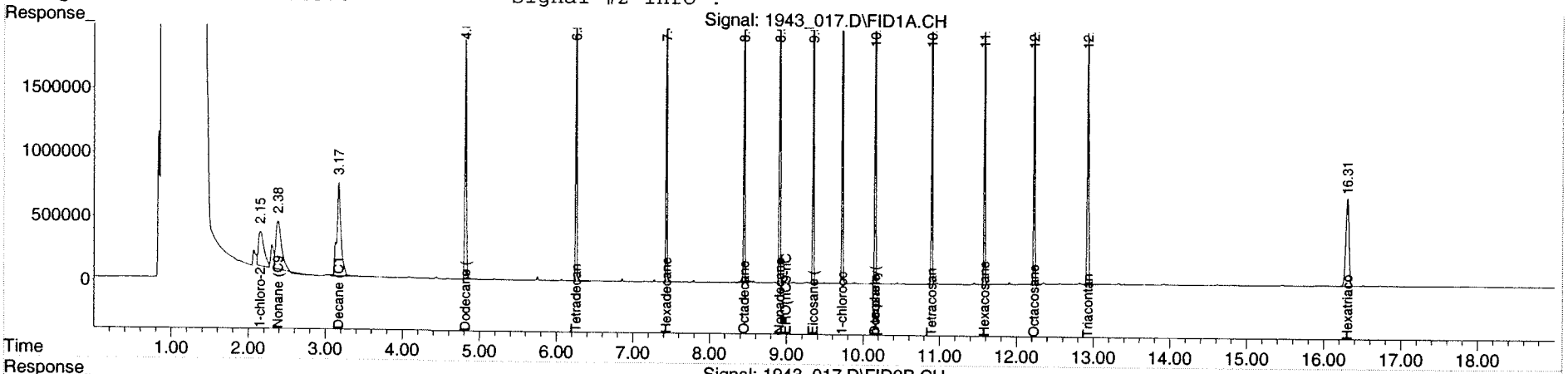
Quantitation Report (Not Reviewed)

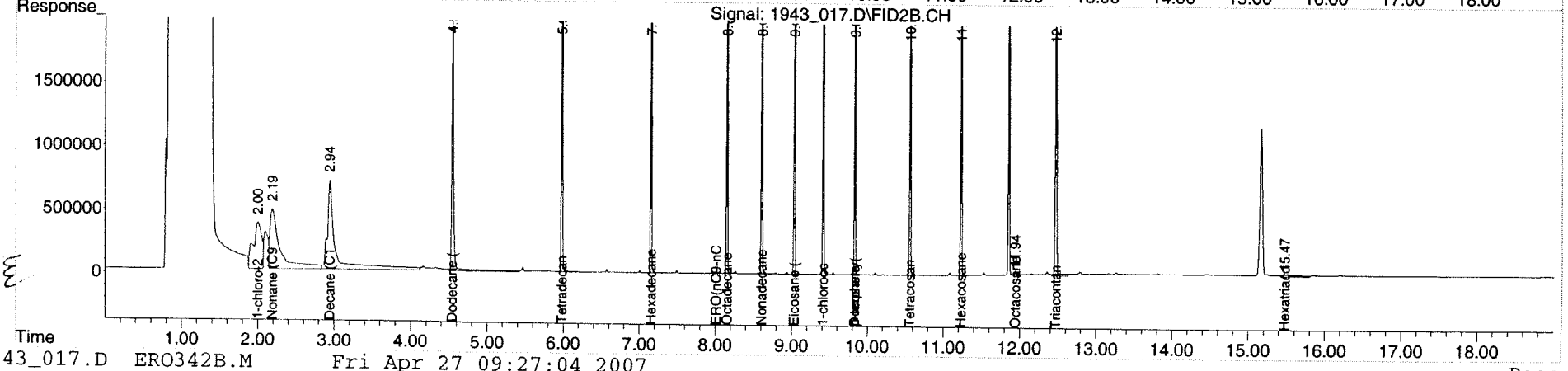
Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID1A.CH Vial: 17
Acq On : 27 Apr 2007 3:33 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_017.D\FID2B.CH Vial: 17
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-5 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:27 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID1A.CH Vial: 18
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID2B.CH Vial: 18
Acq On : 27 Apr 2007 4:23 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 09:27:06 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	19952554	24492380	26.775	11.415	#
	Spiked Amount 10.000			Recovery	=	267.75%	114.15%	
2)	S 1-chlorooctadeca	9.72	9.41	43734913	48610137	38.606	38.466	
	Spiked Amount 20.000			Recovery	=	193.03%	192.33%	
3)	S p-terphenyl	10.16	9.83	49086307	53632755	25.299	25.214	
	Spiked Amount 10.000			Recovery	=	252.99%	252.14%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	569.3E6	629.5E6	207.628	198.900	
5)	M Nonane (C9)	2.38	2.19	32973707	54644834	22.518	6.787	#
6)	M Decane (C10)	3.17	2.94	46957165	64543750	14.327	7.155	#
7)	M Dodecane (C12)	4.81	4.54	45668991	51685651	16.657	13.716	
8)	M Tetradecane (C14	6.25	5.98	46734610	51807660	16.372	16.175	
9)	M Hexadecane (C16)	7.44	7.15	47468217	52249459	16.381	16.412	
10)	M Octadecane (C18)	8.45	8.15	49144759	53351376	16.214	16.294	
11)	M Nonadecane (C19)	8.91	8.61	48534654	53325521	16.301	16.346	
12)	M Eicosane (C20)	9.34	9.04	48687808	53414351	16.372	16.397	
13)	M Docosane (C22)	10.16	9.83	49086307	53632755	16.310	16.103	
14)	M Tetracosane (C24	10.90	10.56	48538727	53187808	16.182	16.099	
15)	M Hexacosane (C26)	11.58	11.23	48134500	53498766	16.430	16.497	
16)	M Octacosane (C28)	12.23	11.94	47210379	726944	15.571	0.379	#
17)	M Triacontane (C30	12.93	12.47	44729718	54228507	16.174	15.840	
18)	M Hexatriacontane	16.31	15.47	34418046	1299185	15.391	1.622	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

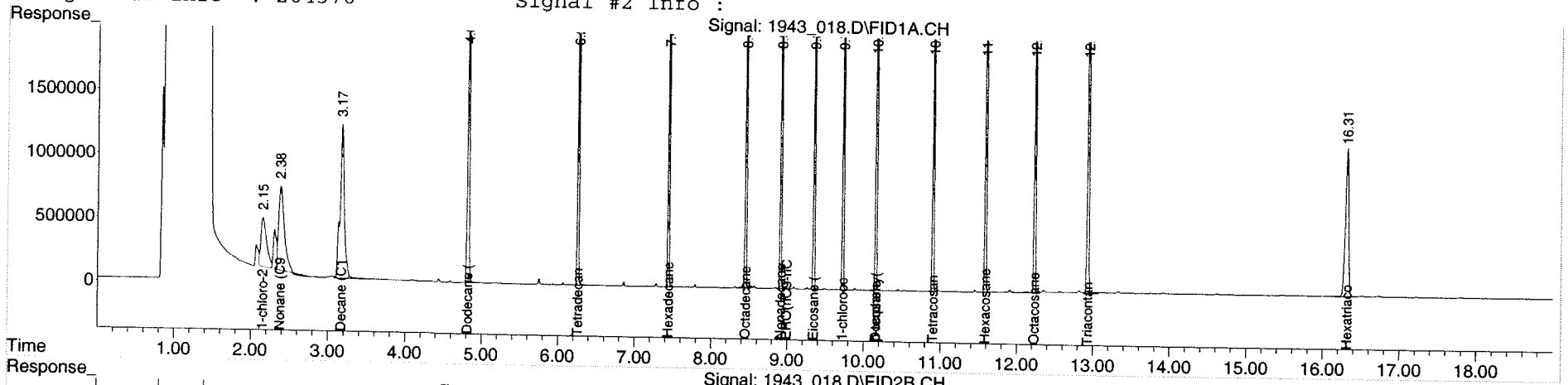
Quantitation Report (Not Reviewed)

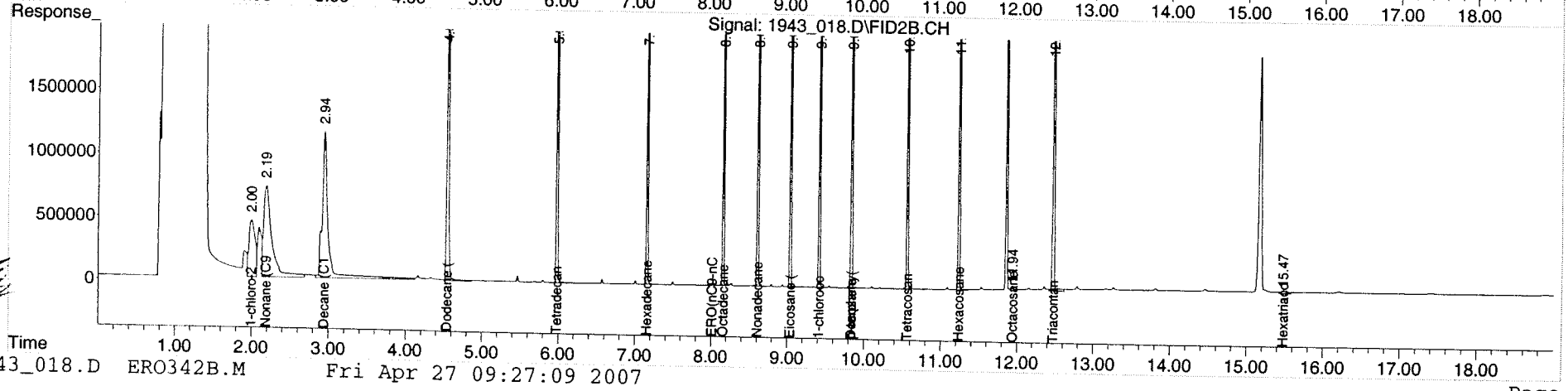
Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID1A.CH Vial: 18
Acq On : 27 Apr 2007 3:58 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1943\1943_018.D\FID2B.CH Vial: 18
Acq On : 27 Apr 2007 4:23 am Operator: HP Demo
Sample : B534 ERO L-6 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: Apr 27 9:27 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Response Factor Report Instrumen

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007

Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	3.867	6.272	6.937	8.481	9.178	9.976	7.452	E5	29.96
2)	S	1-chlorooctadeca	1.269	1.254	1.071	1.051	1.058	1.093	1.133	E6	8.91
3)	S	p-terphenyl	0.262	0.594	1.013	1.927	2.937	4.909	1.940	E6	90.14
4)	H,T	ERO(nC9-nC36)	3.251	3.344	2.752	2.487	2.347	2.272	2.742	E6	16.82
5)	M	Nonane (C9)	0.845	1.488	1.299	1.564	1.747	1.842	1.464	E6	24.50
6)	M	Decane (C10)	5.168	3.713	2.871	2.632	2.657	2.623	3.277	E6	30.99
7)	M	Dodecane (C12)	3.296	3.011	2.566	2.490	2.536	2.551	2.742	E6	12.12
8)	M	Tetradecane (C14	3.524	3.159	2.655	2.576	2.602	2.611	2.855	E6	13.85
9)	M	Hexadecane (C16)	3.597	3.178	2.699	2.616	2.643	2.652	2.898	E6	13.90
10)	M	Octadecane (C18)	3.817	3.318	2.822	2.726	2.757	2.746	3.031	E6	14.71
11)	M	Nonadecane (C19)	3.713	3.268	2.777	2.685	2.709	2.711	2.977	E6	14.21
12)	M	Eicosane (C20)	3.676	3.266	2.776	2.690	2.716	2.720	2.974	E6	13.69
13)	M	Docosane (C22)	3.742	3.300	2.814	2.714	2.745	2.742	3.010	E6	14.00
14)	M	Tetracosane (C24	3.868	3.262	2.769	2.679	2.707	2.712	3.000	E6	15.97
15)	M	Hexacosane (C26)	3.517	3.236	2.767	2.682	2.686	2.689	2.930	E6	12.25
16)	M	Octacosane (C28)	3.745	3.615	2.915	2.702	2.579	2.637	3.032	E6	17.02
17)	M	Triacontane (C30	3.329	3.119	2.672	2.521	2.453	2.499	2.766	E6	13.32
18)	M	Hexatriacontane	2.523	2.888	2.240	1.990	1.854	1.923	2.236	E6	18.02

Signal #2 Calibration Files
L-1 =1943_013.D L-2 =1943_014.D L-3 =1943_015.D
L-4 =1943_016.D L-5 =1943_017.D L-6 =1943_018.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD
1)	S	1-chloro-2-flour	4.001	2.719	1.729	1.311	1.889	1.225	2.146	E6	49.13
2)	S	1-chlorooctadeca	1.427	1.366	1.203	1.177	1.194	1.215	1.264	E6	8.32
3)	S	p-terphenyl	0.305	0.639	1.109	2.112	3.235	5.363	2.127	E6	89.87
4)	H,T	ERO(nC9-nC36)	3.842	3.885	3.293	2.774	2.684	2.512	3.165	E6	18.97
5)	M	Nonane (C9)	2.093	0.982	0.616	0.418	0.416	0.305	0.805	E7	83.83
6)	M	Decane (C10)	2.287	1.090	0.709	0.471	0.496	0.361	0.902	E7	80.46
7)	M	Dodecane (C12)	5.301	4.578	3.540	3.031	3.272	2.887	3.768	E6	25.53
8)	M	Tetradecane (C14	3.946	3.507	2.995	2.881	2.994	2.894	3.203	E6	13.47
9)	M	Hexadecane (C16)	3.909	3.443	2.982	2.900	2.949	2.919	3.184	E6	12.87
10)	M	Octadecane (C18)	4.060	3.529	3.104	2.971	3.002	2.981	3.274	E6	13.41
11)	M	Nonadecane (C19)	4.051	3.513	3.057	2.965	3.009	2.979	3.262	E6	13.43
12)	M	Eicosane (C20)	4.011	3.513	3.058	2.964	3.017	2.984	3.258	E6	12.96
13)	M	Docosane (C22)	4.360	3.550	3.080	2.974	3.023	2.996	3.331	E6	16.46
14)	M	Tetracosane (C24	4.287	3.504	3.063	2.983	3.014	2.971	3.304	E6	15.80
15)	M	Hexacosane (C26)	3.918	3.504	3.050	2.995	3.003	2.989	3.243	E6	11.90
16)	M	Octacosane (C28)	3.935	4.064	3.298	0.109	0.074	0.041	1.920	E6	106.15
17)	M	Triacontane (C30	4.038	3.952	3.265	3.136	3.119	3.030	3.424	E6	13.15
18)	M	Hexatriacontane	3.228	0.562	0.313	0.382	0.248	0.073	0.801	E6	149.81

(#) = Out of Range

ERO342B.M Thu May 03 12:06:31 2007

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_006.D\FID1A.CH Vial: 6
Acq On : 09 May 2007 4:04 pm Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_006.D\FID2B.CH Vial: 6
Acq On : 09 May 2007 4:30 pm Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	933.400	E3	-25.3#	110	0.00
2	S	1-chlorooctadecane	1.133	1.071	E6	5.5	102	0.00
3	S	p-terphenyl	1940.275	1877.666	E3	3.2	97	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.394	E6	12.7	96	0.00
5	M	Nonane (C9)	1464.350	1800.785	E3	-23.0#	115	0.00
6	M	Decane (C10)	3.277	2.744	E6	16.3#	104	0.00
7	M	Dodecane (C12)	2.742	2.469	E6	10.0	99	0.00
8	M	Tetradecane (C14)	2.855	2.530	E6	11.4	98	0.00
9	M	Hexadecane (C16)	2.898	2.560	E6	11.7	98	0.00
10	M	Octadecane (C18)	3.031	2.613	E6	13.8	96	0.00
11	M	Nonadecane (C19)	2.977	2.616	E6	12.1	97	0.00
12	M	Eicosane (C20)	2.974	2.624	E6	11.8	98	0.00
13	M	Docosane (C22)	3.010	2.645	E6	12.1	97	0.00
14	M	Tetracosane (C24)	3.000	2.640	E6	12.0	99	0.00
15	M	Hexacosane (C26)	2.930	2.708	E6	7.6	101	0.00
16	M	Octacosane (C28)	3.032	2.683	E6	11.5	99	0.00
17	M	Triacontane (C30)	2.766	2.485	E6	10.2	99	-0.01
18	M	Hexatriacontane (C36)	2.236	1.994	E6	10.8	100	-0.03

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	3.297	E6	-53.6#	251#	0.00
2	S	1-chlorooctadecane	1.264	1.226	E6	3.0	104	-0.02
3	S	p-terphenyl	2127.112	2156.056	E3	-1.4	102	-0.02
4	H,T	ERO(nC9-nC36)	3.165	2.646	E6	16.4#	95	0.00
5	M	Nonane (C9)	8.051	8.034	E6	0.2	192#	0.00
6	M	Decane (C10)	9.021	7.320	E6	18.9#	156#	0.00
7	M	Dodecane (C12)	3.768	3.349	E6	11.1	110	-0.01
8	M	Tetradecane (C14)	3.203	3.176	E6	0.8	110	-0.02
9	M	Hexadecane (C16)	3.184	2.999	E6	5.8	103	-0.02
10	M	Octadecane (C18)	3.274	3.034	E6	7.3	102	-0.02
11	M	Nonadecane (C19)	3.262	3.022	E6	7.4	102	-0.02
12	M	Eicosane (C20)	3.258	3.022	E6	7.2	102	-0.02
13	M	Docosane (C22)	3.331	3.037	E6	8.8	102	-0.02
14	M	Tetracosane (C24)	3.304	3.035	E6	8.1	102	-0.02
15	M	Hexacosane (C26)	3.243	3.015	E6	7.0	101	-0.03
16	M	Octacosane (C28)	1.920	3.016	E6	-57.1#	2755#	-0.12
17	M	Triacontane (C30)	3.424	2.870	E6	16.2#	92	-0.03
18	M	Hexatriacontane (C36)	0.801	0.162	E6	79.8#	43#	0.04

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_026.D\FID1A.CH Vial: 26
Acq On : 10 May 2007 12:33 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_026.D\FID2B.CH Vial: 26
Acq On : 10 May 2007 12:58 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	1494.714 E3	-100.6#	176#	0.00
2	S	1-chlorooctadecane	1.133	1.095 E6	3.4	104	0.00
3	S	p-terphenyl	1940.275	1956.429 E3	-0.8	102	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.665 E6	2.8	107	0.00
5	M	Nonane (C9)	1464.350	3030.046 E3	-106.9#	194#	0.00
6	M	Decane (C10)	3.277	3.750 E6	-14.4	142	0.00
7	M	Dodecane (C12)	2.742	2.607 E6	4.9	105	0.00
8	M	Tetradecane (C14)	2.855	2.602 E6	8.9	101	0.00
9	M	Hexadecane (C16)	2.898	2.629 E6	9.3	100	0.00
10	M	Octadecane (C18)	3.031	2.677 E6	11.7	98	0.00
11	M	Nonadecane (C19)	2.977	2.686 E6	9.8	100	0.00
12	M	Eicosane (C20)	2.974	2.683 E6	9.8	100	0.00
13	M	Docosane (C22)	3.010	2.756 E6	8.4	102	0.00
14	M	Tetracosane (C24)	3.000	2.801 E6	6.6	105	0.00
15	M	Hexacosane (C26)	2.930	2.744 E6	6.3	102	0.00
16	M	Octacosane (C28)	3.032	2.801 E6	7.6	104	0.00
17	M	Triacontane (C30)	2.766	2.516 E6	9.0	100	-0.01
18	M	Hexatriacontane (C36)	2.236	2.213 E6	1.0	111	-0.04

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.596 E6	25.6#	122	0.00
2	S	1-chlorooctadecane	1.264	1.214 E6	4.0	103	-0.02
3	S	p-terphenyl	2127.112	2197.311 E3	-3.3	104	-0.02
4	H,T	ERO(nC9-nC36)	3.165	3.063 E6	3.2	110	0.00
5	M	Nonane (C9)	8.051	4.903 E6	39.1#	117	0.00
6	M	Decane (C10)	9.021	4.863 E6	46.1#	103	-0.01
7	M	Dodecane (C12)	3.768	3.011 E6	20.1#	99	-0.02
8	M	Tetradecane (C14)	3.203	2.903 E6	9.4	101	-0.02
9	M	Hexadecane (C16)	3.184	2.921 E6	8.3	101	-0.02
10	M	Octadecane (C18)	3.274	2.970 E6	9.3	100	-0.02
11	M	Nonadecane (C19)	3.262	2.964 E6	9.1	100	-0.02
12	M	Eicosane (C20)	3.258	2.979 E6	8.6	101	-0.02
13	M	Docosane (C22)	3.331	3.095 E6	7.1	104	-0.02
14	M	Tetracosane (C24)	3.304	3.107 E6	6.0	104	-0.02
15	M	Hexacosane (C26)	3.243	3.036 E6	6.4	101	-0.03
16	M	Octacosane (C28)	1.920	0.156 E6	91.9#	142	-0.03
17	M	Triacontane (C30)	3.424	2.988 E6	12.7	95	-0.03
18	M	Hexatriacontane (C36)	0.801	0.311 E6	61.2#	81	-0.08

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_041.D\FID1A.CH Vial: 41
Acq On : 10 May 2007 6:54 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_041.D\FID2B.CH Vial: 41
Acq On : 10 May 2007 7:19 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	994.280	E3	-33.4#	117	0.00
2	S	1-chlorooctadecane	1.133	1.119	E6	1.2	107	0.00
3	S	p-terphenyl	1940.275	1986.382	E3	-2.4	103	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.758	E6	-0.6	111	0.00
5	M	Nonane (C9)	1464.350	1911.099	E3	-30.5#	122	0.00
6	M	Decane (C10)	3.277	2.779	E6	15.2#	106	0.00
7	M	Dodecane (C12)	2.742	2.599	E6	5.2	104	0.00
8	M	Tetradecane (C14)	2.855	2.657	E6	6.9	103	0.00
9	M	Hexadecane (C16)	2.898	2.692	E6	7.1	103	0.00
10	M	Octadecane (C18)	3.031	2.734	E6	9.8	100	0.00
11	M	Nonadecane (C19)	2.977	2.727	E6	8.4	102	0.00
12	M	Eicosane (C20)	2.974	2.740	E6	7.9	102	0.00
13	M	Docosane (C22)	3.010	2.798	E6	7.0	103	0.00
14	M	Tetracosane (C24)	3.000	2.801	E6	6.6	105	0.00
15	M	Hexacosane (C26)	2.930	2.875	E6	1.9	107	0.00
16	M	Octacosane (C28)	3.032	2.743	E6	9.5	102	0.00
17	M	Triacontane (C30)	2.766	2.587	E6	6.5	103	-0.01
18	M	Hexatriacontane (C36)	2.236	2.167	E6	3.1	109	-0.03

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.662	E6	22.6#	127	0.00
2	S	1-chlorooctadecane	1.264	1.263	E6	0.1	107	-0.02
3	S	p-terphenyl	2127.112	2251.179	E3	-5.8	107	-0.02
4	H,T	ERO(nC9-nC36)	3.165	3.035	E6	4.1	109	0.00
5	M	Nonane (C9)	8.051	5.296	E6	34.2#	127	0.00
6	M	Decane (C10)	9.021	5.046	E6	44.1#	107	0.00
7	M	Dodecane (C12)	3.768	3.141	E6	16.6#	104	-0.02
8	M	Tetradecane (C14)	3.203	3.029	E6	5.4	105	-0.02
9	M	Hexadecane (C16)	3.184	3.036	E6	4.6	105	-0.02
10	M	Octadecane (C18)	3.274	3.082	E6	5.9	104	-0.02
11	M	Nonadecane (C19)	3.262	3.077	E6	5.7	104	-0.02
12	M	Eicosane (C20)	3.258	3.099	E6	4.9	105	-0.02
13	M	Docosane (C22)	3.331	3.171	E6	4.8	107	-0.02
14	M	Tetracosane (C24)	3.304	3.158	E6	4.4	106	-0.03
15	M	Hexacosane (C26)	3.243	3.159	E6	2.6	105	-0.03
16	M	Octacosane (C28)	1.920	0.158	E6	91.8#	144	-0.03
17	M	Triacontane (C30)	3.424	3.156	E6	7.8	101	-0.03
18	M	Hexatriacontane (C36)	0.801	0.358	E6	55.3#	94	-0.08

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_042.D\FID1A.CH Vial: 42
Acq On : 10 May 2007 7:19 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_042.D\FID2B.CH Vial: 42
Acq On : 10 May 2007 7:45 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	927.536	E3	-24.5#	109	0.00
2	S	1-chlorooctadecane	1.133	1.131	E6	0.2	108	0.00
3	S	p-terphenyl	1940.275	1992.689	E3	-2.7	103	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.654	E6	3.2	107	0.00
5	M	Nonane (C9)	1464.350	1438.915	E3	1.7	92	0.00
6	M	Decane (C10)	3.277	2.894	E6	11.7	110	0.00
7	M	Dodecane (C12)	2.742	2.624	E6	4.3	105	0.00
8	M	Tetradecane (C14)	2.855	2.689	E6	5.8	104	0.00
9	M	Hexadecane (C16)	2.898	2.720	E6	6.1	104	0.00
10	M	Octadecane (C18)	3.031	2.765	E6	8.8	101	0.00
11	M	Nonadecane (C19)	2.977	2.765	E6	7.1	103	0.00
12	M	Eicosane (C20)	2.974	2.771	E6	6.8	103	0.00
13	M	Docosane (C22)	3.010	2.807	E6	6.7	103	0.00
14	M	Tetracosane (C24)	3.000	2.790	E6	7.0	104	0.00
15	M	Hexacosane (C26)	2.930	2.800	E6	4.4	104	0.00
16	M	Octacosane (C28)	3.032	2.718	E6	10.4	101	0.00
17	M	Triacontane (C30)	2.766	2.576	E6	6.9	102	-0.01
18	M	Hexatriacontane (C36)	2.236	2.107	E6	5.8	106	-0.03

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.730	E6	19.4#	132	0.00
2	S	1-chlorooctadecane	1.264	1.269	E6	-0.4	108	-0.02
3	S	p-terphenyl	2127.112	2247.902	E3	-5.7	106	-0.02
4	H,T	ERO(nC9-nC36)	3.165	2.939	E6	7.1	106	0.00
5	M	Nonane (C9)	8.051	5.263	E6	34.6#	126	0.00
6	M	Decane (C10)	9.021	5.041	E6	44.1#	107	0.00
7	M	Dodecane (C12)	3.768	3.178	E6	15.7#	105	-0.02
8	M	Tetradecane (C14)	3.203	3.051	E6	4.7	106	-0.02
9	M	Hexadecane (C16)	3.184	3.054	E6	4.1	105	-0.02
10	M	Octadecane (C18)	3.274	3.106	E6	5.1	105	-0.02
11	M	Nonadecane (C19)	3.262	3.112	E6	4.6	105	-0.02
12	M	Eicosane (C20)	3.258	3.113	E6	4.5	105	-0.02
13	M	Docosane (C22)	3.331	3.166	E6	5.0	106	-0.02
14	M	Tetracosane (C24)	3.304	3.181	E6	3.7	107	-0.03
15	M	Hexacosane (C26)	3.243	3.170	E6	2.3	106	-0.03
16	M	Octacosane (C28)	1.920	0.123	E6	93.6#	112	-0.03
17	M	Triacontane (C30)	3.424	3.111	E6	9.1	99	-0.03
18	M	Hexatriacontane (C36)	0.801	0.586	E6	26.8#	153#	-0.08

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_047.D\FID1A.CH Vial: 47
Acq On : 10 May 2007 4:02 pm Operator: HP Demo
Sample : B634 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_047.D\FID2B.CH Vial: 47
Acq On : 10 May 2007 4:27 pm Operator: HP Demo
Sample : B634 ERO L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	928.007	E3	-24.5#	109	0.00
2	S	1-chlorooctadecane	1.133	1.079	E6	4.8	103	0.00
3	S	p-terphenyl	1940.275	1897.422	E3	2.2	98	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.479	E6	9.6	100	0.00
5	M	Nonane (C9)	1464.350	1790.429	E3	-22.3#	114	0.00
6	M	Decane (C10)	3.277	2.735	E6	16.5#	104	0.00
7	M	Dodecane (C12)	2.742	2.514	E6	8.3	101	0.00
8	M	Tetradecane (C14)	2.855	2.569	E6	10.0	100	0.00
9	M	Hexadecane (C16)	2.898	2.611	E6	9.9	100	0.00
10	M	Octadecane (C18)	3.031	2.655	E6	12.4	97	0.00
11	M	Nonadecane (C19)	2.977	2.653	E6	10.9	99	0.00
12	M	Eicosane (C20)	2.974	2.659	E6	10.6	99	0.00
13	M	Docosane (C22)	3.010	2.672	E6	11.2	98	0.00
14	M	Tetracosane (C24)	3.000	2.646	E6	11.8	99	0.00
15	M	Hexacosane (C26)	2.930	2.653	E6	9.5	99	0.00
16	M	Octacosane (C28)	3.032	2.579	E6	14.9	95	0.00
17	M	Triacontane (C30)	2.766	2.500	E6	9.6	99	-0.01
18	M	Hexatriacontane (C36)	2.236	1.929	E6	13.7	97	-0.03

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.630	E6	24.0#	124	0.00
2	S	1-chlorooctadecane	1.264	1.216	E6	3.8	103	-0.02
3	S	p-terphenyl	2127.112	2144.331	E3	-0.8	102	-0.02
4	H,T	ERO(nC9-nC36)	3.165	2.710	E6	14.4	98	0.00
5	M	Nonane (C9)	8.051	5.089	E6	36.8#	122	0.00
6	M	Decane (C10)	9.021	4.909	E6	45.6#	104	0.00
7	M	Dodecane (C12)	3.768	3.069	E6	18.6#	101	-0.02
8	M	Tetradecane (C14)	3.203	2.958	E6	7.6	103	-0.02
9	M	Hexadecane (C16)	3.184	2.957	E6	7.1	102	-0.02
10	M	Octadecane (C18)	3.274	2.997	E6	8.5	101	-0.02
11	M	Nonadecane (C19)	3.262	2.989	E6	8.4	101	-0.02
12	M	Eicosane (C20)	3.258	2.998	E6	8.0	101	-0.02
13	M	Docosane (C22)	3.331	3.020	E6	9.3	102	-0.02
14	M	Tetracosane (C24)	3.304	2.990	E6	9.5	100	-0.03
15	M	Hexacosane (C26)	3.243	2.997	E6	7.6	100	-0.03
16	M	Octacosane (C28)	1.920	2.949	E6	-53.6#	2693#	-0.12
17	M	Triacontane (C30)	3.424	2.882	E6	15.8#	92	-0.03
18	M	Hexatriacontane (C36)	0.801	0.147	E6	81.6#	38#	0.04

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_068.D\FID1A.CH Vial: 68
Acq On : 11 May 2007 12:57 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_068.D\FID2B.CH Vial: 68
Acq On : 11 May 2007 1:23 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	960.327	E3	-28.9#	113	0.00
2	S	1-chlorooctadecane	1.133	1.098	E6	3.1	104	0.00
3	S	p-terphenyl	1940.275	1939.658	E3	0.0	101	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.591	E6	5.5	104	0.00
5	M	Nonane (C9)	1464.350	1847.346	E3	-26.2#	118	0.00
6	M	Decane (C10)	3.277	2.774	E6	15.3#	105	0.00
7	M	Dodecane (C12)	2.742	2.567	E6	6.4	103	0.00
8	M	Tetradecane (C14)	2.855	2.630	E6	7.9	102	0.00
9	M	Hexadecane (C16)	2.898	2.664	E6	8.1	102	0.00
10	M	Octadecane (C18)	3.031	2.716	E6	10.4	100	0.00
11	M	Nonadecane (C19)	2.977	2.710	E6	9.0	101	0.00
12	M	Eicosane (C20)	2.974	2.715	E6	8.7	101	0.00
13	M	Docosane (C22)	3.010	2.732	E6	9.2	101	0.00
14	M	Tetracosane (C24)	3.000	2.697	E6	10.1	101	0.00
15	M	Hexacosane (C26)	2.930	2.673	E6	8.8	100	0.00
16	M	Octacosane (C28)	3.032	2.596	E6	14.4	96	0.00
17	M	Triacontane (C30)	2.766	2.401	E6	13.2	95	-0.01
18	M	Hexatriacontane (C36)	2.236	1.932	E6	13.6	97	-0.03

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.626	E6	24.2#	124	0.00
2	S	1-chlorooctadecane	1.264	1.243	E6	1.7	106	-0.02
3	S	p-terphenyl	2127.112	2200.017	E3	-3.4	104	-0.03
4	H,T	ERO(nC9-nC36)	3.165	2.830	E6	10.6	102	0.00
5	M	Nonane (C9)	8.051	5.178	E6	35.7#	124	0.00
6	M	Decane (C10)	9.021	4.978	E6	44.8#	106	-0.01
7	M	Dodecane (C12)	3.768	3.121	E6	17.2#	103	-0.02
8	M	Tetradecane (C14)	3.203	3.037	E6	5.2	105	-0.02
9	M	Hexadecane (C16)	3.184	3.027	E6	4.9	104	-0.02
10	M	Octadecane (C18)	3.274	3.073	E6	6.1	103	-0.02
11	M	Nonadecane (C19)	3.262	3.060	E6	6.2	103	-0.02
12	M	Eicosane (C20)	3.258	3.073	E6	5.7	104	-0.02
13	M	Docosane (C22)	3.331	3.099	E6	7.0	104	-0.03
14	M	Tetracosane (C24)	3.304	3.097	E6	6.3	104	-0.03
15	M	Hexacosane (C26)	3.243	3.060	E6	5.6	102	-0.03
16	M	Octacosane (C28)	1.920	0.120	E6	93.7#	109	-0.03
17	M	Triacontane (C30)	3.424	2.884	E6	15.8#	92	-0.04
18	M	Hexatriacontane (C36)	0.801	0.276	E6	65.5#	72	-0.08

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_078.D\FID1A.CH Vial: 78
Acq On : 11 May 2007 5:11 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_078.D\FID2B.CH Vial: 78
Acq On : 11 May 2007 5:36 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	962.292	E3	-29.1#	113	0.00
2	S	1-chlorooctadecane	1.133	1.111	E6	1.9	106	0.00
3	S	p-terphenyl	1940.275	1950.825	E3	-0.5	101	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.560	E6	6.6	103	0.00
5	M	Nonane (C9)	1464.350	1675.684	E3	-14.4	107	0.00
6	M	Decane (C10)	3.277	2.808	E6	14.3	107	0.00
7	M	Dodecane (C12)	2.742	2.591	E6	5.5	104	0.00
8	M	Tetradecane (C14)	2.855	2.654	E6	7.0	103	0.00
9	M	Hexadecane (C16)	2.898	2.683	E6	7.4	103	0.00
10	M	Octadecane (C18)	3.031	2.729	E6	10.0	100	0.00
11	M	Nonadecane (C19)	2.977	2.726	E6	8.4	102	0.00
12	M	Eicosane (C20)	2.974	2.732	E6	8.1	102	0.00
13	M	Docosane (C22)	3.010	2.748	E6	8.7	101	0.00
14	M	Tetracosane (C24)	3.000	2.719	E6	9.4	101	0.00
15	M	Hexacosane (C26)	2.930	2.718	E6	7.2	101	0.00
16	M	Octacosane (C28)	3.032	2.638	E6	13.0	98	0.00
17	M	Triacontane (C30)	2.766	2.646	E6	4.3	105	-0.01
18	M	Hexatriacontane (C36)	2.236	1.841	E6	17.7#	93	-0.03

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.668	E6	22.3#	127	0.00
2	S	1-chlorooctadecane	1.264	1.241	E6	1.8	105	-0.02
3	S	p-terphenyl	2127.112	2186.440	E3	-2.8	104	-0.03
4	H,T	ERO(nC9-nC36)	3.165	2.797	E6	11.6	101	0.00
5	M	Nonane (C9)	8.051	5.217	E6	35.2#	125	0.00
6	M	Decane (C10)	9.021	4.995	E6	44.6#	106	-0.01
7	M	Dodecane (C12)	3.768	3.116	E6	17.3#	103	-0.02
8	M	Tetradecane (C14)	3.203	3.034	E6	5.3	105	-0.02
9	M	Hexadecane (C16)	3.184	3.015	E6	5.3	104	-0.02
10	M	Octadecane (C18)	3.274	3.060	E6	6.5	103	-0.02
11	M	Nonadecane (C19)	3.262	3.050	E6	6.5	103	-0.02
12	M	Eicosane (C20)	3.258	3.058	E6	6.1	103	-0.02
13	M	Docosane (C22)	3.331	3.079	E6	7.6	104	-0.03
14	M	Tetracosane (C24)	3.304	3.071	E6	7.1	103	-0.03
15	M	Hexacosane (C26)	3.243	3.058	E6	5.7	102	-0.03
16	M	Octacosane (C28)	1.920	0.111	E6	94.2#	102	-0.03
17	M	Triacontane (C30)	3.424	2.926	E6	14.5	93	-0.04
18	M	Hexatriacontane (C36)	0.801	0.391	E6	51.2#	102	-0.09

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_080.D\FID1A.CH Vial: 80
Acq On : 11 May 2007 6:01 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_080.D\FID2B.CH Vial: 80
Acq On : 11 May 2007 6:26 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	945.018	E3	-26.8#	111	0.00
2	S	1-chlorooctadecane	1.133	1.083	E6	4.4	103	0.00
3	S	p-terphenyl	1940.275	1902.928	E3	1.9	99	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.500	E6	8.8	101	0.00
5	M	Nonane (C9)	1464.350	1579.858	E3	-7.9	101	0.00
6	M	Decane (C10)	3.277	2.742	E6	16.3#	104	0.00
7	M	Dodecane (C12)	2.742	2.522	E6	8.0	101	0.00
8	M	Tetradecane (C14)	2.855	2.583	E6	9.5	100	0.00
9	M	Hexadecane (C16)	2.898	2.616	E6	9.7	100	0.00
10	M	Octadecane (C18)	3.031	2.663	E6	12.1	98	0.00
11	M	Nonadecane (C19)	2.977	2.660	E6	10.6	99	0.00
12	M	Eicosane (C20)	2.974	2.666	E6	10.4	99	0.00
13	M	Docosane (C22)	3.010	2.680	E6	11.0	99	0.00
14	M	Tetracosane (C24)	3.000	2.662	E6	11.3	99	0.00
15	M	Hexacosane (C26)	2.930	2.645	E6	9.7	99	0.00
16	M	Octacosane (C28)	3.032	2.705	E6	10.8	100	0.00
17	M	Triacontane (C30)	2.766	2.514	E6	9.1	100	-0.01
18	M	Hexatriacontane (C36)	2.236	1.793	E6	19.8#	90	-0.03

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.667	E6	22.3#	127	0.00
2	S	1-chlorooctadecane	1.264	1.239	E6	2.0	105	-0.02
3	S	p-terphenyl	2127.112	2192.435	E3	-3.1	104	-0.03
4	H,T	ERO(nC9-nC36)	3.165	2.866	E6	9.4	103	0.00
5	M	Nonane (C9)	8.051	5.255	E6	34.7#	126	0.00
6	M	Decane (C10)	9.021	5.031	E6	44.2#	107	-0.01
7	M	Dodecane (C12)	3.768	3.117	E6	17.3#	103	-0.02
8	M	Tetradecane (C14)	3.203	3.006	E6	6.2	104	-0.02
9	M	Hexadecane (C16)	3.184	3.011	E6	5.4	104	-0.02
10	M	Octadecane (C18)	3.274	3.057	E6	6.6	103	-0.02
11	M	Nonadecane (C19)	3.262	3.058	E6	6.3	103	-0.02
12	M	Eicosane (C20)	3.258	3.056	E6	6.2	103	-0.02
13	M	Docosane (C22)	3.331	3.088	E6	7.3	104	-0.03
14	M	Tetracosane (C24)	3.304	3.058	E6	7.4	103	-0.03
15	M	Hexacosane (C26)	3.243	3.029	E6	6.6	101	-0.03
16	M	Octacosane (C28)	1.920	0.115	E6	94.0#	105	-0.03
17	M	Triacontane (C30)	3.424	2.904	E6	15.2#	93	-0.04
18	M	Hexatriacontane (C36)	0.801	0.143	E6	82.1#	37#	-0.09

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\1965\1965_091.D\FID1A.CH Vial: 91
Acq On : 11 May 2007 11:51 am Operator: HP Demo
Sample : ERO B634 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_091.D\FID2B.CH Vial: 91
Acq On : 11 May 2007 12:17 pm Operator: HP Demo
Sample : ERO B634 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e

Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	S	1-chloro-2-flourobenzene	745.189	967.911 E3	-29.9#	114	0.00
2	S	1-chlorooctadecane	1.133	1.133 E6	0.0	108	0.00
3	S	p-terphenyl	1940.275	2021.240 E3	-4.2	105	0.00
4	H,T	ERO(nC9-nC36)	2.742	2.474 E6	9.8	99	0.00
5	M	Nonane (C9)	1464.350	1616.001 E3	-10.4	103	0.00
6	M	Decane (C10)	3.277	2.891 E6	11.8	110	0.00
7	M	Dodecane (C12)	2.742	2.651 E6	3.3	106	0.00
8	M	Tetradecane (C14)	2.855	2.712 E6	5.0	105	0.00
9	M	Hexadecane (C16)	2.898	2.744 E6	5.3	105	0.00
10	M	Octadecane (C18)	3.031	2.797 E6	7.7	103	0.00
11	M	Nonadecane (C19)	2.977	2.790 E6	6.3	104	0.00
12	M	Eicosane (C20)	2.974	2.795 E6	6.0	104	0.00
13	M	Docosane (C22)	3.010	2.847 E6	5.4	105	0.00
14	M	Tetracosane (C24)	3.000	2.806 E6	6.5	105	0.00
15	M	Hexacosane (C26)	2.930	2.737 E6	6.6	102	0.00
16	M	Octacosane (C28)	3.032	2.610 E6	13.9	97	-0.01
17	M	Triacontane (C30)	2.766	2.509 E6	9.3	100	-0.01
18	M	Hexatriacontane (C36)	2.236	1.786 E6	20.1#	90	-0.04

Signal #2

1	S	1-chloro-2-flourobenzene	2.146	1.657 E6	22.8#	126	0.00
2	S	1-chlorooctadecane	1.264	1.269 E6	-0.4	108	-0.03
3	S	p-terphenyl	2127.112	2281.335 E3	-7.3	108	-0.03
4	H,T	ERO(nC9-nC36)	3.165	2.686 E6	15.1#	97	0.00
5	M	Nonane (C9)	8.051	5.128 E6	36.3#	123	0.00
6	M	Decane (C10)	9.021	5.034 E6	44.2#	107	-0.01
7	M	Dodecane (C12)	3.768	3.222 E6	14.5	106	-0.02
8	M	Tetradecane (C14)	3.203	3.113 E6	2.8	108	-0.02
9	M	Hexadecane (C16)	3.184	3.097 E6	2.7	107	-0.02
10	M	Octadecane (C18)	3.274	3.149 E6	3.8	106	-0.02
11	M	Nonadecane (C19)	3.262	3.136 E6	3.9	106	-0.02
12	M	Eicosane (C20)	3.258	3.142 E6	3.6	106	-0.02
13	M	Docosane (C22)	3.331	3.213 E6	3.5	108	-0.03
14	M	Tetracosane (C24)	3.304	3.171 E6	4.0	106	-0.03
15	M	Hexacosane (C26)	3.243	3.117 E6	3.9	104	-0.03
16	M	Octacosane (C28)	1.920	0.157 E6	91.8#	144	-0.03
17	M	Triacontane (C30)	3.424	2.915 E6	14.9	93	-0.04
18	M	Hexatriacontane (C36)	0.801	0.309 E6	61.4#	81	-0.09

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_001.D\FID1A.CH Vial: 1
Acq On : 09 May 2007 1:57 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_001.D\FID2B.CH Vial: 1
Acq On : 09 May 2007 2:22 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:01:59 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
System Monitoring Compounds							
1) S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2) S 1-chlorooctadeca	10.01f	0.00	352504	0	0.311	N.D.	#
Spiked Amount 20.000			Recovery	=	1.55%	0.00%	
3) S p-terphenyl	10.10	0.00	406008	0	0.209	N.D.	#
Spiked Amount 10.000			Recovery	=	2.09%	0.00%	
Target Compounds							
4) H,T ERO(nC9-nC36)	9.00	8.00	42248121	24729523	15.407	7.814	#
5) M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6) M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7) M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9) M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10) M Octadecane (C18)	8.25	0.00	633718	0	0.209	N.D.	#
11) M Nonadecane (C19)	9.17f	0.00	1654598	0	0.556	N.D.	#
12) M Eicosane (C20)	9.25	0.00	364258	0	0.122	N.D.	#
13) M Docosane (C22)	10.10	0.00	406008	0	0.135	N.D.	#
14) M Tetracosane (C24	10.85	0.00	628696	0	0.210	N.D.	#
15) M Hexacosane (C26)	11.65	0.00	535175	0	0.183	N.D.	#
16) M Octacosane (C28)	12.22	11.91	608777	850635	0.201	0.443	#
17) M Triacontane (C30	12.92	12.32	391479	3157239	0.142	0.922	#
18) M Hexatriacontane	16.19	15.48	4261875	1983453	1.906	2.476	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

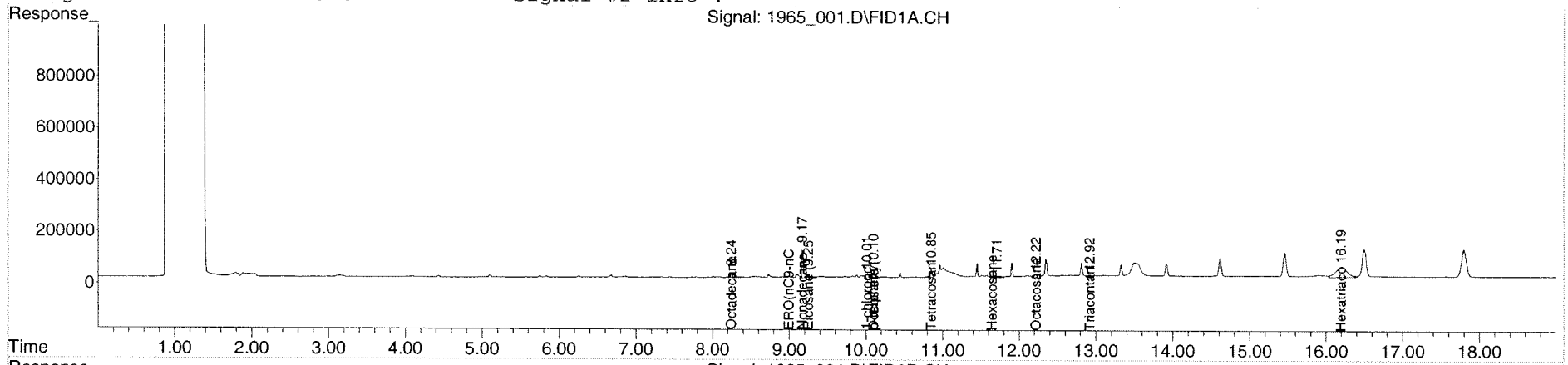
Quantitation Report (Not Reviewed)

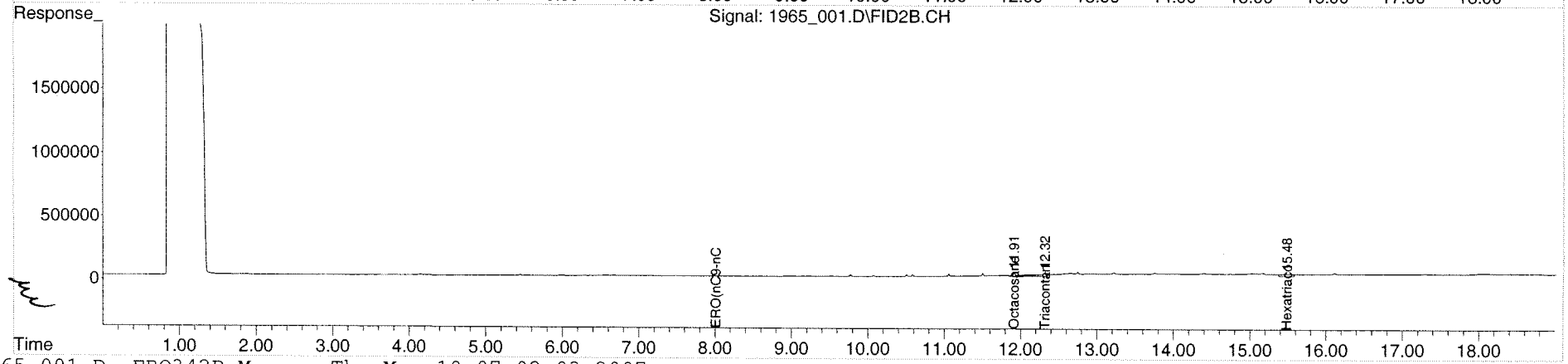
Data File : C:\MSDCHEM\1\DATA\1965\1965_001.D\FID1A.CH Vial: 1
Acq On : 09 May 2007 1:57 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_001.D\FID2B.CH Vial: 1
Acq On : 09 May 2007 2:22 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_002.D\FID1A.CH Vial: 2
Acq On : 09 May 2007 2:22 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_002.D\FID2B.CH Vial: 2
Acq On : 09 May 2007 2:48 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:05 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	21242085	34390525	28.506	16.028	#
	Spiked Amount 10.000			Recovery	=	285.06%	160.28%	
2)	S 1-chlorooctadeca	9.72	9.39	46127020	51950597	40.718	41.110	
	Spiked Amount 20.000			Recovery	=	203.59%	205.55%	
3)	S p-terphenyl	10.15	9.81	50572137	57295116	26.064	26.936	
	Spiked Amount 10.000			Recovery	=	260.64%	269.36%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	604.1E6	686.0E6	220.318	216.760	
5)	M Nonane (C9)	2.38	2.18	36669107	89216393	25.041	11.082	#
6)	M Decane (C10)	3.17	2.93	48711421	90770919	14.863	10.062	#
7)	M Dodecane (C12)	4.81	4.53	47096977	58241314	17.178	15.456	
8)	M Tetradecane (C14	6.25	5.96	48112479	56164171	16.855	17.536	
9)	M Hexadecane (C16)	7.43	7.14	48909820	55706789	16.879	17.498	
10)	M Octadecane (C18)	8.44	8.14	49832831	56475395	16.441	17.248	
11)	M Nonadecane (C19)	8.90	8.59	49991477	56649285	16.791	17.365	
12)	M Eicosane (C20)	9.34	9.02	50165054	56587264	16.869	17.371	
13)	M Docosane (C22)	10.15	9.81	50572137	57295116	16.804	17.203	
14)	M Tetracosane (C24	10.89	10.54	50878307	57280786	16.962	17.337	
15)	M Hexacosane (C26)	11.58	11.21	52086419	56689272	17.779	17.481	
16)	M Octacosane (C28)	12.22	11.91	48896729	1021691	16.127	0.532	#
17)	M Triacontane (C30	12.92	12.44	47103227	55101042	17.032	16.095	
18)	M Hexatriacontane	16.29	15.40	38952056	3479921	17.419	4.345	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

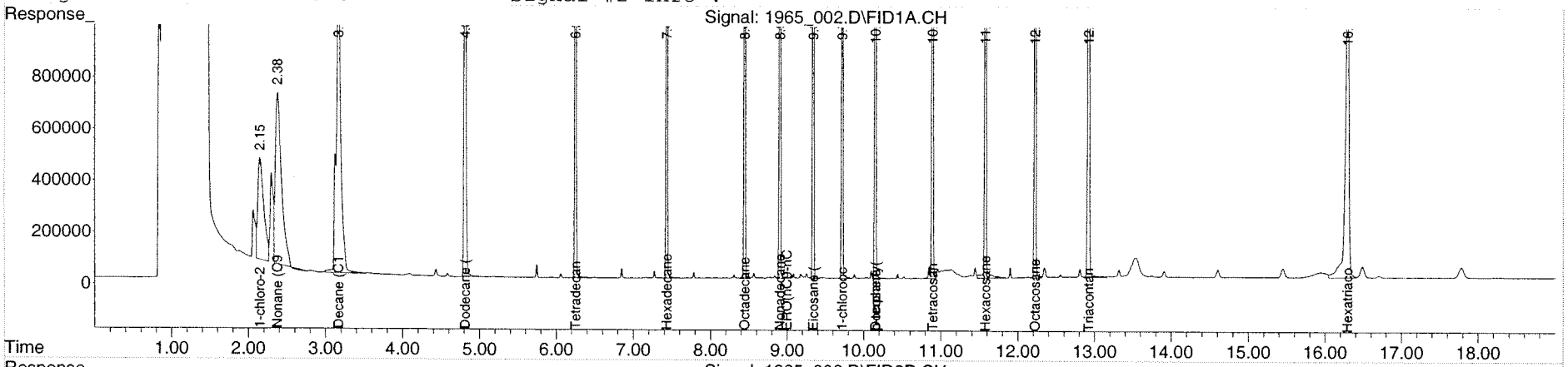
Quantitation Report (Not Reviewed)

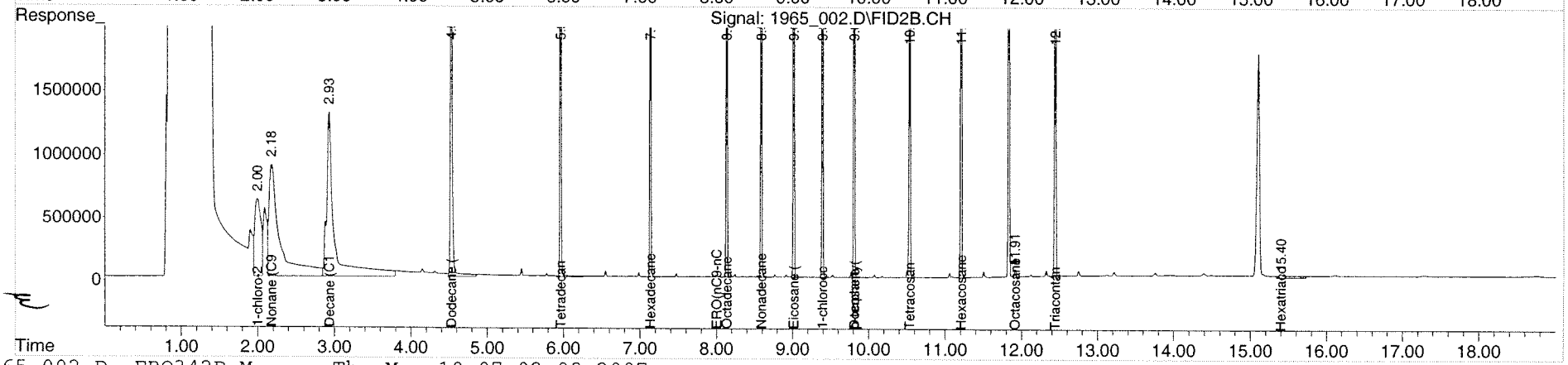
Data File : C:\MSDCHEM\1\DATA\1965\1965_002.D\FID1A.CH Vial: 2
Acq On : 09 May 2007 2:22 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_002.D\FID2B.CH Vial: 2
Acq On : 09 May 2007 2:48 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_003.D\FID1A.CH Vial: 3
Acq On : 09 May 2007 2:48 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_003.D\FID2B.CH Vial: 3
Acq On : 09 May 2007 3:13 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:09 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	1.99	21967464	31712661	29.479	14.780	#
	Spiked Amount 10.000			Recovery	=	294.79%	147.80%	
2)	S 1-chlorooctadeca	9.72	9.39	47336619	52332821	41.786	41.412	
	Spiked Amount 20.000			Recovery	=	208.93%	207.06%	
3)	S p-terphenyl	10.15	9.81	51938135	57977388	26.768	27.256	
	Spiked Amount 10.000			Recovery	=	267.68%	272.56%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	628.9E6	694.3E6	229.363	219.357	
5)	M Nonane (C9)	2.38	2.18	38120996	66886963	26.033	8.308	#
6)	M Decane (C10)	3.17	2.93	50369922	76754677	15.369	8.509	#
7)	M Dodecane (C12)	4.81	4.53	48444223	56366307	17.669	14.959	
8)	M Tetradecane (C14	6.25	5.96	49481894	55965165	17.335	17.474	
9)	M Hexadecane (C16)	7.43	7.14	50209875	56012659	17.328	17.594	
10)	M Octadecane (C18)	8.44	8.14	51177645	56787278	16.885	17.344	
11)	M Nonadecane (C19)	8.90	8.59	51327809	57239788	17.239	17.546	
12)	M Eicosane (C20)	9.34	9.02	51501101	57006502	17.318	17.499	
13)	M Docosane (C22)	10.15	9.81	51938135	57977388	17.258	17.407	
14)	M Tetracosane (C24	10.89	10.54	52241161	58100535	17.416	17.586	
15)	M Hexacosane (C26)	11.58	11.21	54788185	57178546	18.701	17.631	
16)	M Octacosane (C28)	12.22	11.91	50622952	1291277	16.696	0.672	#
17)	M Triacontane (C30	12.92	12.44	48788120	55536416	17.641	16.222	
18)	M Hexatriacontane	16.29	15.40	35768576	2348574	15.995	2.932	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

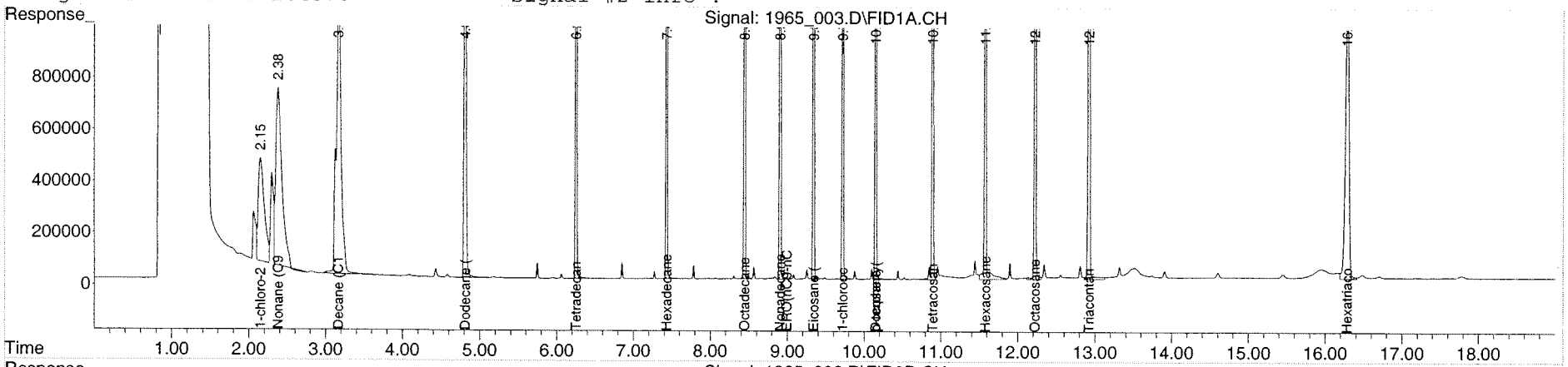
Quantitation Report (Not Reviewed)

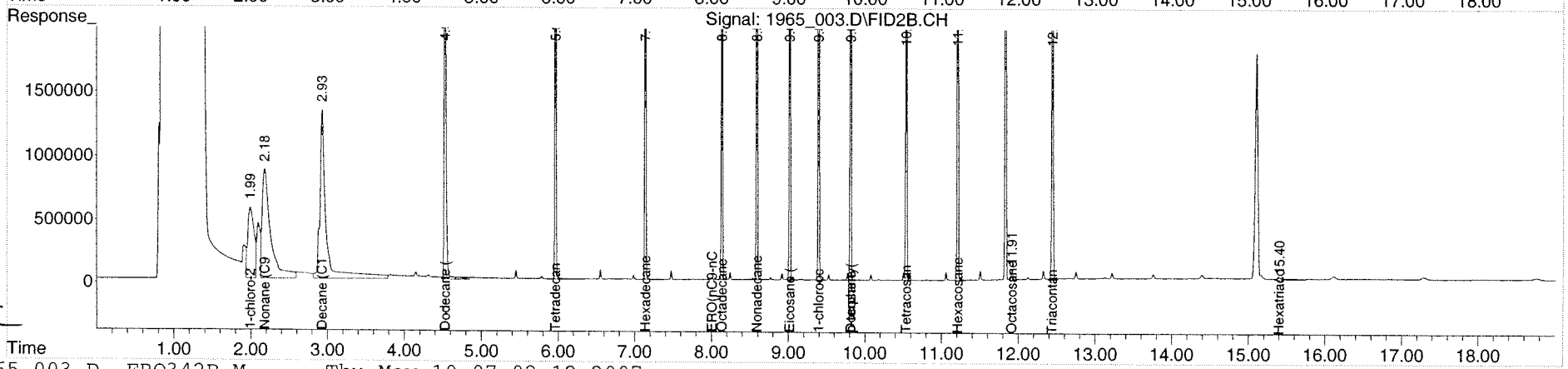
Data File : C:\MSDCHEM\1\DATA\1965\1965_003.D\FID1A.CH Vial: 3
Acq On : 09 May 2007 2:48 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_003.D\FID2B.CH Vial: 3
Acq On : 09 May 2007 3:13 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_004.D\FID1A.CH Vial: 4
Acq On : 09 May 2007 3:13 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_004.D\FID2B.CH Vial: 4
Acq On : 09 May 2007 3:39 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:13 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	26190043	39740414	35.146	18.522	#
	Spiked Amount 10.000			Recovery	=	351.46%	185.22%	
2)	S 1-chlorooctadeca	9.72	9.39	56206757	65765962	49.616	52.042	
	Spiked Amount 20.000			Recovery	=	248.08%	260.21%	
3)	S p-terphenyl	10.15	9.81	61597179	72590216	31.747	34.126	
	Spiked Amount 10.000			Recovery	=	317.47%	341.26%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	721.7E6	869.6E6	263.181	274.773	
5)	M Nonane (C9)	2.37	2.18	44898908	95795091	30.661	11.899	#
6)	M Decane (C10)	3.17	2.93	59318382	103.0E6	18.099	11.416	#
7)	M Dodecane (C12)	4.81	4.53	58417511	72531530	21.306	19.249	
8)	M Tetradecane (C14	6.25	5.96	59154849	70828144	20.723	22.114	
9)	M Hexadecane (C16)	7.43	7.14	59687170	70492152	20.598	22.142	
10)	M Octadecane (C18)	8.44	8.14	60785339	71345308	20.055	21.790	
11)	M Nonadecane (C19)	8.90	8.59	60926208	71593338	20.463	21.946	
12)	M Eicosane (C20)	9.34	9.02	61117495	71608367	20.552	21.982	
13)	M Docosane (C22)	10.15	9.81	61597179	72590216	20.468	21.795	
14)	M Tetracosane (C24	10.89	10.54	61680958	72663726	20.563	21.993	
15)	M Hexacosane (C26)	11.58	11.21	61595984	71898048	21.025	22.170	
16)	M Octacosane (C28)	12.22	11.92	60090537	1392663	19.819	0.725	#
17)	M Triacontane (C30	12.92	12.44	56871638	69835925	20.564	20.399	
18)	M Hexatriacontane	16.29	15.40	40975655	1667910	18.324	2.083	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

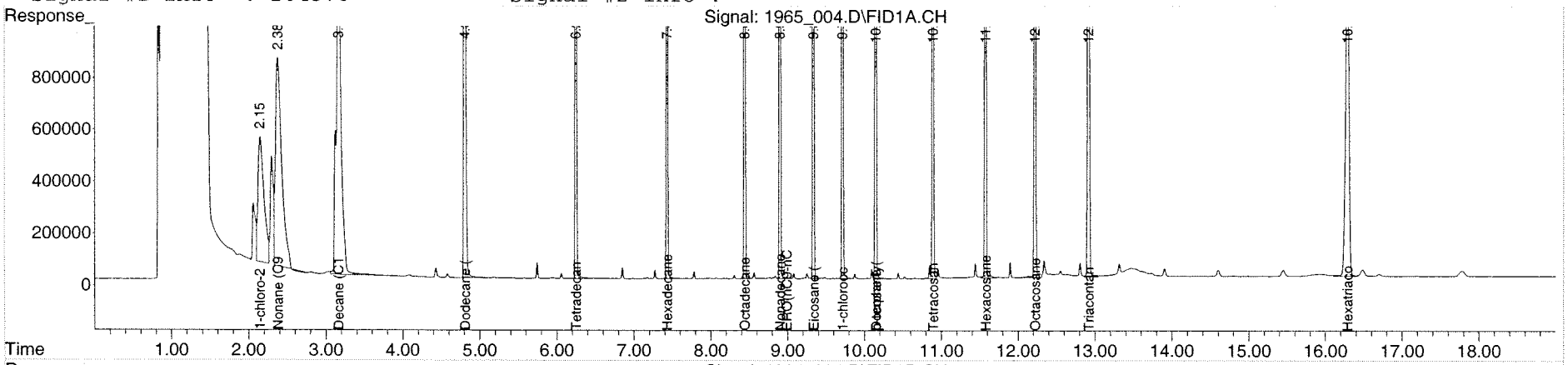
Quantitation Report (Not Reviewed)

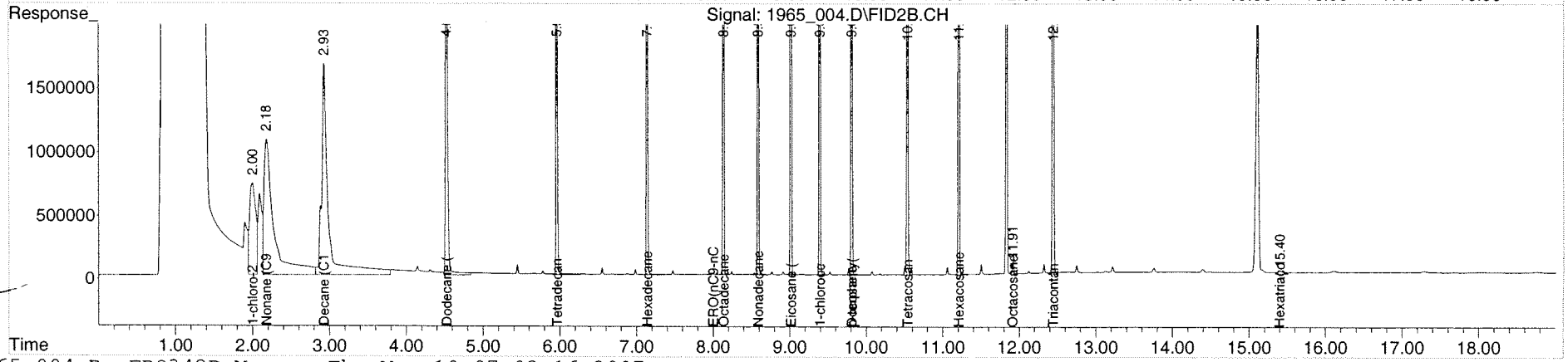
Data File : C:\MSDCHEM\1\DATA\1965\1965_004.D\FID1A.CH Vial: 4
Acq On : 09 May 2007 3:13 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_004.D\FID2B.CH Vial: 4
Acq On : 09 May 2007 3:39 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_005.D\FID1A.CH Vial: 5
Acq On : 09 May 2007 3:39 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_005.D\FID2B.CH Vial: 5
Acq On : 09 May 2007 4:04 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:17 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	1.99	23835886	36326936	31.986	16.931	#
	Spiked Amount 10.000			Recovery	=	319.86%	169.31%	
2)	S 1-chlorooctadeca	9.72	9.39	51905088	57372106	45.818	45.400	
	Spiked Amount 20.000			Recovery	=	229.09%	227.00%	
3)	S p-terphenyl	10.15	9.81	56894467	63502897	29.323	29.854	
	Spiked Amount 10.000			Recovery	=	293.23%	298.54%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	678.6E6	766.0E6	247.492	242.012	
5)	M Nonane (C9)	2.38	2.18	41042877	90004935	28.028	11.180	#
6)	M Decane (C10)	3.17	2.93	54251177	92462484	16.553	10.250	#
7)	M Dodecane (C12)	4.81	4.53	53008801	63400196	19.334	16.825	
8)	M Tetradecane (C14	6.25	5.96	54220768	61875211	18.995	19.319	
9)	M Hexadecane (C16)	7.43	7.14	55047530	61667120	18.997	19.370	
10)	M Octadecane (C18)	8.44	8.14	56103888	62328254	18.510	19.036	
11)	M Nonadecane (C19)	8.90	8.59	56265221	62881686	18.898	19.276	
12)	M Eicosane (C20)	9.34	9.02	56411432	63158443	18.969	19.388	
13)	M Docosane (C22)	10.15	9.81	56894467	63502897	18.905	19.066	
14)	M Tetracosane (C24	10.89	10.54	57139324	63672102	19.049	19.272	
15)	M Hexacosane (C26)	11.58	11.21	56682013	62586260	19.348	19.299	
16)	M Octacosane (C28)	12.22	11.91	55917282	1273186	18.442	0.663	#
17)	M Triacontane (C30	12.92	12.44	53096302	60838245	19.199	17.771	
18)	M Hexatriacontane	16.29	15.39	39462227	2383479	17.647	2.976	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

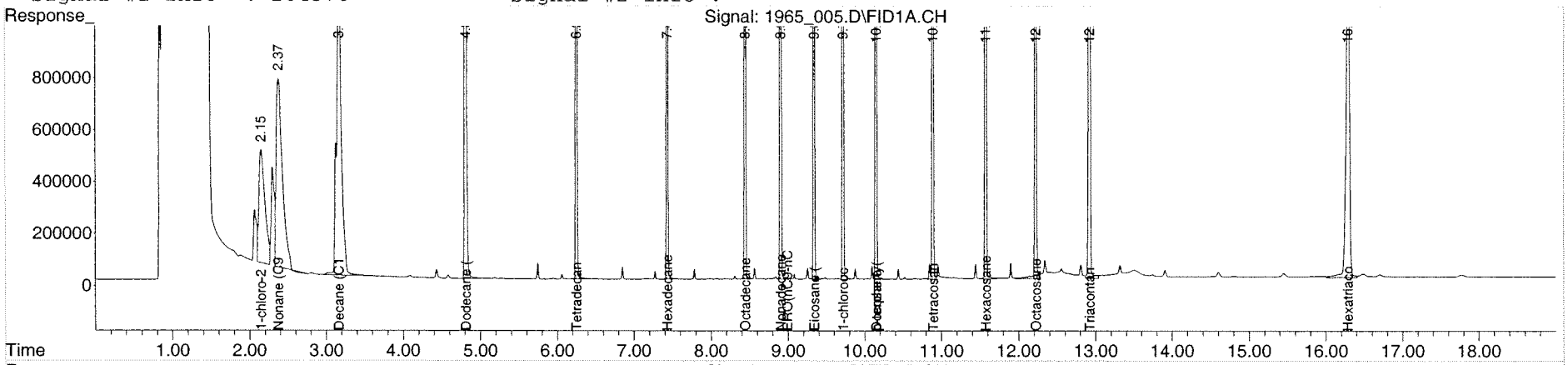
Quantitation Report (Not Reviewed)

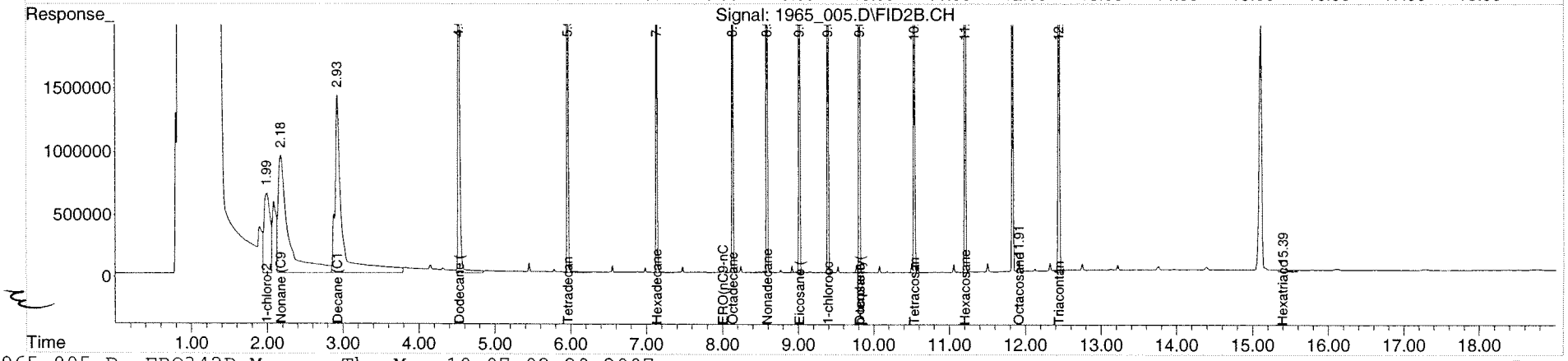
Data File : C:\MSDCHEM\1\DATA\1965\1965_005.D\FID1A.CH Vial: 5
Acq On : 09 May 2007 3:39 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_005.D\FID2B.CH Vial: 5
Acq On : 09 May 2007 4:04 pm Operator: HP Demo
Sample : PRIMER Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_006.D\FID1A.CH Vial: 6
Acq On : 09 May 2007 4:04 pm Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_006.D\FID2B.CH Vial: 6
Acq On : 09 May 2007 4:30 pm Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:21 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	9334003	32970603	12.526	15.366	
	Spiked Amount 10.000			Recovery	=	125.26%	153.66%	
2)	S 1-chlorooctadeca	9.71	9.39	21413730	24510438	18.903	19.396	
	Spiked Amount 20.000			Recovery	=	94.51%	96.98%	
3)	S p-terphenyl	10.15	9.81	18776660	21560560	9.677	10.136	
	Spiked Amount 10.000			Recovery	=	96.77%	101.36%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	238.0E6	263.0E6	86.789	83.090	
5)	M Nonane (C9)	2.38	2.18	12785570	57043936	8.731	7.085	
6)	M Decane (C10)	3.17	2.93	19479778	51971456	5.944	5.761	
7)	M Dodecane (C12)	4.81	4.53	17528239	23775622	6.393	6.310	
8)	M Tetradecane (C14	6.25	5.96	17961557	22550497	6.292	7.041	
9)	M Hexadecane (C16)	7.43	7.14	18178519	21294657	6.273	6.689	
10)	M Octadecane (C18)	8.44	8.13	18555819	21543078	6.122	6.580	
11)	M Nonadecane (C19)	8.90	8.58	18572904	21459656	6.238	6.578	
12)	M Eicosane (C20)	9.34	9.01	18631453	21457234	6.265	6.587	
13)	M Docosane (C22)	10.15	9.81	18776660	21560560	6.239	6.473	
14)	M Tetracosane (C24	10.89	10.53	18746581	21545842	6.250	6.521	
15)	M Hexacosane (C26)	11.57	11.20	19224294	21403758	6.562	6.600	
16)	M Octacosane (C28)	12.22	11.82	19050823	21414641	6.283	11.152	#
17)	M Triacontane (C30	12.91	12.43	17641409	20379226	6.379	5.953	
18)	M Hexatriacontane	16.27	15.51	14157364	1153108	6.331	1.440	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

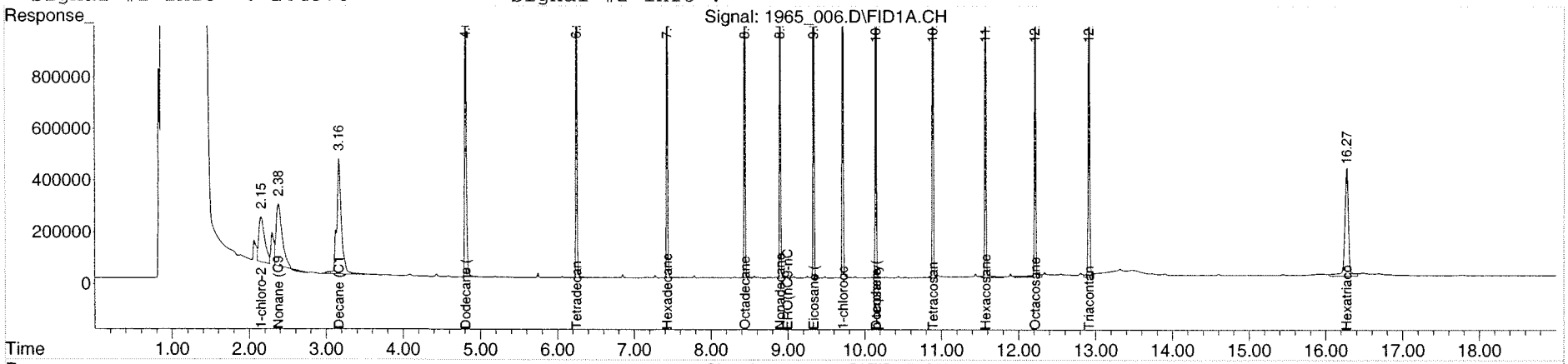
Quantitation Report (Not Reviewed)

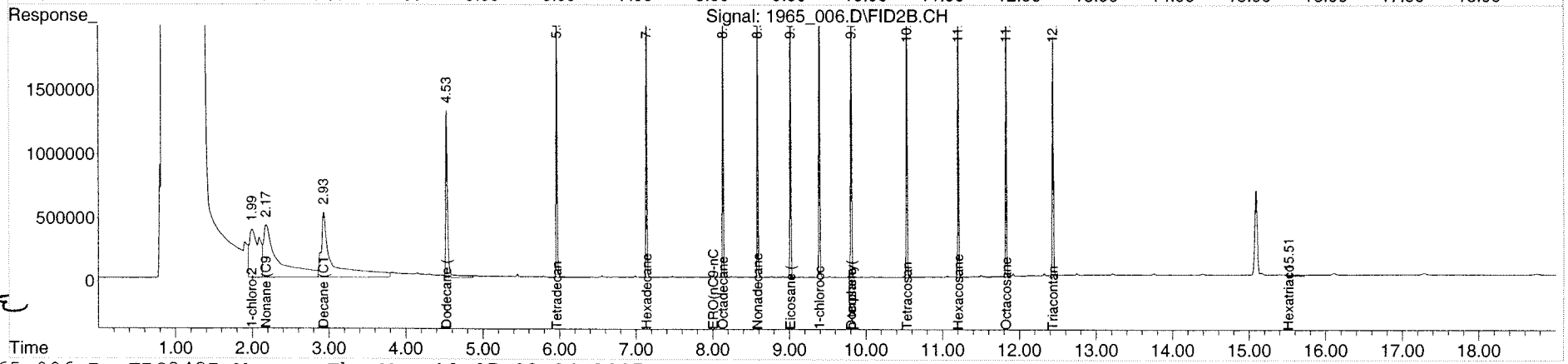
Data File : C:\MSDCHEM\1\DATA\1965\1965_006.D\FID1A.CH Vial: 6
Acq On : 09 May 2007 4:04 pm Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_006.D\FID2B.CH Vial: 6
Acq On : 09 May 2007 4:30 pm Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_012.D\FID1A.CH Vial: 12
Acq On : 09 May 2007 6:37 pm Operator: HP Demo
Sample : BLA FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_012.D\FID2B.CH Vial: 12
Acq On : 09 May 2007 7:03 pm Operator: HP Demo
Sample : BLA FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:46 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	4774152	54044210	6.407	25.188	#
	Spiked Amount 10.000			Recovery	=	64.07%	251.88%	
2)	S 1-chlorooctadeca	9.71	9.39	18998904	20875532	16.771	16.519	
	Spiked Amount 20.000			Recovery	=	83.86%	82.59%	
3)	S p-terphenyl	10.09	9.77	821359	981829	0.423	0.462	
	Spiked Amount 10.000			Recovery	=	4.23%	4.62%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	8665718	35939248	3.160	11.355	#
5)	M Nonane (C9)	2.15	2.00	4774152	54044210	3.260	6.713	#
6)	M Decane (C10)	3.14	3.00	1605168	23910346	0.490	2.651	#
7)	M Dodecane (C12)	0.00	4.15f	0	6754064	N.D.	1.792	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	9.02	0.00	479538	0	0.161	N.D.	#
12)	M Eicosane (C20)	9.02f	9.39f	479538	20875532	0.161	6.408	#
13)	M Docosane (C22)	10.09	9.77	821359	981829	0.273	0.295	
14)	M Tetracosane (C24	10.84	10.50	1270001	1736537	0.423	0.526	
15)	M Hexacosane (C26)	11.59	0.00	429078	0	0.146	N.D.	#
16)	M Octacosane (C28)	12.21	11.84	808594	1777811	0.267	0.926	#
17)	M Triacontane (C30	12.80	12.43	496435	1034373	0.180	0.302	#
18)	M Hexatriacontane	0.00	15.27	0	1478997	N.D.	1.847	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

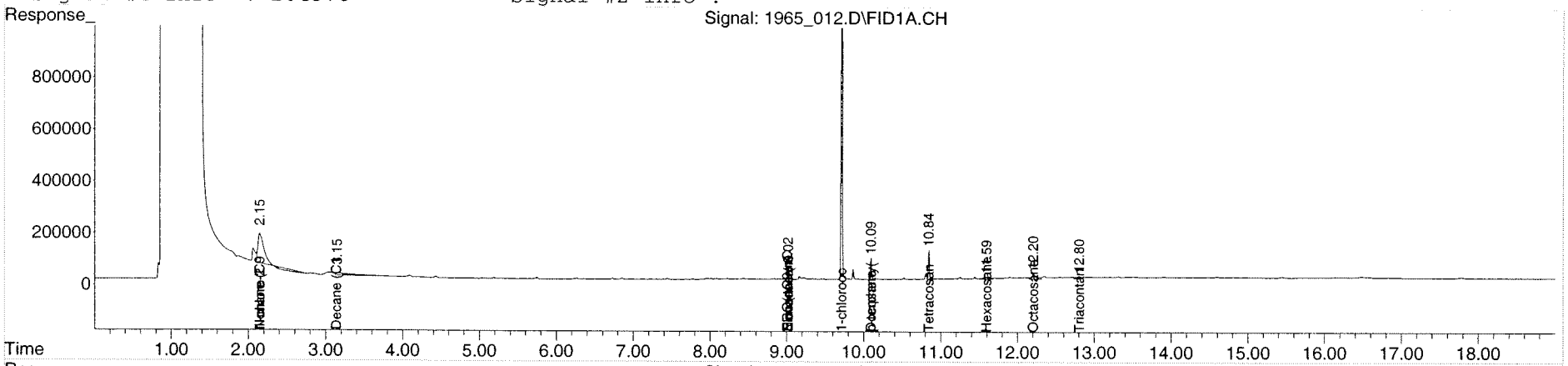
Quantitation Report (Not Reviewed)

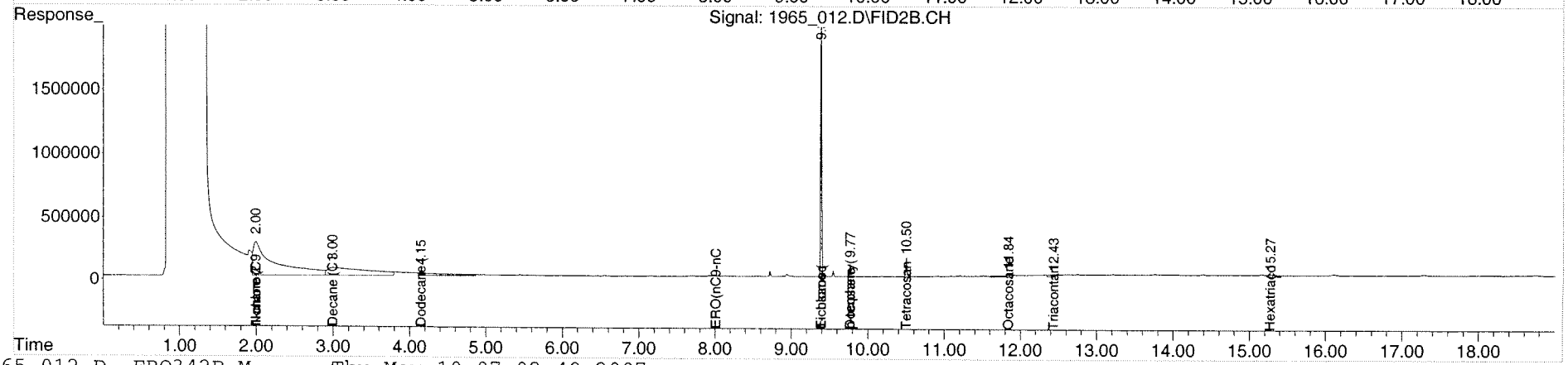
Data File : C:\MSDCHEM\1\DATA\1965\1965_012.D\FID1A.CH Vial: 12
Acq On : 09 May 2007 6:37 pm Operator: HP Demo
Sample : BLA FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_012.D\FID2B.CH Vial: 12
Acq On : 09 May 2007 7:03 pm Operator: HP Demo
Sample : BLA FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_013.D\FID1A.CH Vial: 13
Acq On : 09 May 2007 7:03 pm Operator: HP Demo
Sample : LCS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_013.D\FID2B.CH Vial: 13
Acq On : 09 May 2007 7:28 pm Operator: HP Demo
Sample : LCS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:50 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	8401169	22223601	11.274	10.358	
	Spiked Amount 10.000			Recovery	=	112.74%	103.58%	
2)	S 1-chlorooctadeca	9.71	9.39	21460870	25141789	18.944	19.895	
	Spiked Amount 20.000			Recovery	=	94.72%	99.48%	
3)	S p-terphenyl	10.14	9.81	14059764	15256431	7.246	7.172	
	Spiked Amount 10.000			Recovery	=	72.46%	71.72%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	166.4E6	206.4E6	60.689	65.215	
5)	M Nonane (C9)	2.38	2.18	7164731	49964206	4.893	6.206	#
6)	M Decane (C10)	3.17	2.93	13012443	46076454	3.970	5.108	#
7)	M Dodecane (C12)	4.81	4.53	11689412	17640919	4.263	4.682	
8)	M Tetradecane (C14	6.25	5.96	12028495	14837136	4.214	4.632	
9)	M Hexadecane (C16)	7.43	7.14	12384635	15024071	4.274	4.719	
10)	M Octadecane (C18)	8.44	8.13	12836708	15320212	4.235	4.679	
11)	M Nonadecane (C19)	8.90	8.58	12781640	15849373	4.293	4.858	
12)	M Eicosane (C20)	9.33	9.01	12806070	15224131	4.306	4.673	
13)	M Docosane (C22)	10.14	9.81	14059764	15256431	4.672	4.581	
14)	M Tetracosane (C24	10.89	10.53	12790667	17609083	4.264	5.330	
15)	M Hexacosane (C26)	11.57	11.20	12881588	15353423	4.397	4.734	
16)	M Octacosane (C28)	12.22	11.91	12753977	866981	4.206	0.452	#
17)	M Triacontane (C30	12.91	12.43	12028646	14796634	4.349	4.322	
18)	M Hexatriacontane	16.27	15.52	9568303	1108364	4.279	1.384	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

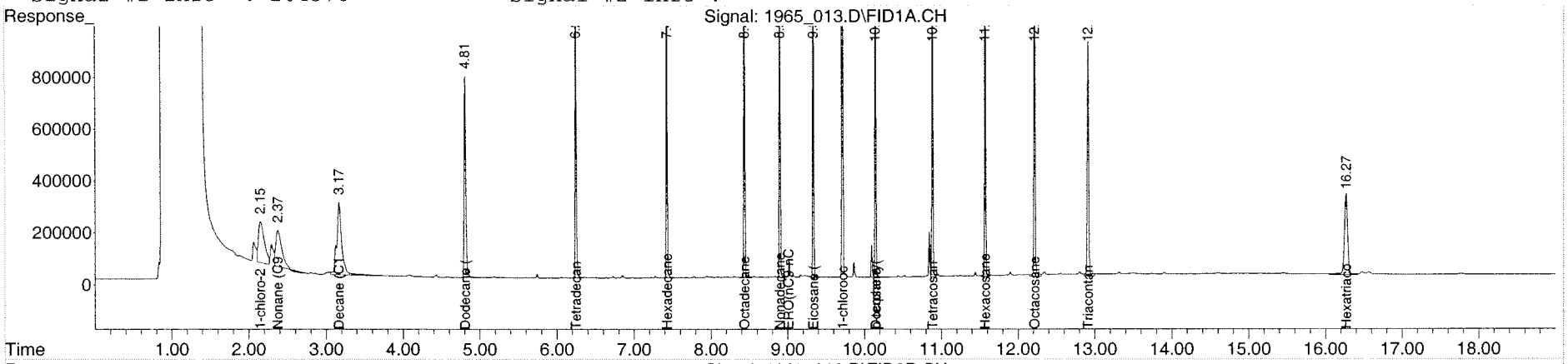
Quantitation Report (Not Reviewed)

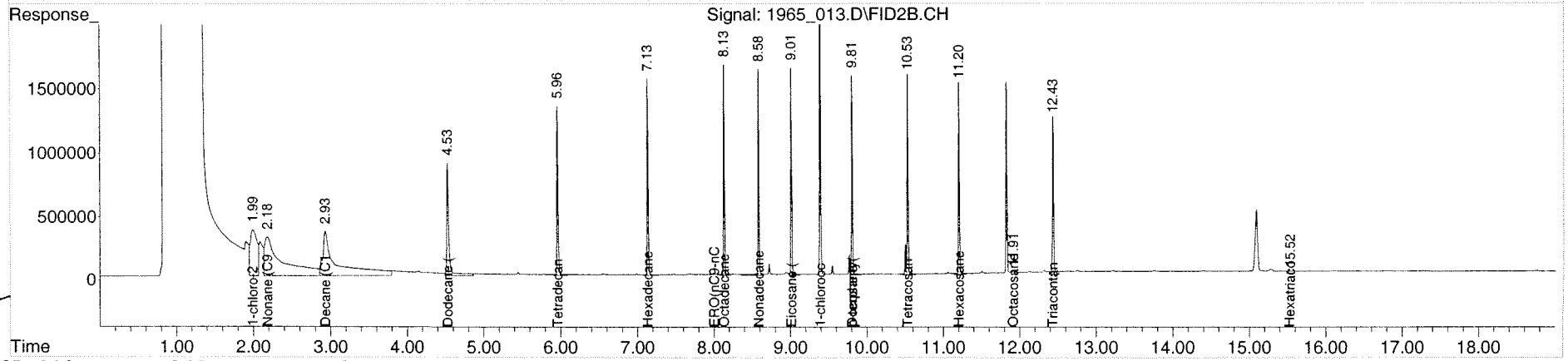
Data File : C:\MSDCHEM\1\DATA\1965\1965_013.D\FID1A.CH Vial: 13
Acq On : 09 May 2007 7:03 pm Operator: HP Demo
Sample : LCS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_013.D\FID2B.CH Vial: 13
Acq On : 09 May 2007 7:28 pm Operator: HP Demo
Sample : LCS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_014.D\FID1A.CH Vial: 14
Acq On : 09 May 2007 7:28 pm Operator: HP Demo
Sample : A768863 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_014.D\FID2B.CH Vial: 14
Acq On : 09 May 2007 7:53 pm Operator: HP Demo
Sample : A768863 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:54 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	3375669	53118185	4.530	24.757	#
	Spiked Amount 10.000			Recovery	=	45.30%	247.57%	
2)	S 1-chlorooctadeca	9.71	9.39	20823987	22615825	18.382	17.896	
	Spiked Amount 20.000			Recovery	=	91.91%	89.48%	
3)	S p-terphenyl	10.19	9.77	405501	1389146	0.209	0.653	#
	Spiked Amount 10.000			Recovery	=	2.09%	6.53%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	43039969	28196862	15.696	8.909	#
5)	M Nonane (C9)	2.15	2.00	3375669	53118185	2.305	6.598	#
6)	M Decane (C10)	3.14	3.00	892194	23223600	0.272	2.574	#
7)	M Dodecane (C12)	0.00	4.55	0	1123944	N.D.	0.298	#
8)	M Tetradecane (C14	6.25	5.64f	352102	703367	0.123	0.220	#
9)	M Hexadecane (C16)	7.43	0.00	355215	0	0.123	N.D.	#
10)	M Octadecane (C18)	8.44	8.59f	379548	754881	0.125	0.231	#
11)	M Nonadecane (C19)	8.90	8.59	719905	754881	0.242	0.231	
12)	M Eicosane (C20)	9.22	8.92	474244	832604	0.159	0.256	#
13)	M Docosane (C22)	10.19	9.77	405501	1389146	0.135	0.417	#
14)	M Tetracosane (C24	10.90	10.50	577392	1917511	0.192	0.580	#
15)	M Hexacosane (C26)	11.57	11.50f	520652	904533	0.178	0.279	#
16)	M Octacosane (C28)	12.21	11.91	1066229	996396	0.352	0.519	#
17)	M Triacontane (C30	12.91	12.43	431684	1029343	0.156	0.301	#
18)	M Hexatriacontane	16.17	15.29	787839	2531167	0.352	3.160	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

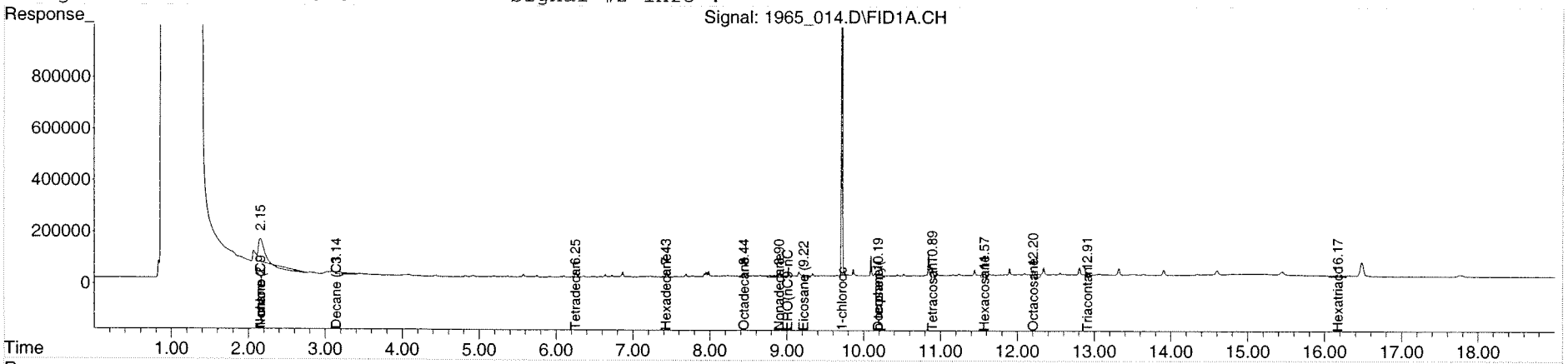
Quantitation Report (Not Reviewed)

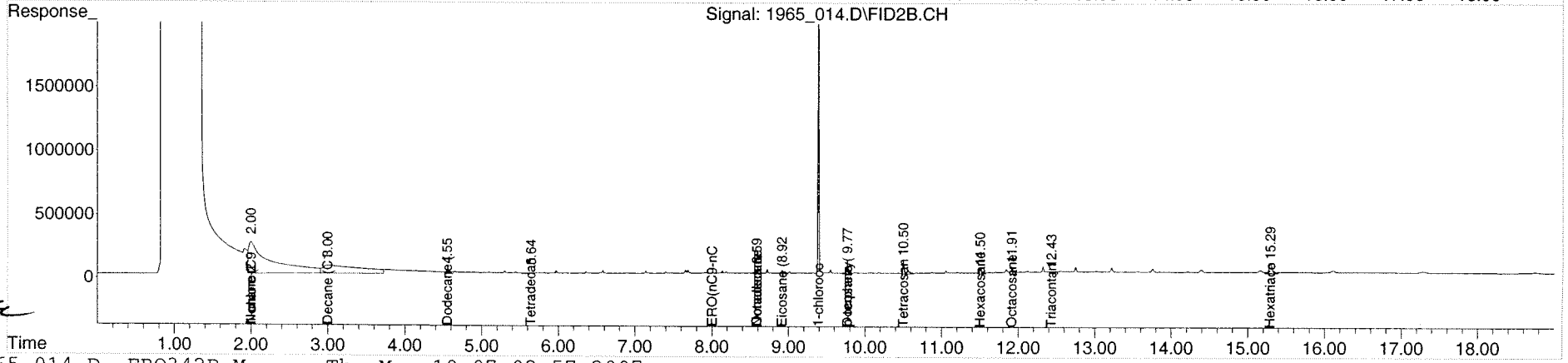
Data File : C:\MSDCHEM\1\DATA\1965\1965_014.D\FID1A.CH Vial: 14
Acq On : 09 May 2007 7:28 pm Operator: HP Demo
Sample : A768863 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_014.D\FID2B.CH Vial: 14
Acq On : 09 May 2007 7:53 pm Operator: HP Demo
Sample : A768863 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_015.D\FID1A.CH Vial: 15
Acq On : 09 May 2007 7:53 pm Operator: HP Demo
Sample : A768863 MS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_015.D\FID2B.CH Vial: 15
Acq On : 09 May 2007 8:19 pm Operator: HP Demo
Sample : A768863 MS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:02:58 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	7038876	16730250	9.446	7.797	
	Spiked Amount 10.000			Recovery	=	94.46%	77.97%	
2)	S 1-chlorooctadeca	9.71	9.39	19330964	23141087	17.064	18.312	
	Spiked Amount 20.000			Recovery	=	85.32%	91.56%	
3)	S p-terphenyl	10.14	9.81	12341682	14565694	6.361	6.848	
	Spiked Amount 10.000			Recovery	=	63.61%	68.48%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	143.7E6	188.5E6	52.413	59.566	
5)	M Nonane (C9)	2.38	2.18	6138052	38200066	4.192	4.745	
6)	M Decane (C10)	3.17	2.93	11507240	33857371	3.511	3.753	
7)	M Dodecane (C12)	4.81	4.53	10651642	13793032	3.885	3.660	
8)	M Tetradecane (C14	6.25	5.96	11183653	13609715	3.918	4.249	
9)	M Hexadecane (C16)	7.43	7.14	11314706	13694472	3.905	4.301	
10)	M Octadecane (C18)	8.44	8.13	11719886	14098426	3.867	4.306	
11)	M Nonadecane (C19)	8.90	8.58	11872170	13942767	3.987	4.274	
12)	M Eicosane (C20)	9.33	9.01	11650602	13904139	3.918	4.268	
13)	M Docosane (C22)	10.14	9.81	12341682	14565694	4.101	4.373	
14)	M Tetracosane (C24	10.89	10.53	12607752	15462830	4.203	4.680	
15)	M Hexacosane (C26)	11.57	11.20	11713575	13971175	3.998	4.308	
16)	M Octacosane (C28)	12.22	11.91	11616803	1038774	3.831	0.541	#
17)	M Triacontane (C30	12.91	12.43	10529751	13696732	3.807	4.001	
18)	M Hexatriacontane	16.27	15.39	7825219	973043	3.499	1.215	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

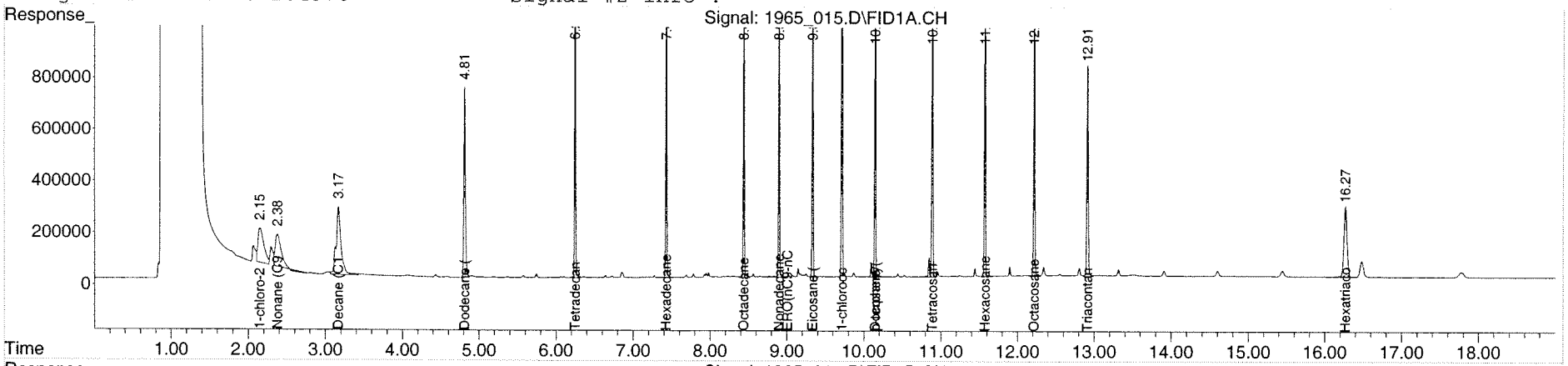
Quantitation Report (Not Reviewed)

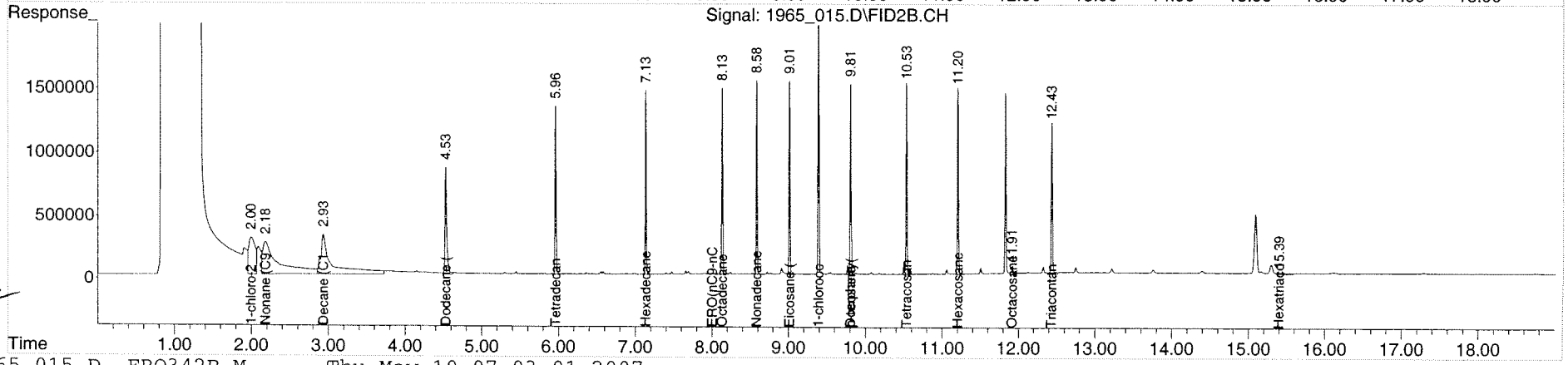
Data File : C:\MSDCHEM\1\DATA\1965\1965_015.D\FID1A.CH Vial: 15
Acq On : 09 May 2007 7:53 pm Operator: HP Demo
Sample : A768863 MS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_015.D\FID2B.CH Vial: 15
Acq On : 09 May 2007 8:19 pm Operator: HP Demo
Sample : A768863 MS FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_016.D\FID1A.CH Vial: 16
Acq On : 09 May 2007 8:19 pm Operator: HP Demo
Sample : A768863 MSD FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_016.D\FID2B.CH Vial: 16
Acq On : 09 May 2007 8:44 pm Operator: HP Demo
Sample : A768863 MSD FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	4093768	11405524	5.494	5.316	
	Spiked Amount 10.000			Recovery	=	54.94%	53.16%	
2)	S 1-chlorooctadeca	9.71	9.39	20534775	23318406	18.127	18.452	
	Spiked Amount 20.000			Recovery	=	90.64%	92.26%	
3)	S p-terphenyl	10.14	9.80	13810300	14113867	7.118	6.635	
	Spiked Amount 10.000			Recovery	=	71.18%	66.35%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	164.1E6	178.4E6	59.830	56.352	
5)	M Nonane (C9)	2.38	2.18	2947912	24812568	2.013	3.082	#
6)	M Decane (C10)	3.17	2.93	9390681	24105016	2.865	2.672	
7)	M Dodecane (C12)	4.81	4.53	10274073	12453312	3.747	3.305	
8)	M Tetradecane (C14	6.25	5.96	11775554	13772760	4.125	4.300	
9)	M Hexadecane (C16)	7.43	7.14	12117072	14351195	4.182	4.508	
10)	M Octadecane (C18)	8.44	8.13	12629813	14694339	4.167	4.488	
11)	M Nonadecane (C19)	8.90	8.58	12558414	14562074	4.218	4.464	
12)	M Eicosane (C20)	9.33	9.01	12533498	14413415	4.215	4.424	
13)	M Docosane (C22)	10.14	9.80	13810300	14113867	4.589	4.238	
14)	M Tetracosane (C24	10.89	10.53	12831992	17452298	4.278	5.282	
15)	M Hexacosane (C26)	11.57	11.20	12679508	14196642	4.328	4.378	
16)	M Octacosane (C28)	12.21	11.92	12851175	1050912	4.238	0.547	#
17)	M Triacontane (C30	12.91	12.43	11640761	14318226	4.209	4.182	
18)	M Hexatriacontane	16.27	15.51	8439654	2575222	3.774	3.215	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

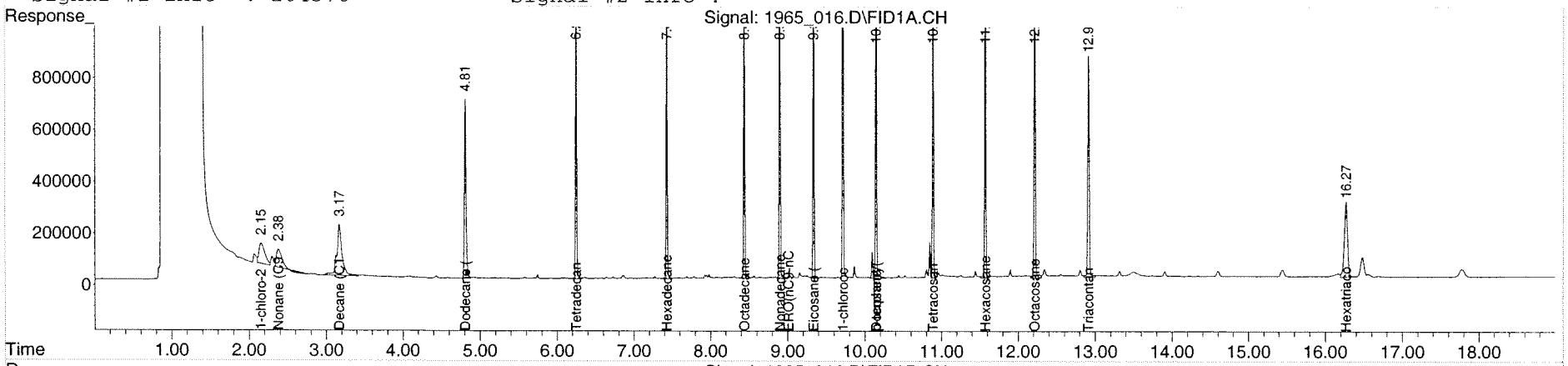
Quantitation Report (Not Reviewed)

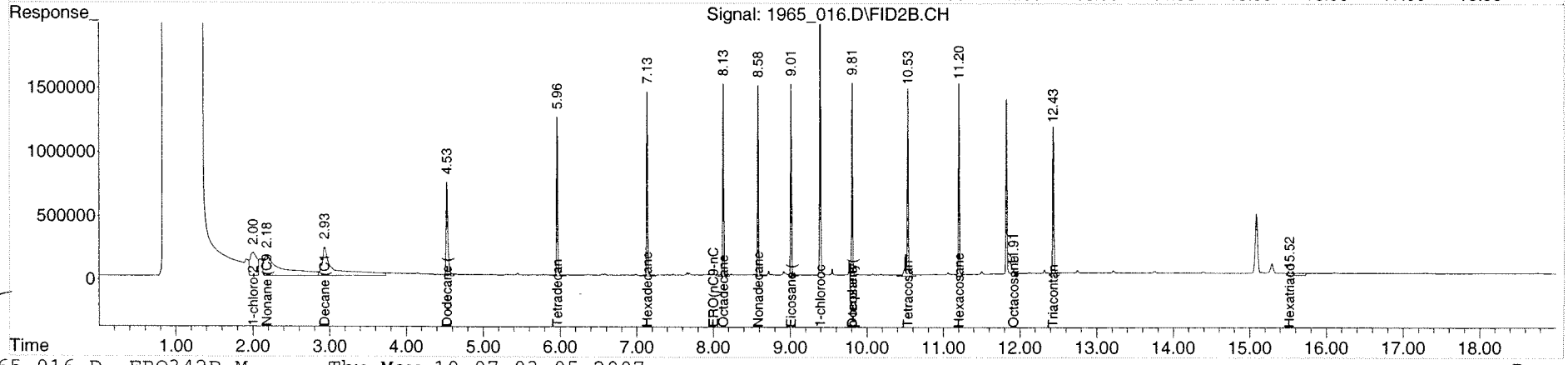
Data File : C:\MSDCHEM\1\DATA\1965\1965_016.D\FID1A.CH Vial: 16
Acq On : 09 May 2007 8:19 pm Operator: HP Demo
Sample : A768863 MSD FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_016.D\FID2B.CH Vial: 16
Acq On : 09 May 2007 8:44 pm Operator: HP Demo
Sample : A768863 MSD FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_017.D\FID1A.CH Vial: 17
Acq On : 09 May 2007 8:44 pm Operator: HP Demo
Sample : A768803 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_017.D\FID2B.CH Vial: 17
Acq On : 09 May 2007 9:10 pm Operator: HP Demo
Sample : A768803 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:06 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.00	0	61444095	N.D.	28.637	#
	Spiked Amount 10.000			Recovery	=	0.00%	286.37%	
2)	S 1-chlorooctadeca	9.71	9.39	26884391	24568784	23.732	19.442	
	Spiked Amount 20.000			Recovery	=	118.66%	97.21%	
3)	S p-terphenyl	10.09	9.88	9148518	2563397	4.715	1.205	#
	Spiked Amount 10.000			Recovery	=	47.15%	12.05%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	278.6E6	370.7E6	101.596	117.135	
5)	M Nonane (C9)	0.00	2.00	0	61444095	N.D.	7.632	#
6)	M Decane (C10)	3.09	3.00	2729283	37745801	0.833	4.184	#
7)	M Dodecane (C12)	0.00	4.56	0	858658	N.D.	0.228	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.08f	0.00	829482	0	0.286	N.D.	#
10)	M Octadecane (C18)	8.44	8.13	2672085	1615252	0.882	0.493	#
11)	M Nonadecane (C19)	8.90	8.59	3362113	1252817	1.129	0.384	#
12)	M Eicosane (C20)	9.33	9.05	3352655	1093160	1.127	0.336	#
13)	M Docosane (C22)	10.09	9.88	9148518	2563397	3.040	0.770	#
14)	M Tetracosane (C24	10.84	10.56	25052486	4653358	8.352	1.408	#
15)	M Hexacosane (C26)	11.59	11.20	6314084	10850602	2.155	3.346	#
16)	M Octacosane (C28)	12.20	11.91	7495659	5288105	2.472	2.754	
17)	M Triacontane (C30	12.89	12.53	9938842	8321236	3.594	2.431	#
18)	M Hexatriacontane	16.19	15.46	3940514	1097923	1.762	1.371	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

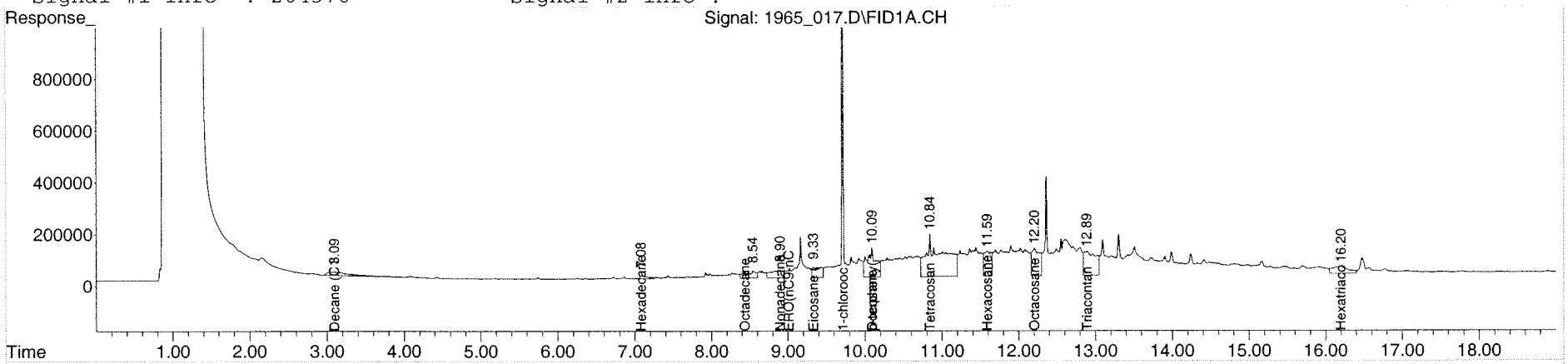
Quantitation Report (Not Reviewed)

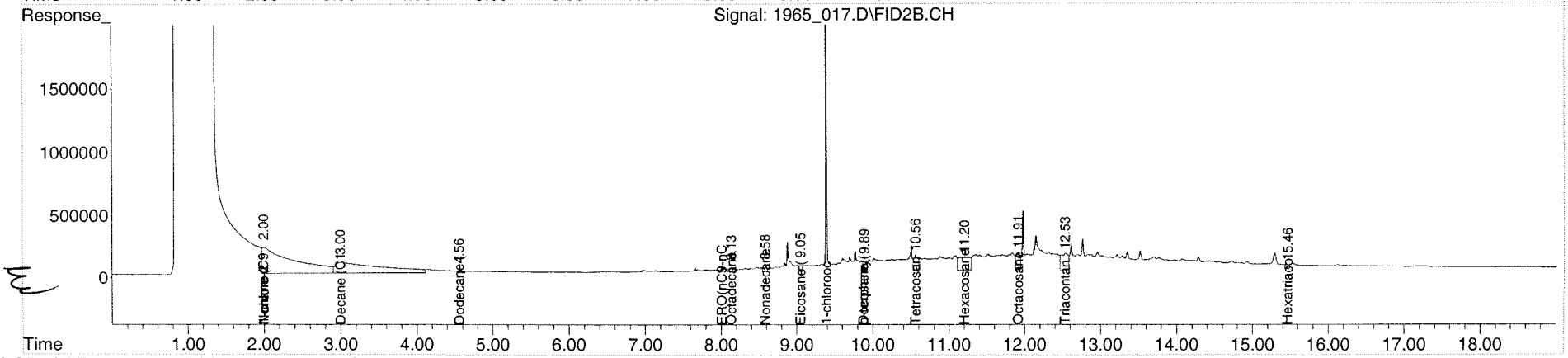
Data File : C:\MSDCHEM\1\DATA\1965\1965_017.D\FID1A.CH Vial: 17
Acq On : 09 May 2007 8:44 pm Operator: HP Demo
Sample : A768803 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_017.D\FID2B.CH Vial: 17
Acq On : 09 May 2007 9:10 pm Operator: HP Demo
Sample : A768803 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_018.D\FID1A.CH Vial: 18
Acq On : 09 May 2007 9:10 pm Operator: HP Demo
Sample : A768804 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_018.D\FID2B.CH Vial: 18
Acq On : 09 May 2007 9:35 pm Operator: HP Demo
Sample : A768804 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:10 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1) S	1-chloro-2-flour	2.15	2.00	3857080	31378202	5.176	14.624	#
Spiked Amount	10.000			Recovery	=	51.76%	146.24%	
2) S	1-chlorooctadeca	9.71	9.39	28439821	28508122	25.105	22.559	
Spiked Amount	20.000			Recovery	=	125.52%	112.80%	
3) S	p-terphenyl	10.14	9.88	2580344	6305819	1.330	2.964	#
Spiked Amount	10.000			Recovery	=	13.30%	29.64%	
	Target Compounds							
4) H,T	ERO(nC9-nC36)	9.00	8.00	560.1E6	687.3E6	204.263	217.149	
5) M	Nonane (C9)	2.15	2.00	3857080	31378202	2.634	3.898	#
6) M	Decane (C10)	3.10	2.99	1637661	11806727	0.500	1.309	#
7) M	Dodecane (C12)	0.00	4.36	0	758627	N.D.	0.201	#
8) M	Tetradecane (C14	6.49	6.36f	513057	768562	0.180	0.240	#
9) M	Hexadecane (C16)	7.44	7.01	923995	1168991	0.319	0.367	
10) M	Octadecane (C18)	8.44	8.13	1887108	2071059	0.623	0.633	
11) M	Nonadecane (C19)	8.87	8.58	6136162	3847953	2.061	1.180	#
12) M	Eicosane (C20)	9.33	9.01	1744945	2362197	0.587	0.725	
13) M	Docosane (C22)	10.14	9.88	2580344	6305819	0.857	1.893	#
14) M	Tetracosane (C24	10.89	10.56	6663796	10376782	2.222	3.141	#
15) M	Hexacosane (C26)	11.58	11.20	12437558	7862566	4.245	2.424	#
16) M	Octacosane (C28)	12.20	11.91	9109450	11331275	3.004	5.901	#
17) M	Triacontane (C30	12.89	12.49	7173171	14499443	2.594	4.235	#
18) M	Hexatriacontane	16.22	15.45	3497848	2371395	1.564	2.961	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

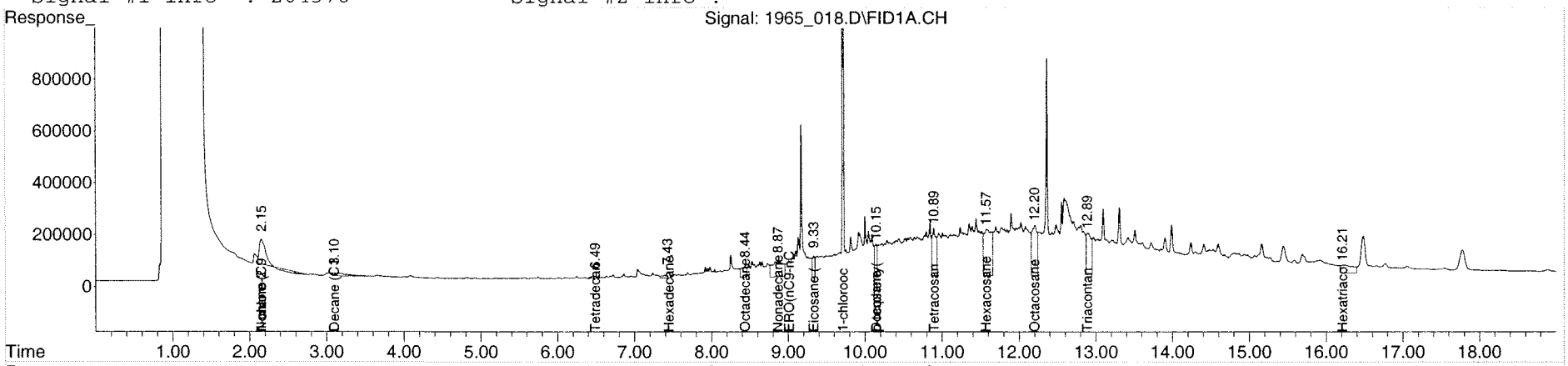
Quantitation Report (Not Reviewed)

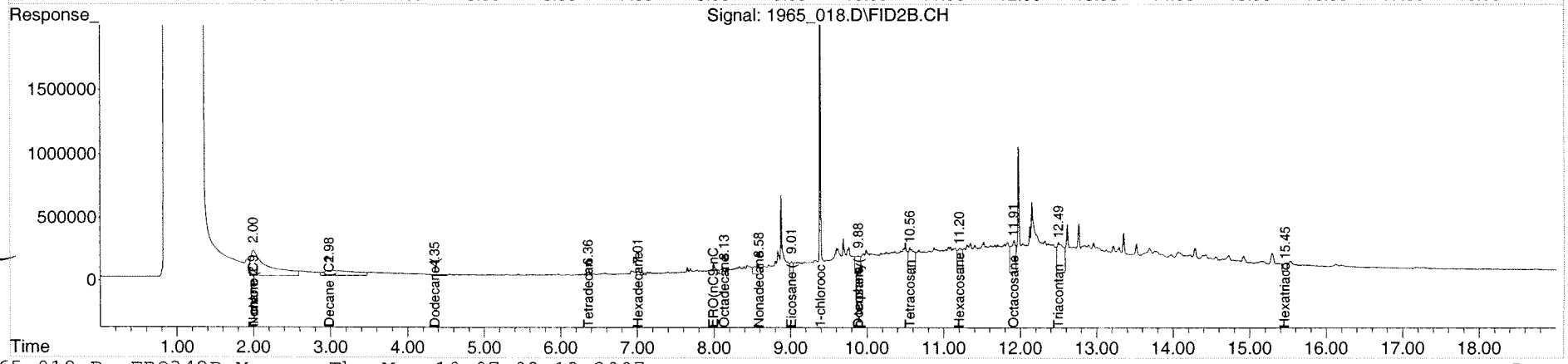
Data File : C:\MSDCHEM\1\DATA\1965\1965_018.D\FID1A.CH Vial: 18
Acq On : 09 May 2007 9:10 pm Operator: HP Demo
Sample : A768804 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_018.D\FID2B.CH Vial: 18
Acq On : 09 May 2007 9:35 pm Operator: HP Demo
Sample : A768804 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_019.D\FID1A.CH Vial: 19
Acq On : 09 May 2007 9:35 pm Operator: HP Demo
Sample : A768805 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_019.D\FID2B.CH Vial: 19
Acq On : 09 May 2007 10:01 pm Operator: HP Demo
Sample : A768805 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:14 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	2.15	2.00	2341088	67653077	3.142	31.531 #
Spiked Amount 10.000			Recovery	=	31.42%	315.31%
2) S 1-chlorooctadeca	9.71	9.39	20428847	22630066	18.033	17.908
Spiked Amount 20.000			Recovery	=	90.17%	89.54%
3) S p-terphenyl	10.09	9.77	1253311	1149511	0.646	0.540
Spiked Amount 10.000			Recovery	=	6.46%	5.40%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	82307419	88500024	30.017	27.962
5) M Nonane (C9)	2.15	2.00	2341088	67653077	1.599	8.403 #
6) M Decane (C10)	3.10	3.00	1706803	37768299	0.521	4.187 #
7) M Dodecane (C12)	0.00	4.90f	0	1971739	N.D.	0.523 #
8) M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.
9) M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.
10) M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.
11) M Nonadecane (C19)	9.15	8.91f	929319	1263990	0.312	0.387
12) M Eicosane (C20)	9.22	8.91	408217	1263990	0.137	0.388 #
13) M Docosane (C22)	10.09	9.77	1253311	1149511	0.416	0.345
14) M Tetracosane (C24	10.90	10.56	813402	755648	0.271	0.229
15) M Hexacosane (C26)	11.57	11.34	536766	1908287	0.183	0.588 #
16) M Octacosane (C28)	12.21	11.91	1408707	1551380	0.465	0.808 #
17) M Triacontane (C30	12.96	12.43	1219099	2069713	0.441	0.605 #
18) M Hexatriacontane	16.19	15.52	7207677	2280660	3.223	2.848

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

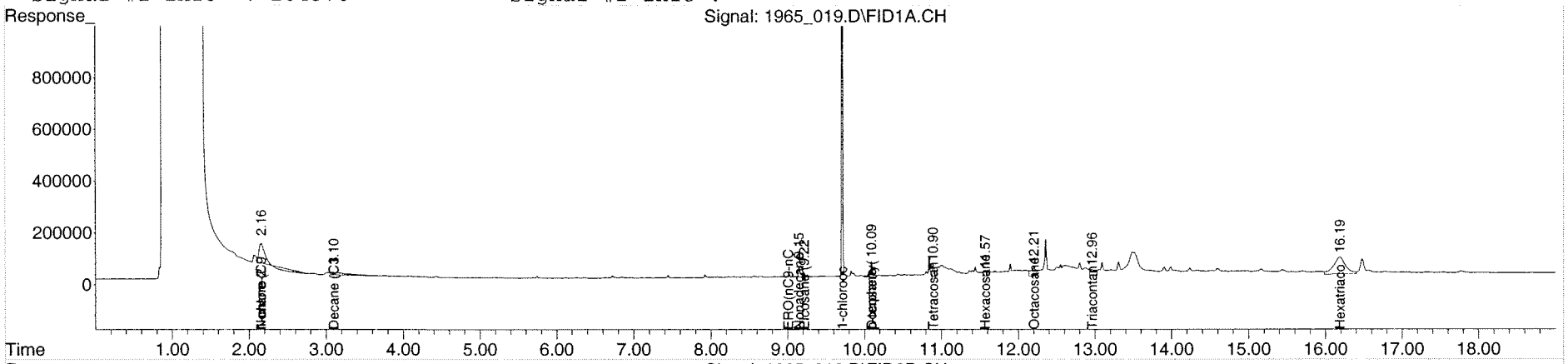
Quantitation Report (Not Reviewed)

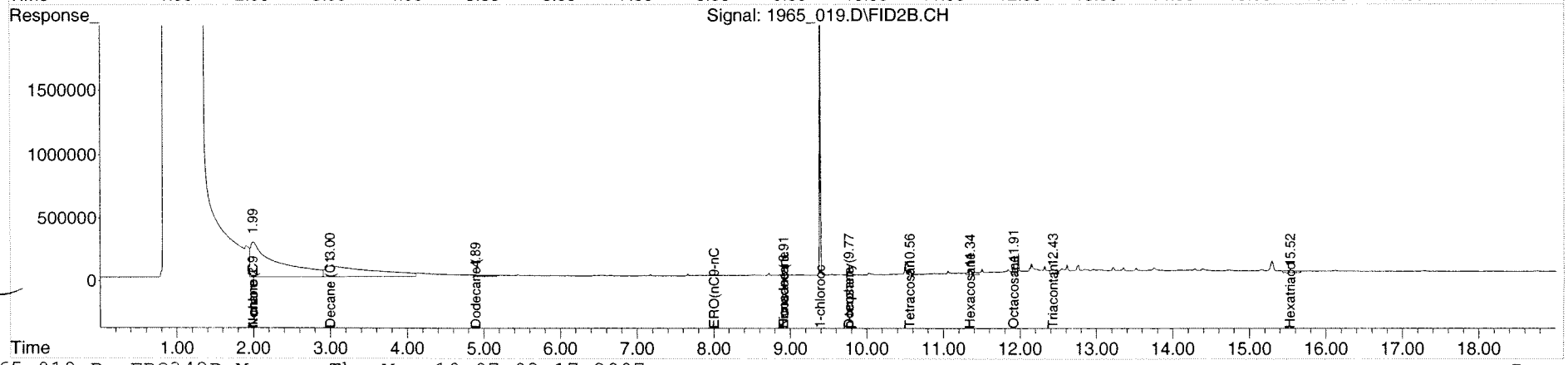
Data File : C:\MSDCHEM\1\DATA\1965\1965_019.D\FID1A.CH Vial: 19
Acq On : 09 May 2007 9:35 pm Operator: HP Demo
Sample : A768805 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_019.D\FID2B.CH Vial: 19
Acq On : 09 May 2007 10:01 pm Operator: HP Demo
Sample : A768805 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_020.D\FID1A.CH Vial: 20
Acq On : 09 May 2007 10:01 pm Operator: HP Demo
Sample : A768806 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_020.D\FID2B.CH Vial: 20
Acq On : 09 May 2007 10:26 pm Operator: HP Demo
Sample : A768806 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:18 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.16	2.00	3311457	39437358	4.444	18.380	#
	Spiked Amount 10.000			Recovery	=	44.44%	183.80%	
2)	S 1-chlorooctadeca	9.72	9.39	35179864	54755678	31.054	43.330	#
	Spiked Amount 20.000			Recovery	=	155.27%	216.65%	
3)	S p-terphenyl	10.15	9.81	49221130	25962956	25.368	12.206	#
	Spiked Amount 10.000			Recovery	=	253.68%	122.06%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	2876.0E6	3564.5E6	1048.834	1126.225	
5)	M Nonane (C9)	2.16	2.00	3311457	39437358	2.261	4.899	#
6)	M Decane (C10)	3.17	2.97	1885169	6235435	0.575	0.691	
7)	M Dodecane (C12)	4.81	4.53	2994149	4218663	1.092	1.120	
8)	M Tetradecane (C14	6.25	5.96	8216881	8384734	2.879	2.618	
9)	M Hexadecane (C16)	7.43	7.13	20998939	13694077	7.247	4.301	#
10)	M Octadecane (C18)	8.44	8.13	8529300	24267651	2.814	7.412	#
11)	M Nonadecane (C19)	8.90	8.58	24480287	17154469	8.222	5.259	#
12)	M Eicosane (C20)	9.33	9.05	11781564	36018714	3.962	11.057	#
13)	M Docosane (C22)	10.15	9.81	49221130	25962956	16.355	7.795	#
14)	M Tetracosane (C24	10.89	10.57	42595770	54600281	14.201	16.526	
15)	M Hexacosane (C26)	11.59	11.22	59571345	67935888	20.334	20.949	
16)	M Octacosane (C28)	12.21	11.92	65802276	46663315	21.702	24.301	
17)	M Triacontane (C30	12.97	12.45	22544790	61567167	8.152	17.984	#
18)	M Hexatriacontane	16.31	15.47	8441280	13090092	3.775	16.344	#

delete

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

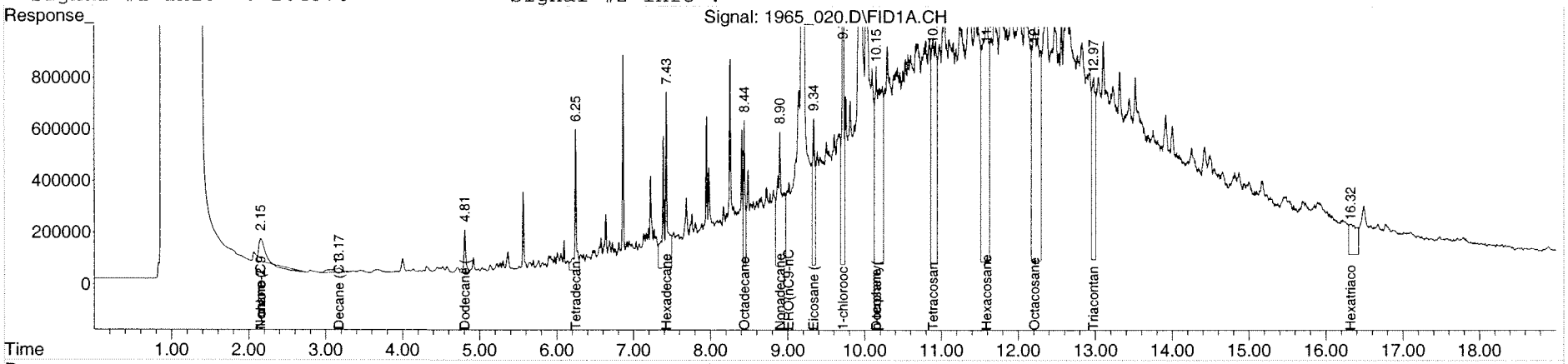
Quantitation Report (Not Reviewed)

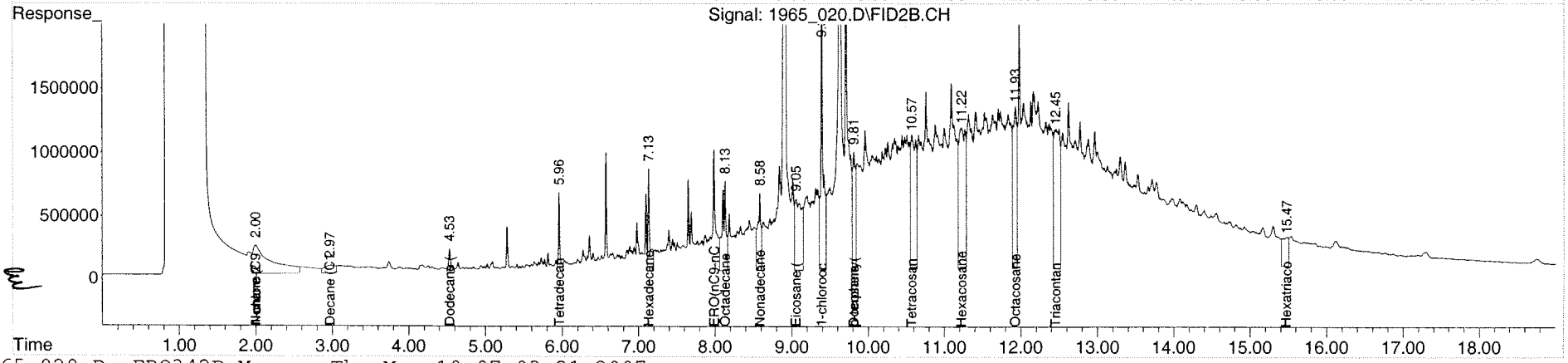
Data File : C:\MSDCHEM\1\DATA\1965\1965_020.D\FID1A.CH Vial: 20
Acq On : 09 May 2007 10:01 pm Operator: HP Demo
Sample : A768806 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_020.D\FID2B.CH Vial: 20
Acq On : 09 May 2007 10:26 pm Operator: HP Demo
Sample : A768806 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_021.D\FID1A.CH Vial: 21
Acq On : 09 May 2007 10:26 pm Operator: HP Demo
Sample : A768807 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_021.D\FID2B.CH Vial: 21
Acq On : 09 May 2007 10:51 pm Operator: HP Demo
Sample : A768807 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:23 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.16	2.00	2250204	62271750	3.020	29.023	#
	Spiked Amount 10.000			Recovery	=	30.20%	290.23%	
2)	S 1-chlorooctadeca	9.71	9.39	18564540	21764684	16.388	17.223	
	Spiked Amount 20.000			Recovery	=	81.94%	86.11%	
3)	S p-terphenyl	10.25	9.84	3143224	1917173	1.620	0.901	#
	Spiked Amount 10.000			Recovery	=	16.20%	9.01%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	462.2E6	474.0E6	168.558	149.751	
5)	M Nonane (C9)	2.16	2.00	2250204	62271750	1.537	7.735	#
6)	M Decane (C10)	3.09	3.00	969651	20849164	0.296	2.311	#
7)	M Dodecane (C12)	0.00	4.54	0	778921	N.D.	0.207	#
8)	M Tetradecane (C14	6.67f	6.36f	1163413	772102	0.408	0.241	#
9)	M Hexadecane (C16)	7.44	0.00	359311	0	0.124	N.D.	#
10)	M Octadecane (C18)	8.51	8.13	2777057	828164	0.916	0.253	#
11)	M Nonadecane (C19)	8.90	8.58	2470990	835864	0.830	0.256	#
12)	M Eicosane (C20)	9.33	9.06	799490	3464769	0.269	1.064	#
13)	M Docosane (C22)	10.25	9.84	3143224	1917173	1.044	0.576	#
14)	M Tetracosane (C24	10.89	10.56	3250517	2320295	1.084	0.702	#
15)	M Hexacosane (C26)	11.58	11.24	7698373	18472385	2.628	5.696	#
16)	M Octacosane (C28)	12.20	11.97	12957219	12726107	4.273	6.628	#
17)	M Triacontane (C30	12.90	12.42	7369180	20637550	2.665	6.028	#
18)	M Hexatriacontane	16.31	15.52	913079	6582374	0.408	8.219	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

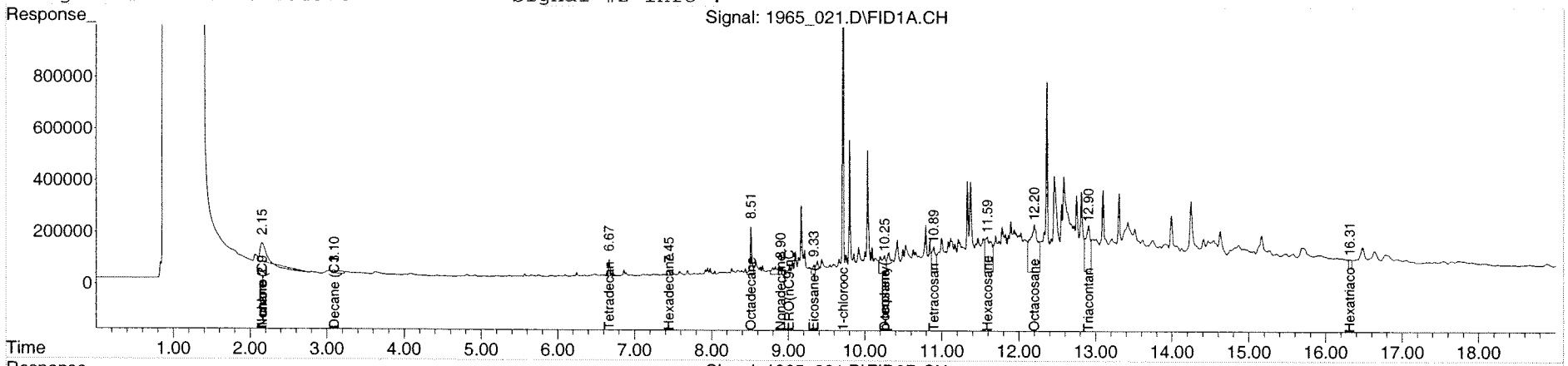
Quantitation Report (Not Reviewed)

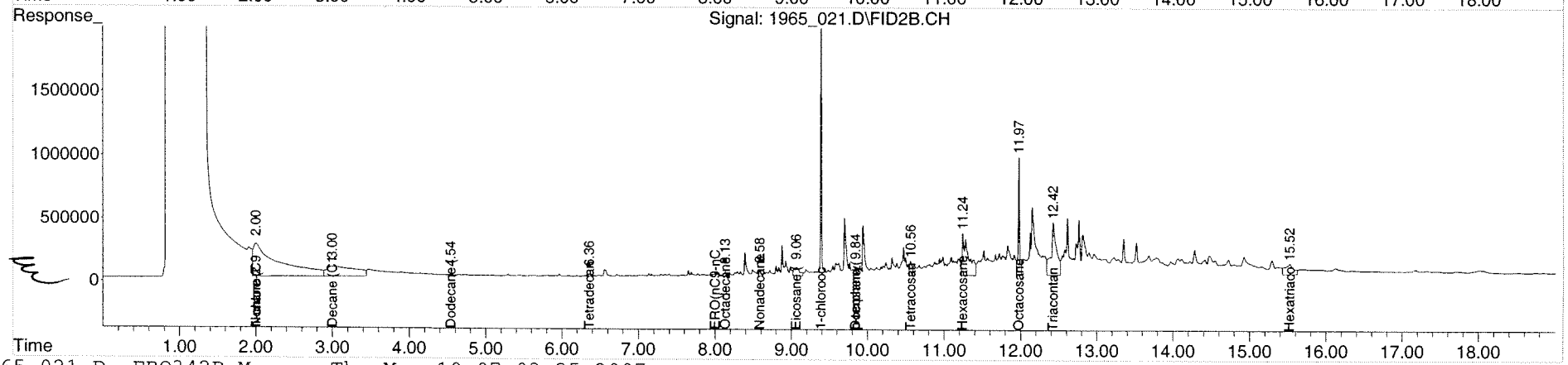
Data File : C:\MSDCHEM\1\DATA\1965\1965_021.D\FID1A.CH Vial: 21
Acq On : 09 May 2007 10:26 pm Operator: HP Demo
Sample : A768807 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_021.D\FID2B.CH Vial: 21
Acq On : 09 May 2007 10:51 pm Operator: HP Demo
Sample : A768807 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_022.D\FID1A.CH Vial: 22
Acq On : 09 May 2007 10:51 pm Operator: HP Demo
Sample : A768808 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_022.D\FID2B.CH Vial: 22
Acq On : 09 May 2007 11:17 pm Operator: HP Demo
Sample : A768808 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:27 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.15	2.00	4592265	30876140	6.163	14.390	#
	Spiked Amount 10.000			Recovery	=	61.63%	143.90%	
2)	S 1-chlorooctadeca	9.71	9.39	28841455	31602694	25.459	25.008	
	Spiked Amount 20.000			Recovery	=	127.30%	125.04%	
3)	S p-terphenyl	10.16	9.85	7533149	10969620	3.883	5.157	#
	Spiked Amount 10.000			Recovery	=	38.83%	51.57%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	938.6E6	1099.8E6	342.292	347.505	
5)	M Nonane (C9)	2.15	2.00	4592265	30876140	3.136	3.835	
6)	M Decane (C10)	3.17	2.99	681757	10578666	0.208	1.173	#
7)	M Dodecane (C12)	0.00	4.15f	0	727559	N.D.	0.193	#
8)	M Tetradecane (C14	6.39	0.00	720468	0	0.252	N.D.	#
9)	M Hexadecane (C16)	7.44	7.17	1708974	908868	0.590	0.285	#
10)	M Octadecane (C18)	8.44	8.13	1552240	3105045	0.512	0.948	#
11)	M Nonadecane (C19)	8.90	8.58	4378225	3926039	1.471	1.203	
12)	M Eicosane (C20)	9.33	9.05	5739615	11340152	1.930	3.481	#
13)	M Docosane (C22)	10.16	9.85	7533149	10969620	2.503	3.294	#
14)	M Tetracosane (C24	10.89	10.56	10455517	11830474	3.486	3.581	
15)	M Hexacosane (C26)	11.59	11.25	21752334	9419691	7.425	2.905	#
16)	M Octacosane (C28)	12.21	11.91	16526440	11686164	5.451	6.086	
17)	M Triacontane (C30	12.91	12.44	11130572	39389217	4.025	11.506	#
18)	M Hexatriacontane	16.34	15.45	3447937	8044000	1.542	10.044	#

dilute

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

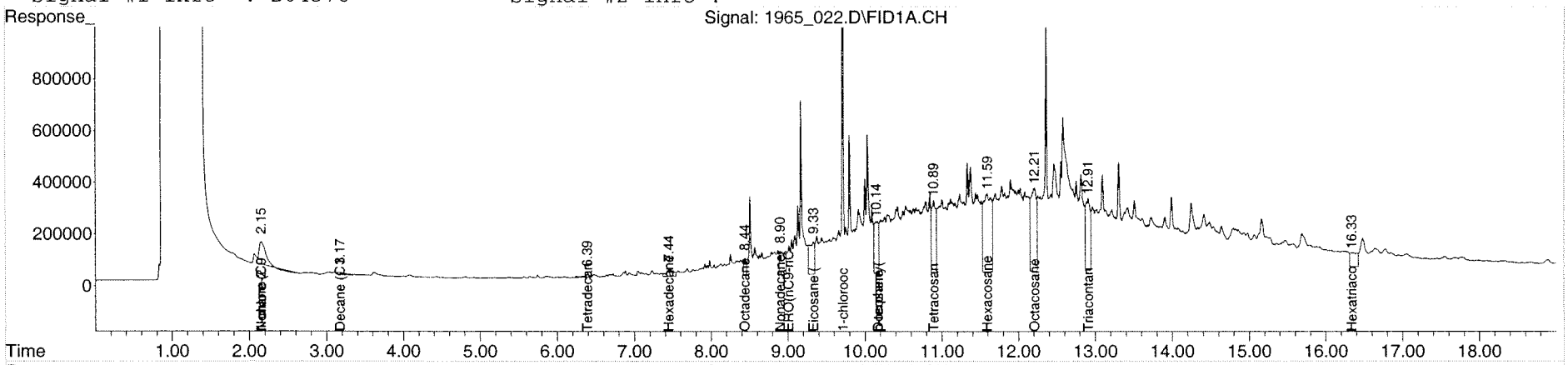
Quantitation Report (Not Reviewed)

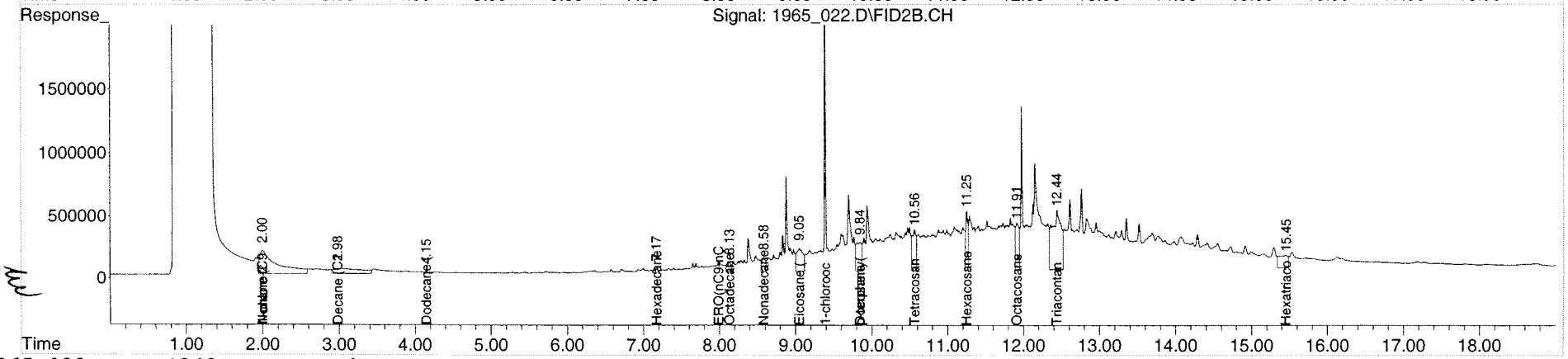
Data File : C:\MSDCHEM\1\DATA\1965\1965_022.D\FID1A.CH Vial: 22
Acq On : 09 May 2007 10:51 pm Operator: HP Demo
Sample : A768808 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_022.D\FID2B.CH Vial: 22
Acq On : 09 May 2007 11:17 pm Operator: HP Demo
Sample : A768808 FID S1193 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_023.D\FID1A.CH Vial: 23
Acq On : 09 May 2007 11:17 pm Operator: HP Demo
Sample : A768~~790~~ FID S1993 Inst : Instrumen
Misc : 789 5/10/07 Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_023.D\FID2B.CH Vial: 23
Acq On : 09 May 2007 11:42 pm Operator: HP Demo
Sample : A768~~790~~ FID S1993 Inst : Instrumen
Misc : 789 Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:31 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.00	0	26197821	N.D.	12.210	#
	Spiked Amount 10.000			Recovery	=	0.00%	122.10%	
2)	S 1-chlorooctadeca	9.71	9.39	26440094	27376797	23.340	21.664	
	Spiked Amount 20.000			Recovery	=	116.70%	108.32%	
3)	S p-terphenyl	10.14	9.85	1616416	4356573	0.833	2.048	#
	Spiked Amount 10.000			Recovery	=	8.33%	20.48%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	471.0E6	545.0E6	171.763	172.192	
5)	M Nonane (C9)	0.00	2.00	0	26197821	N.D.	3.254	#
6)	M Decane (C10)	3.10	2.99	1903988	11569460	0.581	1.283	#
7)	M Dodecane (C12)	0.00	4.15f	0	1238456	N.D.	0.329	#
8)	M Tetradecane (C14	6.40	0.00	649837	0	0.228	N.D.	#
9)	M Hexadecane (C16)	7.44	7.59f	419004	804816	0.145	0.253	#
10)	M Octadecane (C18)	8.44	8.13	1118266	1364336	0.369	0.417	
11)	M Nonadecane (C19)	8.83	8.58	3074218	947559	1.033	0.290	#
12)	M Eicosane (C20)	9.37	9.04	2122868	2776964	0.714	0.852	
13)	M Docosane (C22)	10.14	9.85	1616416	4356573	0.537	1.308	#
14)	M Tetracosane (C24	10.89	10.56	13508195	6759024	4.503	2.046	#
15)	M Hexacosane (C26)	11.59	11.20	5864862	5377511	2.002	1.658	
16)	M Octacosane (C28)	12.20	11.97	7092700	14648194	2.339	7.629	#
17)	M Triacontane (C30	12.89	12.41	6289764	12933273	2.274	3.778	#
18)	M Hexatriacontane	16.33	15.52	1836501	9298953	0.821	11.610	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

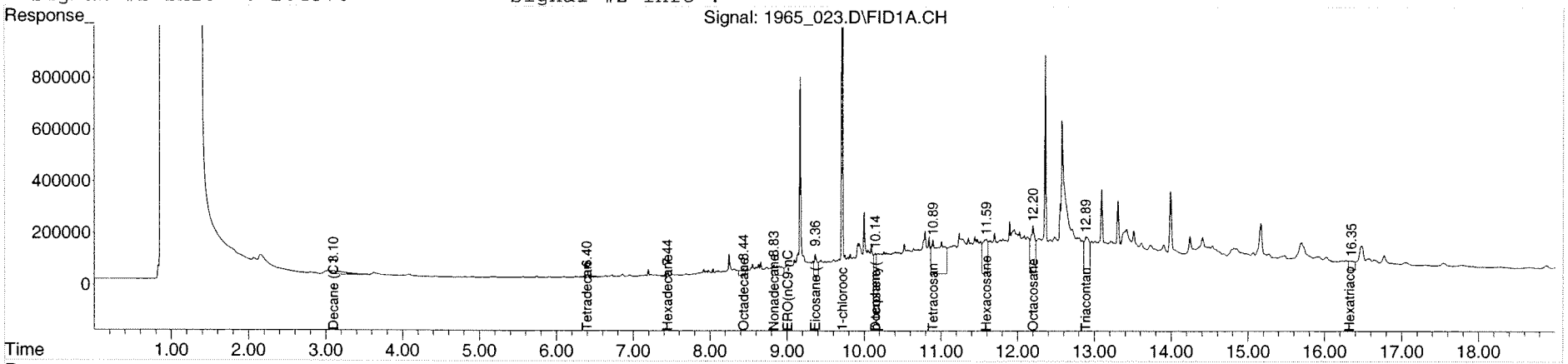
Quantitation Report (Not Reviewed)

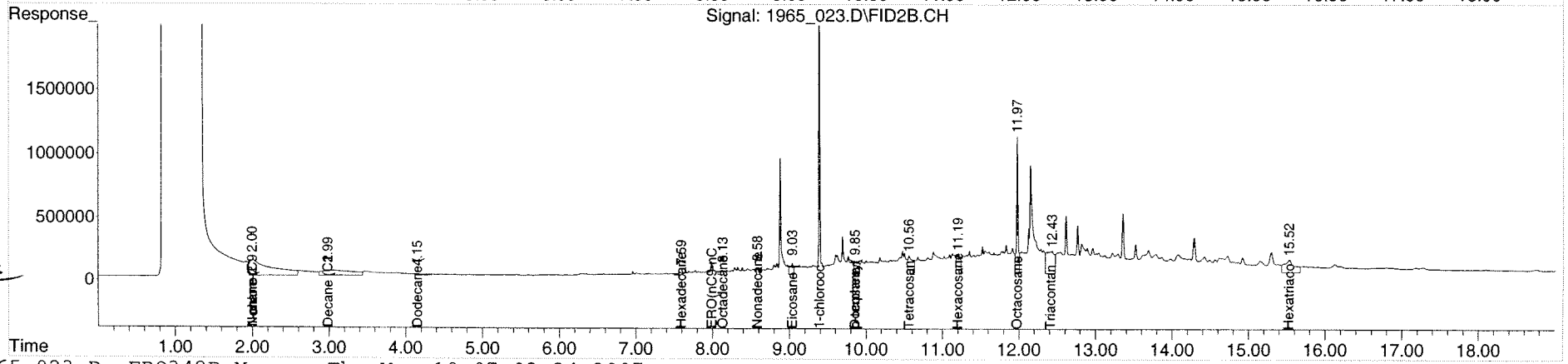
Data File : C:\MSDCHEM\1\DATA\1965\1965_023.D\FID1A.CH Vial: 23
Acq On : 09 May 2007 11:17 pm Operator: HP Demo
Sample : A768~~790~~ FID S1993 Inst : Instrumen
Misc : 789 Multiplr: 1.00
IntFile : EVENTS.E MJH 5/15/07 2x

Data File : C:\MSDCHEM\1\DATA\1965\1965_023.D\FID2B.CH Vial: 23
Acq On : 09 May 2007 11:42 pm Operator: HP Demo
Sample : A768~~790~~ FID S1993 Inst : Instrumen
Misc : 789 Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_024.D\FID1A.CH Vial: 24
Acq On : 09 May 2007 11:42 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_024.D\FID2B.CH Vial: 24
Acq On : 10 May 2007 12:08 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:35 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000			Recovery	=	0.00%	0.00%	
3)	S p-terphenyl	10.39	0.00	441710	0	0.228	N.D.	#
	Spiked Amount 10.000			Recovery	=	2.28%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	70829510	59173200	25.831	18.696	#
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	10.39	0.00	441710	0	0.147	N.D.	#
14)	M Tetracosane (C24	10.84	11.06f	1174962	1634344	0.392	0.495	#
15)	M Hexacosane (C26)	11.44	11.35	1409403	1563405	0.481	0.482	
16)	M Octacosane (C28)	12.21	11.91	1170148	1559061	0.386	0.812	#
17)	M Triacontane (C30	12.92	12.41	551829	1778148	0.200	0.519	#
18)	M Hexatriacontane	16.33	15.49	1441930	4097416	0.645	5.116	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

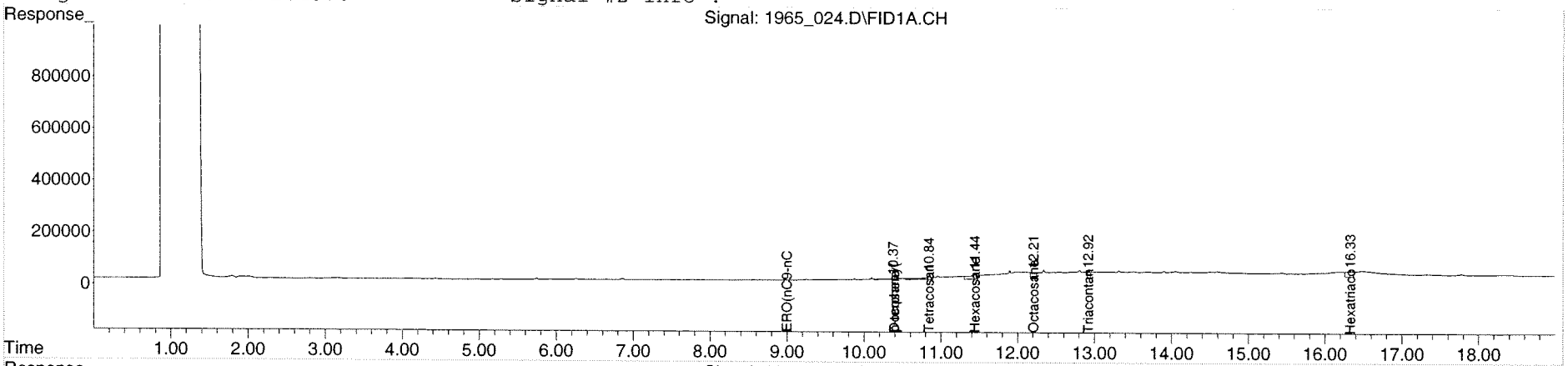
Quantitation Report (Not Reviewed)

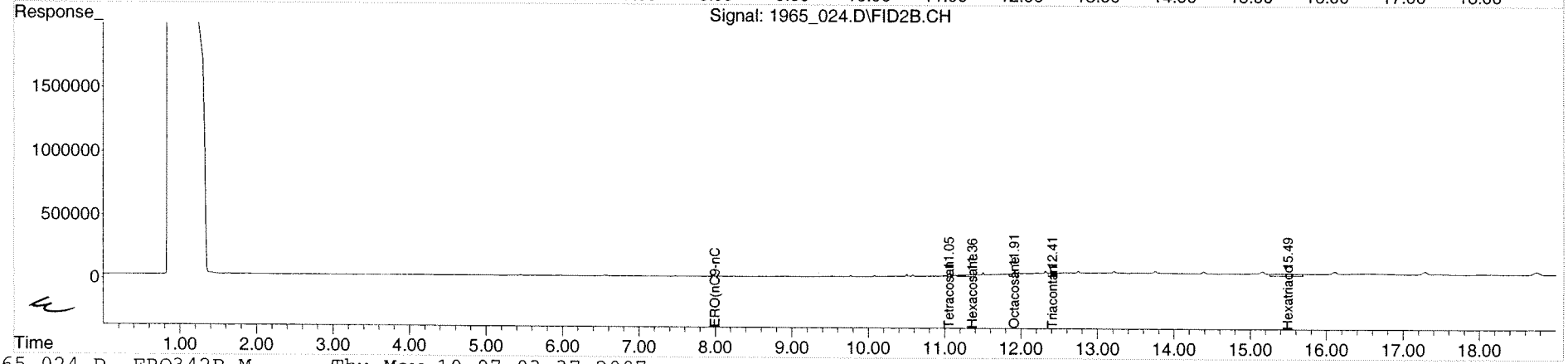
Data File : C:\MSDCHEM\1\DATA\1965\1965_024.D\FID1A.CH Vial: 24
Acq On : 09 May 2007 11:42 pm Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_024.D\FID2B.CH Vial: 24
Acq On : 10 May 2007 12:08 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_025.D\FID1A.CH Vial: 25
Acq On : 10 May 2007 12:08 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_025.D\FID2B.CH Vial: 25
Acq On : 10 May 2007 12:33 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:03:38 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 20.000			Recovery	=	0.00%	0.00%	
3)	S p-terphenyl	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	40729087	43607781	14.853	13.778	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	0.00	0.00	0	0	N.D.	N.D.	
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	0.00	0.00	0	0	N.D.	N.D.	
12)	M Eicosane (C20)	0.00	0.00	0	0	N.D.	N.D.	
13)	M Docosane (C22)	0.00	0.00	0	0	N.D.	N.D.	
14)	M Tetracosane (C24	10.84	0.00	403773	0	0.135	N.D.	#
15)	M Hexacosane (C26)	11.57	11.50f	545512	1163541	0.186	0.359	#
16)	M Octacosane (C28)	12.25	11.91	579445	2380078	0.191	1.240	#
17)	M Triacontane (C30	12.89	12.41	1415461	1075193	0.512	0.314	#
18)	M Hexatriacontane	16.19	15.44	2468849	4357024	1.104	5.440	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

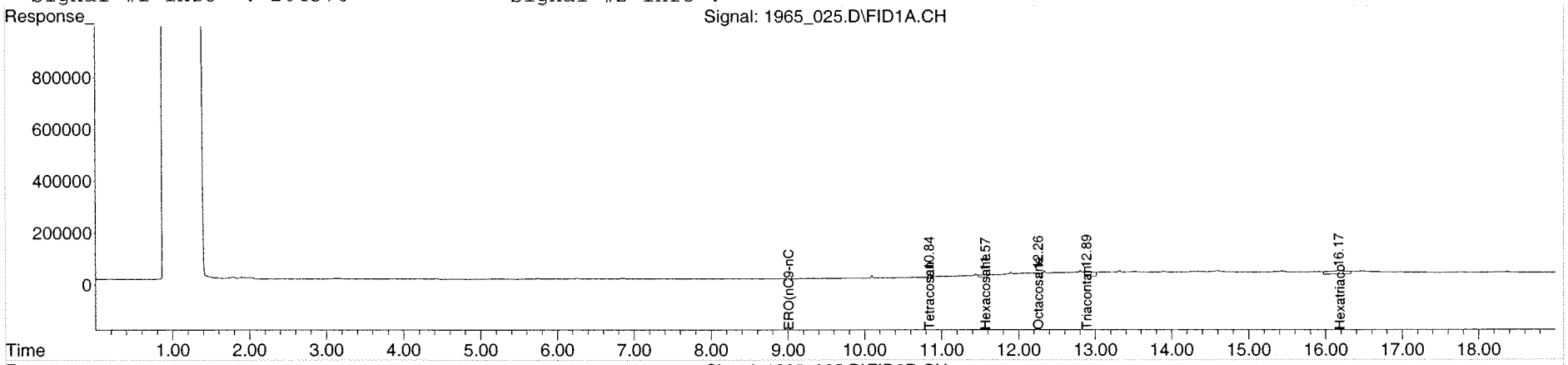
Quantitation Report (Not Reviewed)

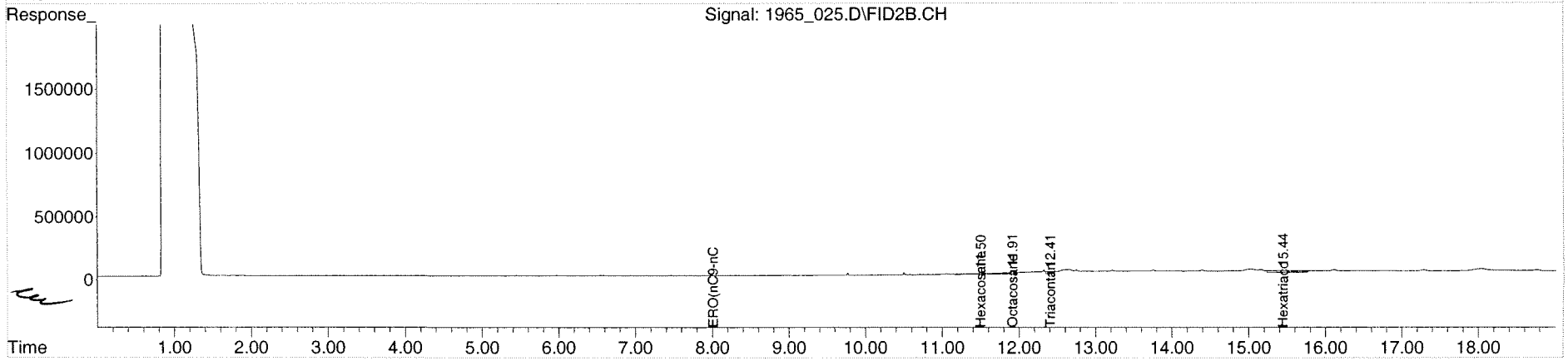
Data File : C:\MSDCHEM\1\DATA\1965\1965_025.D\FID1A.CH Vial: 25
Acq On : 10 May 2007 12:08 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_025.D\FID2B.CH Vial: 25
Acq On : 10 May 2007 12:33 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:03 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_026.D\FID1A.CH Vial: 26
Acq On : 10 May 2007 12:33 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_026.D\FID2B.CH Vial: 26
Acq On : 10 May 2007 12:58 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:46:30 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1) S	1-chloro-2-flour	2.15	1.99	14947140	15960275	20.058	7.439	#
Spiked Amount	10.000			Recovery	=	200.58%	74.39%	
2) S	1-chlorooctadeca	9.71	9.39	21891221	24288130	19.324	19.220	
Spiked Amount	20.000			Recovery	=	96.62%	96.10%	
3) S	p-terphenyl	10.14	9.81	19564295	21973108	10.083	10.330	
Spiked Amount	10.000			Recovery	=	100.83%	103.30%	
	Target Compounds							
4) H,T	ERO(nC9-nC36)	9.00	8.00	264.9E6	304.5E6	96.596	96.202	
5) M	Nonane (C9)	2.38	2.18	21513324	34812608	14.691	4.324	#
6) M	Decane (C10)	3.17	2.93	26626249	34530162	8.124	3.828	#
7) M	Dodecane (C12)	4.81	4.53	18509759	21374728	6.751	5.672	
8) M	Tetradecane (C14	6.25	5.96	18474119	20610142	6.472	6.435	
9) M	Hexadecane (C16)	7.43	7.13	18662781	20736338	6.441	6.513	
10) M	Octadecane (C18)	8.44	8.13	19005361	21085772	6.270	6.440	
11) M	Nonadecane (C19)	8.90	8.58	19067394	21044270	6.404	6.451	
12) M	Eicosane (C20)	9.33	9.01	19052793	21154294	6.407	6.494	
13) M	Docosane (C22)	10.14	9.81	19564295	21973108	6.501	6.597	
14) M	Tetracosane (C24	10.89	10.53	19885182	22060777	6.629	6.677	
15) M	Hexacosane (C26)	11.57	11.20	19484830	21557118	6.651	6.647	
16) M	Octacosane (C28)	12.22	11.91	19889723	1106647	6.560	0.576	#
17) M	Triacontane (C30	12.91	12.43	17863123	21218027	6.459	6.198	
18) M	Hexatriacontane	16.27	15.39	15709966	2205760	7.025	2.754	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

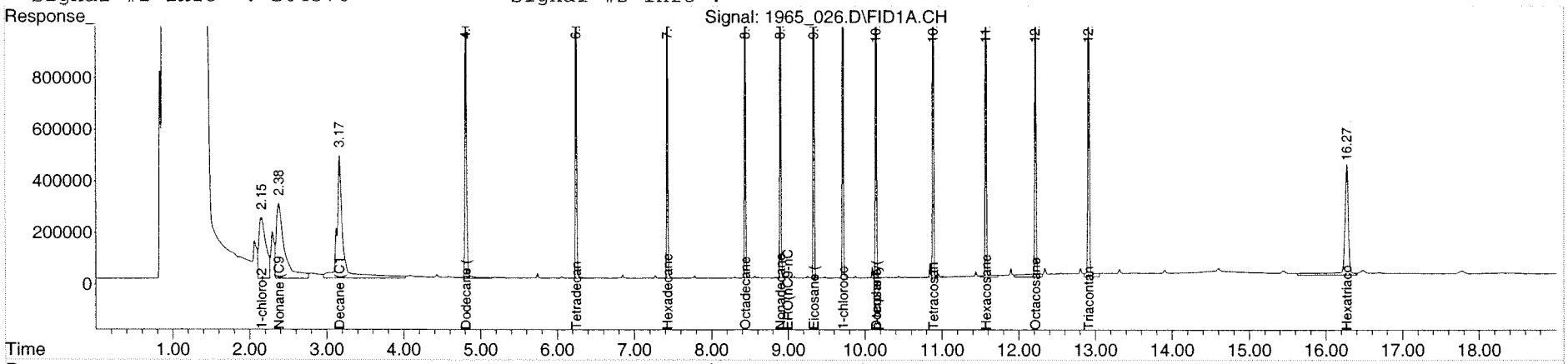
Quantitation Report (Not Reviewed)

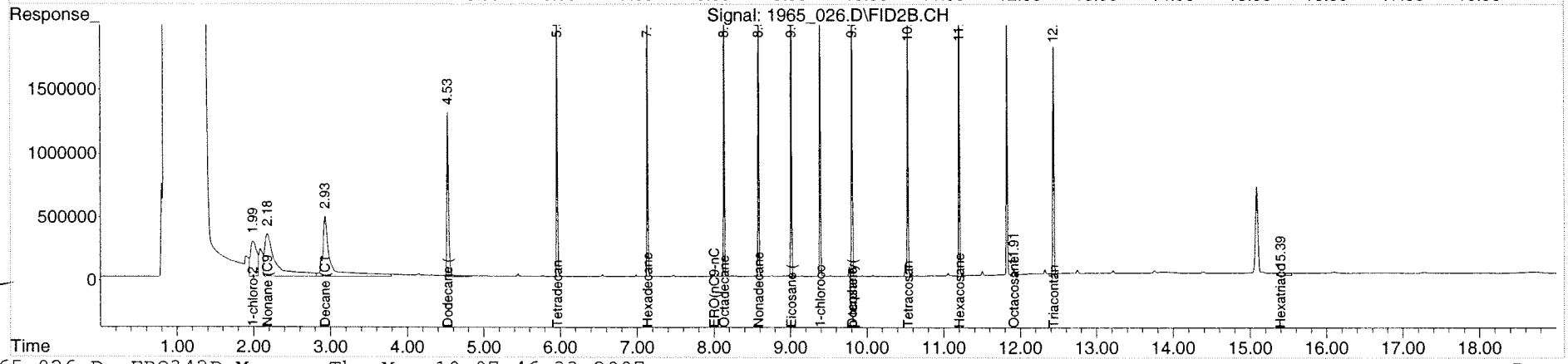
Data File : C:\MSDCHEM\1\DATA\1965\1965_026.D\FID1A.CH Vial: 26
Acq On : 10 May 2007 12:33 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_026.D\FID2B.CH Vial: 26
Acq On : 10 May 2007 12:58 am Operator: HP Demo
Sample : B634 ERO Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:46 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_033.D\FID1A.CH Vial: 33
Acq On : 10 May 2007 3:31 am Operator: HP Demo
Sample : A768806 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_033.D\FID2B.CH Vial: 33
Acq On : 10 May 2007 3:56 am Operator: HP Demo
Sample : A768806 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:04:11 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	9.71	9.39	6394979	6834143	5.645	5.408	
	Spiked Amount 20.000			Recovery	=	28.23%	27.04%	
3)	S p-terphenyl	10.14	9.80	1745366	5950850	0.900	2.798	#
	Spiked Amount 10.000			Recovery	=	9.00%	27.98%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	272.6E6	326.6E6	99.417	103.184	
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	3.09	3.00	2075115	16845495	0.633	1.867	#
7)	M Dodecane (C12)	0.00	4.55	0	718773	N.D.	0.191	#
8)	M Tetradecane (C14	6.25	5.97	671615	783376	0.235	0.245	
9)	M Hexadecane (C16)	7.43	7.14	1129705	2303026	0.390	0.723	#
10)	M Octadecane (C18)	8.44	8.13	1615158	1666708	0.533	0.509	
11)	M Nonadecane (C19)	8.90	8.58	1461382	1337677	0.491	0.410	
12)	M Eicosane (C20)	9.33	9.05	1214132	2236063	0.408	0.686	#
13)	M Docosane (C22)	10.14	9.80	1745366	5950850	0.580	1.787	#
14)	M Tetracosane (C24	10.89	10.56	4389200	7880828	1.463	2.385	#
15)	M Hexacosane (C26)	11.59	11.20	4437726	4740796	1.515	1.462	
16)	M Octacosane (C28)	12.21	11.92	5199420	5184937	1.715	2.700	#
17)	M Triacontane (C30	12.96	12.48	2299269	2921528	0.831	0.853	
18)	M Hexatriacontane	16.32	15.45	374294	820639	0.167	1.025	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

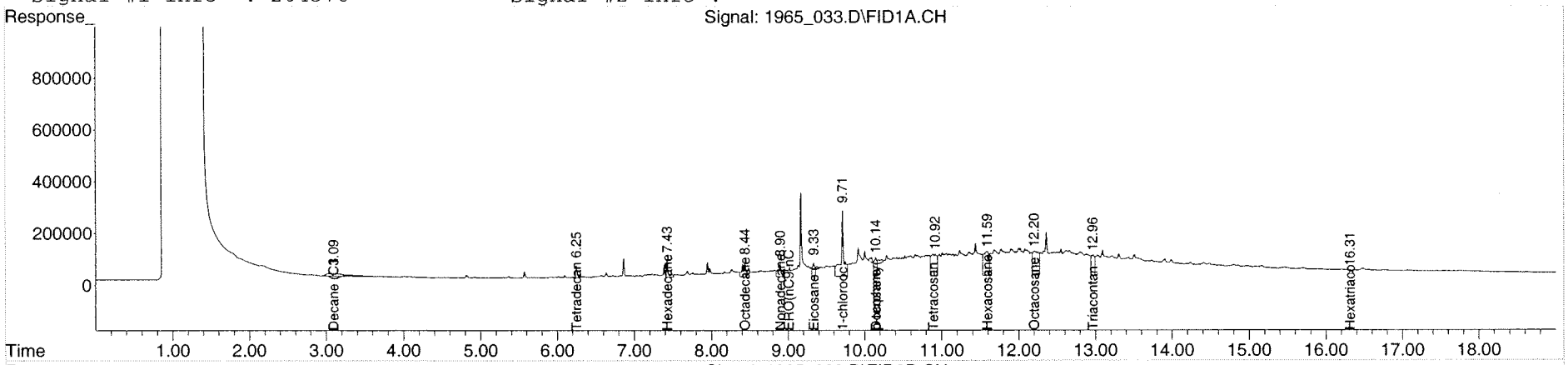
Quantitation Report (Not Reviewed)

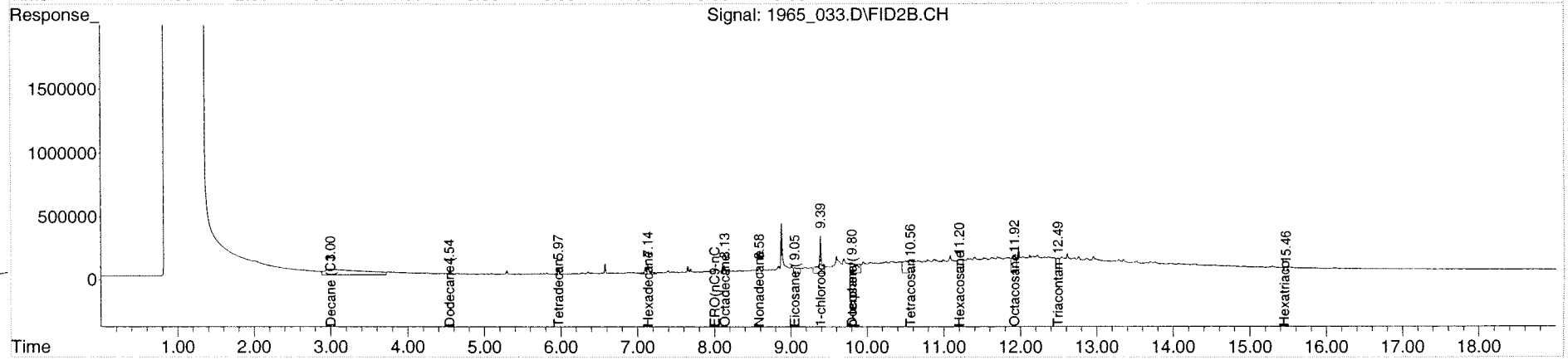
Data File : C:\MSDCHEM\1\DATA\1965\1965_033.D\FID1A.CH Vial: 33
Acq On : 10 May 2007 3:31 am Operator: HP Demo
Sample : A768806 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_033.D\FID2B.CH Vial: 33
Acq On : 10 May 2007 3:56 am Operator: HP Demo
Sample : A768806 1:10 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:04 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_034.D\FID1A.CH Vial: 34
Acq On : 10 May 2007 3:56 am Operator: HP Demo
Sample : A768808 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_034.D\FID2B.CH Vial: 34
Acq On : 10 May 2007 4:22 am Operator: HP Demo
Sample : A768808 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:04:15 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	2.00	0	54415292	N.D.	25.361	#
	Spiked Amount 10.000			Recovery	=	0.00%	253.61%	
2)	S 1-chlorooctadeca	9.71	9.39	15882817	16905356	14.020	13.378	
	Spiked Amount 20.000			Recovery	=	70.10%	66.89%	
3)	S p-terphenyl	10.14	9.81	3724552	2650169	1.920	1.246	#
	Spiked Amount 10.000			Recovery	=	19.20%	12.46%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	411.4E6	505.2E6	150.026	159.622	
5)	M Nonane (C9)	0.00	2.00	0	54415292	N.D.	6.759	#
6)	M Decane (C10)	3.10	3.00	2229796	21831066	0.680	2.420	#
7)	M Dodecane (C12)	0.00	4.55	0	750961	N.D.	0.199	#
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.58	7.03	407895	763678	0.141	0.240	#
10)	M Octadecane (C18)	8.44	8.13	1180647	1132643	0.390	0.346	
11)	M Nonadecane (C19)	8.89	8.64	2316833	1430223	0.778	0.438	#
12)	M Eicosane (C20)	9.33	9.05	1302410	1466202	0.438	0.450	
13)	M Docosane (C22)	10.14	9.81	3724552	2650169	1.238	0.796	#
14)	M Tetracosane (C24	10.89	10.56	5185787	2939692	1.729	0.890	#
15)	M Hexacosane (C26)	11.59	11.24	9493141	2899701	3.240	0.894	#
16)	M Octacosane (C28)	12.21	11.97	7479974	10372499	2.467	5.402	#
17)	M Triacontane (C30	12.89	12.48	5342632	13486575	1.932	3.939	#
18)	M Hexatriacontane	16.26	15.45	1192607	1605315	0.533	2.004	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

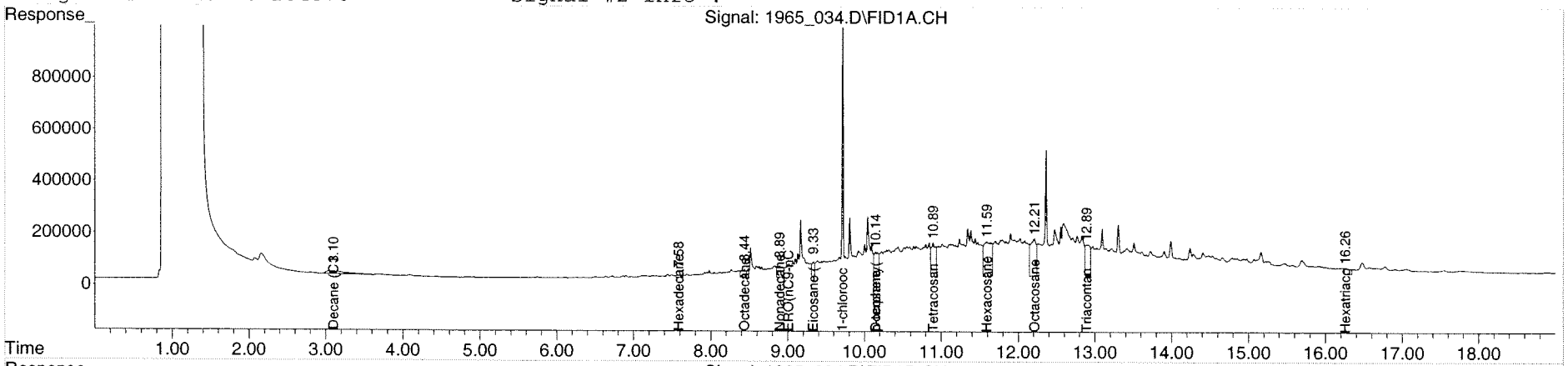
Quantitation Report (Not Reviewed)

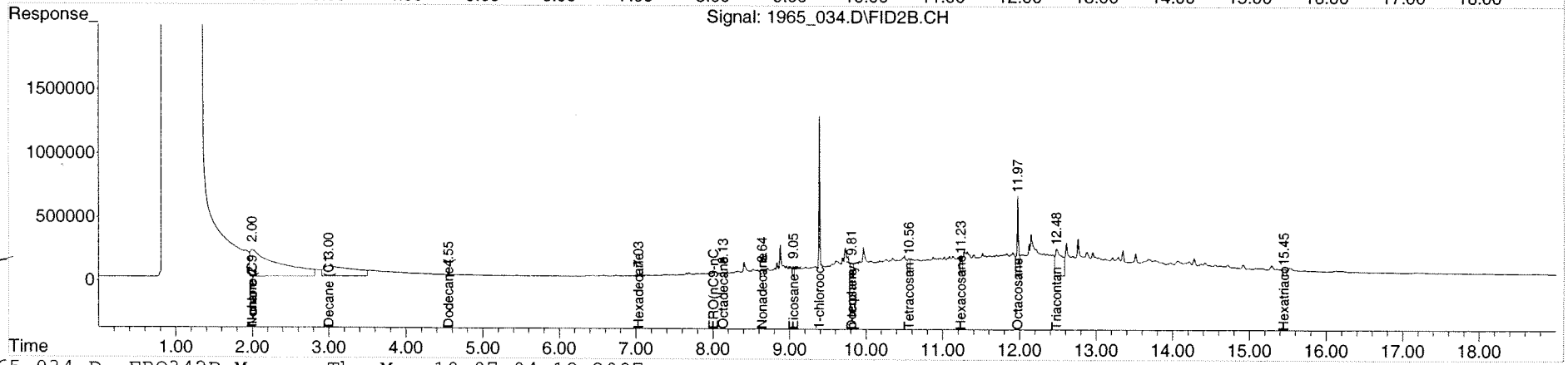
Data File : C:\MSDCHEM\1\DATA\1965\1965_034.D\FID1A.CH Vial: 34
Acq On : 10 May 2007 3:56 am Operator: HP Demo
Sample : A768808 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_034.D\FID2B.CH Vial: 34
Acq On : 10 May 2007 4:22 am Operator: HP Demo
Sample : A768808 1:2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:04 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_039.D\FID1A.CH Vial: 39
Acq On : 10 May 2007 6:03 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_039.D\FID2B.CH Vial: 39
Acq On : 10 May 2007 6:28 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:04:35 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	0.00	0.00	0	0	N.D.	N.D.	
	Spiked Amount 10.000			Recovery	=	0.00%	0.00%	
2)	S 1-chlorooctadeca	9.87	0.00	1149053	0	1.014	N.D.	#
	Spiked Amount 20.000			Recovery	=	5.07%	0.00%	
3)	S p-terphenyl	10.09	0.00	587572	0	0.303	N.D.	#
	Spiked Amount 10.000			Recovery	=	3.03%	0.00%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	135.2E6	100.8E6	49.315	31.854	#
5)	M Nonane (C9)	0.00	0.00	0	0	N.D.	N.D.	
6)	M Decane (C10)	0.00	0.00	0	0	N.D.	N.D.	
7)	M Dodecane (C12)	0.00	0.00	0	0	N.D.	N.D.	
8)	M Tetradecane (C14	0.00	0.00	0	0	N.D.	N.D.	
9)	M Hexadecane (C16)	7.78f	0.00	353956	0	0.122	N.D.	#
10)	M Octadecane (C18)	0.00	0.00	0	0	N.D.	N.D.	
11)	M Nonadecane (C19)	9.25f	0.00	639592	0	0.215	N.D.	#
12)	M Eicosane (C20)	9.25	0.00	639592	0	0.215	N.D.	#
13)	M Docosane (C22)	10.09	0.00	587572	0	0.195	N.D.	#
14)	M Tetracosane (C24	10.89	10.82f	603629	1504233	0.201	0.455	#
15)	M Hexacosane (C26)	11.61	11.29	641106	2421588	0.219	0.747	#
16)	M Octacosane (C28)	12.24	11.91	2359269	3080083	0.778	1.604	#
17)	M Triacontane (C30	12.90	12.41	1951536	1417818	0.706	0.414	#
18)	M Hexatriacontane	16.33	15.48	357865	3403299	0.160	4.249	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

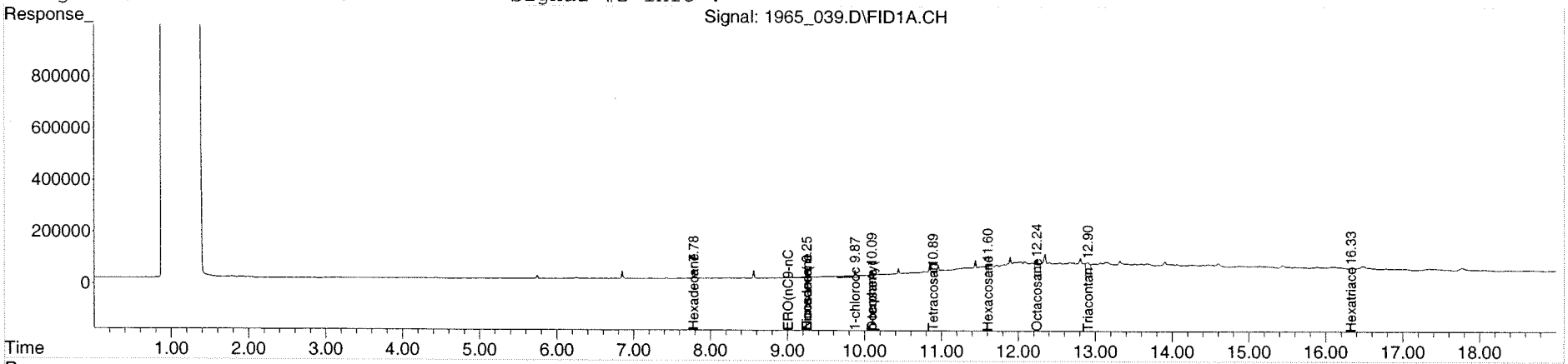
Quantitation Report (Not Reviewed)

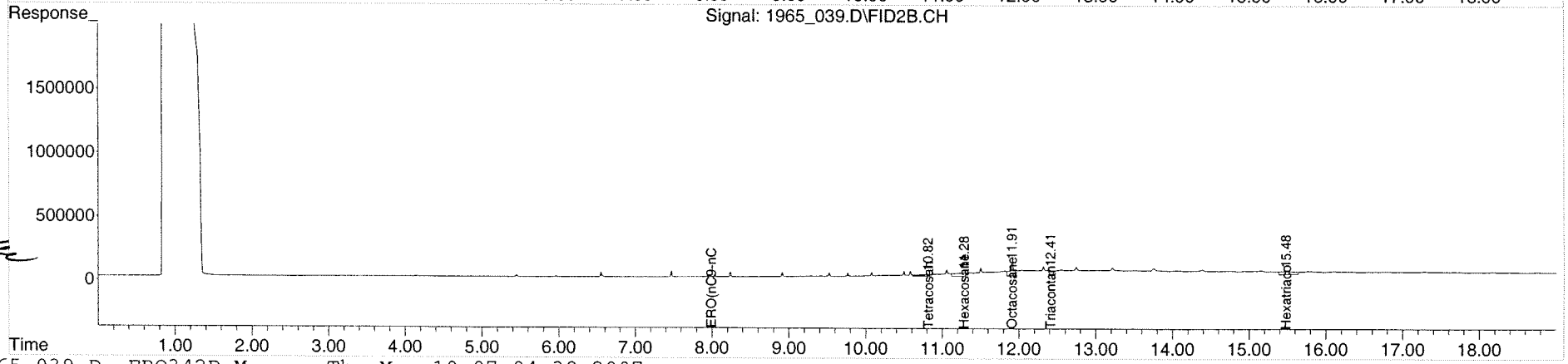
Data File : C:\MSDCHEM\1\DATA\1965\1965_039.D\FID1A.CH Vial: 39
Acq On : 10 May 2007 6:03 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_039.D\FID2B.CH Vial: 39
Acq On : 10 May 2007 6:28 am Operator: HP Demo
Sample : CS2 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:04 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_041.D\FID1A.CH Vial: 41
Acq On : 10 May 2007 6:54 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_041.D\FID2B.CH Vial: 41
Acq On : 10 May 2007 7:19 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 07:48:04 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L
System Monitoring Compounds						
1) S 1-chloro-2-flour	2.16	2.00	9942801	16621098	13.343	7.747 #
Spiked Amount 10.000			Recovery	=	133.43%	77.47%
2) S 1-chlorooctadeca	9.71	9.39	22387071	25257602	19.762	19.987
Spiked Amount 20.000			Recovery	=	98.81%	99.94%
3) S p-terphenyl	10.14	9.80	19863817	22511787	10.238	10.583
Spiked Amount 10.000			Recovery	=	102.38%	105.83%
Target Compounds						
4) H,T ERO(nC9-nC36)	9.00	8.00	274.1E6	301.7E6	99.971	95.316
5) M Nonane (C9)	2.38	2.19	13568799	37601575	9.266	4.671 #
6) M Decane (C10)	3.17	2.93	19733352	35830081	6.021	3.972 #
7) M Dodecane (C12)	4.81	4.53	18453273	22299458	6.730	5.918
8) M Tetradecane (C14	6.25	5.96	18865593	21505640	6.609	6.715
9) M Hexadecane (C16)	7.43	7.13	19113873	21558096	6.596	6.771
10) M Octadecane (C18)	8.44	8.13	19409847	21882121	6.404	6.683
11) M Nonadecane (C19)	8.90	8.58	19364133	21848772	6.504	6.698
12) M Eicosane (C20)	9.33	9.01	19451552	22001650	6.541	6.754
13) M Docosane (C22)	10.14	9.80	19863817	22511787	6.600	6.759
14) M Tetracosane (C24	10.89	10.53	19886744	22420347	6.630	6.786
15) M Hexacosane (C26)	11.57	11.20	20410645	22427064	6.967	6.916
16) M Octacosane (C28)	12.22	11.91	19477387	1123175	6.424	0.585 #
17) M Triacontane (C30	12.91	12.43	18366454	22405778	6.641	6.545
18) M Hexatriacontane	16.27	15.39	15385467	2539138	6.880	3.170 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

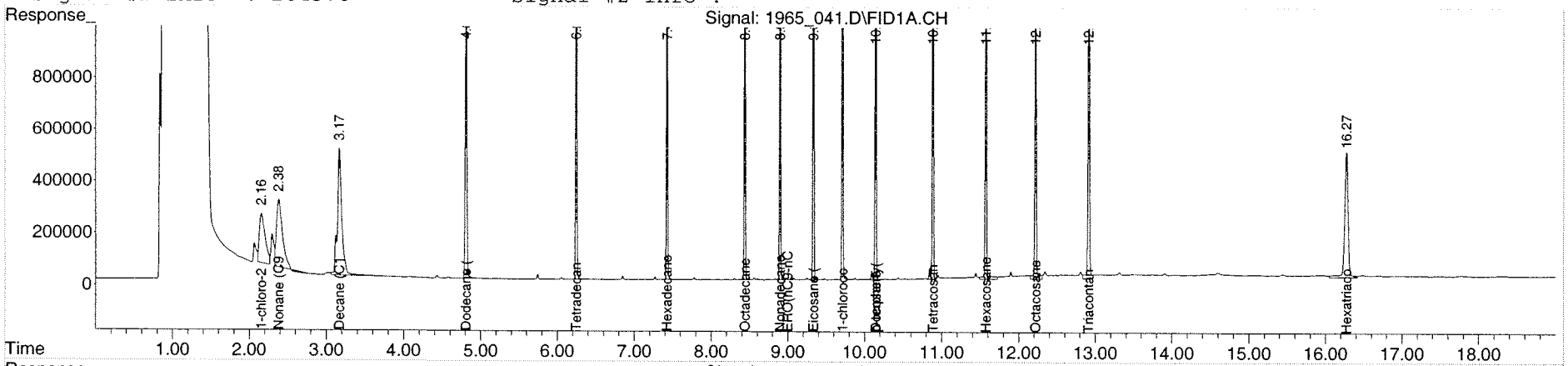
Quantitation Report (Not Reviewed)

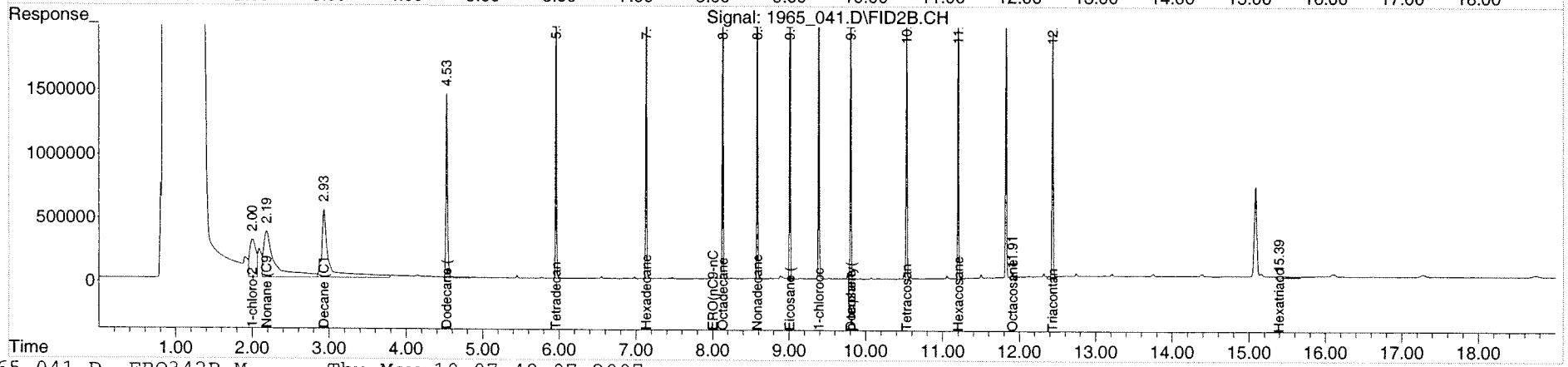
Data File : C:\MSDCHEM\1\DATA\1965\1965_041.D\FID1A.CH Vial: 41
Acq On : 10 May 2007 6:54 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_041.D\FID2B.CH Vial: 41
Acq On : 10 May 2007 7:19 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 10 7:48 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\1965\1965_042.D\FID1A.CH Vial: 42
Acq On : 10 May 2007 7:19 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_042.D\FID2B.CH Vial: 42
Acq On : 10 May 2007 7:45 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 11 08:04:02 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Initial Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/L	mg/L	
	System Monitoring Compounds							
1)	S 1-chloro-2-flour	2.16	2.00	9275363	17295641	12.447	8.061	#
	Spiked Amount 10.000			Recovery	=	124.47%	80.61%	
2)	S 1-chlorooctadeca	9.71	9.39	22624482	25383948	19.971	20.087	
	Spiked Amount 20.000			Recovery	=	99.86%	100.44%	
3)	S p-terphenyl	10.14	9.80	19926892	22479017	10.270	10.568	
	Spiked Amount 10.000			Recovery	=	102.70%	105.68%	
	Target Compounds							
4)	H,T ERO(nC9-nC36)	9.00	8.00	263.9E6	292.2E6	96.224	92.314	
5)	M Nonane (C9)	2.38	2.18	10216300	37366222	6.977	4.641	#
6)	M Decane (C10)	3.17	2.93	20545337	35789407	6.269	3.967	#
7)	M Dodecane (C12)	4.81	4.53	18630858	22560798	6.795	5.987	
8)	M Tetradecane (C14	6.25	5.96	19090743	21661681	6.688	6.763	
9)	M Hexadecane (C16)	7.43	7.13	19313320	21684744	6.665	6.811	
10)	M Octadecane (C18)	8.44	8.13	19629478	22054382	6.476	6.736	
11)	M Nonadecane (C19)	8.90	8.58	19630742	22098212	6.593	6.774	
12)	M Eicosane (C20)	9.33	9.01	19672467	22102650	6.615	6.785	
13)	M Docosane (C22)	10.14	9.80	19926892	22479017	6.621	6.749	
14)	M Tetracosane (C24	10.89	10.53	19809356	22584122	6.604	6.836	
15)	M Hexacosane (C26)	11.57	11.20	19881899	22508360	6.786	6.941	
16)	M Octacosane (C28)	12.22	11.91	19295018	870012	6.364	0.453	#
17)	M Triacontane (C30	12.91	12.43	18287515	22091606	6.613	6.453	
18)	M Hexatriacontane	16.27	15.39	14956715	4160184	6.688	5.194	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

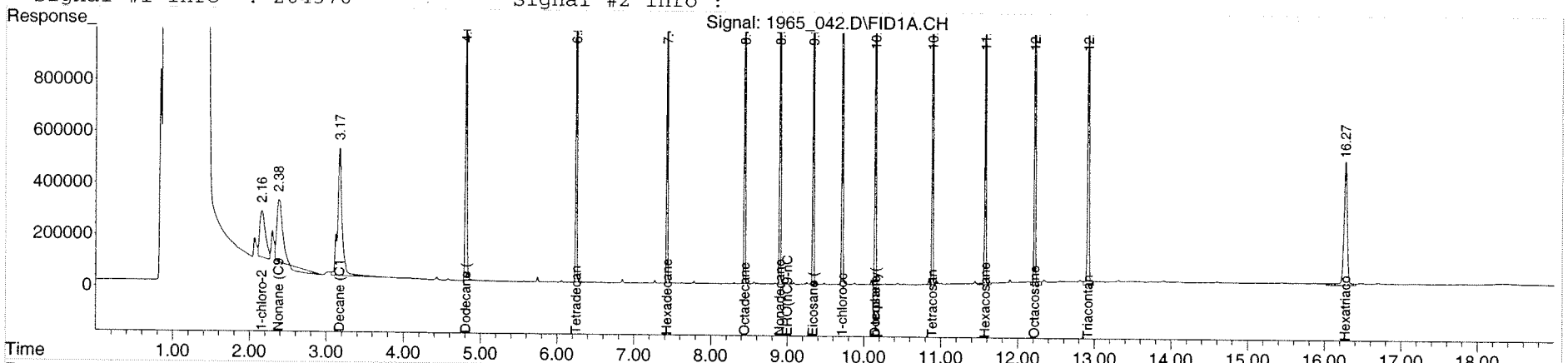
Quantitation Report (Not Reviewed)

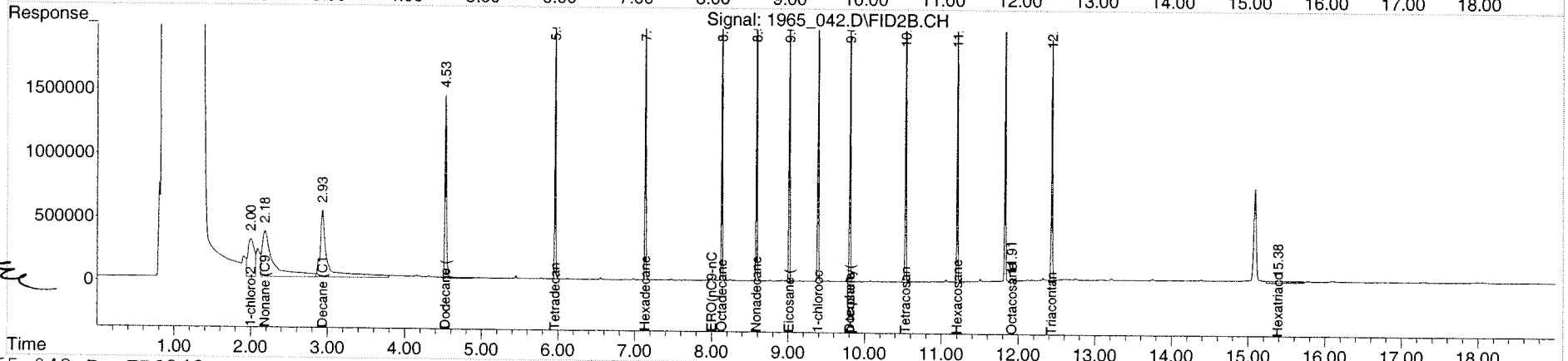
Data File : C:\MSDCHEM\1\DATA\1965\1965_042.D\FID1A.CH Vial: 42
Acq On : 10 May 2007 7:19 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Data File : C:\MSDCHEM\1\DATA\1965\1965_042.D\FID2B.CH Vial: 42
Acq On : 10 May 2007 7:45 am Operator: HP Demo
Sample : B634 L-4 Inst : Instrumen
Misc : Multiplr: 1.00
IntFile : events2.e
Quant Time: May 11 8:04 2007 Quant Results File: ERO342B.RES

Quant Method : C:\MSDCHEM\1\METHODS\ERO342B.M (Chemstation Integrator)
Title : TPH Scan
Last Update : Fri Apr 27 09:21:14 2007
Response via : Multiple Level Calibration
DataAcq Meth : ERO342.M

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLP2 Signal #2 Phase: DB-5
Signal #1 Info : 204376 Signal #2 Info :





CASE NARRATIVE
GC GROUP
GRO ANALYSIS
METHOD SW846-8015b, 5030

SAMPLE #	A768787	CGC-11-1	A768790	CGC-11-4
	A768788	CGC-11-2	A768791	CGC-11-5
	A768789	CGC-11-3		

These samples were analyzed according to normal procedures and all data quality acceptance criteria were satisfied.

GC Analyst

Heritage Environmental Services, LLC

File/Run # 1969

Analysis Start Date 5/10/07 Analysis Start Time 16:23 LIMS RunID

Analyst 1367 B. WOOD Reviewer CW/113 5-10-07 DE Recorder

Instr. 51 Channel 1 DE Reviewer

GC/FID/FID

L-4 CCV R Method 439 SW846-8015B Matrix S Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			2.36	mg/L	~~MG/KG~~	2.50		94.4	
3255	(TRIFLUOROMETHYL)BENZENE					78.0 %				

Analytical Comments

Dilution

1195 BLA02 R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5 ml PrepPage FS1195

PCode	Parameter	Q# 1952881	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	MG/KG				
3255	(TRIFLUOROMETHYL)BENZENE					71.2%				

Analytical Comments

Dilution 1:50

1195 LCS R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5 ml PrepPage FS1195

PCode	Parameter	Q# 1952882	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		2.13	106.5		MG/KG	125.0		85.2	
3255	(TRIFLUOROMETHYL)BENZENE					71.2%				

Analytical Comments

Dilution 1:50

A768787 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.02 Final 5 ML PrepPage FS1195

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			66.0		% Rec	

Analytical Comments

Dilution 1:50

A768787 SPI02 R Method 439 SW846-8015B Matrix 5 Initial 5.02 Final 5 ml PrepPage FS1195

PCode	Parameter	Q# 1952883	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		2.35	117.0		MG/KG	BDL	124.5	94.0	
3255	(TRIFLUOROMETHYL)BENZENE					68.8 %				

Analytical Comments

Dilution 1:50

A768787 DPS02 R Method 439 SW846-8015B Matrix 5 Initial 5.17 Final 5 ml PrepPage FS1195

PCode	Parameter	Q# 1952884	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		2.28	110.3		MG/KG	BDL	120.9	91.2	3.0
3255	(TRIFLUOROMETHYL)BENZENE					67.2 %				

Heritage Environmental Services, LLC

File/Run # 1969

A768787 DPS02 R

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD

Analytical Comments
Dilution 1:50

A768788 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.98 Final 5 ML PrepPage FS1195

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			80.4		% Rec	

Analytical Comments
Dilution 1:50

A768789 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.96 Final 5 ML PrepPage FS1195

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			~~93.4~~ 92.4		% Rec	

Analytical Comments
Dilution 1:50

A768790 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.07 Final 5 ML PrepPage FS1195

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			73.2		% Rec	

Analytical Comments
Dilution 1:50

A768791 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.06 Final 5 ML PrepPage FS1195

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			76.0		% Rec	

Analytical Comments
Dilution 1:50

A769082 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.08 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
							10

Heritage Environmental Services, LLC

File/Run # 1969

[redacted] O409.9 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie 10
3250	GASOLINE RANGE ORGANICS (GRO)	1.94	950	5.0	mg/kg	
1804	...					
971	SURROGATE RECOVERY					
972	----------					
3255	(TRIFLUOROMETHYL)BENZENE			32.0	% Rec	

Analytical Comments comment 1: surrogate recovery possibly affected by high GRO concentration

Dilution 1:500

L-4 CCV R Method 439 SW846-8015B Matrix ____ Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			2.29	mg/L	~~MG/KG~~	2.50		91.6	
3255	(TRIFLUOROMETHYL)BENZENE					73.6 %				

Analytical Comments

Dilution ____

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR GRO

LIMS R519050

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA	Q1952881	BLA02	P235.D	5-9-07	BJW / 1367	5.00 g	5 mL	E / 1023		
LCS	Q1952882	LCS				5.00 g	mL	/		
A768787	Q1952883	SPI02				5.02 g	mL	/		
A768787	Q1952884	DPS02				5.17 g	mL	/		
A768787	GGC-11-1	rep1				5.02 g	mL	/		
788	-2					4.98 g	mL	/		
789	-3					4.96 g	mL	/		
790	-4					5.07 g	mL	/		
791	-5					5.06 g	mL	/		comp 5-9-07 RLG
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		

MeCl lot#
~~MeCL2~~ lot# CS 567
CS2 lot# _____

PENTANE lot# _____
ACETONE lot# _____

Prep Page FID S-

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

GRO Reporting Limits

METHOD	SW846-8015(mod)		**Reporting Limits**
MATRIX			
WATER			
LCS (LFB)	GRO	*	**75.6-118**
MS/MSD	GRO	*	**69.1-124**
SURROGATE	Trifluoromethylbenzene		**48.6-124.8**
SOIL			
LCS (LFB)	GRO		**57.6-119**
MS/MSD	GRO		**43.1-135**
SURROGATE	Trifluoromethylbenzene		**50-150**

control chart limts were wider than those being

updated 3/2007

*=insufficient data points available

Response Factor Report HP5890

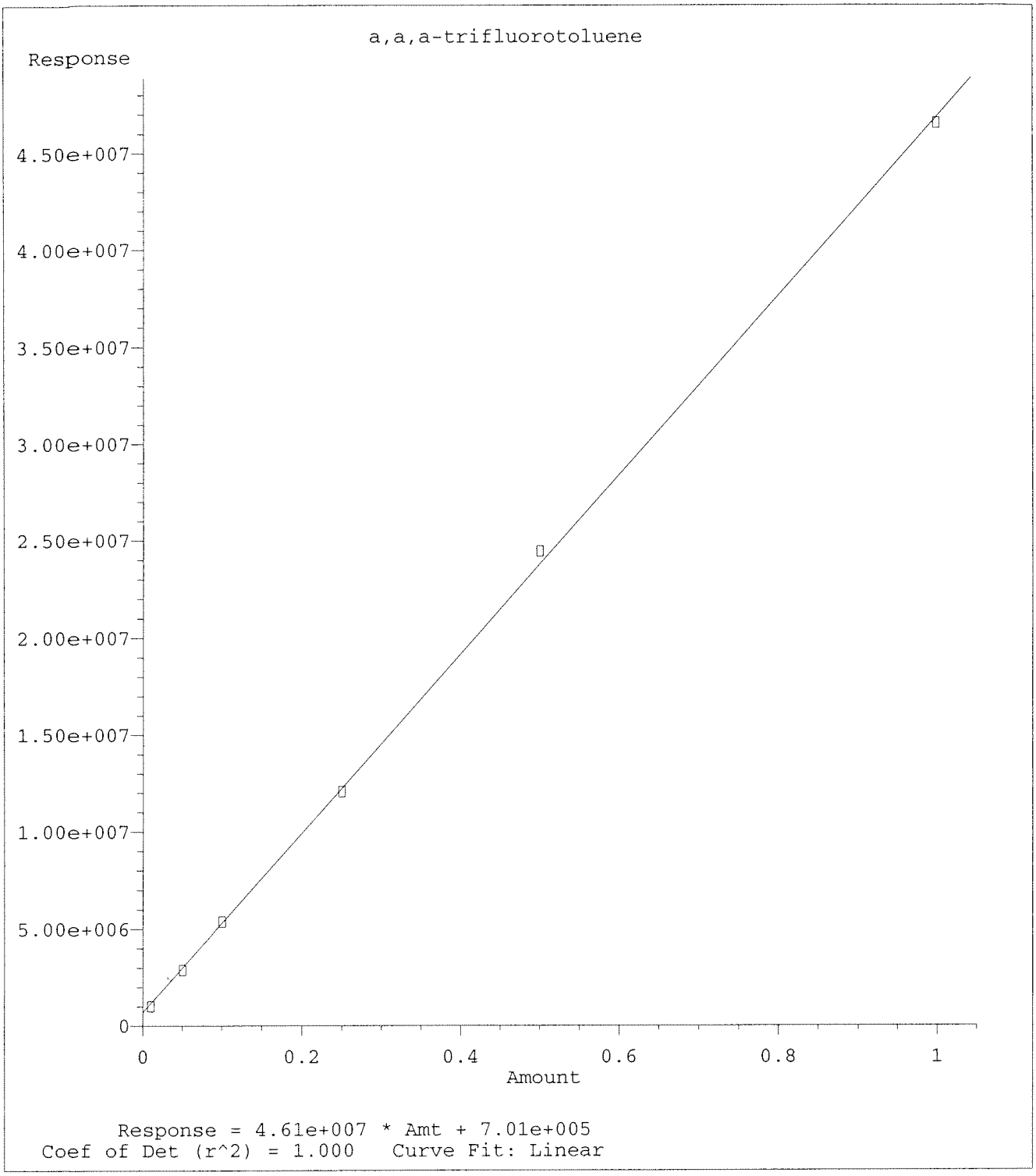
Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007

Calibration Files
L-1 =1852_002.D L-2 =1852_003.D L-3 =1852_004.D
L-4 =1852_005.D L-5 =1852_006.D L-6 =1852_007.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD	
1)	S	a,a,a-trifluorotolu	1.008	0.576	0.538	0.483	0.489	0.465	0.593	E8	34.96	r^2=1.00
2)	H	GRO (WI)	8.154	8.721	8.893	8.544	9.106	8.847	8.711	E7	3.79	
3)	M	MtBE	4.215	6.589	6.612	6.289	6.803	6.105	6.102	E7	15.69	
4)	M	benzene	0.908	1.023	1.039	0.966	1.049	0.983	0.994	E8	5.36	
5)	M	toluene	0.925	0.983	0.992	0.940	1.005	0.959	0.968	E8	3.25	
6)	M	ethylbenzene	6.805	8.196	8.710	8.475	9.202	8.888	8.379	E7	10.08	
7)	M	m/p-xylene	1.567	1.986	2.001	1.854	1.970	1.962	1.890	E8	8.81	
8)	M	o-xylene	0.853	1.010	1.023	0.963	1.041	0.981	0.978	E8	6.89	
9)	M	1,3,5-trimethylbenz	6.606	8.140	8.988	8.550	8.798	8.968	8.342	E7	10.88	
10)	M	1,2,4-trimethylbenz	7.420	7.808	8.789	8.733	9.282	9.216	8.541	E7	8.91	
11)	M	naphthalene	3.255	4.501	4.634	5.408	5.554	5.769	4.854	E7	19.25	

(#) = Out of Range

GROW.M Fri May 11 09:01:15 2007



Method Name: N:\1\METHODS\GROW.M
Calibration Table Last Updated: Mon May 07 11:16:53 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1969\1968_002.D
Acq On : 10 May 2007 17:10
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	38.743 E6	34.7#	80	0.01	see%drift
2	H	GRO (WI)	87.108	82.049 E6	5.8	96	0.00	
3	M	MtBE	61.022	60.719 E6	0.5	97	0.10	
4	M	benzene	99.450	93.333 E6	6.2	97	0.03	
5	M	toluene	96.758	89.755 E6	7.2	95	-0.02	
6	M	ethylbenzene	83.793	82.794 E6	1.2	98	-0.04	
7	M	m/p-xylene	188.992	175.550 E6	7.1	95	-0.04	
8	M	o-xylene	97.831	92.720 E6	5.2	96	-0.04	
9	M	1,3,5-trimethylbenzene	83.416	81.773 E6	2.0	96	-0.05	
10	M	1,2,4-trimethylbenzene	85.413	83.568 E6	2.2	96	-0.05	
11	M	naphthalene	48.536	57.385 E6	-18.2#	106	-0.07	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Fri May 11 09:02:03 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1969\1968_002.D
Acq On : 10 May 2007 17:10
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.195	22.0#	80	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Fri May 11 09:02:50 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1969\1968_014.D
Acq On : 11 May 2007 2:31
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 14
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	36.749 E6	38.1#	76	-0.08	see%drift
2	H	GRO (WI)	87.108	79.912 E6	8.3	94	0.00	
3	M	MtBE	61.022	59.682 E6	2.2	95	-0.09	
4	M	benzene	99.450	93.350 E6	6.1	97	-0.09	
5	M	toluene	96.758	89.017 E6	8.0	95	-0.08	
6	M	ethylbenzene	83.793	171.230 E6	-104.3#	202#	0.06	
7	M	m/p-xylene	188.992	171.230 E6	9.4	92	-0.08	
8	M	o-xylene	97.831	91.224 E6	6.8	95	-0.08	
9	M	1,3,5-trimethylbenzene	83.416	80.189 E6	3.9	94	-0.09	
10	M	1,2,4-trimethylbenzene	85.413	80.979 E6	5.2	93	-0.08	
11	M	naphthalene	48.536	49.044 E6	-1.0	91	-0.10	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Fri May 11 09:03:16 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1969\1968_014.D
Acq On : 11 May 2007 2:31
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 14
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.184	26.4#	76	-0.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Fri May 11 09:04:00 2007

Data File : N:\1\DATA\1852\1852_002.D Vial: 2
Acq On : 19 Feb 2007 16:41 Operator: HP Demo
Sample : GRO L-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 09:48:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

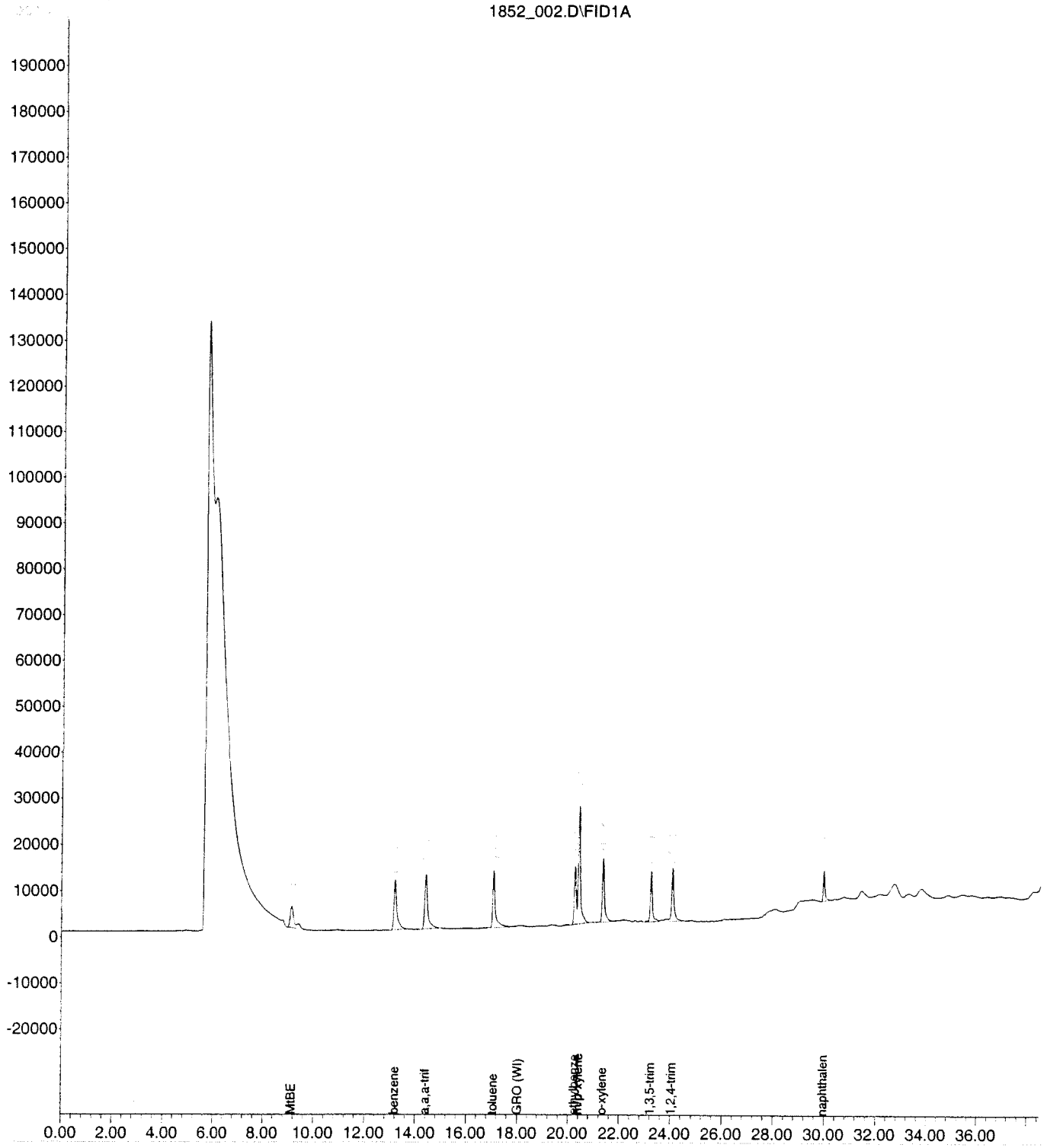
		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.38	1008262	0.017 mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	6.80%#
		Target Compounds			
2)	H	GRO (WI)	18.00	8153883	0.094 mg/L
3)	M	MtBE	9.12	421536	0.007 mg/L
4)	M	benzene	13.17	907773	0.009 mg/L
5)	M	toluene	17.05	924950	0.010 mg/L
6)	M	ethylbenzene	20.23	680507	0.008 mg/L
7)	M	m/p-xylene	20.39	1566783	0.008 mg/L
8)	M	o-xylene	21.32	853307	0.009 mg/L
9)	M	1,3,5-trimethylbenzene	23.20	660558	0.008 mg/L
10)	M	1,2,4-trimethylbenzene	24.04	742030	0.009 mg/L
11)	M	naphthalene	29.94	325480	0.007 mg/L

Data File : N:\1\DATA\1852\1852_002.D
Acq On : 19 Feb 2007 16:41
Sample : GRO L-1
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 09:48:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_003.D
Acq On : 19 Feb 2007 17:27
Sample : GRO L-2
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.37	2879647	0.049 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 19.60%#
		Target Compounds			
2)	H	GRO (WI)	18.00	43603153	0.501 mg/L
3)	M	MtBE	9.09	3294325	0.054 mg/L
4)	M	benzene	13.16	5113162	0.051 mg/L
5)	M	toluene	17.04	4916943	0.051 mg/L
6)	M	ethylbenzene	20.22	4098082	0.049 mg/L
7)	M	m/p-xylene	20.38	9927985	0.053 mg/L
8)	M	o-xylene	21.31	5048364	0.052 mg/L
9)	M	1,3,5-trimethylbenzene	23.19	4069995	0.049 mg/L
10)	M	1,2,4-trimethylbenzene	24.03	3903750	0.046 mg/L
11)	M	naphthalene	29.92	2250450	0.046 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

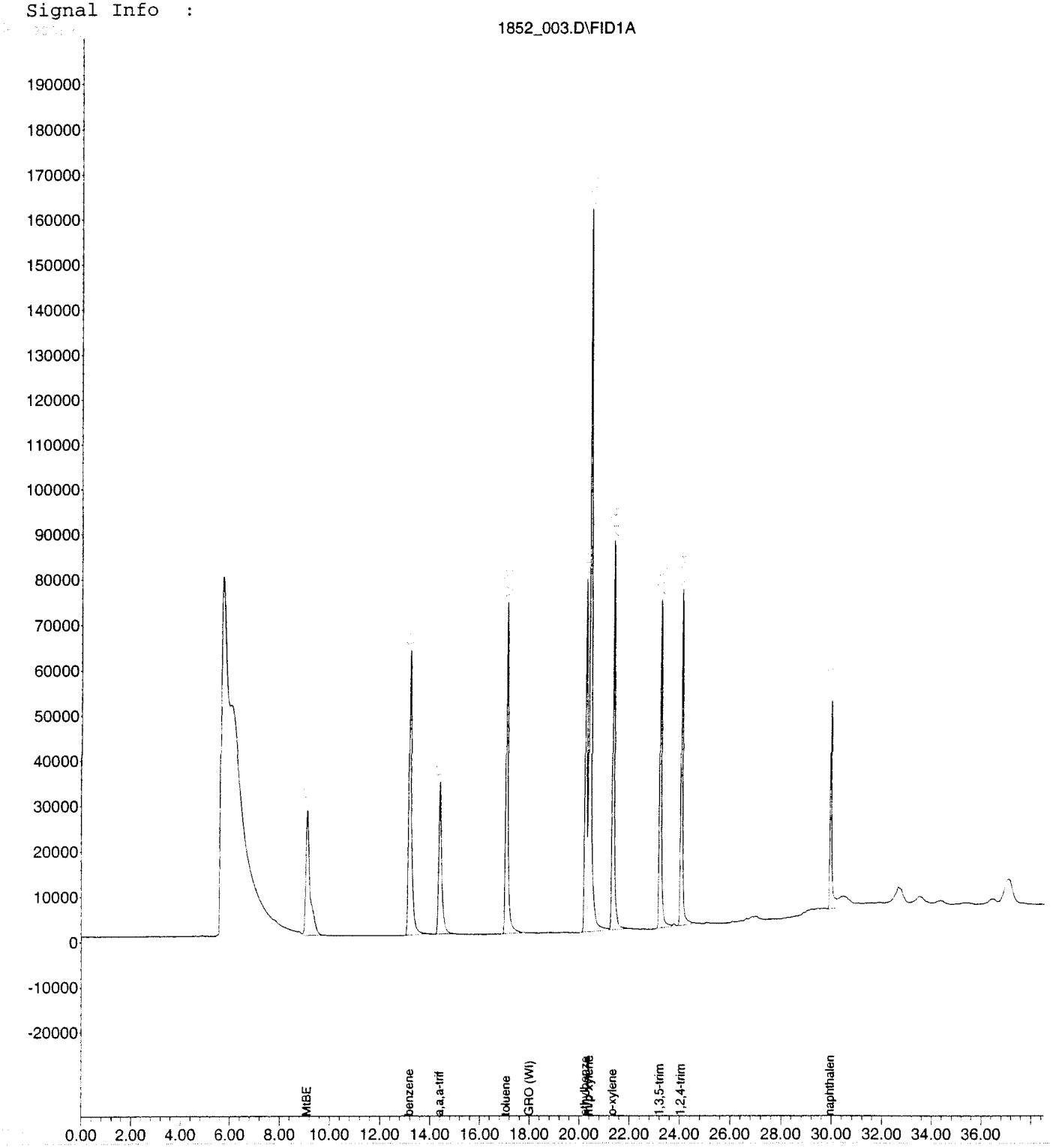
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_003.D
Acq On : 19 Feb 2007 17:27
Sample : GRO L-2
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_004.D
Vial: 4
Acq On : 19 Feb 2007 18:14
Operator: HP Demo
Sample : GRO L-3
Inst : HP5890
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.37	5379430	0.091 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 36.40%#
		Target Compounds			
2)	H	GRO (WI)	18.00	88927984	1.021 mg/L
3)	M	MtBE	9.07	6611747	0.108 mg/L
4)	M	benzene	13.15	10390784	0.104 mg/L
5)	M	toluene	17.04	9922967	0.103 mg/L
6)	M	ethylbenzene	20.22	8709659	0.104 mg/L
7)	M	m/p-xylene	20.38	20006479	0.106 mg/L
8)	M	o-xylene	21.32	10225052	0.105 mg/L
9)	M	1,3,5-trimethylbenzene	23.20	8987549	0.108 mg/L
10)	M	1,2,4-trimethylbenzene	24.04	8789375	0.103 mg/L
11)	M	naphthalene	29.92	4634357	0.095 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

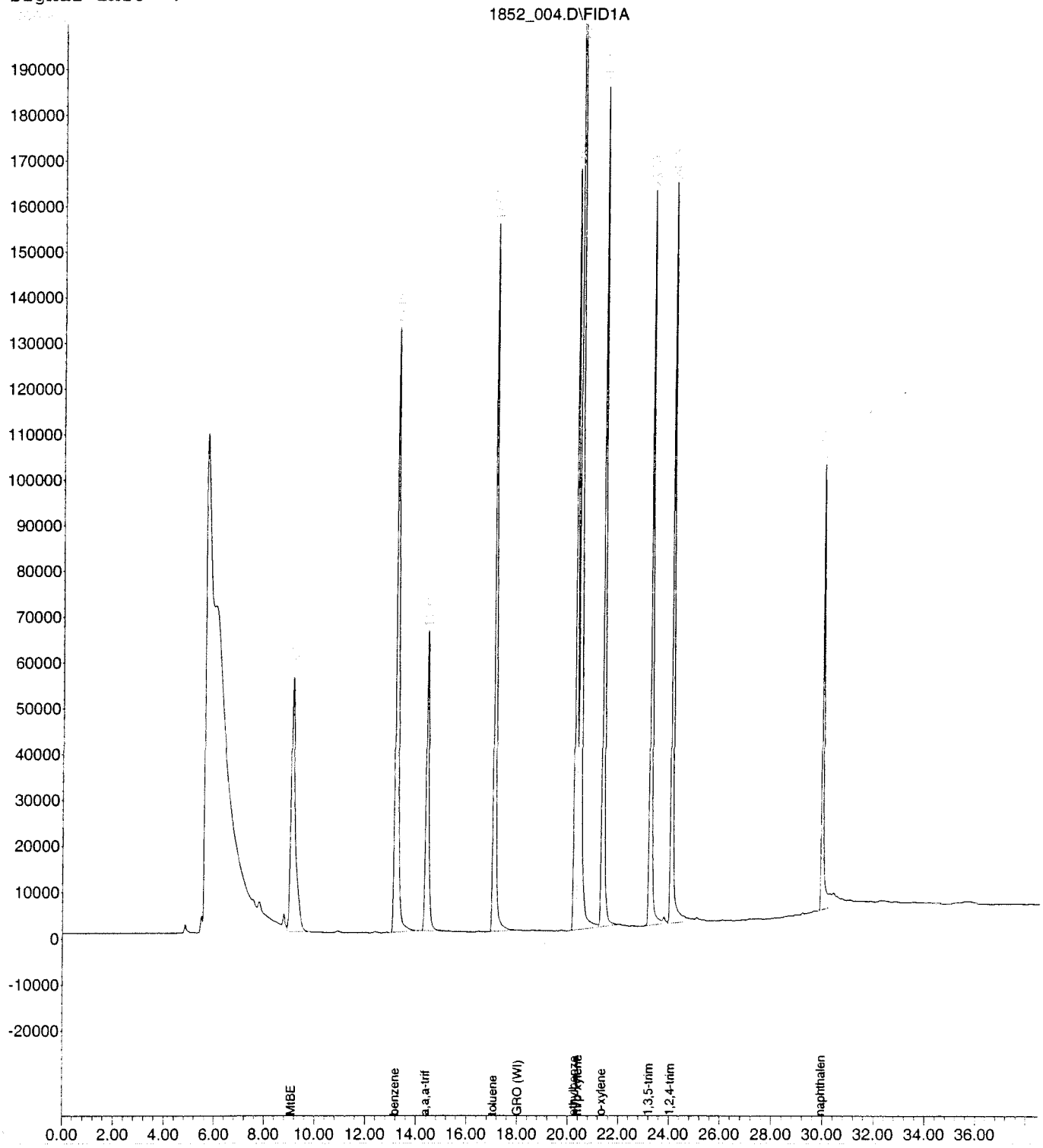
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_004.D
Acq On : 19 Feb 2007 18:14
Sample : GRO L-3
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_005.D
Acq On : 19 Feb 2007 19:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.35	12077444	0.204 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 81.60%
		Target Compounds			
2)	H	GRO (WI)	18.00	213593047	2.452 mg/L
3)	M	MtBE	9.07	15723342	0.258 mg/L
4)	M	benzene	13.14	24143787	0.243 mg/L
5)	M	toluene	17.02	23509433	0.243 mg/L
6)	M	ethylbenzene	20.21	21187170	0.253 mg/L
7)	M	m/p-xylene	20.37	46354106	0.245 mg/L
8)	M	o-xylene	21.30	24068992	0.246 mg/L
9)	M	1,3,5-trimethylbenzene	23.18	21376068	0.256 mg/L
10)	M	1,2,4-trimethylbenzene	24.02	21832655	0.256 mg/L
11)	M	naphthalene	29.92	13520803	0.279 mg/L

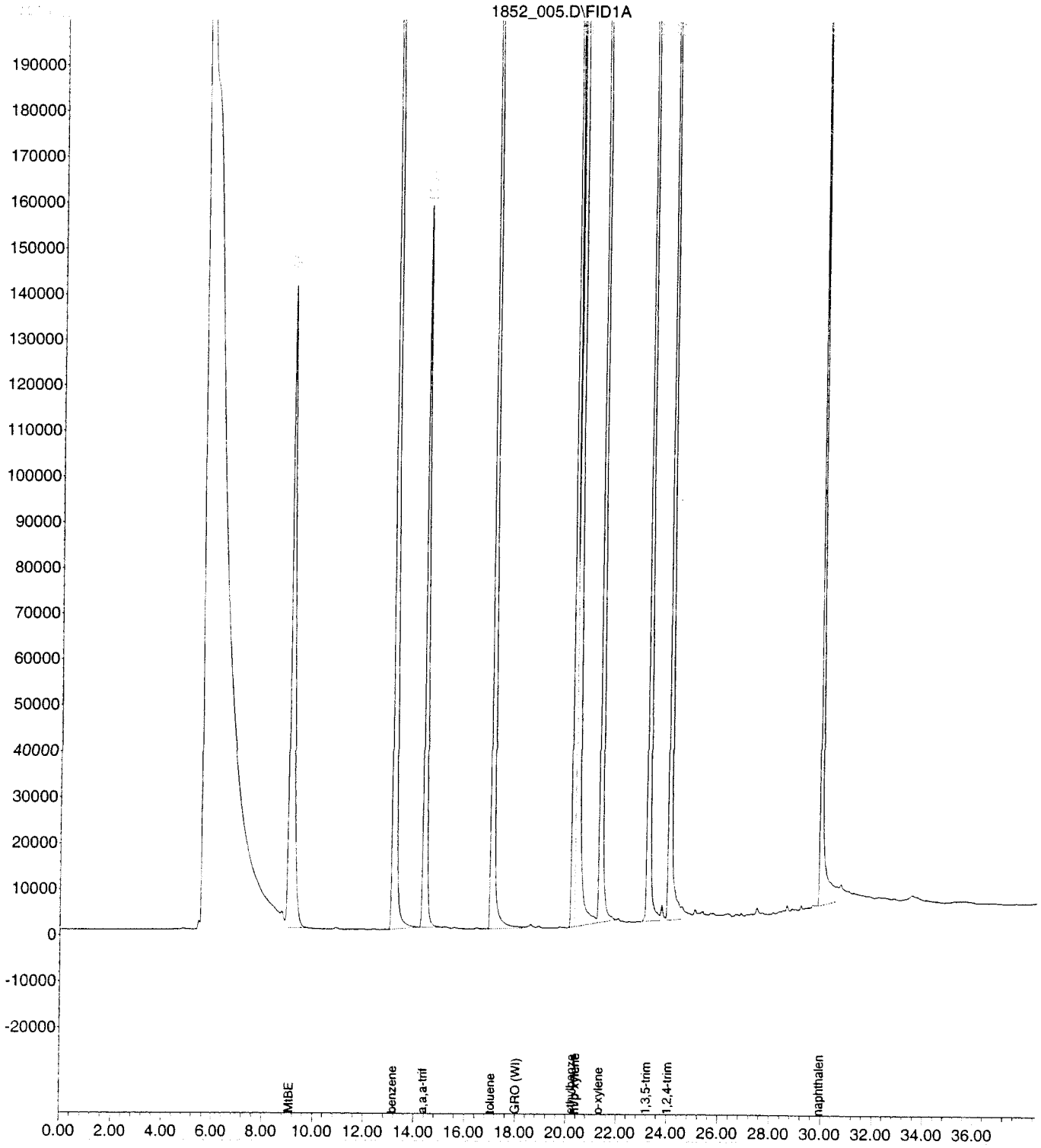
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_005.D
Acq On : 19 Feb 2007 19:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_006.D
Vial: 6
Acq On : 19 Feb 2007 19:47
Operator: HP Demo
Sample : GRO L-5
Inst : HP5890
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.36	24432441	0.412 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	164.80%#
Target Compounds			
2) H GRO (WI)	18.00	455315940	5.227 mg/L
3) M MtBE	9.06	34016759	0.557 mg/L
4) M benzene	13.14	52446155	0.527 mg/L
5) M toluene	17.03	50274715	0.520 mg/L
6) M ethylbenzene	20.22	46010504	0.549 mg/L
7) M m/p-xylene	20.38	98492046	0.521 mg/L
8) M o-xylene	21.31	52053132	0.532 mg/L
9) M 1,3,5-trimethylbenzene	23.20	43991208	0.527 mg/L
10) M 1,2,4-trimethylbenzene	24.03	46408423	0.543 mg/L
11) M naphthalene	29.92	27770324	0.572 mg/L

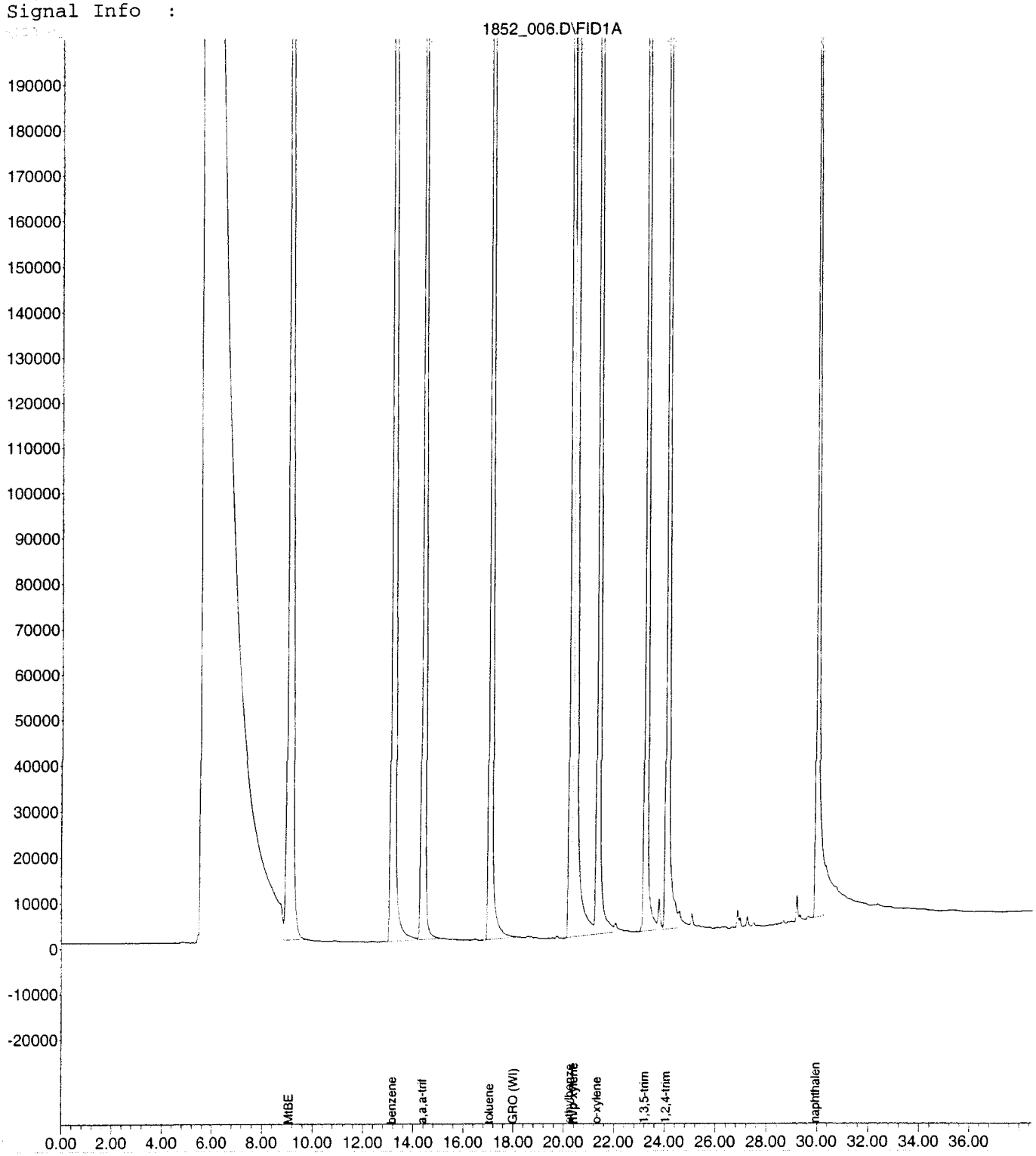
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_006.D
Acq On : 19 Feb 2007 19:47
Sample : GRO L-5
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_007.D
Acq On : 19 Feb 2007 20:33
Sample : GRO L-6
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.37	46538429	0.785 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 314.00%#
		Target Compounds			
2)	H	GRO (WI)	18.00	884743987	10.157 mg/L
3)	M	MtBE	9.09	61049421	1.000 mg/L
4)	M	benzene	13.15	98282931	0.988 mg/L
5)	M	toluene	17.04	95895577	0.991 mg/L
6)	M	ethylbenzene	20.22	88878681	1.061 mg/L
7)	M	m/p-xylene	20.39	196247957	1.038 mg/L
8)	M	o-xylene	21.32	98055392	1.002 mg/L
9)	M	1,3,5-trimethylbenzene	23.20	89680688	1.075 mg/L
10)	M	1,2,4-trimethylbenzene	24.04	92157696	1.079 mg/L
11)	M	naphthalene	29.93	57693085	1.189 mg/L

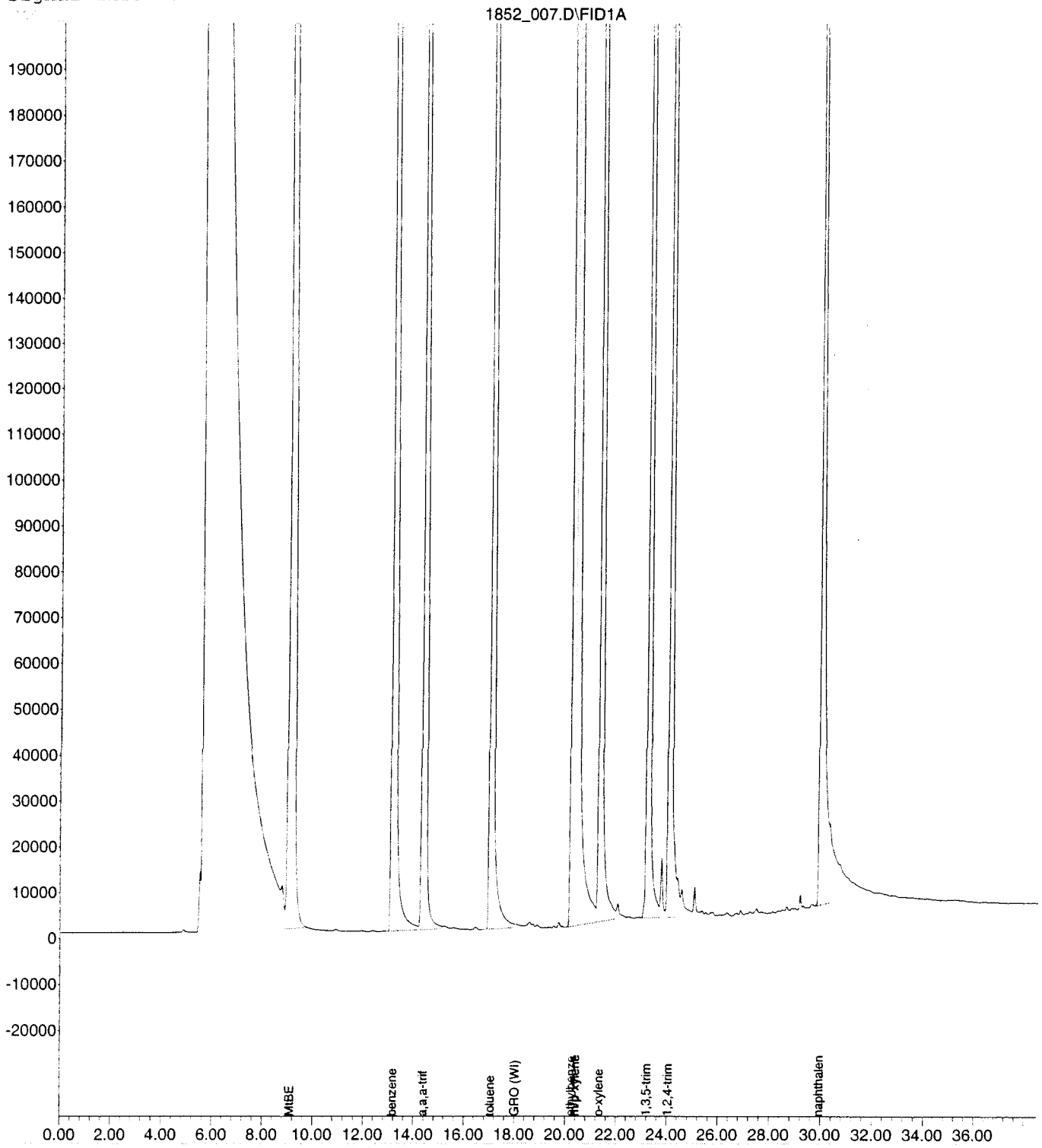
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_007.D
Acq On : 19 Feb 2007 20:33
Sample : GRO L-6
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : N:\1\DATA\1852\1852_008.D
Acq On : 19 Feb 2007 21:19
Sample : ICV01
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 18:08 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:13:00 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.36	11656424	0.237 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 94.80%
		Target Compounds			
2)	H	GRO (WI)	18.00	152569130	1.751 mg/L
3)	M	MtBE	8.94f	8193960	0.134 mg/L
4)	M	benzene	13.15	4553510	0.046 mg/L
5)	M	toluene	17.03	21882766	0.226 mg/L
6)	M	ethylbenzene	20.21	4318992	0.052 mg/L
7)	M	m/p-xylene	20.37	17330643	0.092 mg/L
8)	M	o-xylene	21.31	6675171	0.068 mg/L
9)	M	1,3,5-trimethylbenzene	23.18	2759084	0.033 mg/L
10)	M	1,2,4-trimethylbenzene	24.03	7804317	0.091 mg/L
11)	M	naphthalene	29.92	1990702	0.041 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

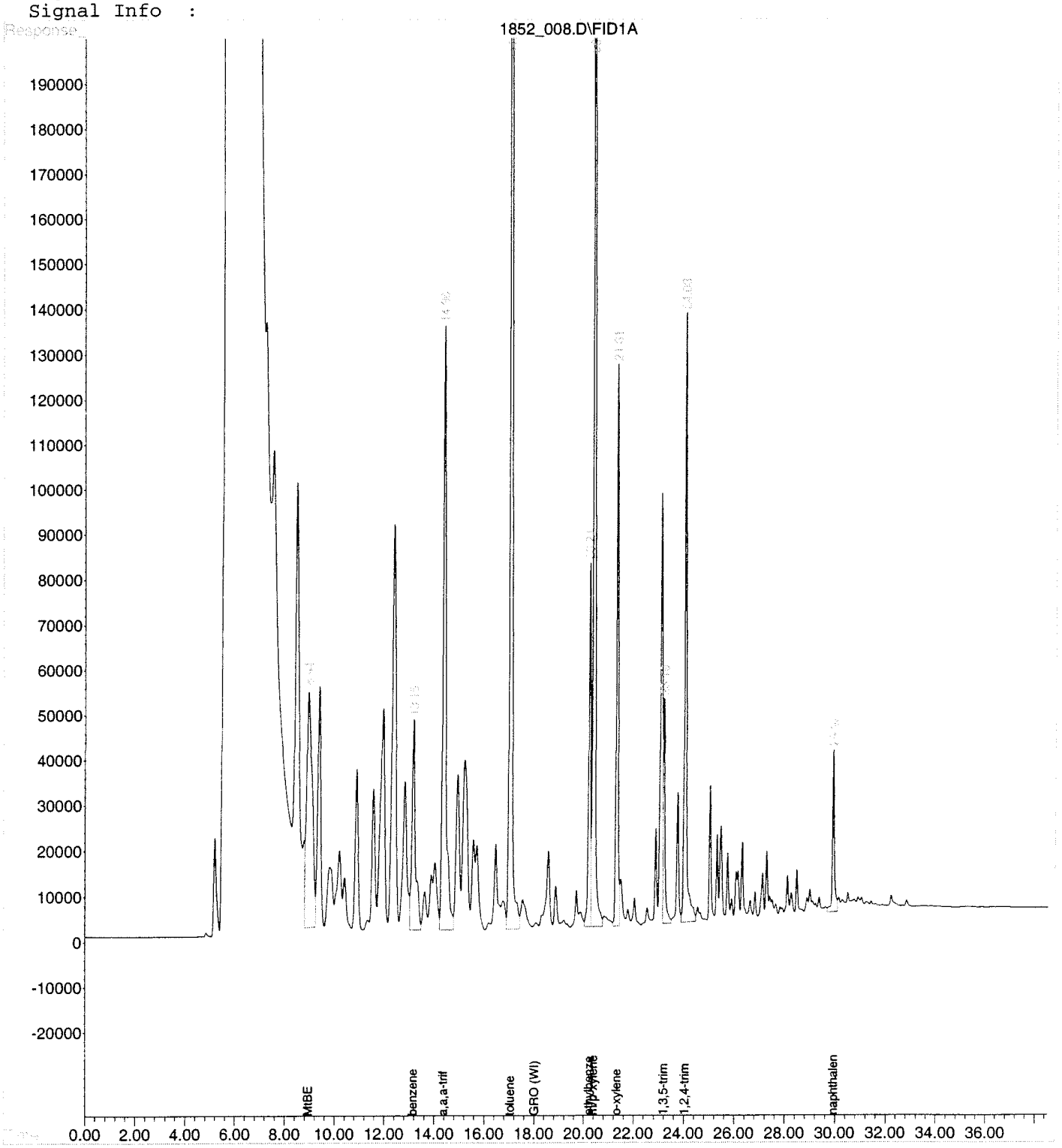
Data File : N:\1\DATA\1852\1852_008.D
Acq On : 19 Feb 2007 21:19
Sample : ICV01
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 18:08 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:13:00 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

ICV01
UNLEADED GASOLINE GR
PATTERN UNDER ~~GRO~~
CONDITIONS



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_001.D
Acq On : 10 May 2007 16:23
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:12 2007 Quant Results File: GROW.RES

Vial: 1
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery =	0.00%#
		Target Compounds				
2)	H	GRO (WI)	22.00	217881	0.003	mg/L
3)	M	MtBE	0.00	0	N.D.	mg/L
4)	M	benzene	16.94f	27413	0.000	mg/L
5)	M	toluene	0.00	0	N.D.	mg/L
6)	M	ethylbenzene	0.00	0	N.D.	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	0.00	0	N.D.	mg/L
9)	M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10)	M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11)	M	naphthalene	33.27f	42335	0.001	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

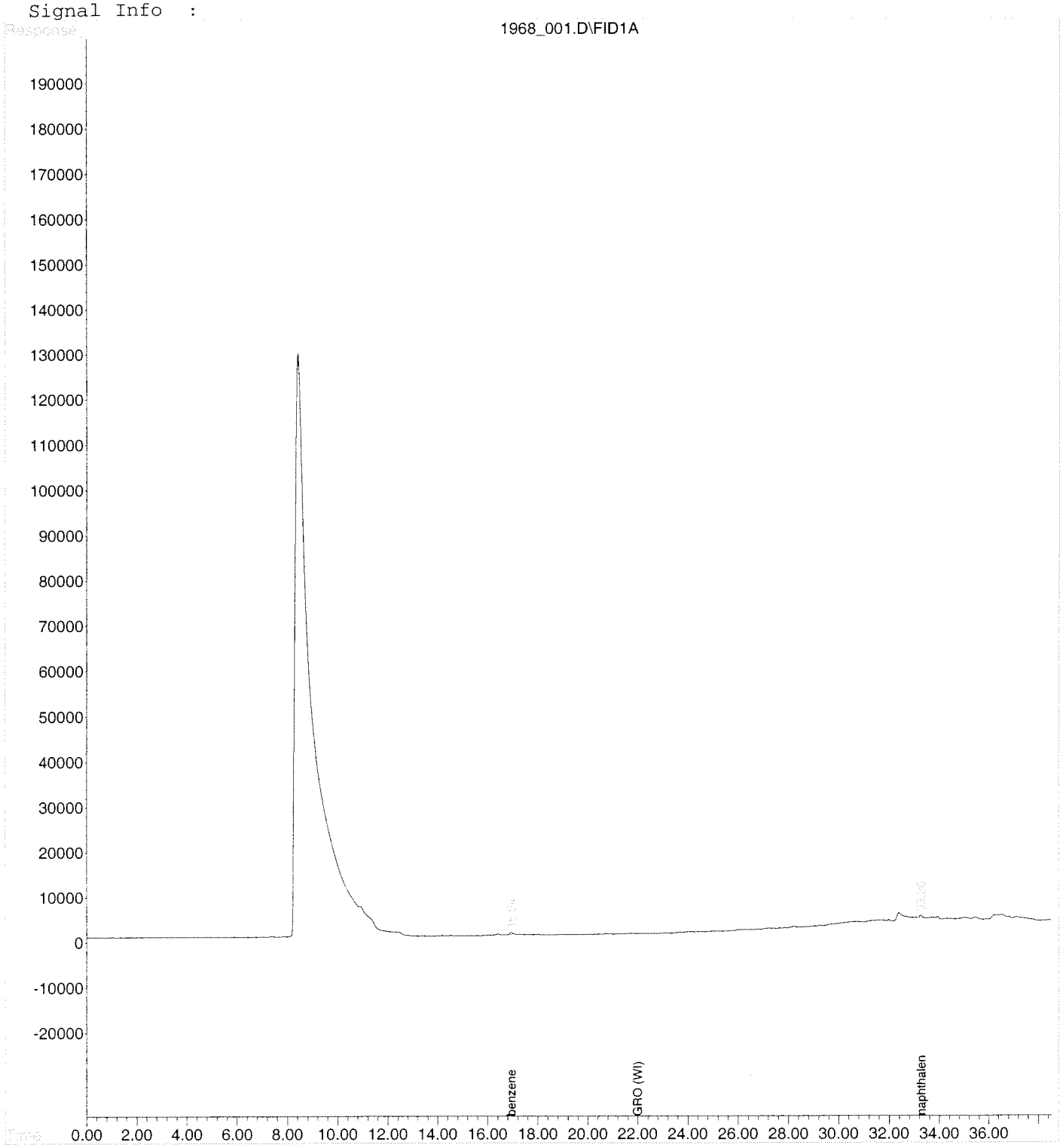
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_001.D
Acq On : 10 May 2007 16:23
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:12 2007 Quant Results File: GROW.RES

Vial: 1
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_002.D
Acq On : 10 May 2007 17:10
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:12 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	17.83	9685663	0.195 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	78.00%
Target Compounds			
2) H GRO (WI)	22.00	205122415	2.355 mg/L
3) M MtBE	12.59	15179672	0.249 mg/L
4) M benzene	16.82	23333269	0.235 mg/L
5) M toluene	20.41	22438841	0.232 mg/L
6) M ethylbenzene	23.41	20698397	0.247 mg/L
7) M m/p-xylene	23.55	43887544	0.232 mg/L
8) M o-xylene	24.46	23179989	0.237 mg/L
9) M 1,3,5-trimethylbenzene	26.22	20443255	0.245 mg/L
10) M 1,2,4-trimethylbenzene	27.05	20891934	0.245 mg/L
11) M naphthalene	33.07	14346228	0.296 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

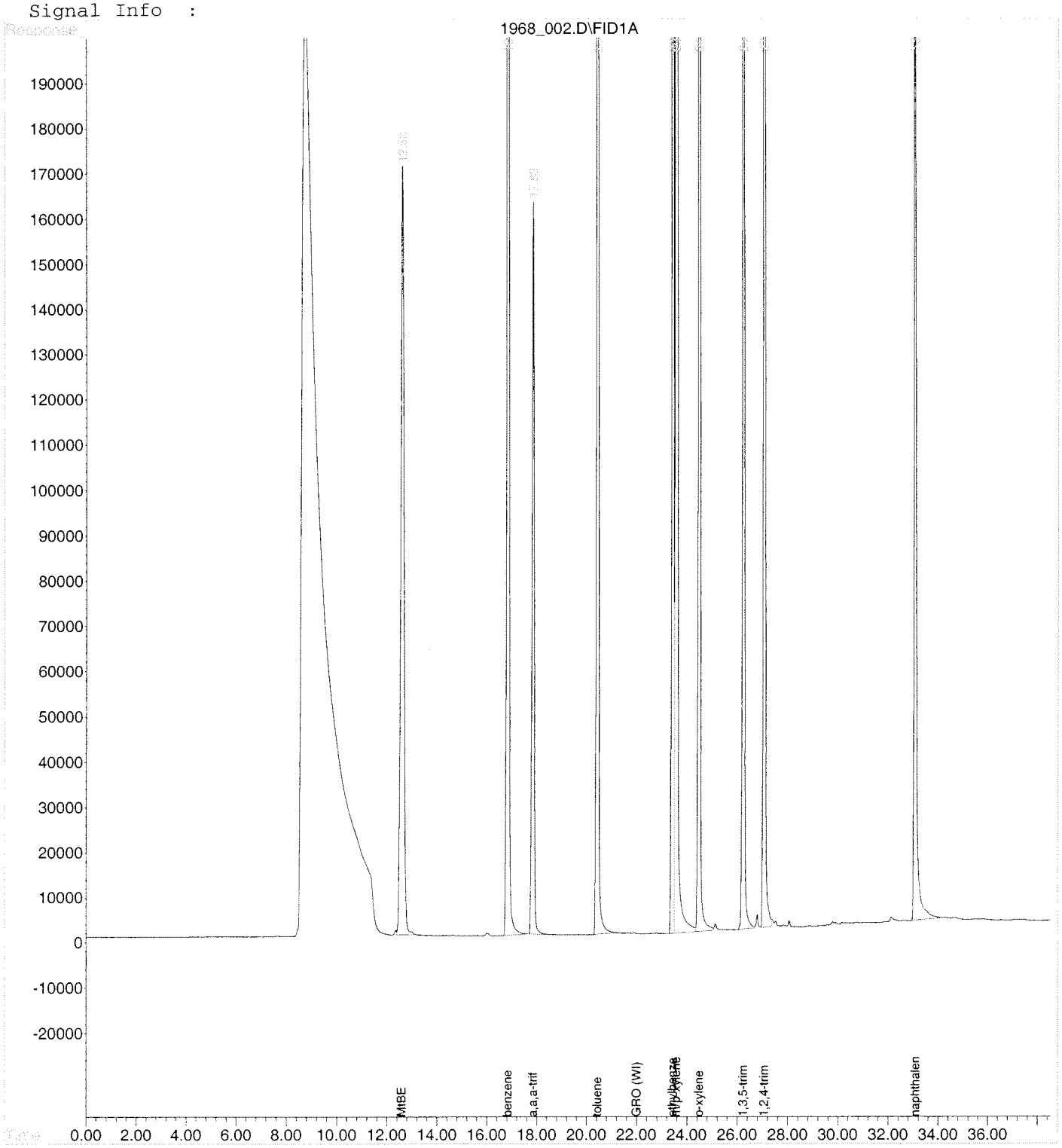
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_002.D
Acq On : 10 May 2007 17:10
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:12 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_003.D
Acq On : 10 May 2007 17:57
Sample : BLA FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:12 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	17.72f	8933780	0.178	mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	71.20%	
		Target Compounds				
2)	H	GRO (WI)	22.00	1009770	0.012	mg/L
3)	M	MtBE	0.00	0	N.D.	mg/L
4)	M	benzene	16.68f	85448	0.001	mg/L
5)	M	toluene	20.33	28093	0.000	mg/L
6)	M	ethylbenzene	23.50	47658	0.001	mg/L
7)	M	m/p-xylene	23.50f	47658	0.000	mg/L
8)	M	o-xylene	0.00	0	N.D.	mg/L
9)	M	1,3,5-trimethylbenzene	26.18	28996	0.000	mg/L
10)	M	1,2,4-trimethylbenzene	27.01	76724	0.001	mg/L
11)	M	naphthalene	33.04f	548646	0.011	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

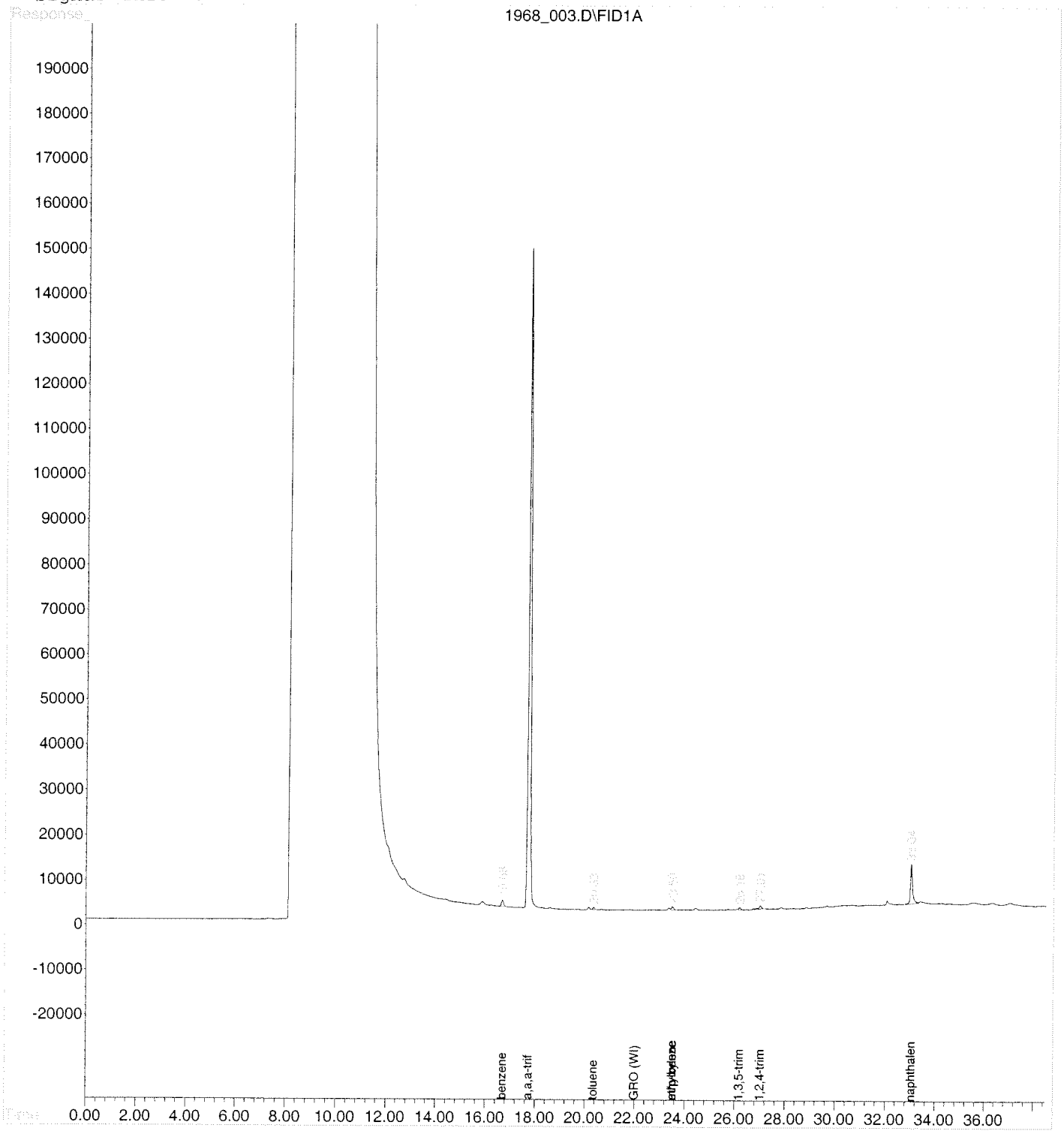
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_003.D
Acq On : 10 May 2007 17:57
Sample : BLA FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:12 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_004.D
Acq On : 10 May 2007 18:44
Sample : LCS FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	17.70f	8916478	0.178	mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery =	71.20%
		Target Compounds				
2)	H	GRO (WI)	22.00	185513233	2.130	mg/L
3)	M	MtBE	12.35f	11710193	0.192	mg/L
4)	M	benzene	16.65f	20850690	0.210	mg/L
5)	M	toluene	20.31f	20669690	0.214	mg/L
6)	M	ethylbenzene	23.48	41210521	0.492	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	24.39f	20302383	0.208	mg/L
9)	M	1,3,5-trimethylbenzene	26.16f	19828742	0.238	mg/L
10)	M	1,2,4-trimethylbenzene	27.00f	19570268	0.229	mg/L
11)	M	naphthalene	33.02f	11164341	0.230	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

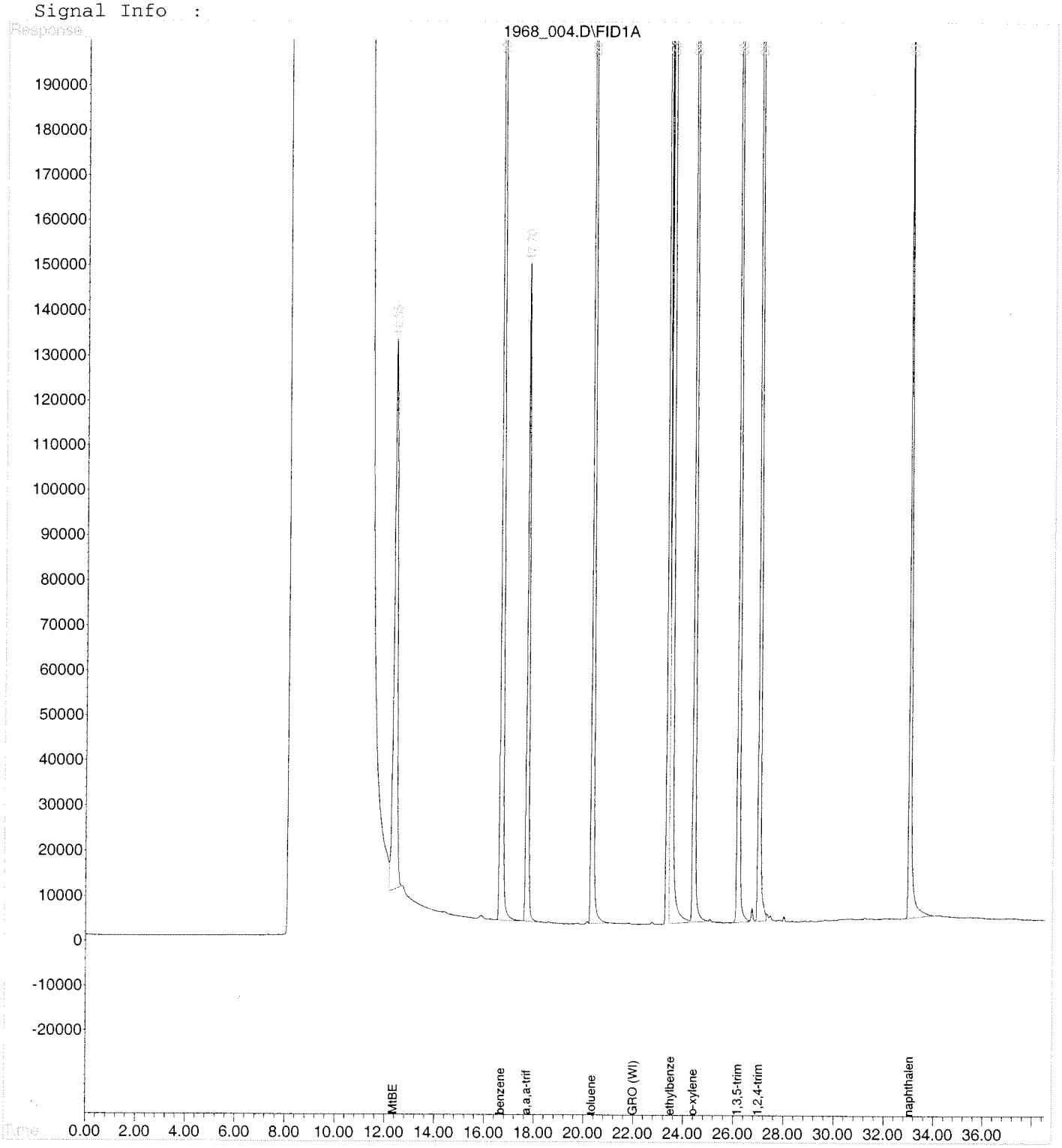
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_004.D
Acq On : 10 May 2007 18:44
Sample : LCS FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_005.D
Acq On : 10 May 2007 19:30
Sample : A768787 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	17.71f	8333187	0.165	mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery =	66.00%#
		Target Compounds				
2)	H	GRO (WI)	22.00	1519217	0.017	mg/L
3)	M	MtBE	0.00	0	N.D.	mg/L
4)	M	benzene	16.66f	82929	0.001	mg/L
5)	M	toluene	20.32f	27972	0.000	mg/L
6)	M	ethylbenzene	23.49	46316	0.001	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	24.44	55722	0.001	mg/L
9)	M	1,3,5-trimethylbenzene	26.18	32810	0.000	mg/L
10)	M	1,2,4-trimethylbenzene	27.01	104364	0.001	mg/L
11)	M	naphthalene	33.03f	432016	0.009	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

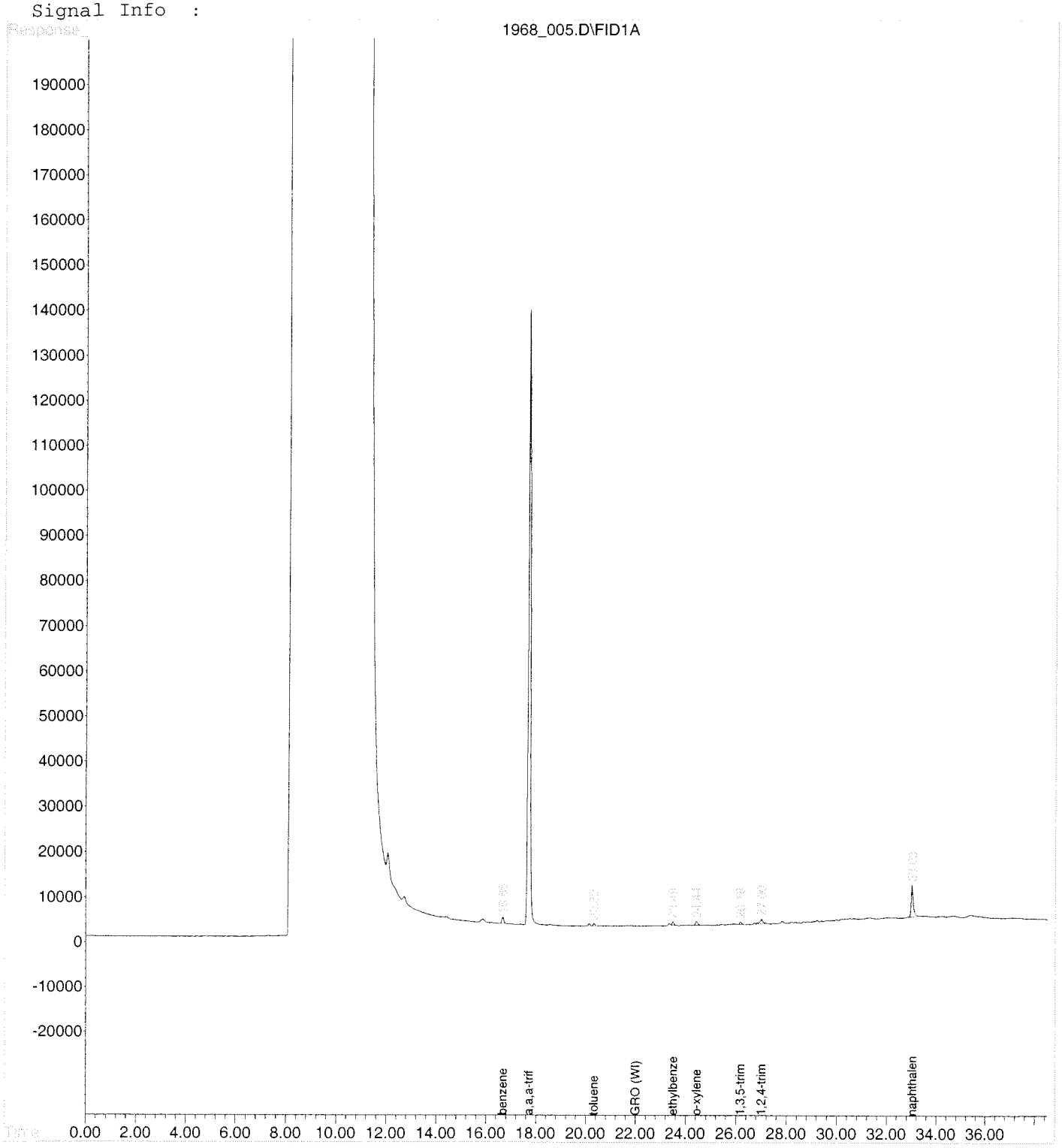
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_005.D
Acq On : 10 May 2007 19:30
Sample : A768787 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_006.D
Acq On : 10 May 2007 20:17
Sample : A768787 MS FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.69f	8645634	0.172 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 68.80%#
		Target Compounds			
2)	H	GRO (WI)	22.00	204522618	2.348 mg/L
3)	M	MtBE	12.34f	15653632	0.257 mg/L
4)	M	benzene	16.64f	22529441	0.227 mg/L
5)	M	toluene	20.30f	22269511	0.230 mg/L
6)	M	ethylbenzene	23.47	44118147	0.527 mg/L
7)	M	m/p-xylene	0.00	0	N.D. mg/L
8)	M	o-xylene	24.38f	21928348	0.224 mg/L
9)	M	1,3,5-trimethylbenzene	26.15f	20782777	0.249 mg/L
10)	M	1,2,4-trimethylbenzene	26.98f	20598235	0.241 mg/L
11)	M	naphthalene	33.00f	12039057	0.248 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

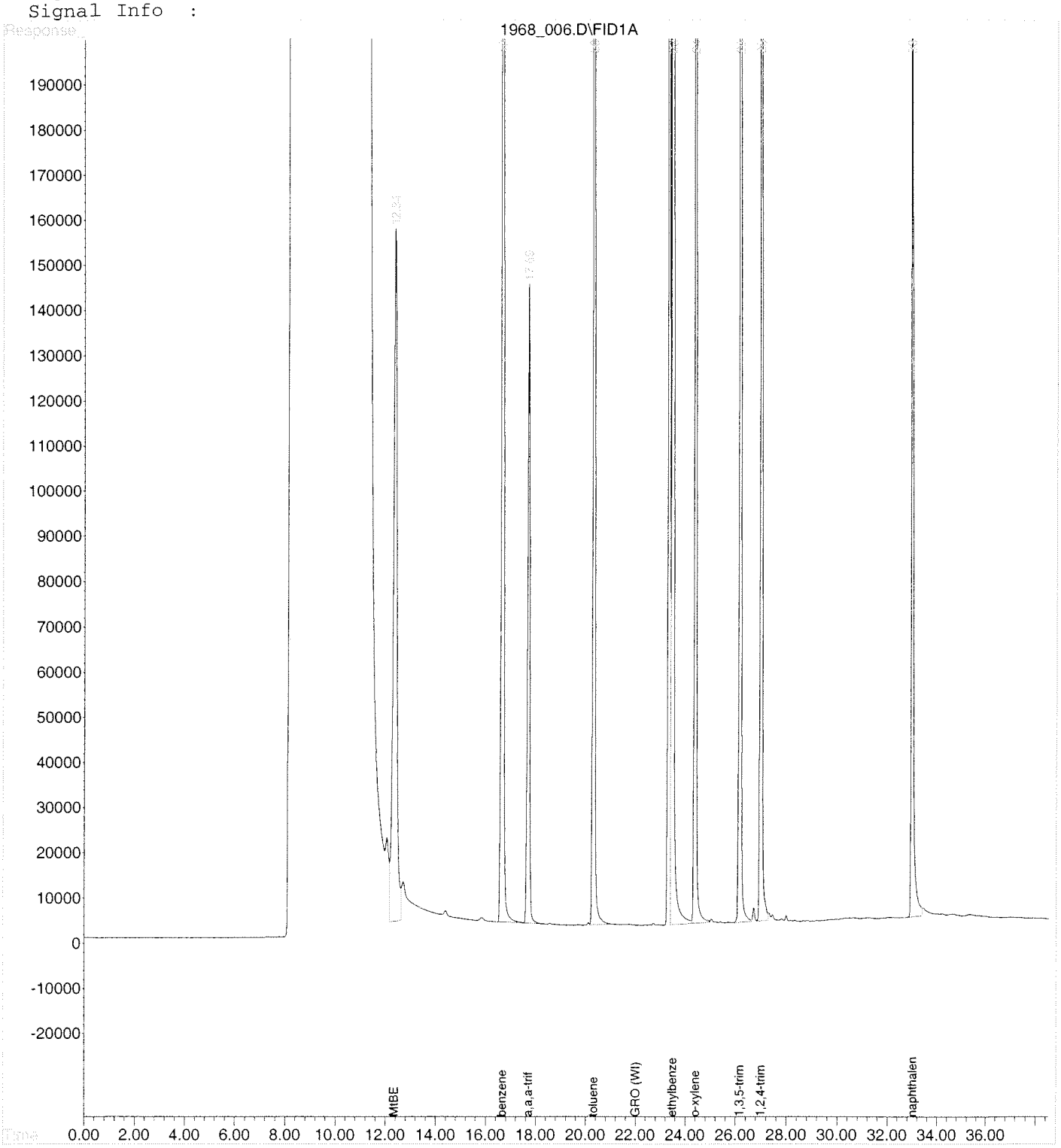
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_006.D
Acq On : 10 May 2007 20:17
Sample : A768787 MS FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_007.D
Acq On : 10 May 2007 21:04
Sample : A768787 MSD FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	17.70f	8455793	0.168	mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	67.20%#	
		Target Compounds				
2)	H	GRO (WI)	22.00	198409988	2.278	mg/L
3)	M	MtBE	12.35f	13725751	0.225	mg/L
4)	M	benzene	16.65f	22488495	0.226	mg/L
5)	M	toluene	20.31f	22069921	0.228	mg/L
6)	M	ethylbenzene	23.47	43504741	0.519	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	24.39f	21594600	0.221	mg/L
9)	M	1,3,5-trimethylbenzene	26.16f	20412516	0.245	mg/L
10)	M	1,2,4-trimethylbenzene	26.99f	20221168	0.237	mg/L
11)	M	naphthalene	33.00f	12179944	0.251	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

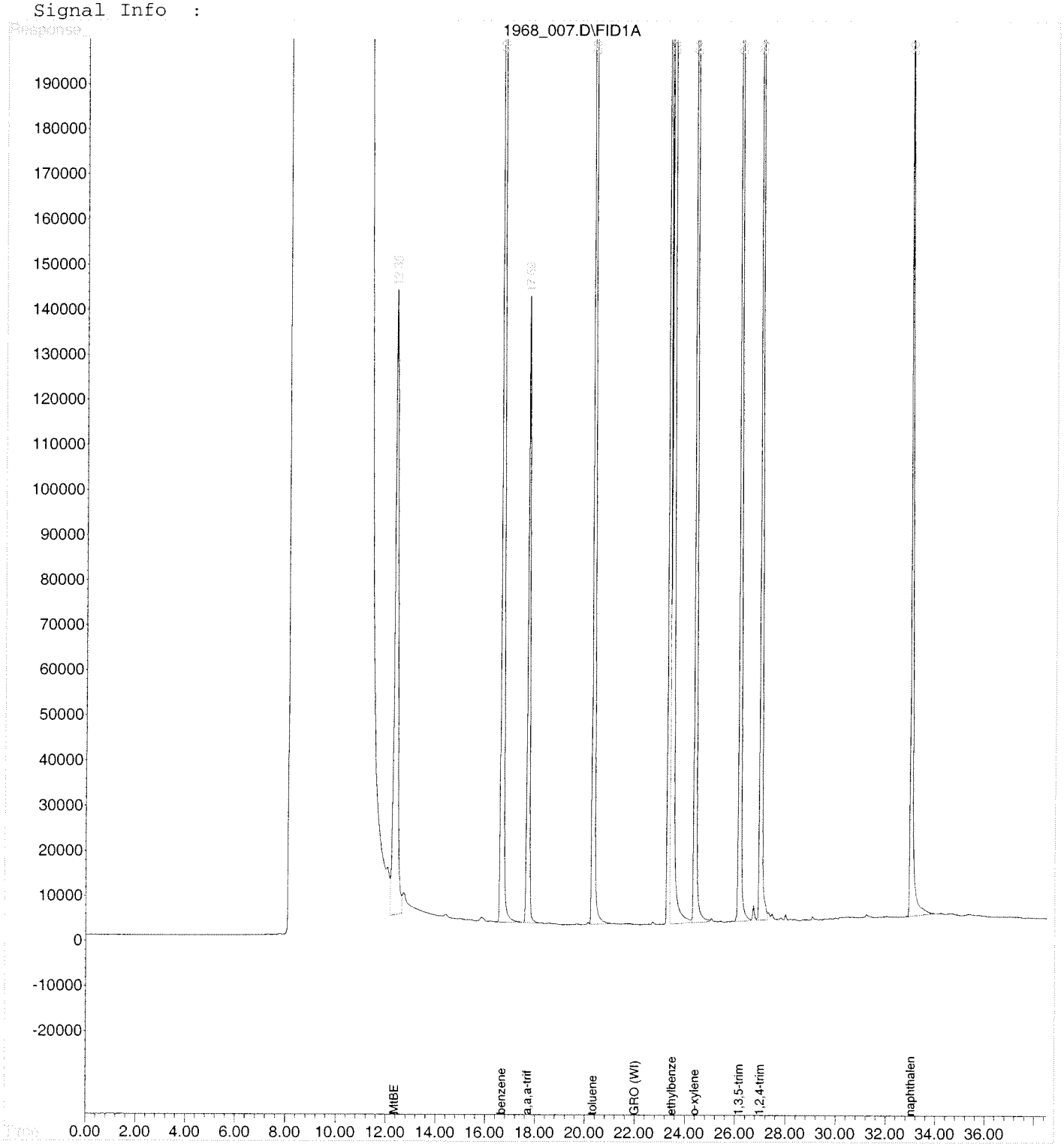
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_007.D
Acq On : 10 May 2007 21:04
Sample : A768787 MSD FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_008.D
Acq On : 10 May 2007 21:50
Sample : A768788 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.71f	9963029	0.201 mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	80.40%
		Target Compounds			
2)	H	GRO (WI)	22.00	3629400	0.042 mg/L
3)	M	MtBE	12.36f	1041823	0.017 mg/L
4)	M	benzene	16.67f	85506	0.001 mg/L
5)	M	toluene	20.33	33282	0.000 mg/L
6)	M	ethylbenzene	23.49	60434	0.001 mg/L
7)	M	m/p-xylene	23.49f	60434	0.000 mg/L
8)	M	o-xylene	24.42	35601	0.000 mg/L
9)	M	1,3,5-trimethylbenzene	26.18	78115	0.001 mg/L
10)	M	1,2,4-trimethylbenzene	27.01	101062	0.001 mg/L
11)	M	naphthalene	33.03f	508087	0.010 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

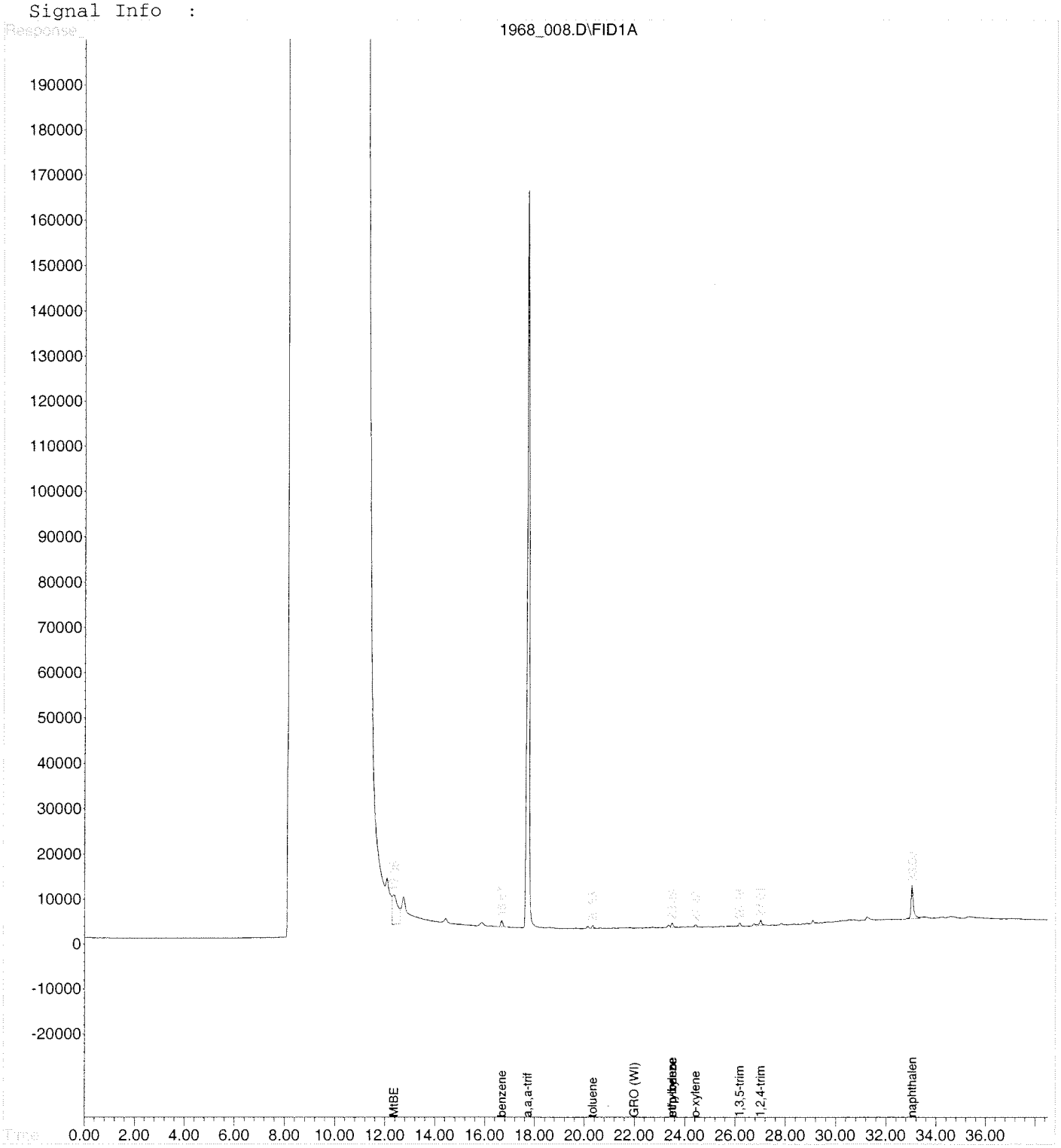
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_008.D
Acq On : 10 May 2007 21:50
Sample : A768788 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_009.D
Acq On : 10 May 2007 22:37
Sample : A768789 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 9
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.73	11334502	0.231 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 92.40%
		Target Compounds			
2)	H	GRO (WI)	22.00	8159574	0.094 mg/L
3)	M	MtBE	12.40	2634513	0.043 mg/L
4)	M	benzene	16.69	80379	0.001 mg/L
5)	M	toluene	20.34	25437	0.000 mg/L
6)	M	ethylbenzene	23.50	61119	0.001 mg/L
7)	M	m/p-xylene	23.50f	61119	0.000 mg/L
8)	M	o-xylene	24.43	101602	0.001 mg/L
9)	M	1,3,5-trimethylbenzene	26.18	59220	0.001 mg/L
10)	M	1,2,4-trimethylbenzene	27.16	50771	0.001 mg/L
11)	M	naphthalene	33.04	251656	0.005 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

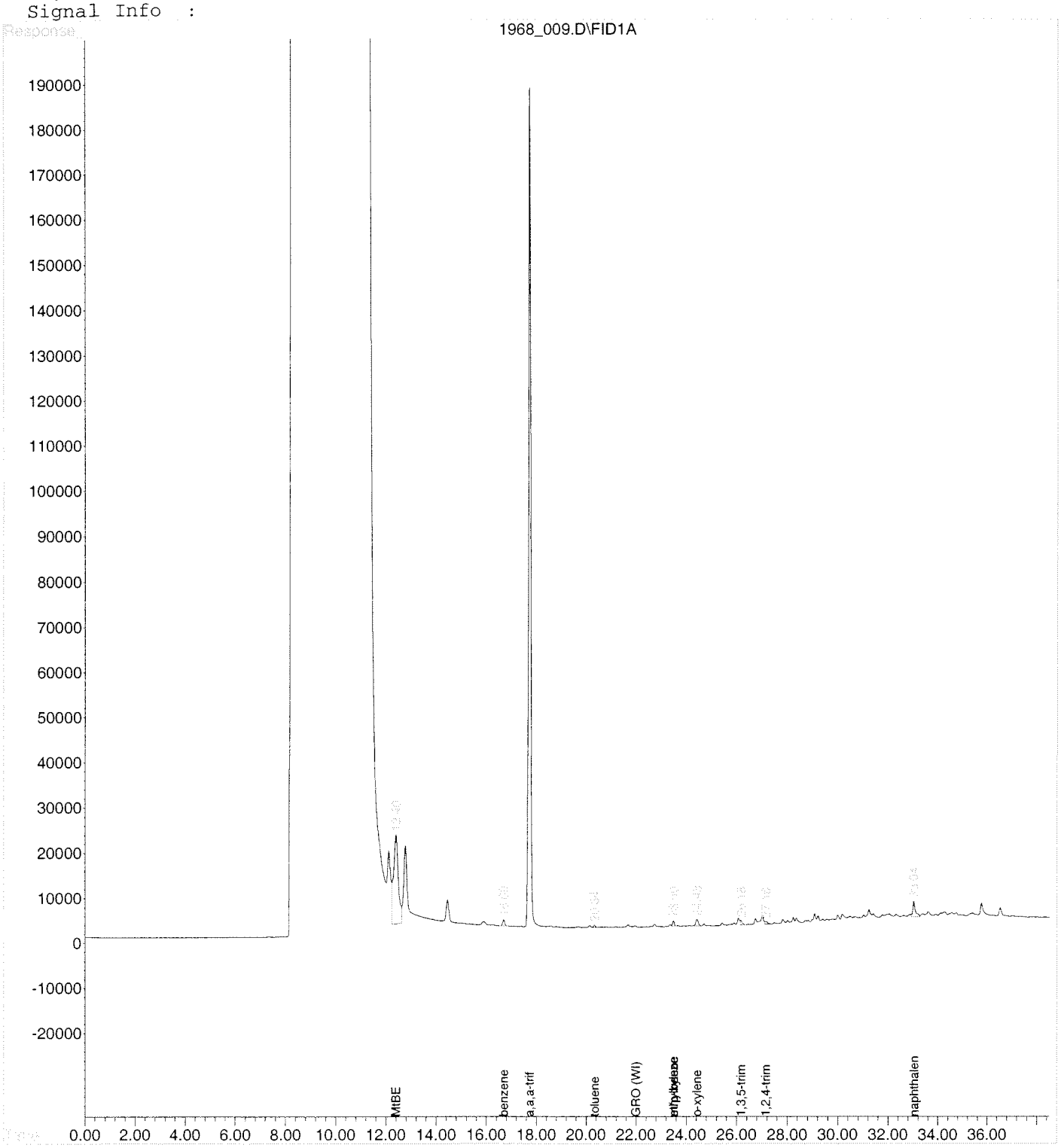
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_009.D
Acq On : 10 May 2007 22:37
Sample : A768789 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 9
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_010.D
Vial: 10
Acq On : 10 May 2007 23:24
Operator: HP Demo
Sample : A768790 FS1195
Inst : HP5890
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.69f	9137179	0.183 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 73.20%
		Target Compounds			
2)	H	GRO (WI)	22.00	4082970	0.047 mg/L
3)	M	MtBE	0.00	0	N.D. mg/L
4)	M	benzene	16.65f	74613	0.001 mg/L
5)	M	toluene	20.30f	58351	0.001 mg/L
6)	M	ethylbenzene	23.46	279024	0.003 mg/L
7)	M	m/p-xylene	0.00	0	N.D. mg/L
8)	M	o-xylene	24.38f	224261	0.002 mg/L
9)	M	1,3,5-trimethylbenzene	26.14f	109328	0.001 mg/L
10)	M	1,2,4-trimethylbenzene	27.13	84938	0.001 mg/L
11)	M	naphthalene	32.99f	193158	0.004 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

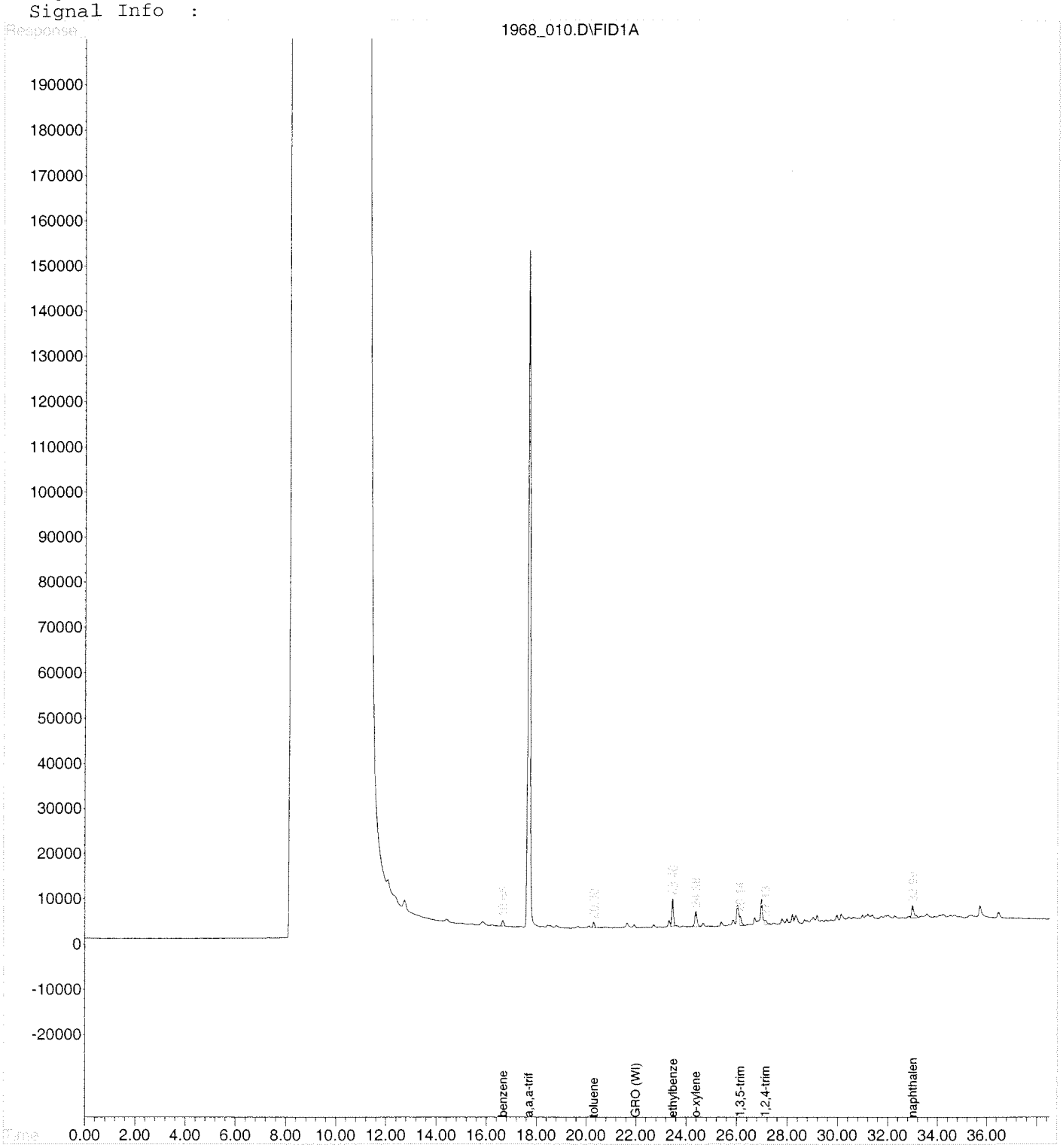
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_010.D
Acq On : 10 May 2007 23:24
Sample : A768790 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 10
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_011.D
Acq On : 11 May 2007 00:11
Sample : A768791 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 11
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	17.68f	9450730	0.190	mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery =	76.00%
		Target Compounds				
2)	H	GRO (WI)	22.00	1173474	0.013	mg/L
3)	M	MtBE	0.00	0	N.D.	mg/L
4)	M	benzene	16.64f	78023	0.001	mg/L
5)	M	toluene	20.30f	22620	0.000	mg/L
6)	M	ethylbenzene	0.00	0	N.D.	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	0.00	0	N.D.	mg/L
9)	M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10)	M	1,2,4-trimethylbenzene	26.97f	30223	0.000	mg/L
11)	M	naphthalene	32.99f	89898	0.002	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

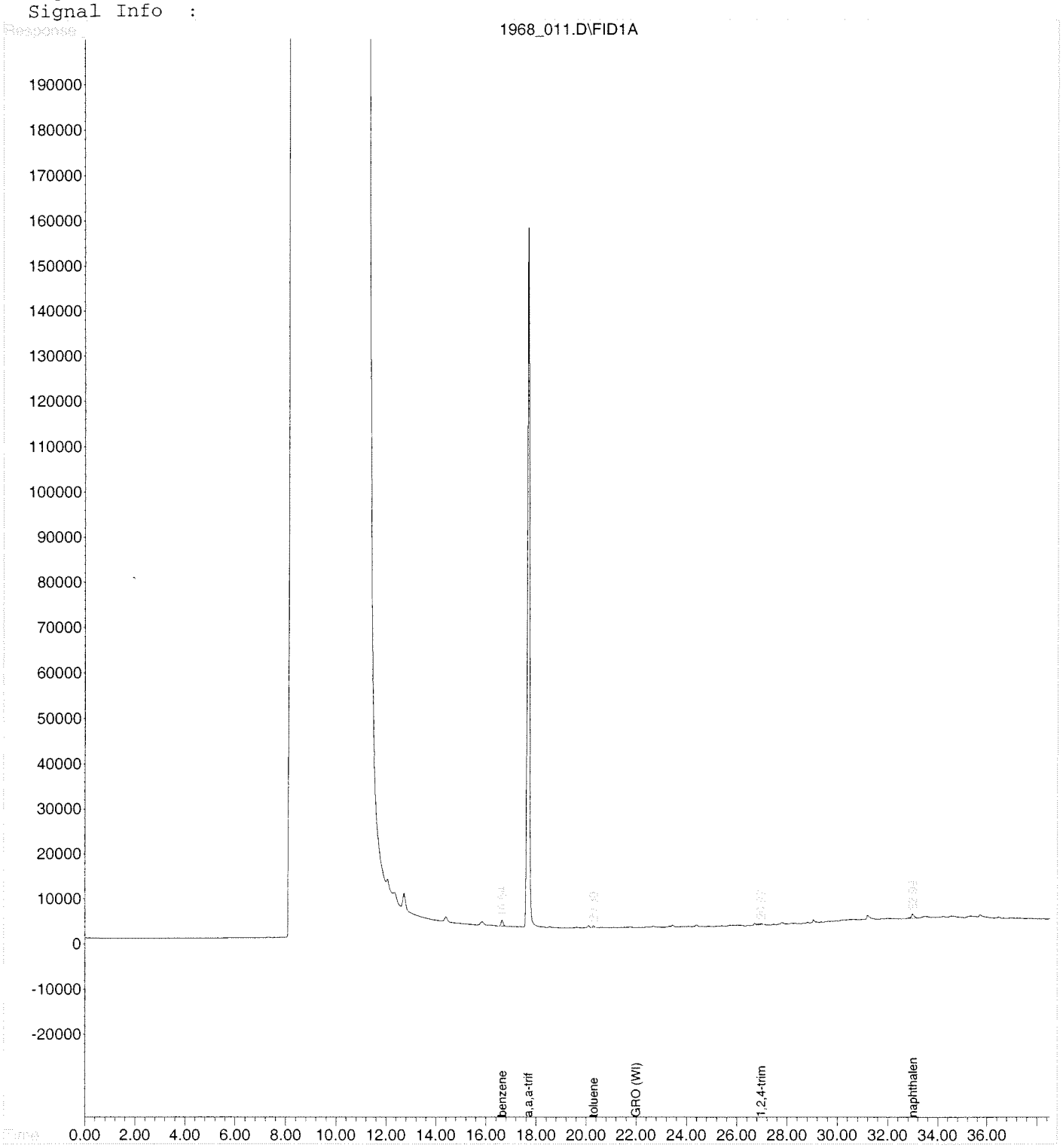
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_011.D
Acq On : 11 May 2007 00:11
Sample : A768791 FS1195
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 11
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_013.D
Acq On : 11 May 2007 1:44
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 13
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount		0.250	Range 70 - 130	Recovery =	0.00%#	
		Target Compounds				
2)	H	GRO (WI)	22.00	647814	0.007	mg/L
3)	M	MtBE	0.00	0	N.D.	mg/L
4)	M	benzene	16.69f	68056	0.001	mg/L
5)	M	toluene	20.32f	22102	0.000	mg/L
6)	M	ethylbenzene	23.48	41397	0.000	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	0.00	0	N.D.	mg/L
9)	M	1,3,5-trimethylbenzene	26.15f	31861	0.000	mg/L
10)	M	1,2,4-trimethylbenzene	26.99f	83724	0.001	mg/L
11)	M	naphthalene	33.00f	122177	0.003	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

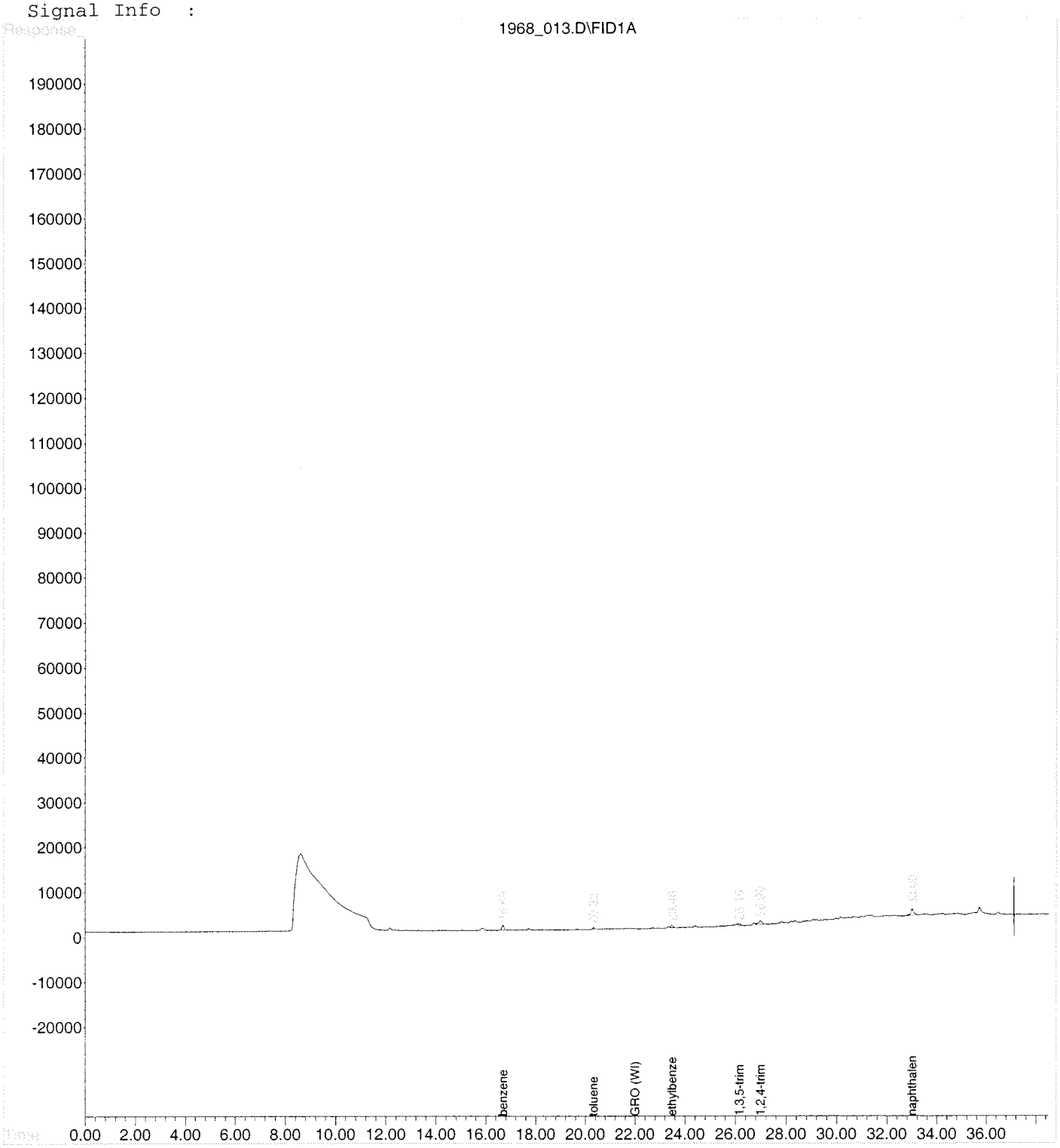
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_013.D
Acq On : 11 May 2007 1:44
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:13 2007 Quant Results File: GROW.RES

Vial: 13
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_014.D
Acq On : 11 May 2007 2:31
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:14 2007 Quant Results File: GROW.RES

Vial: 14
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
1)	S	a,a,a-trifluorotoluene	17.74	9187327	0.184 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 73.60%
Target Compounds					
2)	H	GRO (WI)	22.00	199780343	2.293 mg/L
3)	M	MtBE	12.40	14920611	0.245 mg/L
4)	M	benzene	16.70	23337437	0.235 mg/L
5)	M	toluene	20.35	22254137	0.230 mg/L
6)	M	ethylbenzene	23.51f	42807451	0.511 mg/L
7)	M	m/p-xylene	23.51f	42807451	0.227 mg/L
8)	M	o-xylene	24.42	22805891	0.233 mg/L
9)	M	1,3,5-trimethylbenzene	26.18	20047291	0.240 mg/L
10)	M	1,2,4-trimethylbenzene	27.02	20244678	0.237 mg/L
11)	M	naphthalene	33.04f	12260916	0.253 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

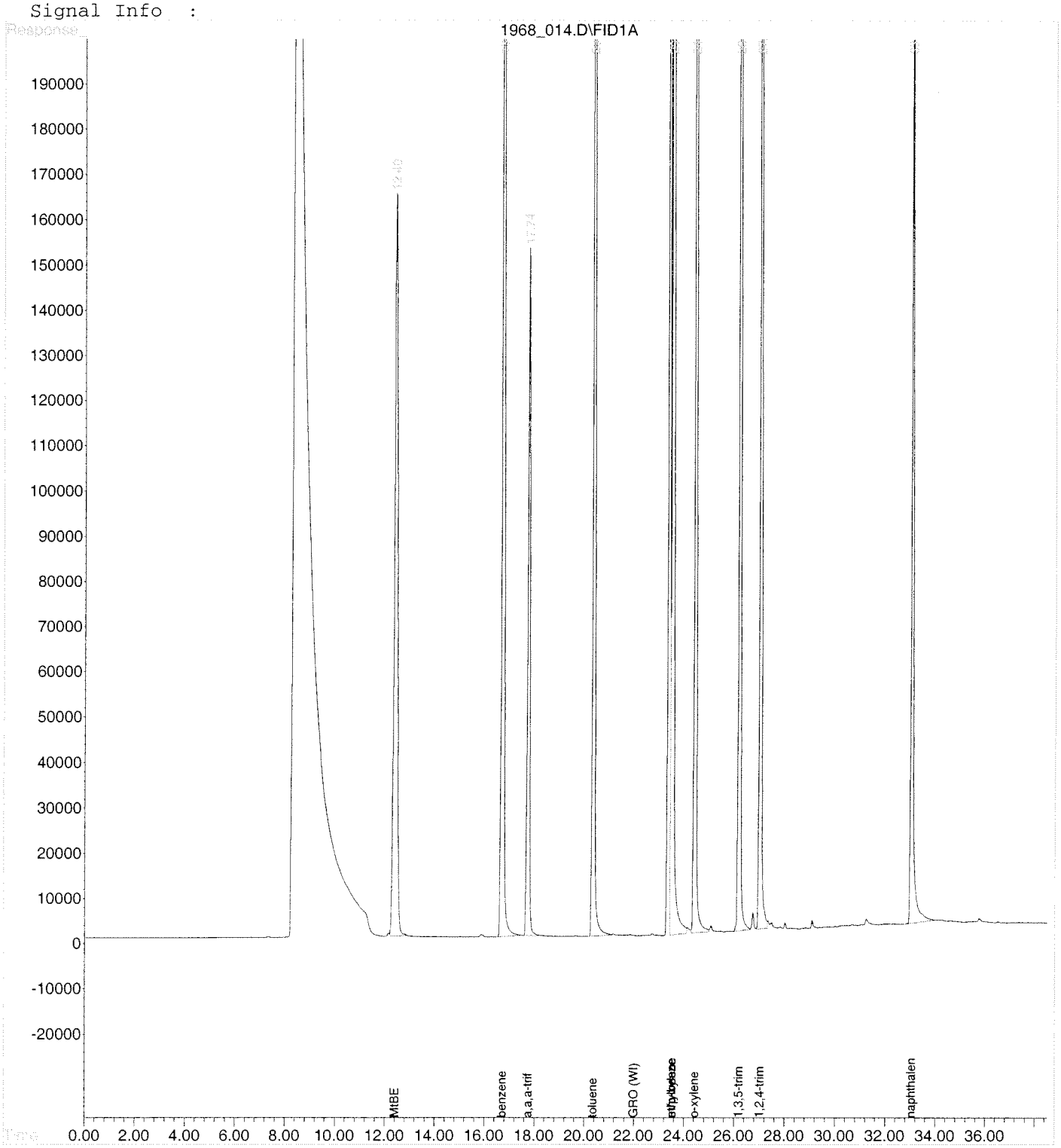
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1969\1968_014.D
Acq On : 11 May 2007 2:31
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 11 8:14 2007 Quant Results File: GROW.RES

Vial: 14
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



CASE NARRATIVE
GC GROUP
GRO ANALYSIS
METHOD SW846-8015b, 5030

SAMPLE #	A768792	CGC-11-6	A768794	CGC-11-8
	A768793	CGC-11-7		

These samples were analyzed according to normal procedures and all data quality acceptance criteria were satisfied.

GC Analyst

Heritage Environmental Services, LLC

File/Run # 1962

Analysis Start Date 5/6/07 Analysis Start Time 20:14 LIMS RunID

Analyst 1367 B. WOOD Reviewer 5-8-07 DE Recorder

Instr. 51 Channel 1 DE Reviewer

GC/FID/FID

L-4 CCV R Method 439 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			2.23		mg/L ~~MG/KG~~	2.50		89.2	
3255	(TRIFLUOROMETHYL)BENZENE					61.2%				

Analytical Comments

Dilution

1185 BLA02 R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5mL PrepPage FS1185

PCode	Parameter	Q# 1948972	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	MG/KG				
3255	(TRIFLUOROMETHYL)BENZENE					70.0 %				

Analytical Comments

Dilution 1:50

1185 LCS R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5mL PrepPage FS1185

PCode	Parameter	Q# 1948973	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		2.49	122.0		MG/KG	125.0		97.6	
3255	(TRIFLUOROMETHYL)BENZENE					73.6 %				

Analytical Comments

Dilution 1:50

A767888 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.98 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				104.8	% Rec	

Analytical Comments

Dilution 1:50

A767888 SPI02 R Method 439 SW846-8015B Matrix S Initial 5.06 Final 5mL PrepPage FS1185

PCode	Parameter	Q# 1948974	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		3.50	172.9		MG/KG	BDL	123.5	140.0	
3255	(TRIFLUOROMETHYL)BENZENE					103.2%				

Analytical Comments

Dilution 1:50

A767888 DPS02 R Method 439 SW846-8015B Matrix S Initial 4.98 Final 5mL PrepPage FS1185

PCode	Parameter	Q# 1948975	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		3.05	153.1		MG/KG	BDL	125.5	122.0	~~37.4~~ 13.7
3255	(TRIFLUOROMETHYL)BENZENE					90.8 %				

5-8-07

Heritage Environmental Services, LLC

File/Run # 1962

A767888 DPS02 R

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD

Analytical Comments
Dilution 1:50

A767889 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.01 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			84.4		% Rec	

Analytical Comments
Dilution 1:50

A767890 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.05 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			62.8		% Rec	

Analytical Comments
Dilution 1:50

A767891 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.99 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			74.8		% Rec	

Analytical Comments
Dilution 1:50

A767892 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.98 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			80.0		% Rec	

Analytical Comments
Dilution 1:50

1192 BLA02 R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5 ml PrepPage FS1185 92

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD

no post Recovery

Heritage Environmental Services, LLC

File/Run # 1962

DO NOT REPORT

1192 BLA02 R

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD
3250	GASOLINE RANGE ORGANICS (GRO)		BDL	10	MG/KG				
3255	(TRIFLUOROMETHYL)BENZENE				70.4%				

Analytical Comments
Dilution 1:50

1192 LCS R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5mL PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		2.31	115.5		MG/KG	125.0		92.4	
3255	(TRIFLUOROMETHYL)BENZENE					74.8 %				

Analytical Comments
Dilution 1:50

A767701 O409.9 R 0 Method 439 SW846-8015B Matrix S Initial 5.00 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE					% Rec	

Analytical Comments
Dilution 1:50

A767879 O409.9 R 0 Method 439 SW846-8015B Matrix S Initial 5.07 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				103.2	% Rec	

Analytical Comments
Dilution 1:50

L-4 CCV R Method 439 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			2.22	mg/L	~~MG/KG~~	2.50		88.8	
3255	(TRIFLUOROMETHYL)BENZENE					59.6 %				

Analytical Comments
Dilution

L-4 CCV R Method 439 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			2.50	mg/L	~~MG/KG~~	2.50		100.0	
3255	(TRIFLUOROMETHYL)BENZENE					96.0%				

Analytical Comments

Heritage Environmental Services, LLC

File/Run # 1962

CCV R

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD

Dilution

1185 A BLA02 R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5 mL PrepPage FS1185

Q# 1949883

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)		BDL	10	MG/KG				
3255	(TRIFLUOROMETHYL)BENZENE				68.8 %				

Analytical Comments

Dilution 1:50

1185 A LCS R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5 mL PrepPage FS1185

Q# 1949884

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)	2.26	113.0		MG/KG		125.0	90.4	
3255	(TRIFLUOROMETHYL)BENZENE				71.6 %				

Analytical Comments

Dilution 1:50

A768783 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.01 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------				71.2		
3255	(TRIFLUOROMETHYL)BENZENE					% Rec	

Analytical Comments

Dilution 1:50

A768784 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.02 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				68.8	% Rec	

Analytical Comments

Dilution 1:50

A768785 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.01 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				72.8	% Rec	

Analytical Comments

Heritage Environmental Services, LLC

File/Run # 1962

A768785 O409.9 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie

Dilution ____

A768786 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.99 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				74.0	% Rec	

Analytical Comments

Dilution 1:50

A768792 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.10 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				77.2	% Rec	

Analytical Comments

Dilution 1:50

A768793 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.97 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				97.6	% Rec	

Analytical Comments

Dilution 1:50

A768794 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.02 Final 5 ML PrepPage FS1185

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE				78.8	% Rec	

Analytical Comments

Dilution 1:50

L-4 CCV R Method 439 SW846-8015B Matrix ____ Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			2.45	mg/L	~~MG/KG~~	2.50		99.6	

Heritage Environmental Services, LLC

File/Run # 1962

L-4 CCV R

PCode	Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD
3255	(TRIFLUOROMETHYL)BENZENE			64.4%					

Analytical Comments

Dilution

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR GRO

LIMS R518608

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA	Q1948972	BLA02	P239.D	4/30/07	BJW/1367	5.00 g	5 mL	W / 1103		
LCS	Q1948973	LCS				5.00 g	mL	/		
A767866	Q1948974	SPI02				5.06 g	mL	/		
A767868	Q1948975	DPS02				4.98 g	mL	/		
A767888	EC-1					4.98 g	mL	/		
889	WC-1					5.01 g	mL	/		
890	WC-2					5.05 g	mL	/		
891	W-2					4.99 g	mL	/		
892	W-1					4.98 g	mL	/		5-1-07
	Q1949883	BLA02	P239.D	5/2/07	BJW/1367	5.00 g	5 mL	W / 1103		
	Q1949884	LCS				5.00 g	mL	/		
A766783	4335-2					5.01 g	mL	/		
784	4335-3					5.02 g	mL	/		
785	4335-4					5.01 g	mL	/		
786	5-1 composite					4.99 g	mL	/		
787	CCL-11-1					5.01 g	mL	/		
788	-2					5.15 g	mL	/		
789	-3					4.98 g	mL	/		comp 5-3-07 HRO

meal
~~MeCL2~~ lot# CS 507 4/30/08 PENTANE lot# _____
CS2 lot# _____ ACETONE lot# _____

Prep Page FID S-

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR GRO

LIMS

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA		BLA02				g	mL	/		
LCS		LCS				g	mL	/		
		SPI02				g	mL	/		
		DPS02				g	mL	/		
A768790	GGC-11-4		P239.0	5/2/07	BJW/1342	5.09 g	5 mL	4 / 1023		
791	-5					5.04 g	mL	/		
792	-6					5.10 g	mL	/		
793	-7					4.97 g	mL	/		
794	-8					5.02 g	mL	/		
795	-9					5.05 g	mL	/		
796	-10					5.07 g	mL	/		
797	-11					5.04 g	mL	/		COMP 5-3-07 RKF
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		

~~MeCL2 lot#~~ MeOH lot# CS 554 4/20/08
CS2 lot# _____

PENTANE lot# _____
ACETONE lot# _____

Prep Page FID S-

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

GRO Reporting Limits

METHOD	SW846-8015(mod)		**Reporting Limits**
MATRIX			
WATER			
LCS (LFB)	GRO	*	**75.6-118**
MS/MSD	GRO	*	**69.1-124**
SURROGATE	Trifluoromethylbenzene		**48.6-124.8**
SOIL			
LCS (LFB)	GRO		**57.6-119**
MS/MSD	GRO		**43.1-135**
SURROGATE	Trifluoromethylbenzene		**50-150**

control chart limts were wider than those being

updated 3/2007

*=insufficient data points available

Response Factor Report HP5890

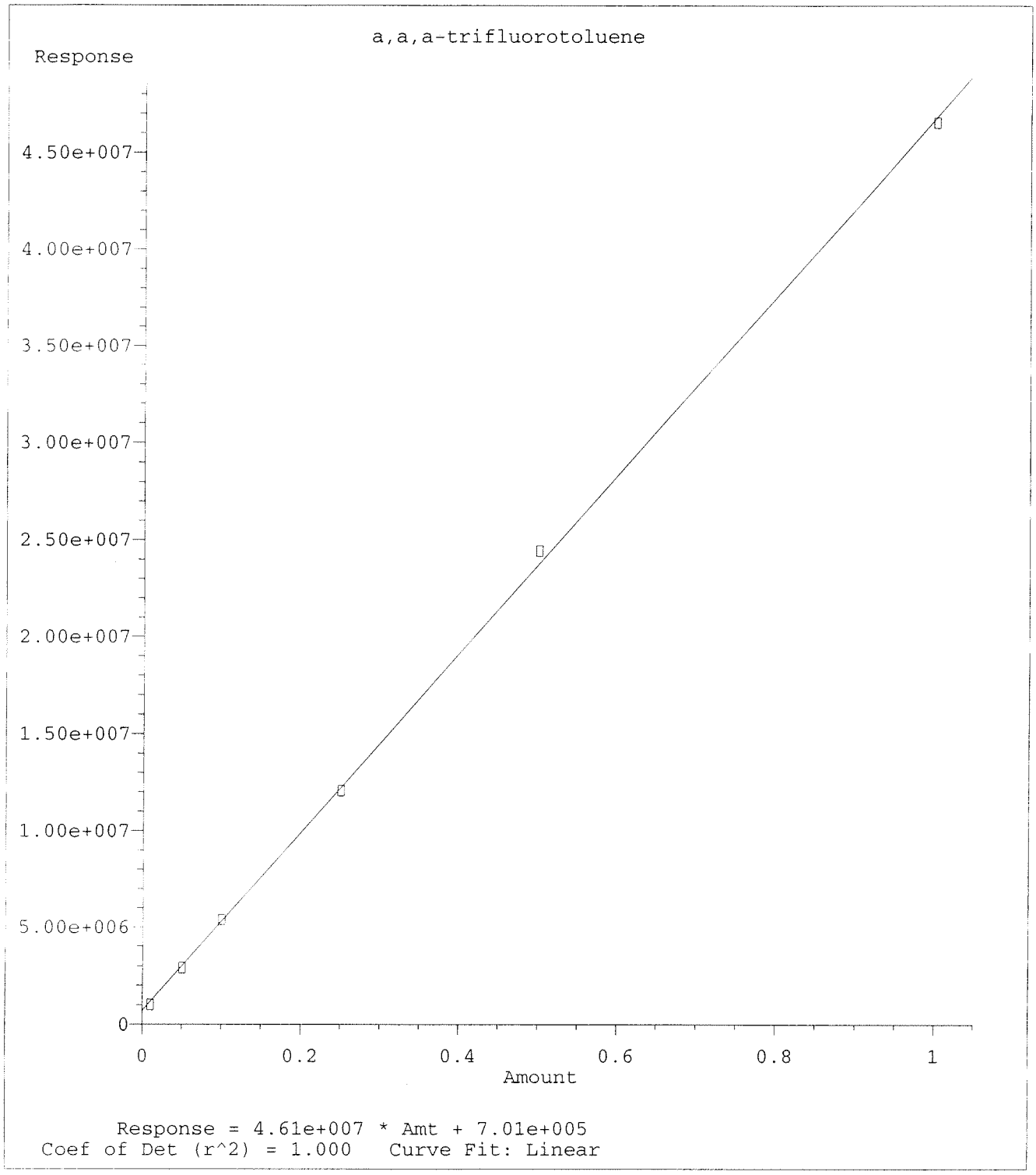
Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007

Calibration Files
L-1 =1852_002.D L-2 =1852_003.D L-3 =1852_004.D
L-4 =1852_005.D L-5 =1852_006.D L-6 =1852_007.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD	
1)	S	a,a,a-trifluorotolu	1.008	0.576	0.538	0.483	0.489	0.465	0.593	E8	34.96	r^2=1.00
2)	H	GRO (WI)	8.154	8.721	8.893	8.544	9.106	8.847	8.711	E7	3.79	
3)	M	MtBE	4.215	6.589	6.612	6.289	6.803	6.105	6.102	E7	15.69	
4)	M	benzene	0.908	1.023	1.039	0.966	1.049	0.983	0.994	E8	5.36	
5)	M	toluene	0.925	0.983	0.992	0.940	1.005	0.959	0.968	E8	3.25	
6)	M	ethylbenzene	6.805	8.196	8.710	8.475	9.202	8.888	8.379	E7	10.08	
7)	M	m/p-xylene	1.567	1.986	2.001	1.854	1.970	1.962	1.890	E8	8.81	
8)	M	o-xylene	0.853	1.010	1.023	0.963	1.041	0.981	0.978	E8	6.89	
9)	M	1,3,5-trimethylbenz	6.606	8.140	8.988	8.550	8.798	8.968	8.342	E7	10.88	
10)	M	1,2,4-trimethylbenz	7.420	7.808	8.789	8.733	9.282	9.216	8.541	E7	8.91	
11)	M	naphthalene	3.255	4.501	4.634	5.408	5.554	5.769	4.854	E7	19.25	

(#) = Out of Range

GROW.M Tue May 08 09:50:37 2007



Method Name: N:\1\METHODS\GROW.M
Calibration Table Last Updated: Mon May 07 11:16:53 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_002.D
Acq On : 6 May 2007 21:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	30.999 E6	47.7#	64	0.14	see%drift
2	H	GRO (WI)	87.108	77.539 E6	11.0	91	0.00	
3	M	MtBE	61.022	0.120 E6	99.8#	0#	-0.02	
4	M	benzene	99.450	87.046 E6	12.5	90	0.16	
5	M	toluene	96.758	84.781 E6	12.4	90	0.11	
6	M	ethylbenzene	83.793	77.782 E6	7.2	92	0.08	
7	M	m/p-xylene	188.992	77.782 E6	58.8#	42#	-0.06	
8	M	o-xylene	97.831	87.981 E6	10.1	91	0.09	
9	M	1,3,5-trimethylbenzene	83.416	76.606 E6	8.2	90	0.08	
10	M	1,2,4-trimethylbenzene	85.413	79.676 E6	6.7	91	0.07	
11	M	naphthalene	48.536	56.188 E6	-15.8#	104	0.08	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 09:51:26 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_002.D
Acq On : 6 May 2007 21:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.153	38.8#	64	0.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 09:52:06 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_016.D
Acq On : 7 May 2007 7:47
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 16
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	30.373 E6	48.8#	63	-0.03	see%drift
2	H	GRO (WI)	87.108	77.229 E6	11.3	90	0.00	
3	M	MtBE	61.022	54.919 E6	10.0	87	-0.02	
4	M	benzene	99.450	88.035 E6	11.5	91	-0.03	
5	M	toluene	96.758	85.143 E6	12.0	91	-0.04	
6	M	ethylbenzene	83.793	78.186 E6	6.7	92	-0.06	
7	M	m/p-xylene	188.992	165.508 E6	12.4	89	-0.05	
8	M	o-xylene	97.831	88.577 E6	9.5	92	-0.05	
9	M	1,3,5-trimethylbenzene	83.416	77.922 E6	6.6	91	-0.06	
10	M	1,2,4-trimethylbenzene	85.413	80.797 E6	5.4	93	-0.06	
11	M	naphthalene	48.536	50.506 E6	-4.1	93	-0.08	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 09:57:48 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_016.D
Acq On : 7 May 2007 7:47
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 16
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.149	40.4#	63	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 09:58:25 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_018.D
Acq On : 7 May 2007 16:30
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	47.046 E6	20.7#	97	0.04	see%drift
2	H	GRO (WI)	87.108	87.040 E6	0.1	102	0.00	
3	M	MtBE	61.022	58.593 E6	4.0	93	0.08	
4	M	benzene	99.450	97.883 E6	1.6	101	0.05	
5	M	toluene	96.758	95.749 E6	1.0	102	0.02	
6	M	ethylbenzene	83.793	89.093 E6	-6.3	105	0.00	
7	M	m/p-xylene	188.992	189.452 E6	-0.2	102	0.00	
8	M	o-xylene	97.831	98.311 E6	-0.5	102	0.00	
9	M	1,3,5-trimethylbenzene	83.416	88.449 E6	-6.0	103	0.00	
10	M	1,2,4-trimethylbenzene	85.413	91.099 E6	-6.7	104	0.00	
11	M	naphthalene	48.536	58.599 E6	-20.7#	108	-0.01	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 09:58:57 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_018.D
Acq On : 7 May 2007 16:30
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.240	4.0	97	0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 09:59:31 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_034.D
Acq On : 8 May 2007 4:54
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	41.830 E6	29.5#	87	-0.04	se%drift
2	H	GRO (WI)	87.108	86.717 E6	0.4	101	0.00	
3	M	MtBE	61.022	61.075 E6	-0.1	97	-0.04	
4	M	benzene	99.450	98.882 E6	0.6	102	-0.04	
5	M	toluene	96.758	95.591 E6	1.2	102	-0.04	
6	M	ethylbenzene	83.793	88.372 E6	-5.5	104	-0.05	
7	M	m/p-xylene	188.992	187.981 E6	0.5	101	-0.05	
8	M	o-xylene	97.831	98.928 E6	-1.1	103	-0.04	
9	M	1,3,5-trimethylbenzene	83.416	86.620 E6	-3.8	101	-0.05	
10	M	1,2,4-trimethylbenzene	85.413	89.586 E6	-4.9	103	-0.05	
11	M	naphthalene	48.536	57.303 E6	-18.1#	106	-0.06	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 10:00:27 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1962\1962_034.D
Acq On : 8 May 2007 4:54
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.211	15.6#	87	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Tue May 08 10:00:59 2007

Data File : N:\1\DATA\1852\1852_002.D
Acq On : 19 Feb 2007 16:41
Sample : GRO L-1
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 09:48:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.38	1008262	0.017 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	6.80%#
Target Compounds			
2) H GRO (WI)	18.00	8153883	0.094 mg/L
3) M MtBE	9.12	421536	0.007 mg/L
4) M benzene	13.17	907773	0.009 mg/L
5) M toluene	17.05	924950	0.010 mg/L
6) M ethylbenzene	20.23	680507	0.008 mg/L
7) M m/p-xylene	20.39	1566783	0.008 mg/L
8) M o-xylene	21.32	853307	0.009 mg/L
9) M 1,3,5-trimethylbenzene	23.20	660558	0.008 mg/L
10) M 1,2,4-trimethylbenzene	24.04	742030	0.009 mg/L
11) M naphthalene	29.94	325480	0.007 mg/L

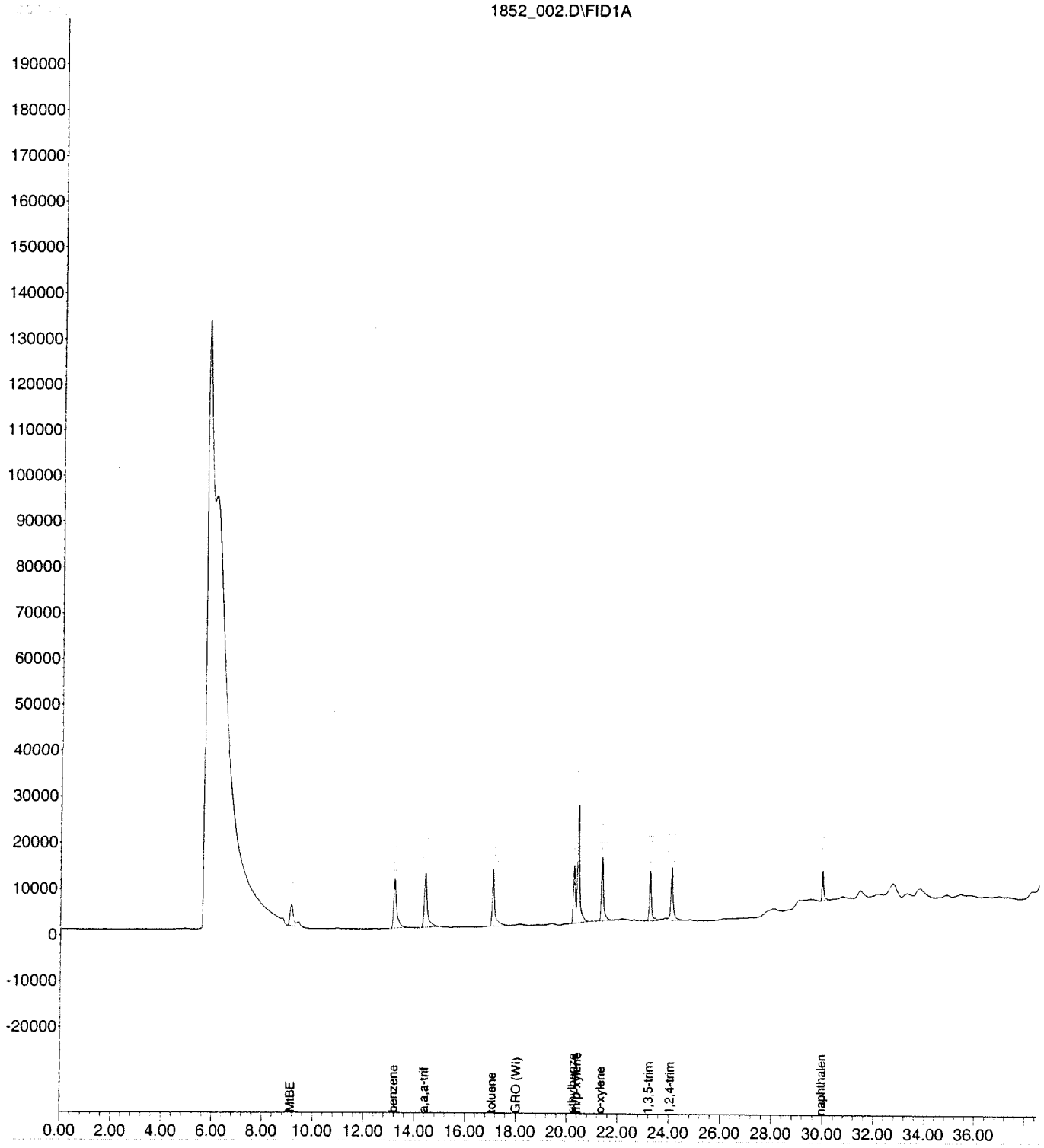
Data File : N:\1\DATA\1852\1852_002.D
Acq On : 19 Feb 2007 16:41
Sample : GRO L-1
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 09:48:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1852_002.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_003.D
Acq On : 19 Feb 2007 17:27
Sample : GRO L-2
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.37	2879647	0.049 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	19.60%#
Target Compounds			
2) H GRO (WI)	18.00	43603153	0.501 mg/L
3) M MtBE	9.09	3294325	0.054 mg/L
4) M benzene	13.16	5113162	0.051 mg/L
5) M toluene	17.04	4916943	0.051 mg/L
6) M ethylbenzene	20.22	4098082	0.049 mg/L
7) M m/p-xylene	20.38	9927985	0.053 mg/L
8) M o-xylene	21.31	5048364	0.052 mg/L
9) M 1,3,5-trimethylbenzene	23.19	4069995	0.049 mg/L
10) M 1,2,4-trimethylbenzene	24.03	3903750	0.046 mg/L
11) M naphthalene	29.92	2250450	0.046 mg/L

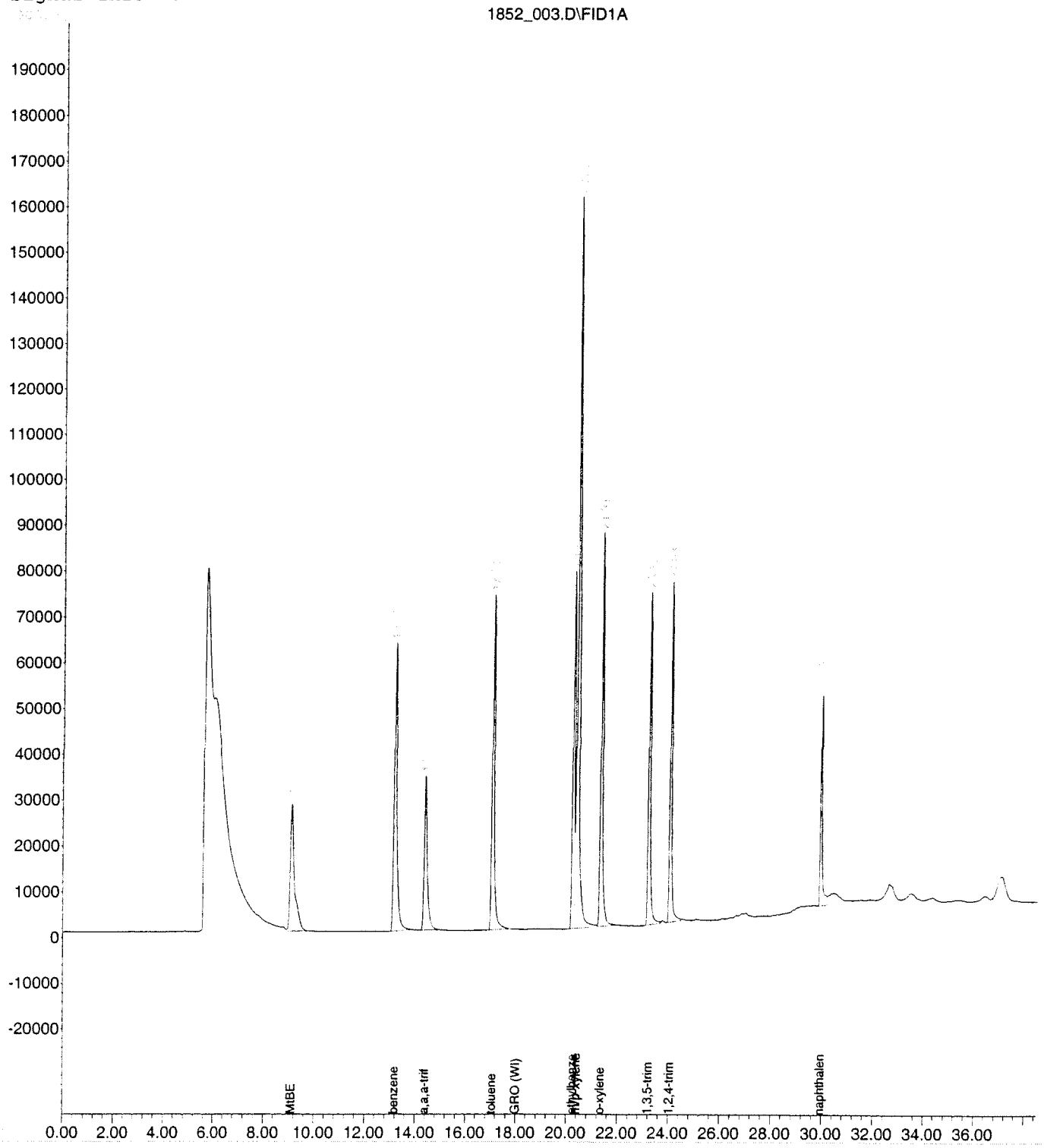
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_003.D
Acq On : 19 Feb 2007 17:27
Sample : GRO L-2
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_004.D
Acq On : 19 Feb 2007 18:14
Sample : GRO L-3
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.37	5379430	0.091 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 36.40%#
		Target Compounds			
2)	H	GRO (WI)	18.00	88927984	1.021 mg/L
3)	M	MtBE	9.07	6611747	0.108 mg/L
4)	M	benzene	13.15	10390784	0.104 mg/L
5)	M	toluene	17.04	9922967	0.103 mg/L
6)	M	ethylbenzene	20.22	8709659	0.104 mg/L
7)	M	m/p-xylene	20.38	20006479	0.106 mg/L
8)	M	o-xylene	21.32	10225052	0.105 mg/L
9)	M	1,3,5-trimethylbenzene	23.20	8987549	0.108 mg/L
10)	M	1,2,4-trimethylbenzene	24.04	8789375	0.103 mg/L
11)	M	naphthalene	29.92	4634357	0.095 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

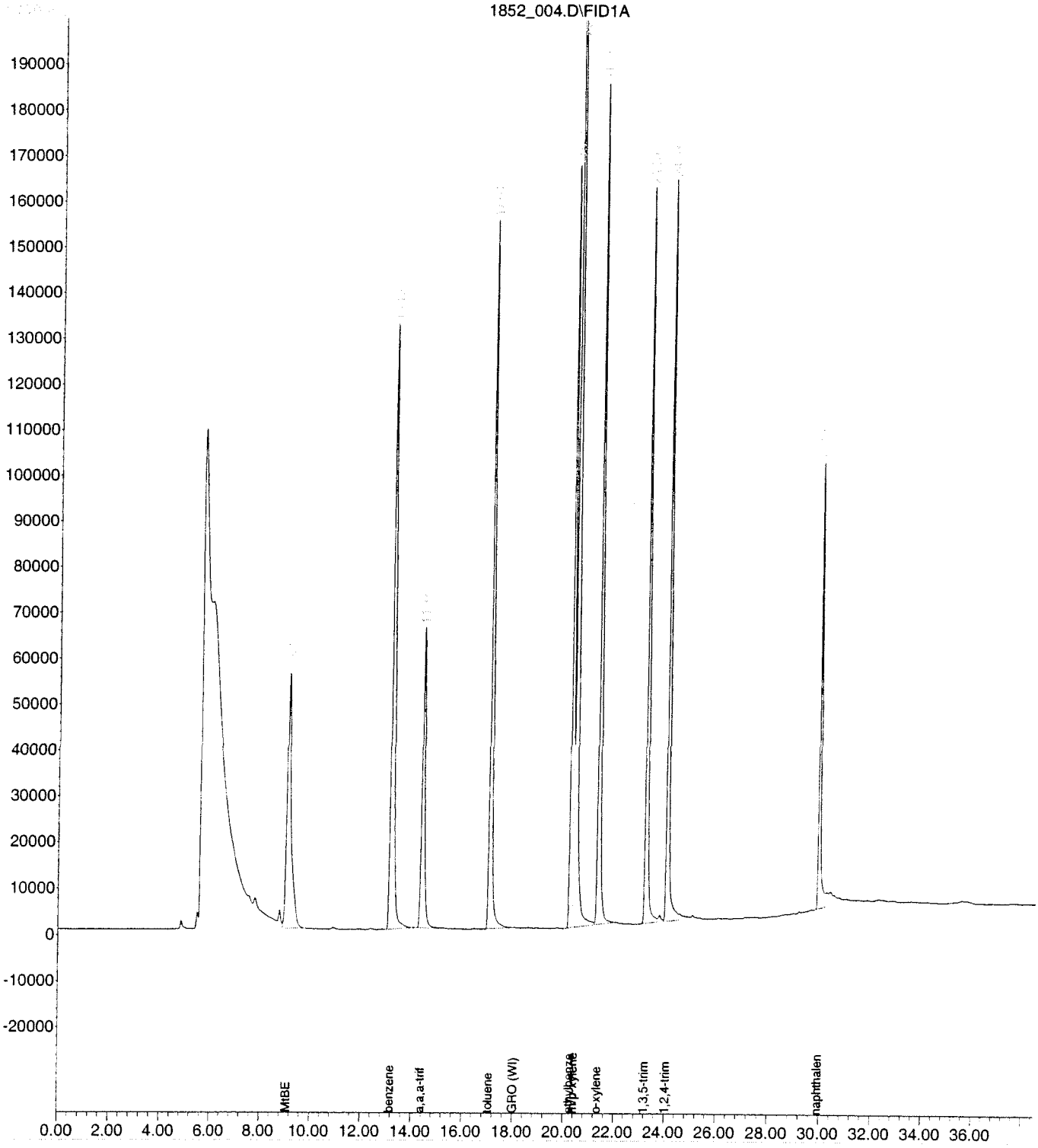
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_004.D
Acq On : 19 Feb 2007 18:14
Sample : GRO L-3
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_005.D
Acq On : 19 Feb 2007 19:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.35	12077444	0.204 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	81.60%
Target Compounds			
2) H GRO (WI)	18.00	213593047	2.452 mg/L
3) M MtBE	9.07	15723342	0.258 mg/L
4) M benzene	13.14	24143787	0.243 mg/L
5) M toluene	17.02	23509433	0.243 mg/L
6) M ethylbenzene	20.21	21187170	0.253 mg/L
7) M m/p-xylene	20.37	46354106	0.245 mg/L
8) M o-xylene	21.30	24068992	0.246 mg/L
9) M 1,3,5-trimethylbenzene	23.18	21376068	0.256 mg/L
10) M 1,2,4-trimethylbenzene	24.02	21832655	0.256 mg/L
11) M naphthalene	29.92	13520803	0.279 mg/L

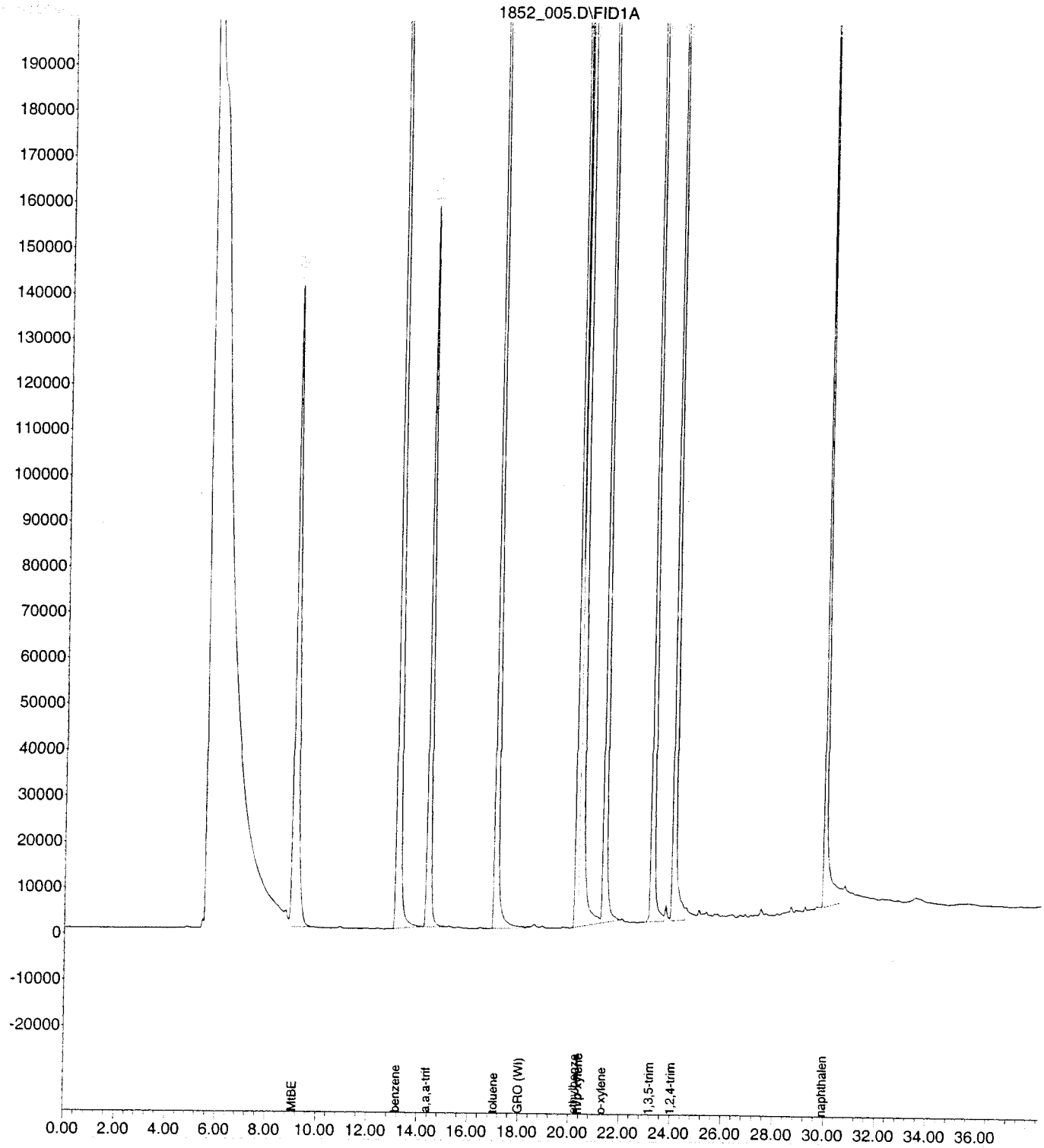
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_005.D
Acq On : 19 Feb 2007 19:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : N:\1\DATA\1852\1852_006.D Vial: 6
Acq On : 19 Feb 2007 19:47 Operator: HP Demo
Sample : GRO L-5 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.36	24432441	0.412 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	164.80%#
Target Compounds			
2) H GRO (WI)	18.00	455315940	5.227 mg/L
3) M MtBE	9.06	34016759	0.557 mg/L
4) M benzene	13.14	52446155	0.527 mg/L
5) M toluene	17.03	50274715	0.520 mg/L
6) M ethylbenzene	20.22	46010504	0.549 mg/L
7) M m/p-xylene	20.38	98492046	0.521 mg/L
8) M o-xylene	21.31	52053132	0.532 mg/L
9) M 1,3,5-trimethylbenzene	23.20	43991208	0.527 mg/L
10) M 1,2,4-trimethylbenzene	24.03	46408423	0.543 mg/L
11) M naphthalene	29.92	27770324	0.572 mg/L

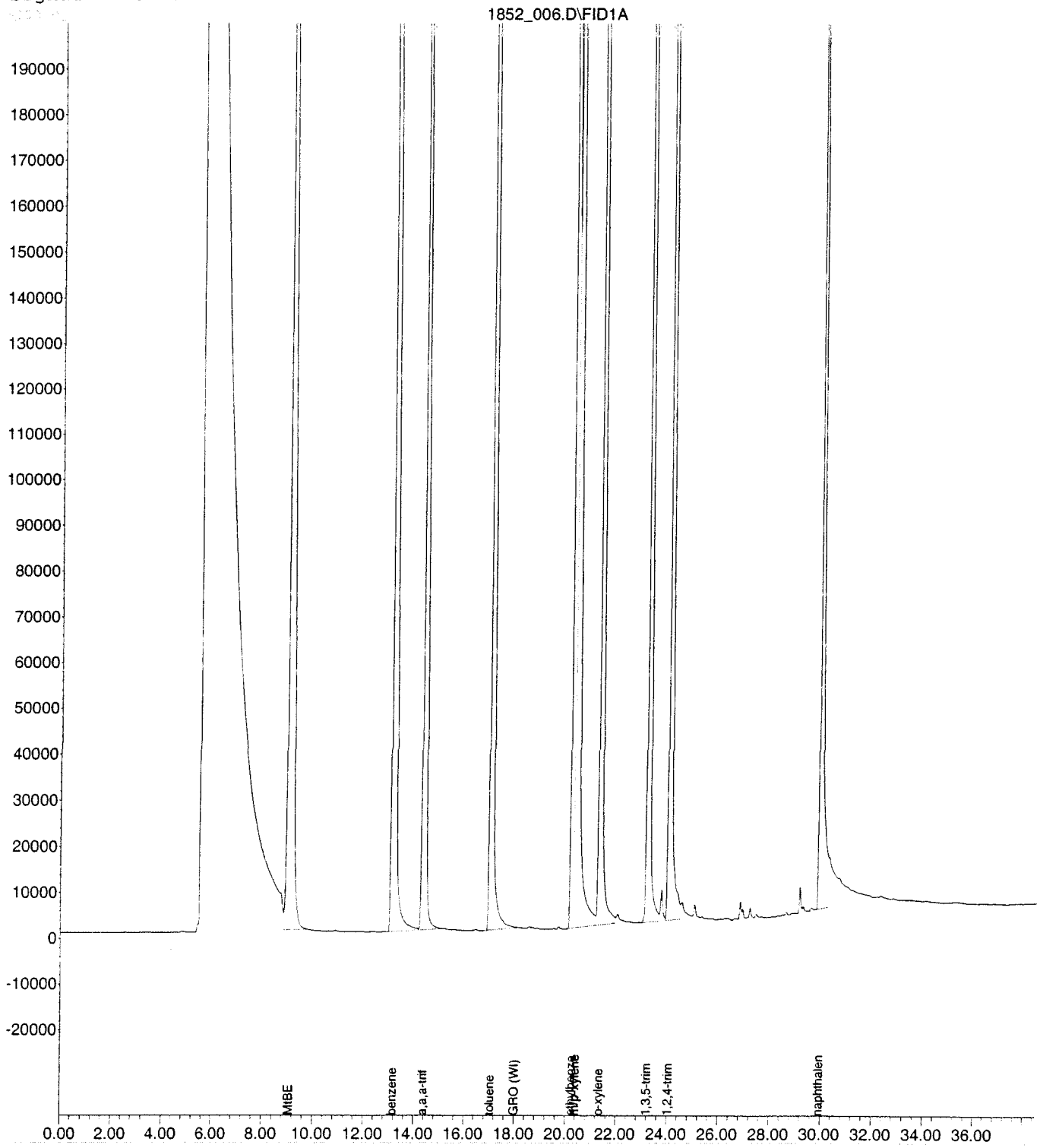
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_006.D
Acq On : 19 Feb 2007 19:47
Sample : GRO L-5
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_007.D
Acq On : 19 Feb 2007 20:33
Sample : GRO L-6
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.37	46538429	0.785 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	314.00%#
Target Compounds			
2) H GRO (WI)	18.00	884743987	10.157 mg/L
3) M MtBE	9.09	61049421	1.000 mg/L
4) M benzene	13.15	98282931	0.988 mg/L
5) M toluene	17.04	95895577	0.991 mg/L
6) M ethylbenzene	20.22	88878681	1.061 mg/L
7) M m/p-xylene	20.39	196247957	1.038 mg/L
8) M o-xylene	21.32	98055392	1.002 mg/L
9) M 1,3,5-trimethylbenzene	23.20	89680688	1.075 mg/L
10) M 1,2,4-trimethylbenzene	24.04	92157696	1.079 mg/L
11) M naphthalene	29.93	57693085	1.189 mg/L

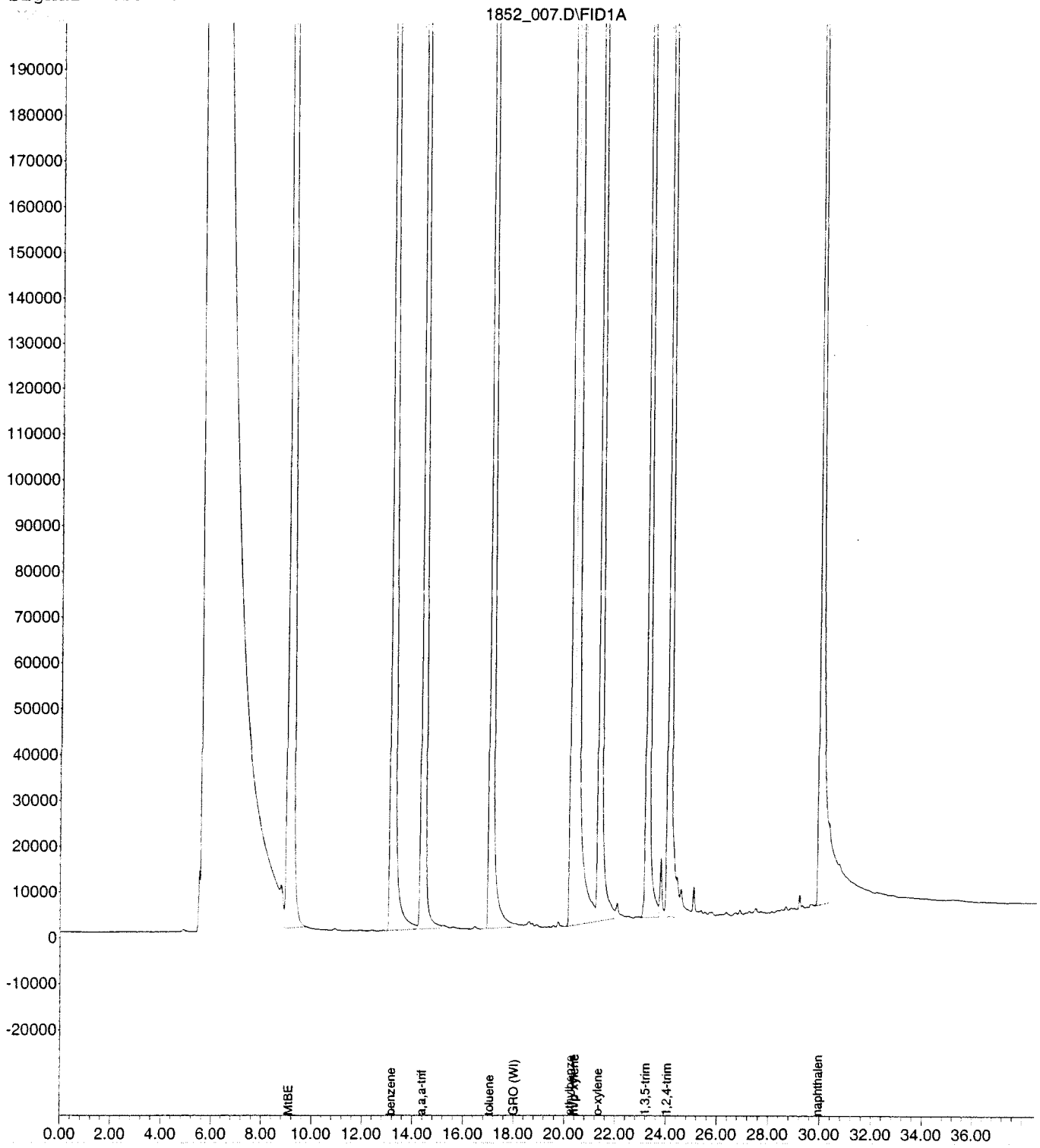
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_007.D
Acq On : 19 Feb 2007 20:33
Sample : GRO L-6
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : N:\1\DATA\1852\1852_008.D
Acq On : 19 Feb 2007 21:19
Sample : ICV01
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 18:08 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:13:00 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.36	11656424	0.237 mg/L
Spiked Amount 0.250 Range 70 - 130 Recovery = 94.80%			
Target Compounds			
2) H GRO (WI)	18.00	152569130	1.751 mg/L
3) M MtBE	8.94f	8193960	0.134 mg/L
4) M benzene	13.15	4553510	0.046 mg/L
5) M toluene	17.03	21882766	0.226 mg/L
6) M ethylbenzene	20.21	4318992	0.052 mg/L
7) M m/p-xylene	20.37	17330643	0.092 mg/L
8) M o-xylene	21.31	6675171	0.068 mg/L
9) M 1,3,5-trimethylbenzene	23.18	2759084	0.033 mg/L
10) M 1,2,4-trimethylbenzene	24.03	7804317	0.091 mg/L
11) M naphthalene	29.92	1990702	0.041 mg/L

Quantitation Report (Not Reviewed)

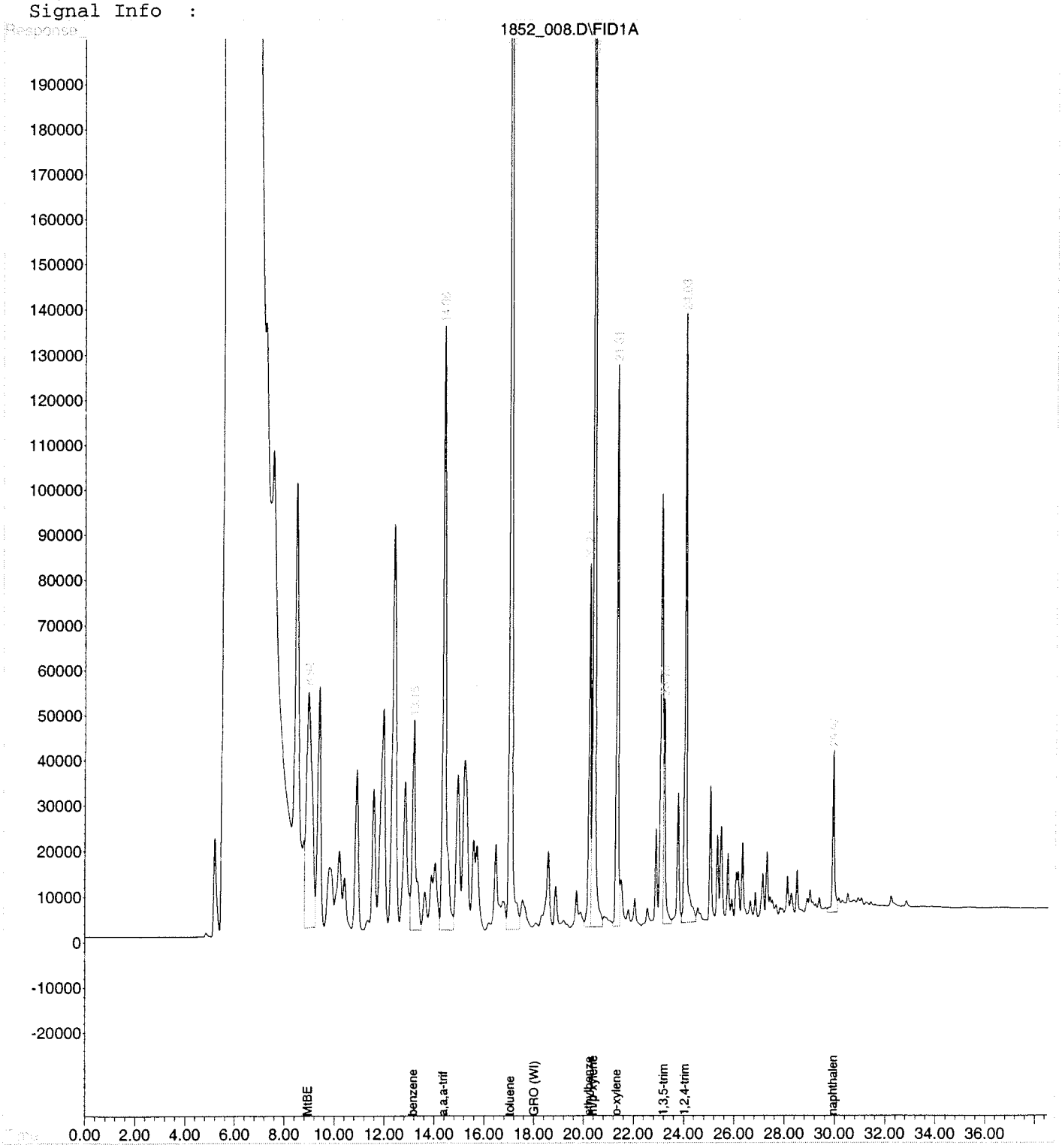
Data File : N:\1\DATA\1852\1852_008.D
Acq On : 19 Feb 2007 21:19
Sample : ICV01
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 18:08 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:13:00 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

ICV01
UNLEADED GASOLINE GR
PATTERN UNDER
CONDITIONS

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_001.D
Acq On : 6 May 2007 20:14
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 7 16:42 2007 Quant Results File: GROW.RES

Vial: 1
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount	0.250 Range 70 - 130	Recovery =	0.00%#		
	Target Compounds				
2) H	GRO (WI)	22.00	531025	0.006	mg/L
3) M	MtBE	0.00	0	N.D.	mg/L
4) M	benzene	0.00	0	N.D.	mg/L
5) M	toluene	0.00	0	N.D.	mg/L
6) M	ethylbenzene	0.00	0	N.D.	mg/L
7) M	m/p-xylene	0.00	0	N.D.	mg/L
8) M	o-xylene	0.00	0	N.D.	mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11) M	naphthalene	33.26f	38180	0.001	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

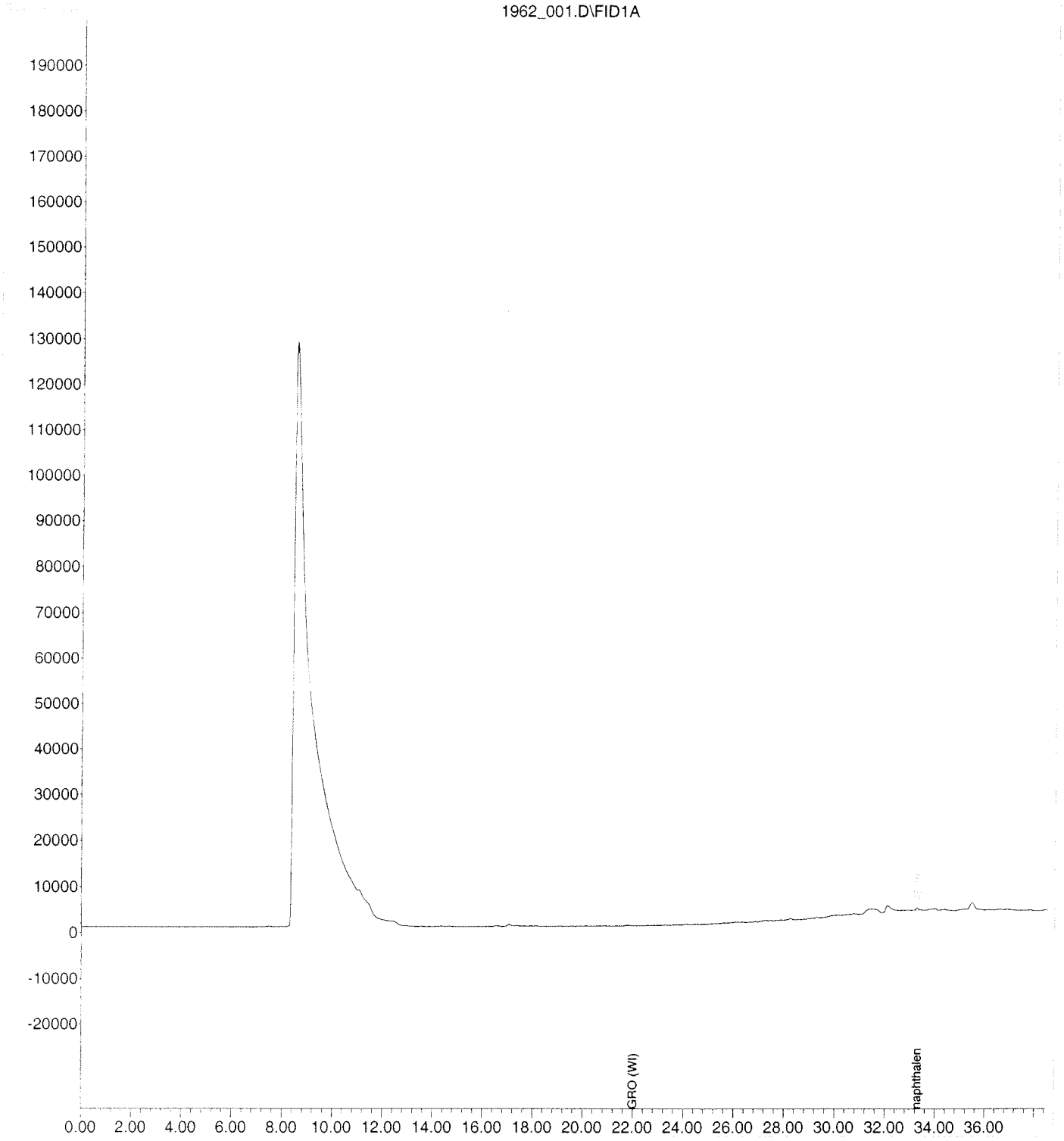
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_001.D
Acq On : 6 May 2007 20:14
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 7 16:42 2007 Quant Results File: GROW.RES

Vial: 1
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_002.D
Acq On : 6 May 2007 21:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 7 16:42 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.96f	7749761	0.153 mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	61.20%#
		Target Compounds			
2)	H	GRO (WI)	22.00	193847543	2.225 mg/L
3)	M	MtBE	12.47	30078	0.000 mg/L
4)	M	benzene	16.95f	21761601	0.219 mg/L
5)	M	toluene	20.54f	21195209	0.219 mg/L
6)	M	ethylbenzene	23.53f	19445615	0.232 mg/L
7)	M	m/p-xylene	23.53f	19445615	0.103 mg/L
8)	M	o-xylene	24.59	21995259	0.225 mg/L
9)	M	1,3,5-trimethylbenzene	26.35	19151404	0.230 mg/L
10)	M	1,2,4-trimethylbenzene	27.17	19918930	0.233 mg/L
11)	M	naphthalene	33.22	14047097	0.289 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

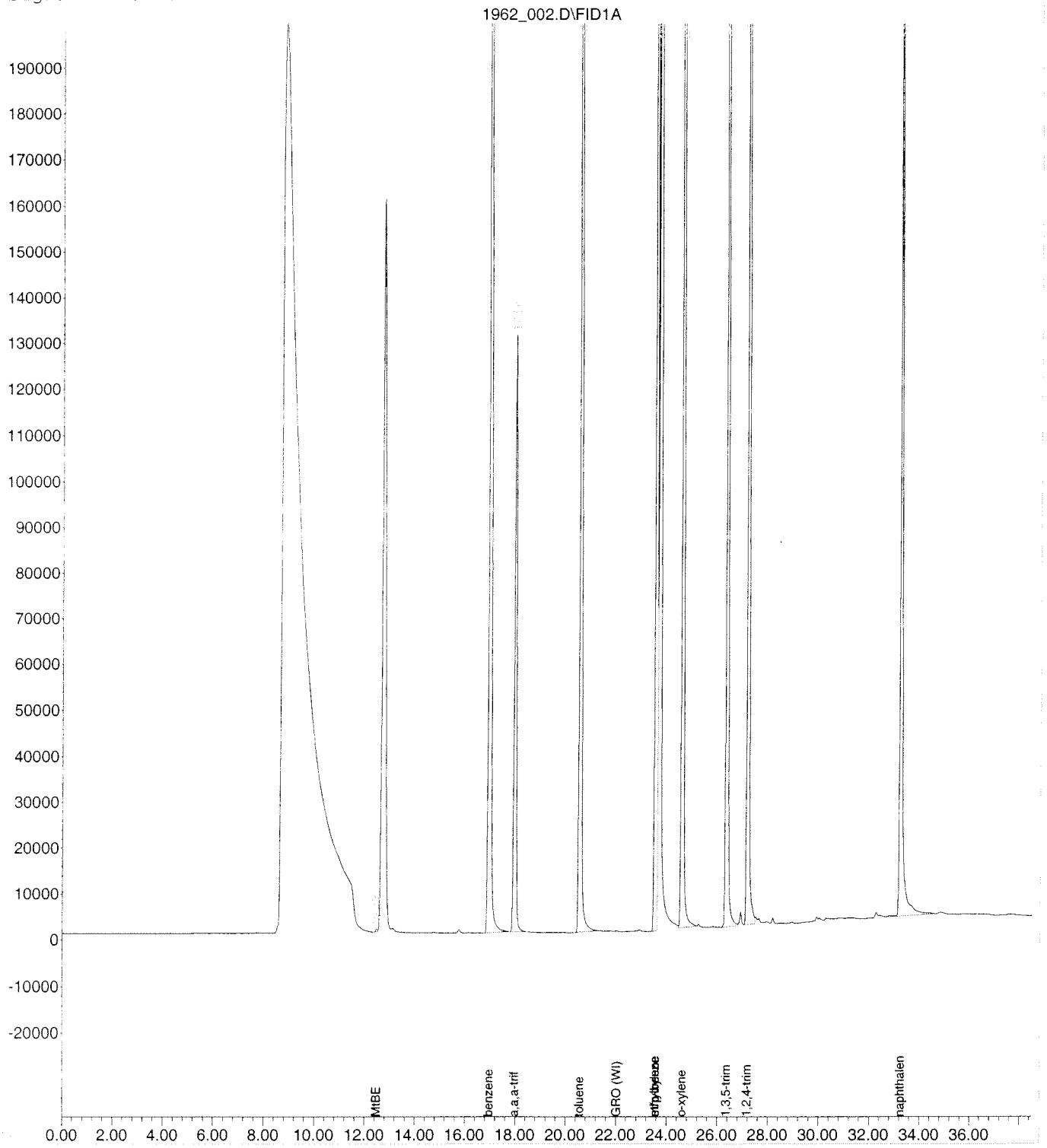
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_002.D
Acq On : 6 May 2007 21:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 7 16:42 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_017.D
Acq On : 7 May 2007 15:44
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 17
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery =	0.00%#
		Target Compounds				
2)	H	GRO (WI)	22.00	346118	0.004	mg/L
3)	M	MtBE	0.00	0	N.D.	mg/L
4)	M	benzene	0.00	0	N.D.	mg/L
5)	M	toluene	0.00	0	N.D.	mg/L
6)	M	ethylbenzene	0.00	0	N.D.	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	0.00	0	N.D.	mg/L
9)	M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10)	M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11)	M	naphthalene	33.32f	45069	0.001	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

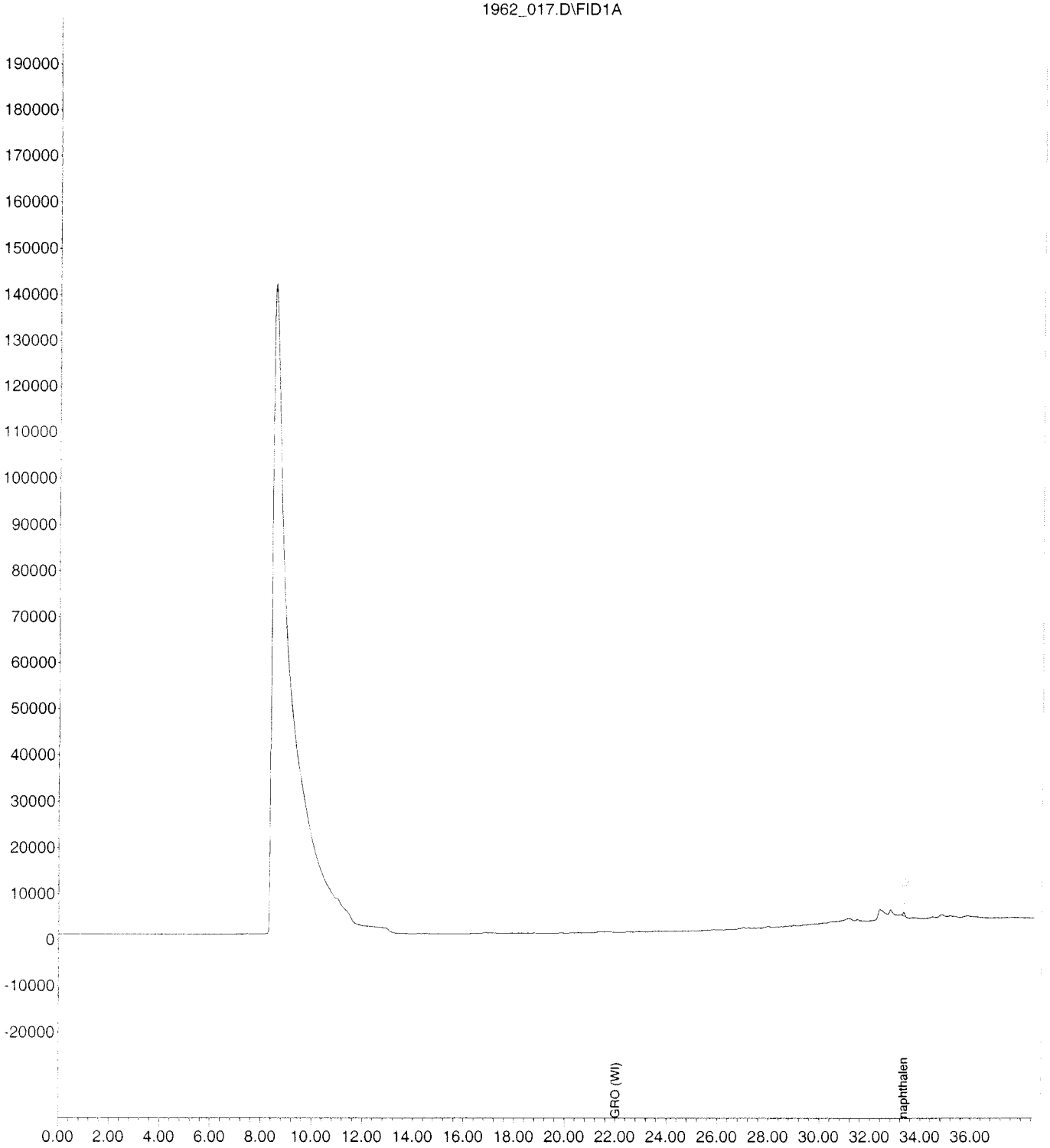
Data File : N:\1\DATA\1962\1962_017.D
Acq On : 7 May 2007 15:44
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 17
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1962_017.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_018.D
Acq On : 7 May 2007 16:30
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.86	11761472	0.240 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 96.00%
		Target Compounds			
2)	H	GRO (WI)	22.00	217601187	2.498 mg/L
3)	M	MtBE	12.57	14648354	0.240 mg/L
4)	M	benzene	16.84	24470662	0.246 mg/L
5)	M	toluene	20.45	23937181	0.247 mg/L
6)	M	ethylbenzene	23.45	22273223	0.266 mg/L
7)	M	m/p-xylene	23.60	47363115	0.251 mg/L
8)	M	o-xylene	24.51	24577816	0.251 mg/L
9)	M	1,3,5-trimethylbenzene	26.27	22112301	0.265 mg/L
10)	M	1,2,4-trimethylbenzene	27.10	22774752	0.267 mg/L
11)	M	naphthalene	33.13	14649743	0.302 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

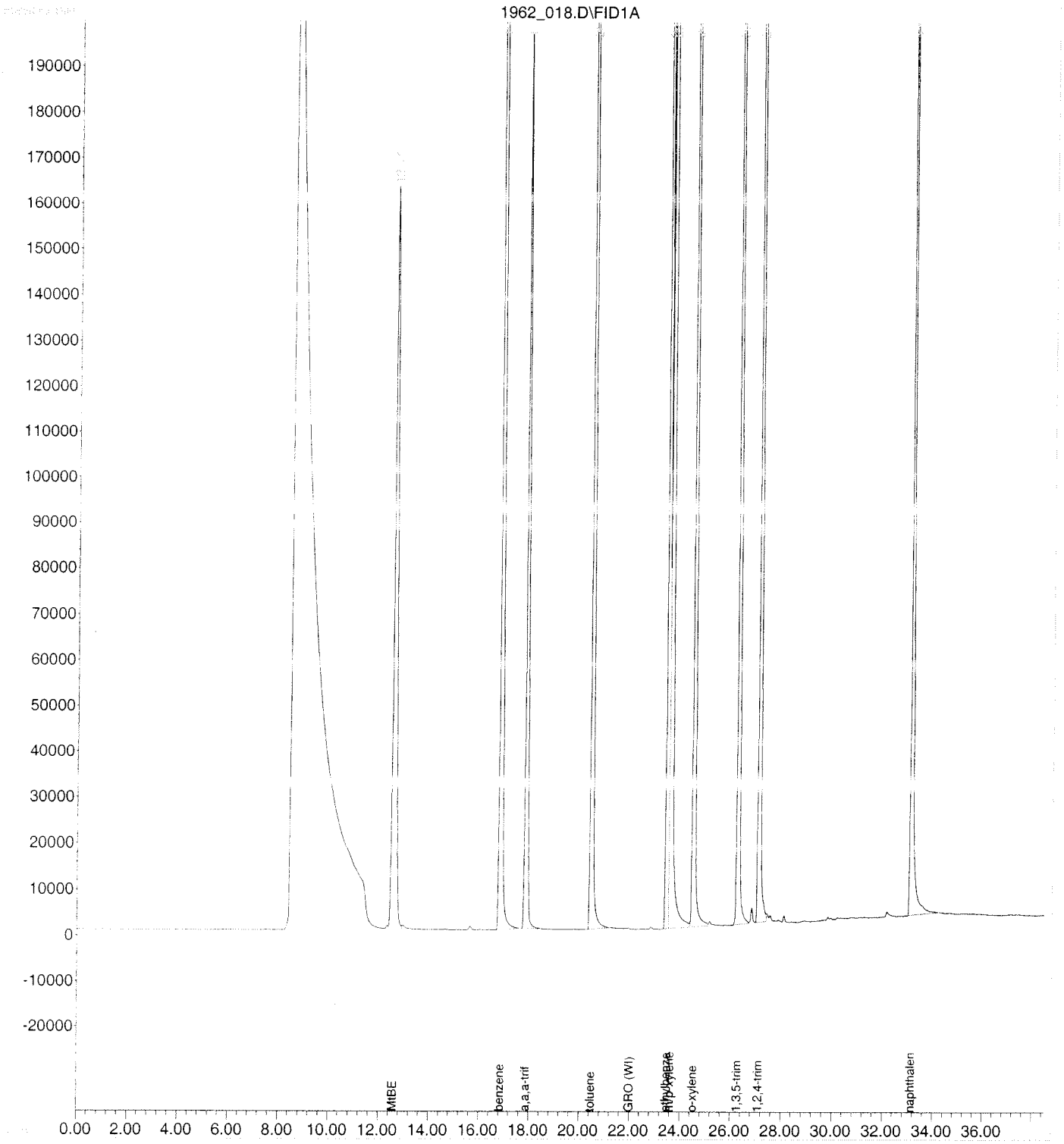
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_018.D
Acq On : 7 May 2007 16:30
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_019.D
Acq On : 7 May 2007 17:17
Sample : BLA FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 19
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.73	8650372	0.172 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 68.80%#
		Target Compounds			
2)	H	GRO (WI)	22.00	1445056	0.017 mg/L
3)	M	MtBE	0.00	0	N.D. mg/L
4)	M	benzene	0.00	0	N.D. mg/L
5)	M	toluene	0.00	0	N.D. mg/L
6)	M	ethylbenzene	23.49	49860	0.001 mg/L
7)	M	m/p-xylene	0.00	0	N.D. mg/L
8)	M	o-xylene	0.00	0	N.D. mg/L
9)	M	1,3,5-trimethylbenzene	26.17f	33743	0.000 mg/L
10)	M	1,2,4-trimethylbenzene	26.99f	91029	0.001 mg/L
11)	M	naphthalene	33.00f	620500	0.013 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

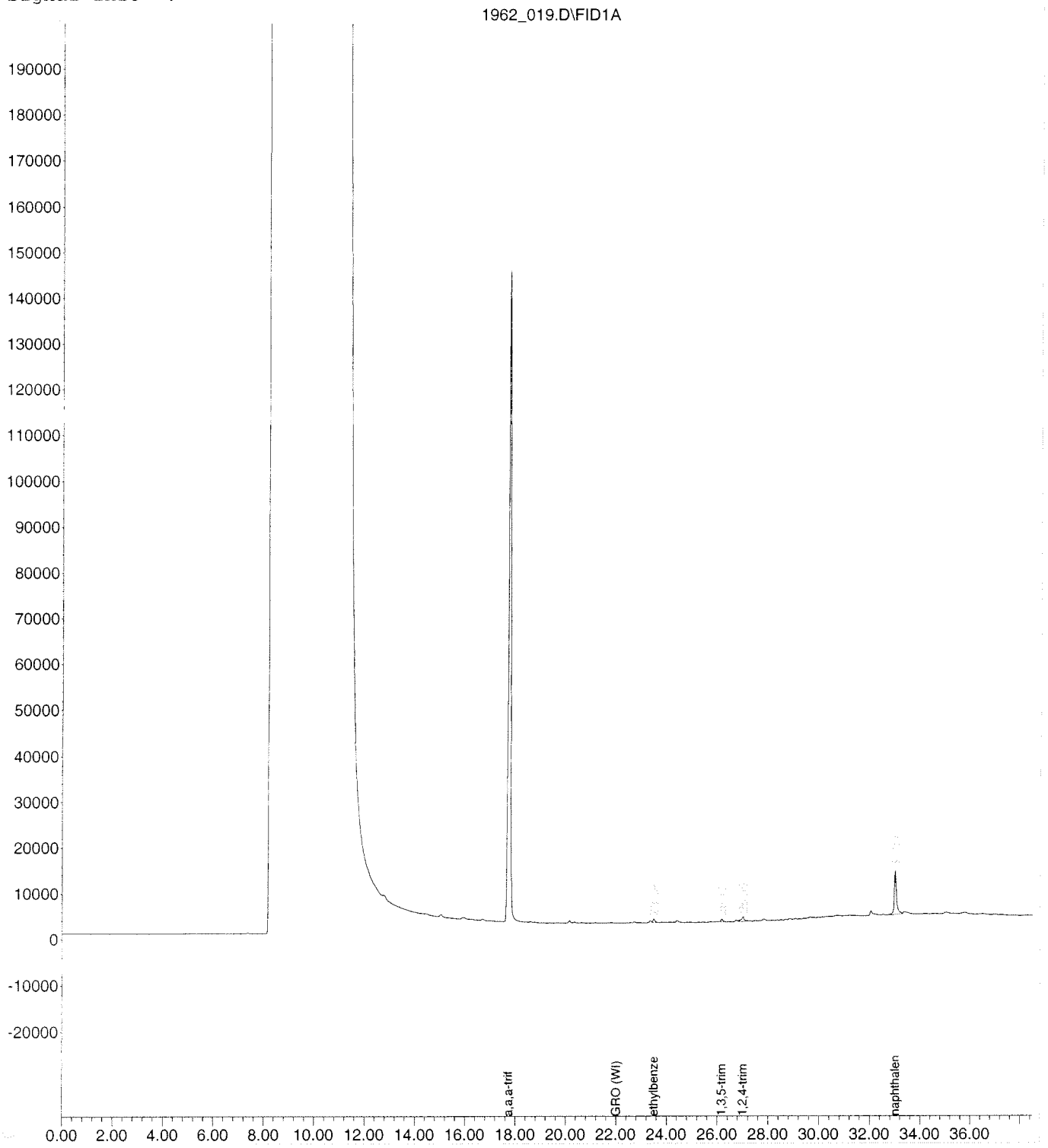
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_019.D
Acq On : 7 May 2007 17:17
Sample : BLA FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 19
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_020.D
Acq On : 7 May 2007 18:03
Sample : LCS FS1186
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 20
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	17.71f	8944175	0.179 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	71.60%
Target Compounds			
2) H GRO (WI)	22.00	196767718	2.259 mg/L
3) M MtBE	12.38f	13646607	0.224 mg/L
4) M benzene	16.67f	22268656	0.224 mg/L
5) M toluene	20.32f	21873601	0.226 mg/L
6) M ethylbenzene	23.48	43574986	0.520 mg/L
7) M m/p-xylene	0.00	0	N.D. mg/L
8) M o-xylene	24.39f	21428630	0.219 mg/L
9) M 1,3,5-trimethylbenzene	26.16f	20786113	0.249 mg/L
10) M 1,2,4-trimethylbenzene	26.99f	20493217	0.240 mg/L
11) M naphthalene	32.99f	11150043	0.230 mg/L

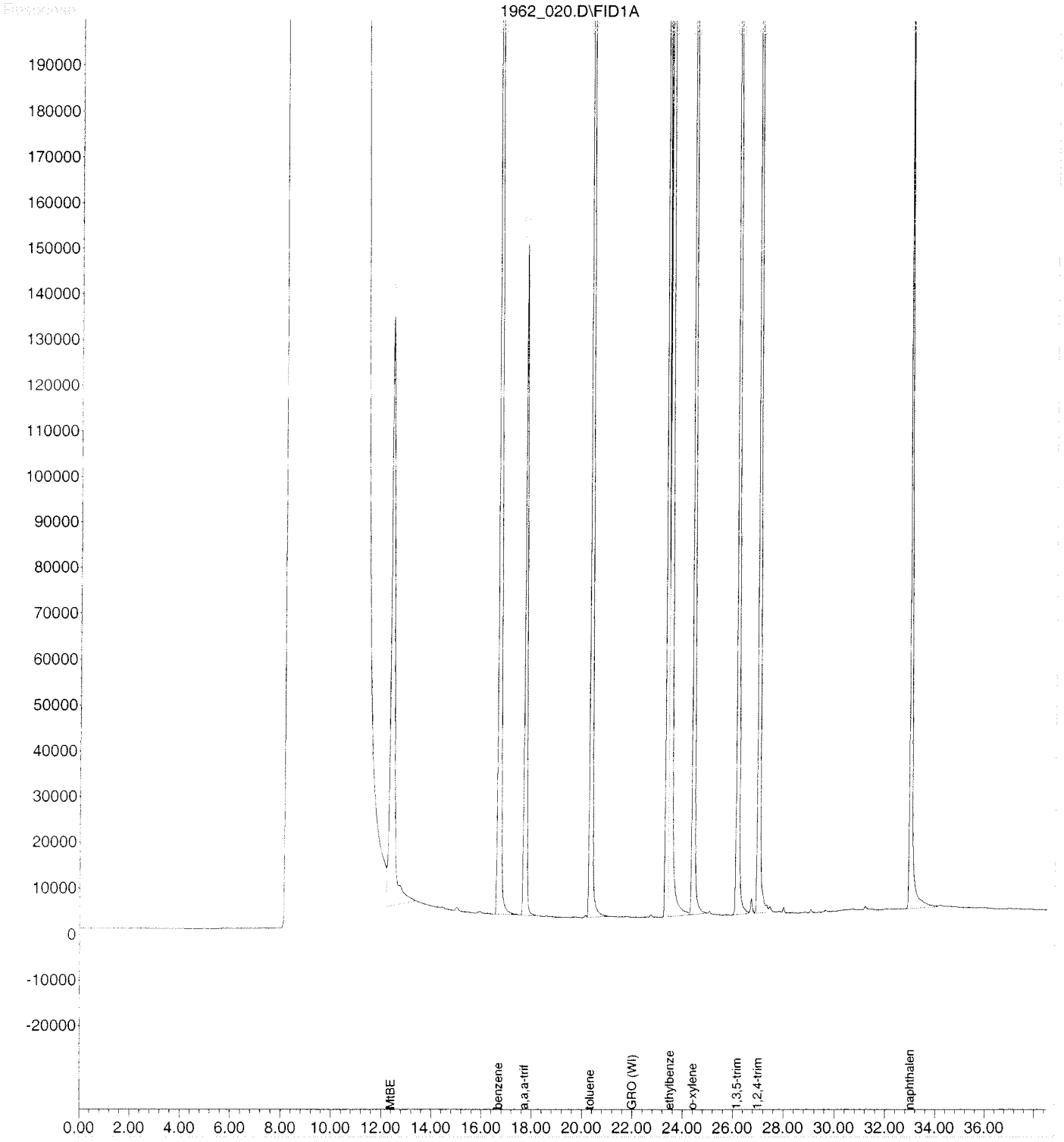
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1962\1962_020.D
Acq On : 7 May 2007 18:03
Sample : LCS FS1186
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 20
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_021.D
Acq On : 7 May 2007 18:50
Sample : A768783 FS185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 21
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
1)	S	a,a,a-trifluorotoluene	17.72	8923680	0.178 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 71.20%
Target Compounds					
2)	H	GRO (WI)	22.00	7824452	0.090 mg/L
3)	M	MtBE	12.39f	3658674	0.060 mg/L
4)	M	benzene	0.00	0	N.D. mg/L
5)	M	toluene	20.33	21129	0.000 mg/L
6)	M	ethylbenzene	23.49	58388	0.001 mg/L
7)	M	m/p-xylene	23.49f	58388	0.000 mg/L
8)	M	o-xylene	24.41	34428	0.000 mg/L
9)	M	1,3,5-trimethylbenzene	26.17	43186	0.001 mg/L
10)	M	1,2,4-trimethylbenzene	27.00	124928	0.001 mg/L
11)	M	naphthalene	33.02f	420956	0.009 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_030.D
Acq On : 8 May 2007 1:48
Sample : A768792 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 30
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.68f	9626932	0.193 mg/L
Spiked Amount	0.250	Range 70 - 130	Recovery =	77.20%
	Target Compounds			
2) H	GRO (WI)	22.00	8453491	0.097 mg/L
3) M	MtBE	12.35f	3805108	0.062 mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	0.00	0	N.D. mg/L
6) M	ethylbenzene	0.00	0	N.D. mg/L
7) M	m/p-xylene	0.00	0	N.D. mg/L
8) M	o-xylene	0.00	0	N.D. mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D. mg/L
11) M	naphthalene	32.98f	34960	0.001 mg/L

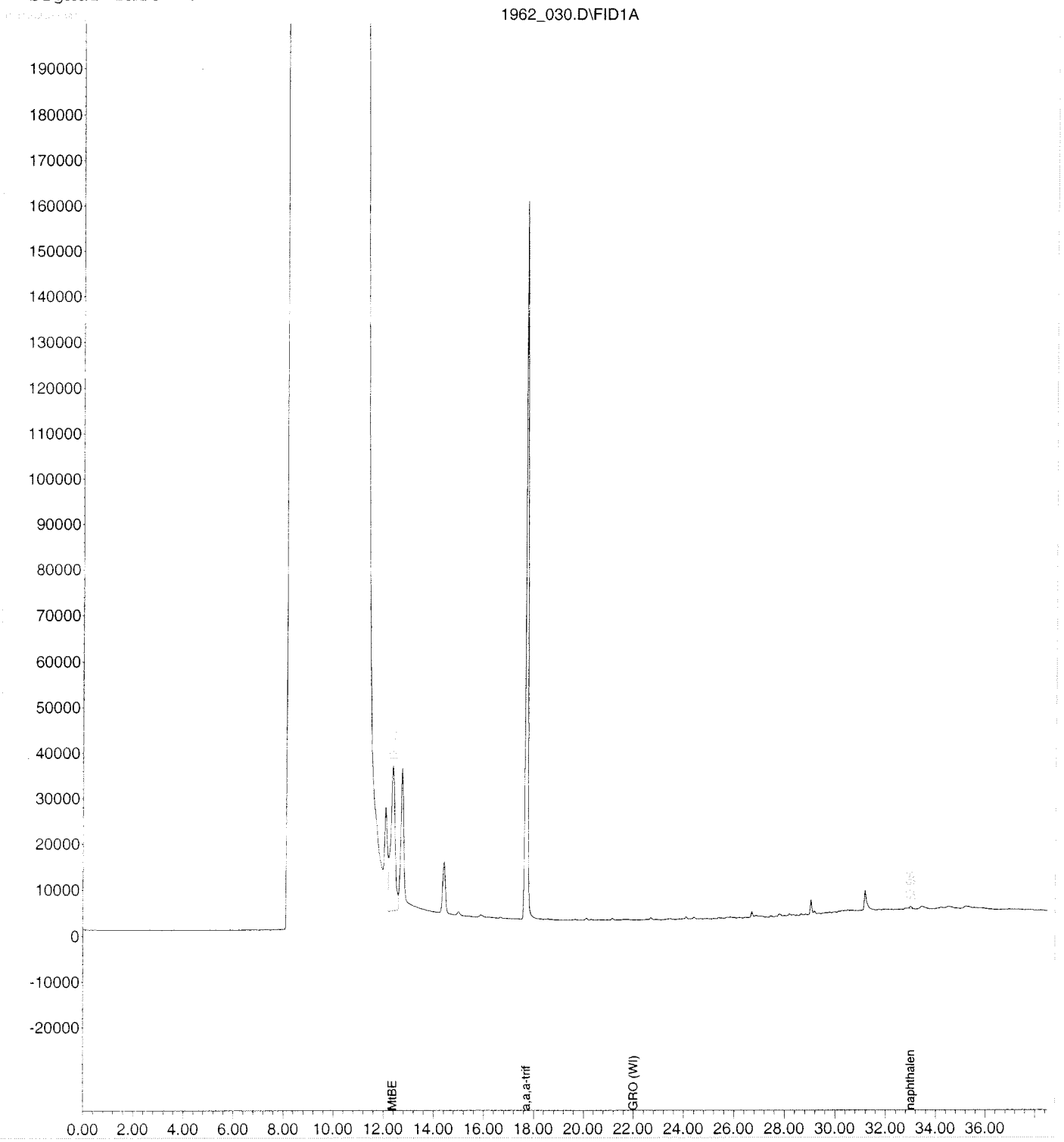
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1962\1962_030.D
Acq On : 8 May 2007 1:48
Sample : A768792 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 30
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_031.D
Acq On : 8 May 2007 2:35
Sample : A768793 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 31
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	17.69f	11952789	0.244	mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	97.60%	
		Target Compounds				
2)	H	GRO (WI)	22.00	6383724	0.073	mg/L
3)	M	MtBE	12.35f	2626579	0.043	mg/L
4)	M	benzene	0.00	0	N.D.	mg/L
5)	M	toluene	0.00	0	N.D.	mg/L
6)	M	ethylbenzene	0.00	0	N.D.	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	0.00	0	N.D.	mg/L
9)	M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10)	M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11)	M	naphthalene	33.00f	55215	0.001	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

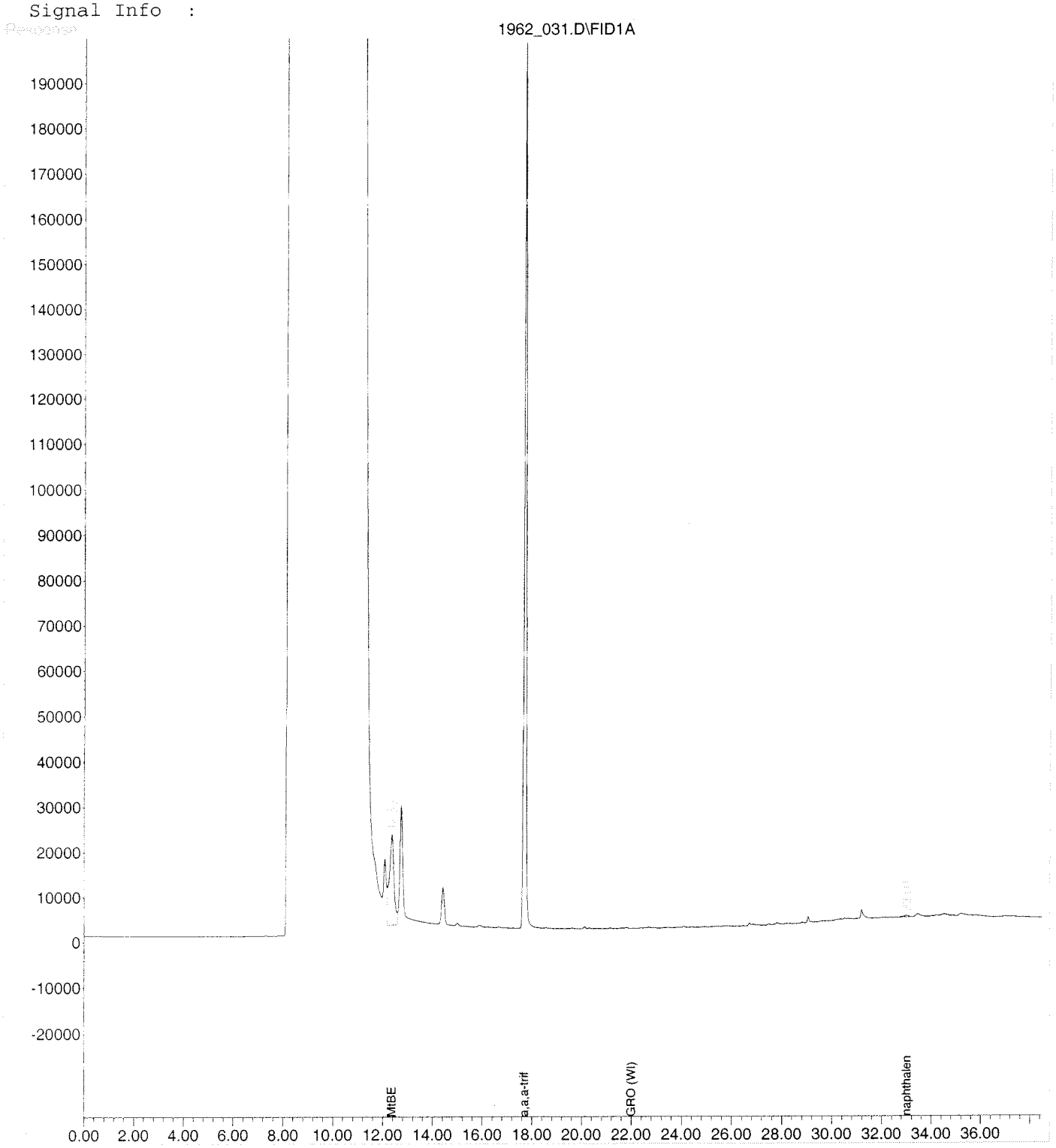
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_031.D
Acq On : 8 May 2007 2:35
Sample : A768793 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 31
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_032.D
Acq On : 8 May 2007 3:21
Sample : A768794 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 32
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.72f	9769008	0.197 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 78.80%
	Target Compounds			
2) H	GRO (WI)	22.00	4687260	0.054 mg/L
3) M	MtBE	12.37f	1469929	0.024 mg/L
4) M	benzene	16.68f	90735	0.001 mg/L
5) M	toluene	20.33f	100235	0.001 mg/L
6) M	ethylbenzene	23.49	224480	0.003 mg/L
7) M	m/p-xylene	0.00	0	N.D. mg/L
8) M	o-xylene	24.40	118322	0.001 mg/L
9) M	1,3,5-trimethylbenzene	26.17f	112304	0.001 mg/L
10) M	1,2,4-trimethylbenzene	27.00f	158887	0.002 mg/L
11) M	naphthalene	33.03f	144377	0.003 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

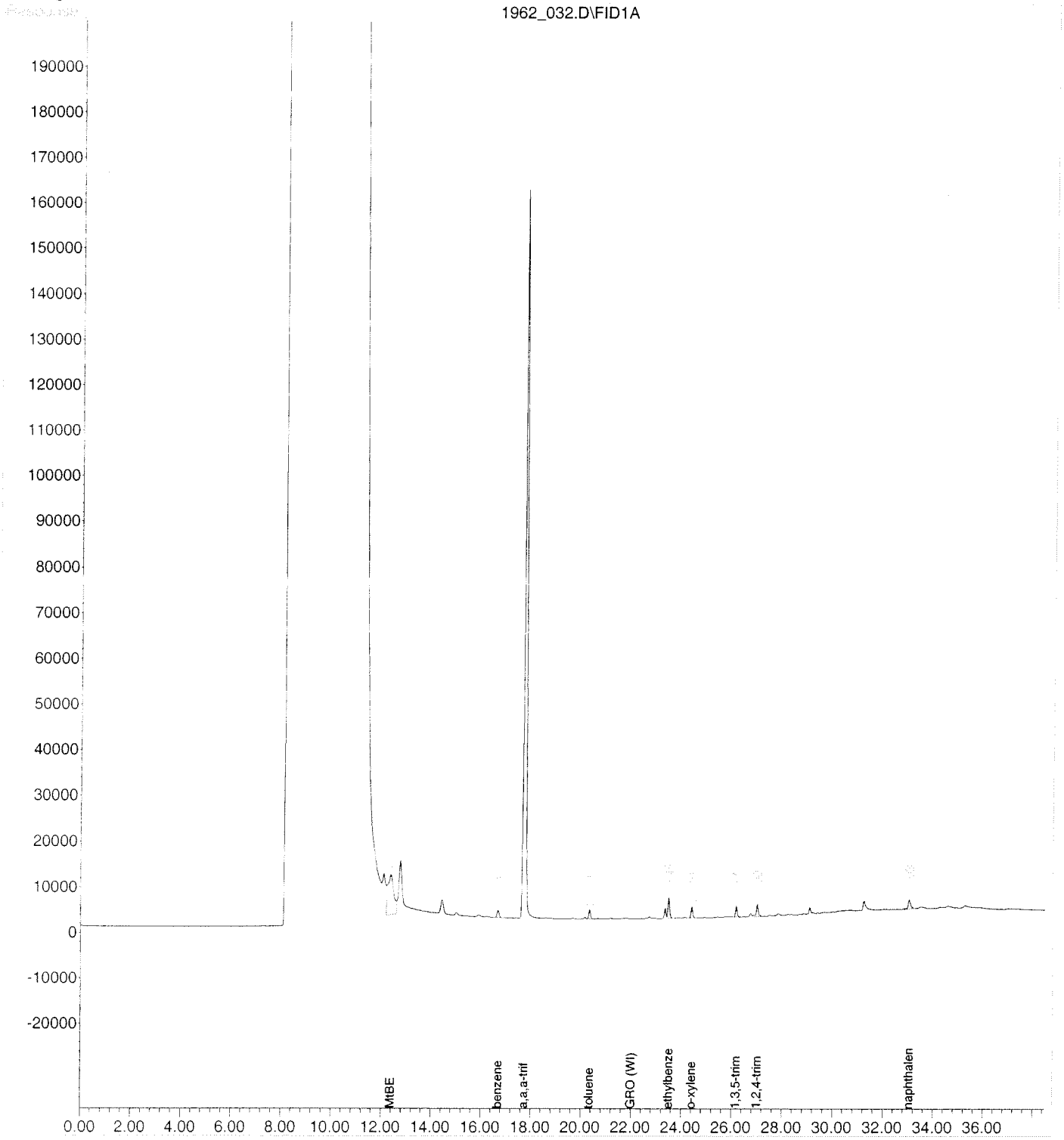
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_032.D
Acq On : 8 May 2007 3:21
Sample : A768794 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 32
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_033.D
Acq On : 8 May 2007 4:08
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 33
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount	0.250 Range 70 - 130	Recovery =	0.00%#		
	Target Compounds				
2) H	GRO (WI)	0.00	0	N.D.	mg/L
3) M	MtBE	0.00	0	N.D.	mg/L
4) M	benzene	0.00	0	N.D.	mg/L
5) M	toluene	0.00	0	N.D.	mg/L
6) M	ethylbenzene	0.00	0	N.D.	mg/L
7) M	m/p-xylene	0.00	0	N.D.	mg/L
8) M	o-xylene	0.00	0	N.D.	mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11) M	naphthalene	0.00	0	N.D.	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

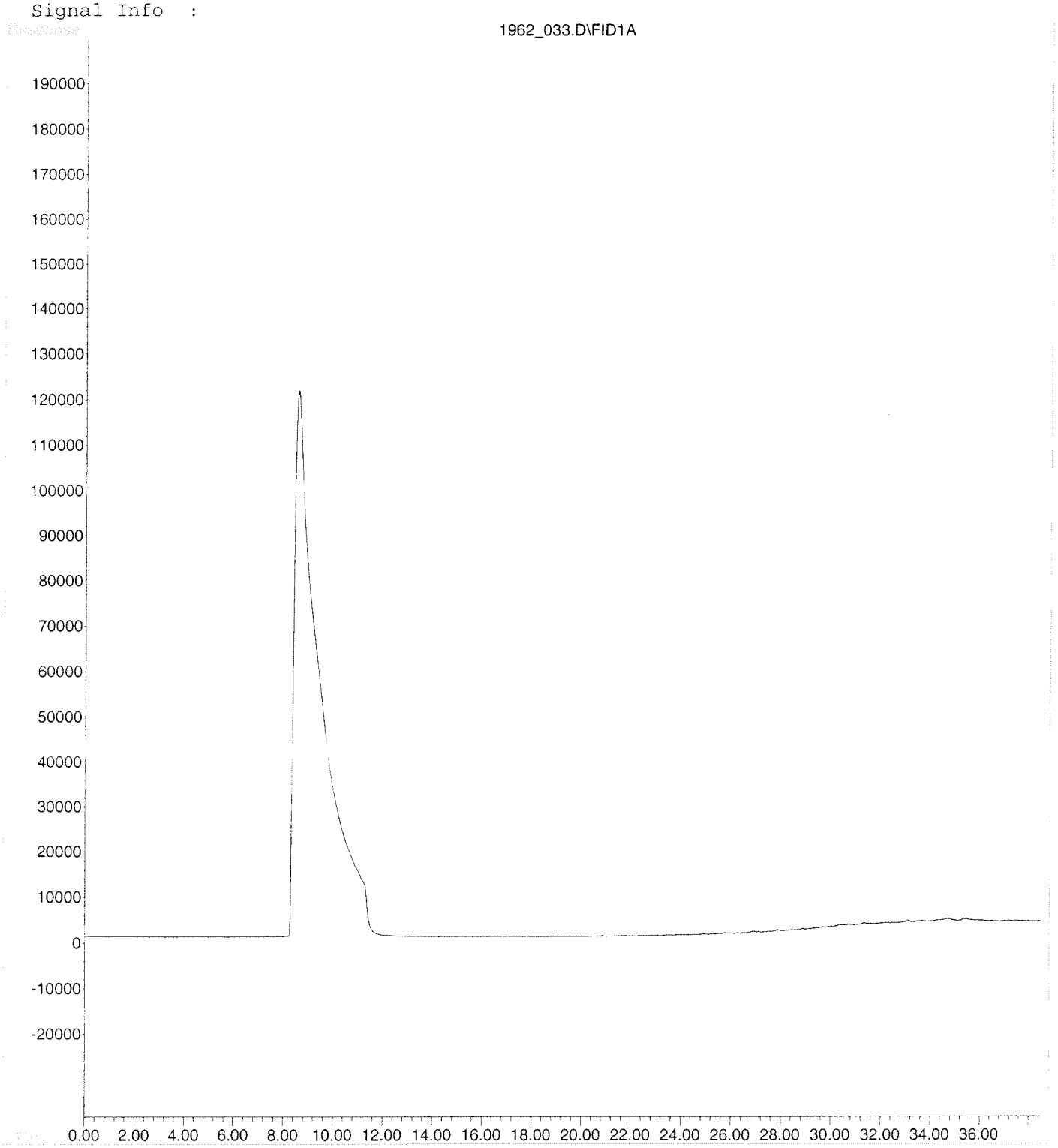
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_033.D
Acq On : 8 May 2007 4:08
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 33
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_034.D
Acq On : 8 May 2007 4:54
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.78	10457499	0.211 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 84.40%
	Target Compounds			
2) H	GRO (WI)	22.00	216791536	2.489 mg/L
3) M	MtBE	12.45	15268749	0.250 mg/L
4) M	benzene	16.75	24720476	0.249 mg/L
5) M	toluene	20.39	23897680	0.247 mg/L
6) M	ethylbenzene	23.40f	22093062	0.264 mg/L
7) M	m/p-xylene	23.54	46995160	0.249 mg/L
8) M	o-xylene	24.46	24732121	0.253 mg/L
9) M	1,3,5-trimethylbenzene	26.22	21655034	0.260 mg/L
10) M	1,2,4-trimethylbenzene	27.05	22396518	0.262 mg/L
11) M	naphthalene	33.08	14325831	0.295 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

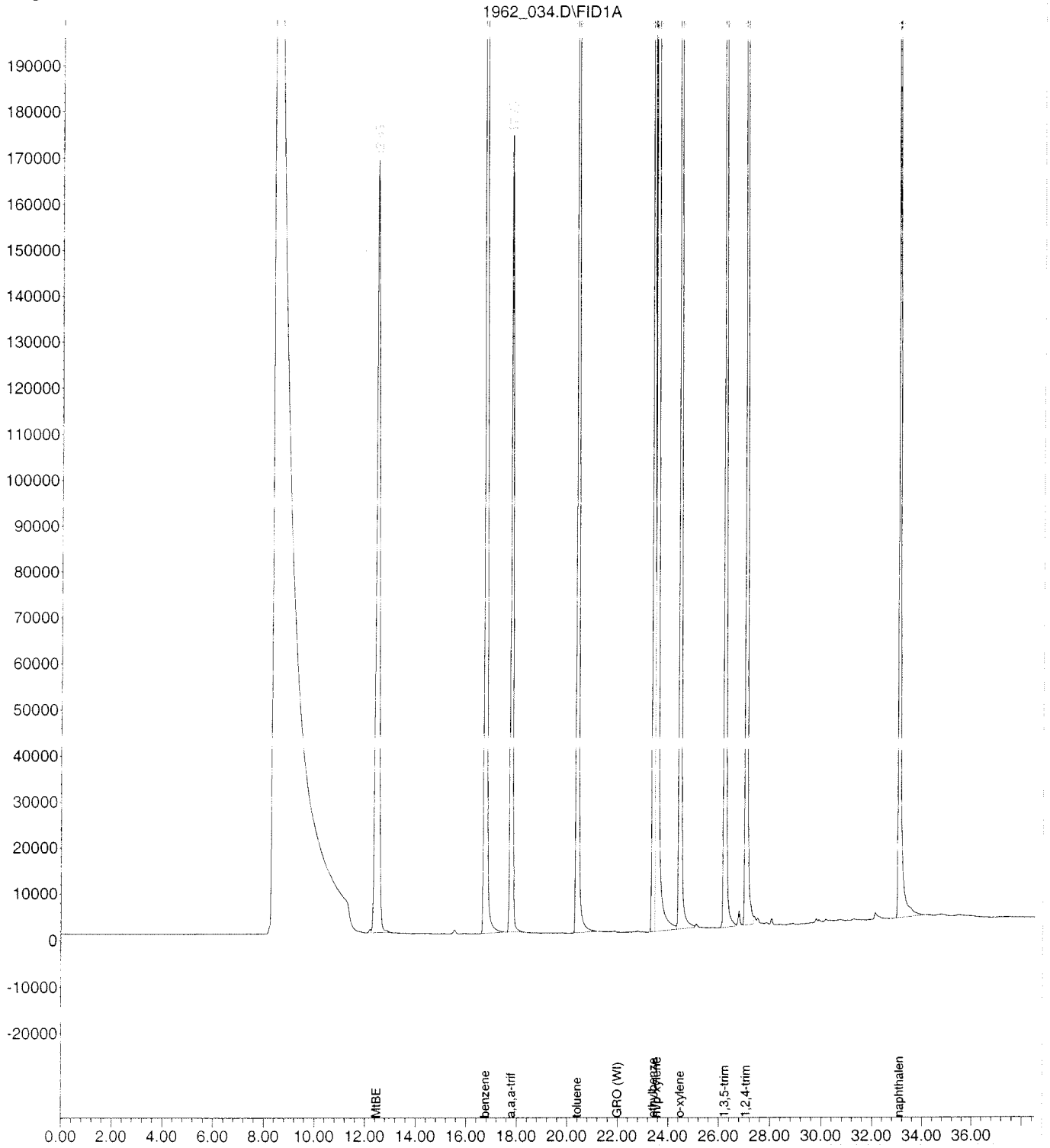
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1962\1962_034.D
Acq On : 8 May 2007 4:54
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 8 8:40 2007 Quant Results File: GROW.RES

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



CASE NARRATIVE
GC GROUP
GRO ANALYSIS
METHOD SW846-8015b, 5030

SAMPLE #	A768795	CGC-11-9	A768802	CGC-11-15
	A768796	CGC-11-10	A768803	CGC-11-16
	A768797	CGC-11-11	A768804	CGC-11-17
	A768798	CGC-11-12	A768805	CGC-17-18
	A768799	CGC-11-13	A768806	CGC-10-19
	A768800	5/1 DUP2	A768807	CGC-10-20
	A768801	CGC-11-14	A768808	5/2 DUP1

These samples were analyzed according to normal procedures and all data quality acceptance criteria were satisfied.

GC Analyst

Heritage Environmental Services, LLC

File/Run # 1966

Analysis Start Date 5/8/07 Analysis Start Time 15:19 LIMS RunID

Analyst 1367 B. WOOD Reviewer EW/ln3 5-10-07 DE Recorder

Instr. 51 Channel 1 DE Reviewer

GC/FID/FID

L-4 CCV R Method 439 SW846-8015B Matrix Initial Final PrepPage

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250 GASOLINE RANGE ORGANICS (GRO)			2.38		mg/L ~~MG/KG~~	2.50		95.2	
3255 (TRIFLUOROMETHYL)BENZENE					70.8 %				

Analytical Comments

Dilution

1192 BLA02 R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5mL PrepPage ES1192

PCode Parameter	Q# 1951294	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	5.0	MG/KG				
3255 (TRIFLUOROMETHYL)BENZENE					64.4%				

Analytical Comments

Dilution 1:50

1192 LCS R Method 439 SW846-8015B Matrix S Initial 5.00 Final 5mL PrepPage ES1192

PCode Parameter	Q# 1951295	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250 GASOLINE RANGE ORGANICS (GRO)		2.21	110.5		MG/KG	125.0		88.4	
3255 (TRIFLUOROMETHYL)BENZENE					70.0%				

Analytical Comments

Dilution 1:50

A768806 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.17 Final 5 ML PrepPage ES1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplier
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE			73.2		% Rec	

Analytical Comments

Dilution 1:50

A768806 SPI02 R Method 439 SW846-8015B Matrix S Initial 4.97 Final 5mL PrepPage ES1192

PCode Parameter	Q# 1951296	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250 GASOLINE RANGE ORGANICS (GRO)		2.51	126.3		MG/KG	BDL	125.8	100.4	
3255 (TRIFLUOROMETHYL)BENZENE					78.0%				

Analytical Comments

Dilution 1:50

A768806 DPS02 R Method 439 SW846-8015B Matrix S Initial 4.96 Final 5mL PrepPage ES1192

PCode Parameter	Q# 1951297	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250 GASOLINE RANGE ORGANICS (GRO)		2.71	136.6		MG/KG	BDL	126.0	108.4	7.7
3255 (TRIFLUOROMETHYL)BENZENE					81.2%				

Heritage Environmental Services, LLC

File/Run # 1966

A768806 DPS02 R

PCode Parameter	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	cont RPD

Analytical Comments
Dilution 1:50

A768795 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.05 Final 5 ML PrepPage FS1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE			84.8		% Rec	

Analytical Comments
Dilution 1:50

A768796 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.07 Final 5 ML PrepPage FS 1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE			71.2		% Rec	

Analytical Comments
Dilution 1:50

A768797 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.04 Final 5 ML PrepPage FS1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE			84.0		% Rec	

Analytical Comments
Dilution 1:50

A768798 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.12 Final 5 ML PrepPage FS1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE			91.2		% Rec	

Analytical Comments
Dilution 1:50

A768799 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.05 Final 5 ML PrepPage FS1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie

Heritage Environmental Services, LLC

File/Run # 1966

A768799 O409.9 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)		BDL	10	mg/kg	
1804	...					
971	SURROGATE RECOVERY					
972	----------					
3255	(TRIFLUOROMETHYL)BENZENE		79.6 ~~91.2~~		% Rec	

Analytical Comments
Dilution 1:50

A768800 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.15 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			66.8		% Rec	

Analytical Comments
Dilution 1:50

A768801 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.04 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			85.2		% Rec	

Analytical Comments
Dilution 1:50

A768802 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.07 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			88.8		% Rec	

Analytical Comments
Dilution 1:50

A768803 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.20 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			82.8		% Rec	

Heritage Environmental Services, LLC

File/Run # 1966

A768803 O409.9 R 0 cont

PCode Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie

Analytical Comments
Dilution 1:50

L-4 CCV R Method 439 SW846-8015B Matrix ____ Initial ____ Final ____ PrepPage ____

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250 GASOLINE RANGE ORGANICS (GRO)			2.19	mg/L	~~MG/KG~~	2.50		87.6	
3255 (TRIFLUOROMETHYL)BENZENE					62.4%				

Analytical Comments
Dilution

L-4 CCV R Method 439 SW846-8015B Matrix ____ Initial ____ Final ____ PrepPage ____

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250 GASOLINE RANGE ORGANICS (GRO)			2.40	mg/L	~~MG/KG~~	2.50		96.0	
3255 (TRIFLUOROMETHYL)BENZENE					101.2%				

Analytical Comments
Dilution ____

A768804 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.00 Final 5 ML PrepPage FS1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE			75.6		% Rec	

Analytical Comments
Dilution 1:50

A768805 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.04 Final 5 ML PrepPage FS1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250 GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE			80.8		% Rec	

Analytical Comments
Dilution 1:50

A768806 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.17 Final 5 ML PrepPage FS1192

PCode Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250 GASOLINE RANGE ORGANICS (GRO)				10	mg/kg	
1804 ...						
971 SURROGATE RECOVERY						
972 ----------						
3255 (TRIFLUOROMETHYL)BENZENE					% Rec	

Analytical Comments

Heritage Environmental Services, LLC

File/Run # 1966

A768806 O409.9 R 0 cont

PCode Parameter Ext. Conc Results Limit Units Limit Multiplie

Dilution

A768807 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.12 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)			BDL	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			76.8		% Rec	

Analytical Comments

Dilution 1:50

A768808 O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.05 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)		0.247	BDL F 11	10	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			63.6		% Rec	

Analytical Comments

Dilution 1:50

[redacted] O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.21 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)		1.54	74	5.0	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			77.2		% Rec	

Analytical Comments

Dilution 1:50

[redacted] O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.10 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)		0.142	7.0	5.0	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			66.8		% Rec	

Analytical Comments

Dilution 1:50

A[redacted] O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 4.96 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)		6.93	350	5.0	mg/kg	

Heritage Environmental Services, LLC

File/Run # 1966

[redacted] O409.9 R 0 cont

PCode	Parameter	Ext. Conc	Results	Limit	Units	Limit Multiplie
1804	...					
971	SURROGATE RECOVERY					
972	----------					
3255	(TRIFLUOROMETHYL)BENZENE			67.6	% Rec	

Analytical Comments

Dilution 1:50

[redacted] O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.04 Final 5 ML PrepPage FS1192

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)		0.136	6.7	5.0	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			66.4	% Rec		

Analytical Comments

Dilution 1:50

[redacted] O409.9 R 0 Method 439 SW846-8015B Matrix 5 Initial 5.14 Final 5 ML PrepPage FS1152

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Limit Multiplie
3250	GASOLINE RANGE ORGANICS (GRO)		0.893	43	5.0	mg/kg	
1804	...						
971	SURROGATE RECOVERY						
972	----------						
3255	(TRIFLUOROMETHYL)BENZENE			83.2	% Rec		

Analytical Comments

Dilution 1:50

L-4 CCV R Method 439 SW846-8015B Matrix Initial Final PrepPage

PCode	Parameter	Q#	Ext. Conc	Results	Limit	Units	Samp/TruVal	SpiVal	Recovery	RPD
3250	GASOLINE RANGE ORGANICS (GRO)			2.49	mg/L	~~MG/KG~~	2.50		99.6	
3255	(TRIFLUOROMETHYL)BENZENE					98.8%				

Analytical Comments

Dilution

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

GRO Reporting Limits

METHOD	SW846-8015(mod)		**Reporting Limits**
MATRIX			
WATER			
LCS (LFB)	GRO	*	**75.6-118**
MS/MSD	GRO	*	**69.1-124**
SURROGATE	Trifluoromethylbenzene		**48.6-124.8**
SOIL			
LCS (LFB)	GRO		**57.6-119**
MS/MSD	GRO		**43.1-135**
SURROGATE	Trifluoromethylbenzene		**50-150**

control chart limts were wider than those being

updated 3/2007

*=insufficient data points available

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR GRO

LIMS R518608

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA	Q1948972	BLA02	P239.D	4/30/07	BJW/1367	5.00 g	5 mL	W / 1103		
LCS	Q1948973	LCS				5.00 g	mL	/		
A767888	Q1948974	SPI02				5.06 g	mL	/		
A767888	Q1948975	DPS02				4.98 g	mL	/		
A767888	EC-1					4.98 g	mL	/		
889	WC-1					5.01 g	mL	/		
890	WC-2					5.05 g	mL	/		
891	W-2					4.99 g	mL	/		
892	W-1					4.98 g	mL	/		5-1-07 W
	Q1949883	BLA02	P239.D	5/2/07	BJW/1367	5.00 g	5 mL	W / 1103		
	Q1949884	LCS				5.00 g	mL	/		
A766783	4335-2					5.01 g	mL	/		
784	4335-3					5.02 g	mL	/		
785	4335-4					5.01 g	mL	/		
786	5-1 composite					4.99 g	mL	/		
787	CCL-11-1					5.01 g	mL	/		
788	-2					5.15 g	mL	/		
789	-3					4.98 g	mL	/		WHP 5-3-07 XLB

meal
~~MeCL2~~ lot# CS 507 4/30/08 PENTANE lot# _____
CS2 lot# _____ ACETONE lot# _____

Prep Page FID S-

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO Soil Extractions
SW846-8015B, 8015B(Modified), 3550, HLI2
GC-FID

TEST PREPPED FOR GRO

LIMS

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR. ISTD	COMMENTS
BLA		BLA02				g	mL	/		
LCS		LCS				g	mL	/		
		SPI02				g	mL	/		
		DPS02				g	mL	/		
A768790	GGC-11-4		P239.0	5/2/07	BJN/BJN	5.09 g	5 mL	a / 1027		
791	-5					5.04 g	mL	/		
792	-6					5.10 g	mL	/		
793	-7					4.97 g	mL	/		
794	-8					5.02 g	mL	/		
795	-9					5.05 g	mL	/		
796	-10					5.07 g	mL	/		
797	-11					5.04 g	mL	/		comp 5-3-07 RLA
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		
						g	mL	/		

~~MeCL2 lot#~~ MeOH lot# CS 554 4/30/08
CS2 lot# _____
PENTANE lot# _____
ACETONE lot# _____

Prep Page FID S-

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO SOIL Extractions
SW846-8015B, 8015B(Modified), 3510C, HLI2
GC-FID

TEST PREPPED FOR GRO

LIMS R518869

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR.	ISTD	RUN	COMMENTS
BLA	Q1951294	BLA02	P239.0	5/6/07	BJW/1267	5.00 g	5 mL	CW/1123				
LCS	Q1951295	LCS				5.00 g	mL	/				
A768802	Q1951296	SPI02				4.97 g	mL	/				
A768806	Q1951297	DPS02				4.96 g	mL	/				
		BLA02				g	mL	/				
		LCS				g	mL	/				
		BLA02				g	mL	/				
		LCS				g	mL	/				
A768798	GGC-11-12		P239.0	5/6/07	BJW/1267	5.12 g	5 mL	/				
799	-13					5.05 g	mL	/				
800	5/1 DUP2					5.15 g	mL	/				
801	GGC-11-14					5.04 g	mL	/				
802	-15					5.07 g	mL	/				
803	-16					5.20 g	mL	/				
804	-17					5.00 g	mL	/				
805	GGC-17-18					5.04 g	mL	/				
806	GGC-16-19					5.17 g	mL	/				
807	GGC-16-20					5.12 g	mL	/				COMP 5-9-07 RLP

~~MeOH~~ lot# CL 509 PENTANE lot# _____
CS2 lot# _____ ACETONE lot# _____

Prep Page FID S- 1192

Heritage Environmental Services, LLC.
Commercial Laboratory Operations

TPH/GRO/DRO SOIL Extractions
SW846-8015B, 8015B(Modified), 3510C, HLI2
GC-FID

TEST PREPPED FOR GRO

LIMS

SAMPLE	CLIENT ID	QA/QC TYPE	TEST CODE	DATE	INITIALS / ID	INITIAL WT./VOL.	FINAL VOL.	REVIEWER INITIALS/ID	SURR.	ISTD	RUN	COMMENTS
BLA		BLA02				g	mL	/				
LCS		LCS				g	mL	/				
		SPI02				g	mL	/				
		DPS02				g	mL	/				
		BLA02				g	mL	/				
		LCS				g	mL	/				
		BLA02				g	mL	/				
		LCS				g	mL	/				
A768080	S1 2 DUP 1		P239.0	8/30/07	5/30/07	5.05 g	5 mL	W / 1N3				
A768079	S1					5.21 g	mL	/				
080	S2					5.10 g	mL	/				
081	S3					4.96 g	mL	/				
082	S4					5.08 g	mL	/				
083	S5					5.04 g	mL	/				
084	S6					5.14 g	mL	/				
A767701	4/23 DUP	Rep1				5.00 g	mL	/				
A767879	RSGC12-3	Rep1				5.07 g	mL	/ ✓				COMP 5-9-07 AAB
						g	mL	/				

~~MgCl2~~ Eosh lot# CL 507
CS2 lot#

PENTANE lot#
ACETONE lot#

Prep Page FID S- 1192

Response Factor Report HP5890

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007

Calibration Files
L-1 =1852_002.D L-2 =1852_003.D L-3 =1852_004.D
L-4 =1852_005.D L-5 =1852_006.D L-6 =1852_007.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD	
1)	S	a,a,a-trifluorotolu	1.008	0.576	0.538	0.483	0.489	0.465	0.593	E8	34.96	see%drift
2)	H	GRO (WI)	8.154	8.721	8.893	8.544	9.106	8.847	8.711	E7	3.79	
3)	M	MtBE	4.215	6.589	6.612	6.289	6.803	6.105	6.102	E7	15.69	
4)	M	benzene	0.908	1.023	1.039	0.966	1.049	0.983	0.994	E8	5.36	
5)	M	toluene	0.925	0.983	0.992	0.940	1.005	0.959	0.968	E8	3.25	
6)	M	ethylbenzene	6.805	8.196	8.710	8.475	9.202	8.888	8.379	E7	10.08	
7)	M	m/p-xylene	1.567	1.986	2.001	1.854	1.970	1.962	1.890	E8	8.81	
8)	M	o-xylene	0.853	1.010	1.023	0.963	1.041	0.981	0.978	E8	6.89	
9)	M	1,3,5-trimethylbenz	6.606	8.140	8.988	8.550	8.798	8.968	8.342	E7	10.88	
10)	M	1,2,4-trimethylbenz	7.420	7.808	8.789	8.733	9.282	9.216	8.541	E7	8.91	
11)	M	naphthalene	3.255	4.501	4.634	5.408	5.554	5.769	4.854	E7	19.25	

(#) = Out of Range

GROW.M Thu May 10 14:00:33 2007

Response Factor Report HP5890

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007

Calibration Files
L-1 =1852_002.D L-2 =1852_003.D L-3 =1852_004.D
L-4 =1852_005.D L-5 =1852_006.D L-6 =1852_007.D

		Compound	L-1	L-2	L-3	L-4	L-5	L-6	Avg		%RSD	
1)	S	a,a,a-trifluorotolu	1.008	0.576	0.538	0.483	0.489	0.465	0.593	E8	34.96	r^2=1.00
2)	H	GRO (WI)	8.154	8.721	8.893	8.544	9.106	8.847	8.711	E7	3.79	
3)	M	MtBE	4.215	6.589	6.612	6.289	6.803	6.105	6.102	E7	15.69	
4)	M	benzene	0.908	1.023	1.039	0.966	1.049	0.983	0.994	E8	5.36	
5)	M	toluene	0.925	0.983	0.992	0.940	1.005	0.959	0.968	E8	3.25	
6)	M	ethylbenzene	6.805	8.196	8.710	8.475	9.202	8.888	8.379	E7	10.08	
7)	M	m/p-xylene	1.567	1.986	2.001	1.854	1.970	1.962	1.890	E8	8.81	
8)	M	o-xylene	0.853	1.010	1.023	0.963	1.041	0.981	0.978	E8	6.89	
9)	M	1,3,5-trimethylbenz	6.606	8.140	8.988	8.550	8.798	8.968	8.342	E7	10.88	
10)	M	1,2,4-trimethylbenz	7.420	7.808	8.789	8.733	9.282	9.216	8.541	E7	8.91	
11)	M	naphthalene	3.255	4.501	4.634	5.408	5.554	5.769	4.854	E7	19.25	

(#) = Out of Range

GROW.M Thu May 10 14:00:33 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_002.D
Acq On : 8 May 2007 16:06
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	35.376 E6	40.4#	73	0.05	see%drift
2	H	GRO (WI)	87.108	82.950 E6	4.8	97	0.00	
3	M	MtBE	61.022	57.837 E6	5.2	92	0.12	
4	M	benzene	99.450	92.550 E6	6.9	96	0.06	
5	M	toluene	96.758	90.910 E6	6.0	97	0.02	
6	M	ethylbenzene	83.793	84.186 E6	-0.5	99	0.00	
7	M	m/p-xylene	188.992	178.754 E6	5.4	96	0.00	
8	M	o-xylene	97.831	94.562 E6	3.3	98	0.00	
9	M	1,3,5-trimethylbenzene	83.416	84.119 E6	-0.8	98	-0.01	
10	M	1,2,4-trimethylbenzene	85.413	87.126 E6	-2.0	100	-0.01	
11	M	naphthalene	48.536	56.860 E6	-17.2#	105	-0.03	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:01:48 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_002.D
Acq On : 8 May 2007 16:06
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.177	29.2#	73	0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:02:27 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_018.D
Acq On : 9 May 2007 4:43
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	31.672 E6	46.6#	66	0.16	see%drift
2	H	GRO (WI)	87.108	76.383 E6	12.3	89	0.00	
3	M	MtBE	61.022	0.138 E6	99.8#	0#	-0.09	
4	M	benzene	99.450	86.770 E6	12.8	90	0.16	
5	M	toluene	96.758	83.904 E6	13.3	89	0.16	
7	M	m/p-xylene	188.992	76.763 E6	59.4#	41#	0.02	
8	M	o-xylene	97.831	88.289 E6	9.8	92	0.17	
9	M	1,3,5-trimethylbenzene	83.416	75.478 E6	9.5	88	0.17	
10	M	1,2,4-trimethylbenzene	85.413	0.638 E6	99.3#	1#	-0.10	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:03:01 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_018.D
Acq On : 9 May 2007 4:43
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.156	37.6#	66	0.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:03:49 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_020.D
Acq On : 9 May 2007 18:08
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 20
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	49.541 E6	16.5#	103	0.00	see%drift
2	H	GRO (WI)	87.108	83.762 E6	3.8	98	0.00	
3	M	MtBE	61.022	59.626 E6	2.3	95	0.09	
4	M	benzene	99.450	95.297 E6	4.2	99	0.02	
5	M	toluene	96.758	91.979 E6	4.9	98	-0.02	
6	M	ethylbenzene	83.793	85.312 E6	-1.8	101	-0.04	
7	M	m/p-xylene	188.992	180.826 E6	4.3	98	-0.04	
8	M	o-xylene	97.831	93.279 E6	4.7	97	-0.04	
9	M	1,3,5-trimethylbenzene	83.416	84.558 E6	-1.4	99	-0.05	
10	M	1,2,4-trimethylbenzene	85.413	85.601 E6	-0.2	98	-0.05	
11	M	naphthalene	48.536	57.636 E6	-18.7#	107	-0.07	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:04:46 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_020.D
Acq On : 9 May 2007 18:08
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 20
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.253	-1.2	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:05:13 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_034.D
Acq On : 10 May 2007 5:02
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)	
1	S	a,a,a-trifluorotoluene	59.321	48.342 E6	18.5#	100	-0.06	see%drift
2	H	GRO (WI)	87.108	86.581 E6	0.6	101	0.00	
3	M	MtBE	61.022	59.572 E6	2.4	95	-0.06	
4	M	benzene	99.450	99.732 E6	-0.3	103	-0.06	
5	M	toluene	96.758	95.880 E6	0.9	102	-0.06	
6	M	ethylbenzene	83.793	89.325 E6	-6.6	105	-0.07	
7	M	m/p-xylene	188.992	189.018 E6	-0.0	102	-0.06	
8	M	o-xylene	97.831	97.189 E6	0.7	101	-0.06	
9	M	1,3,5-trimethylbenzene	83.416	89.382 E6	-7.2	105	-0.06	
10	M	1,2,4-trimethylbenzene	85.413	89.817 E6	-5.2	103	-0.06	
11	M	naphthalene	48.536	53.325 E6	-9.9	99	-0.07	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:05:48 2007

Evaluate Continuing Calibration Report

Data File : N:\1\DATA\1966\1966_034.D
Acq On : 10 May 2007 5:02
Sample : GRO L-4
Misc :
IntFile : EVENTS.E

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1 S	a,a,a-trifluorotoluene	0.250	0.247	1.2	100	-0.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1852_005.D GROW.M Thu May 10 14:06:16 2007

Data File : N:\1\DATA\1852\1852_002.D
Acq On : 19 Feb 2007 16:41
Sample : GRO L-1
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 09:48:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

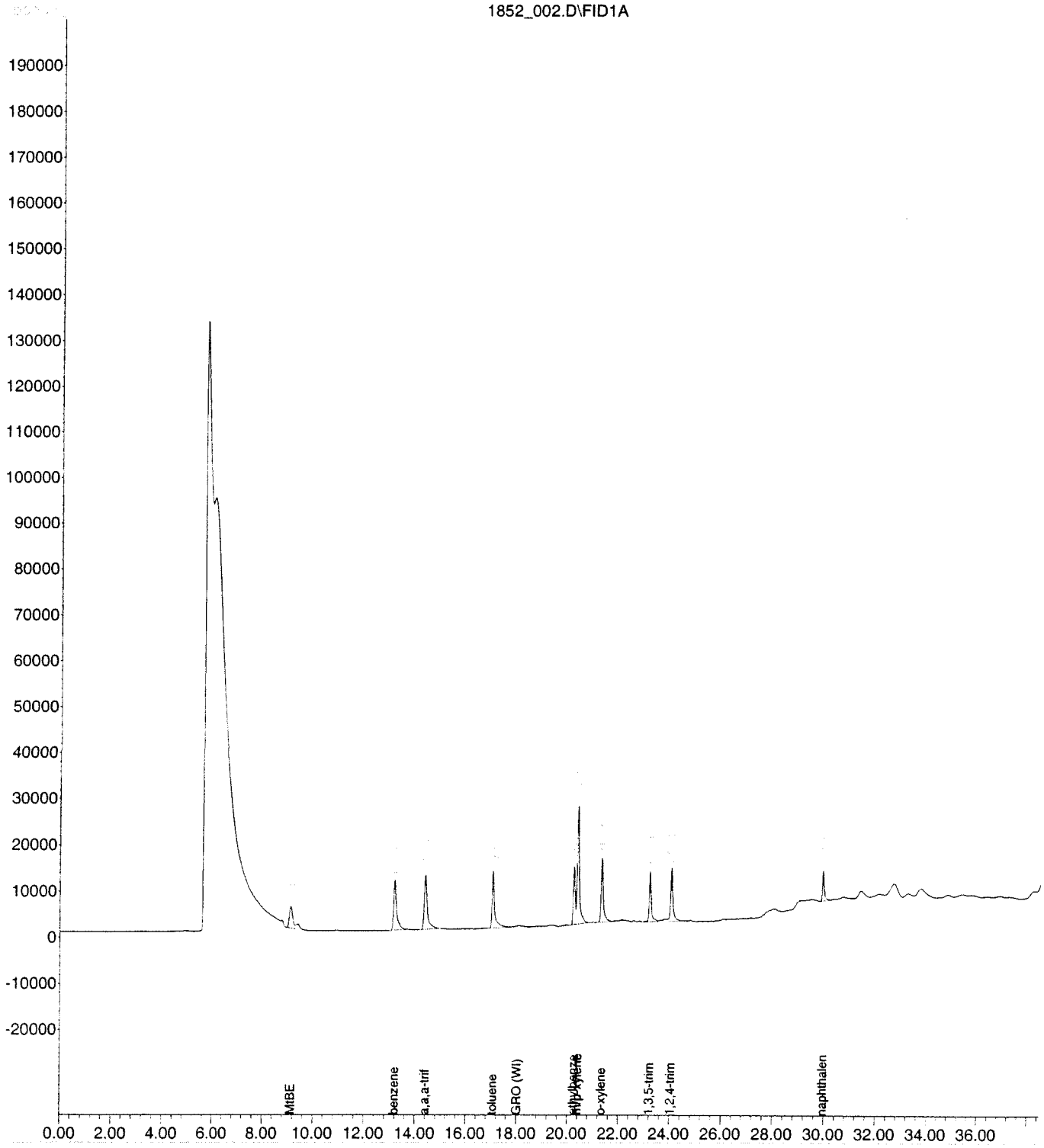
	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	14.38	1008262	0.017 mg/L
Spiked Amount	0.250	Range 70 - 130	Recovery =	6.80%#
	Target Compounds			
2) H	GRO (WI)	18.00	8153883	0.094 mg/L
3) M	MtBE	9.12	421536	0.007 mg/L
4) M	benzene	13.17	907773	0.009 mg/L
5) M	toluene	17.05	924950	0.010 mg/L
6) M	ethylbenzene	20.23	680507	0.008 mg/L
7) M	m/p-xylene	20.39	1566783	0.008 mg/L
8) M	o-xylene	21.32	853307	0.009 mg/L
9) M	1,3,5-trimethylbenzene	23.20	660558	0.008 mg/L
10) M	1,2,4-trimethylbenzene	24.04	742030	0.009 mg/L
11) M	naphthalene	29.94	325480	0.007 mg/L

Data File : N:\1\DATA\1852\1852_002.D
Acq On : 19 Feb 2007 16:41
Sample : GRO L-1
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 09:48:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_003.D
Acq On : 19 Feb 2007 17:27
Sample : GRO L-2
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.37	2879647	0.049 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	19.60%#
Target Compounds			
2) H GRO (WI)	18.00	43603153	0.501 mg/L
3) M MtBE	9.09	3294325	0.054 mg/L
4) M benzene	13.16	5113162	0.051 mg/L
5) M toluene	17.04	4916943	0.051 mg/L
6) M ethylbenzene	20.22	4098082	0.049 mg/L
7) M m/p-xylene	20.38	9927985	0.053 mg/L
8) M o-xylene	21.31	5048364	0.052 mg/L
9) M 1,3,5-trimethylbenzene	23.19	4069995	0.049 mg/L
10) M 1,2,4-trimethylbenzene	24.03	3903750	0.046 mg/L
11) M naphthalene	29.92	2250450	0.046 mg/L

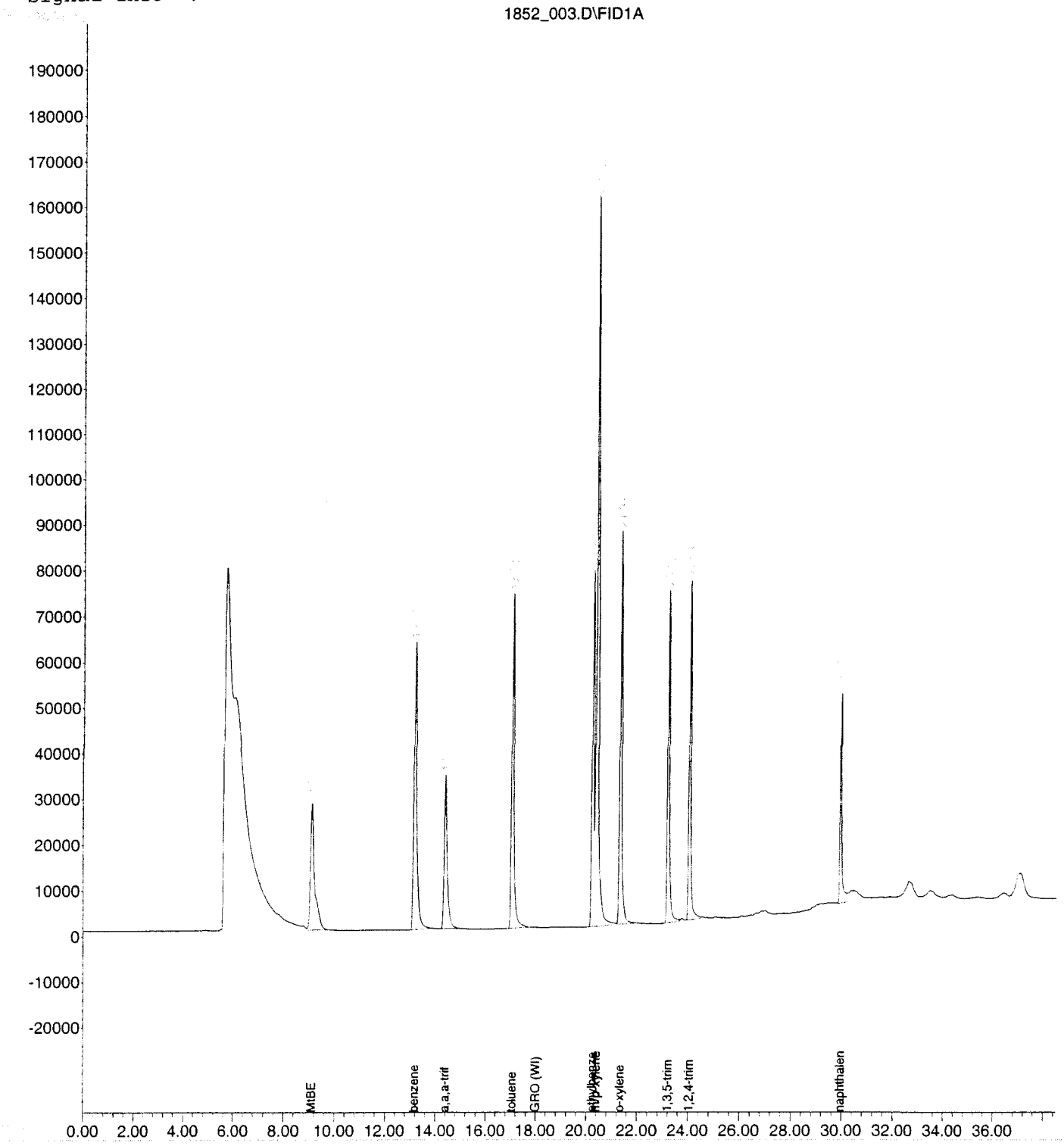
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_003.D
Acq On : 19 Feb 2007 17:27
Sample : GRO L-2
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_004.D
Vial: 4
Acq On : 19 Feb 2007 18:14
Operator: HP Demo
Sample : GRO L-3
Inst : HP5890
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.37	5379430	0.091 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 36.40%#
		Target Compounds			
2)	H	GRO (WI)	18.00	88927984	1.021 mg/L
3)	M	MtBE	9.07	6611747	0.108 mg/L
4)	M	benzene	13.15	10390784	0.104 mg/L
5)	M	toluene	17.04	9922967	0.103 mg/L
6)	M	ethylbenzene	20.22	8709659	0.104 mg/L
7)	M	m/p-xylene	20.38	20006479	0.106 mg/L
8)	M	o-xylene	21.32	10225052	0.105 mg/L
9)	M	1,3,5-trimethylbenzene	23.20	8987549	0.108 mg/L
10)	M	1,2,4-trimethylbenzene	24.04	8789375	0.103 mg/L
11)	M	naphthalene	29.92	4634357	0.095 mg/L

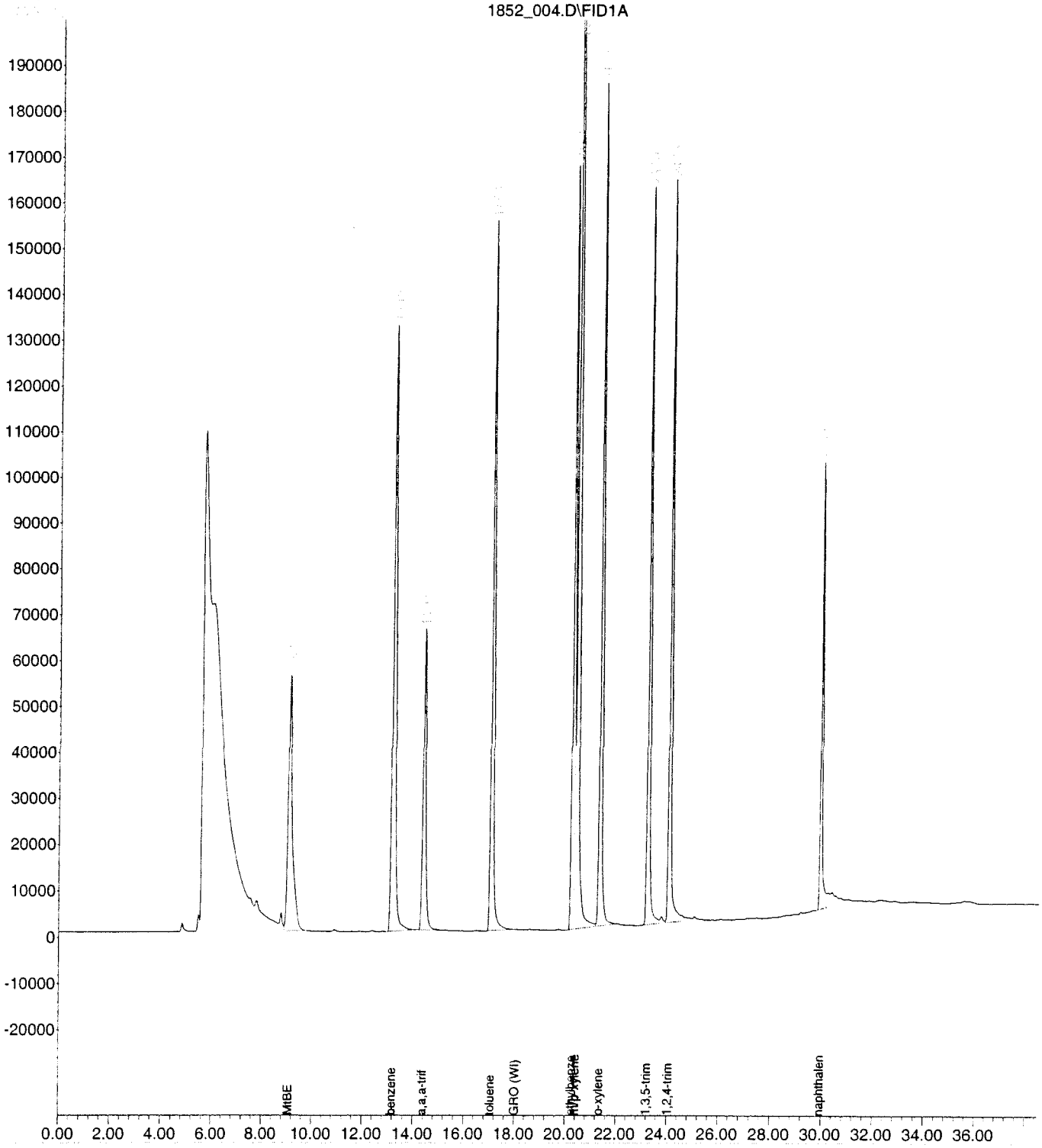
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_004.D
Acq On : 19 Feb 2007 18:14
Sample : GRO L-3
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : N:\1\DATA\1852\1852_005.D Vial: 5
Acq On : 19 Feb 2007 19:00 Operator: HP Demo
Sample : GRO L-4 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.35	12077444	0.204 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 81.60%
		Target Compounds			
2)	H	GRO (WI)	18.00	213593047	2.452 mg/L
3)	M	MtBE	9.07	15723342	0.258 mg/L
4)	M	benzene	13.14	24143787	0.243 mg/L
5)	M	toluene	17.02	23509433	0.243 mg/L
6)	M	ethylbenzene	20.21	21187170	0.253 mg/L
7)	M	m/p-xylene	20.37	46354106	0.245 mg/L
8)	M	o-xylene	21.30	24068992	0.246 mg/L
9)	M	1,3,5-trimethylbenzene	23.18	21376068	0.256 mg/L
10)	M	1,2,4-trimethylbenzene	24.02	21832655	0.256 mg/L
11)	M	naphthalene	29.92	13520803	0.279 mg/L

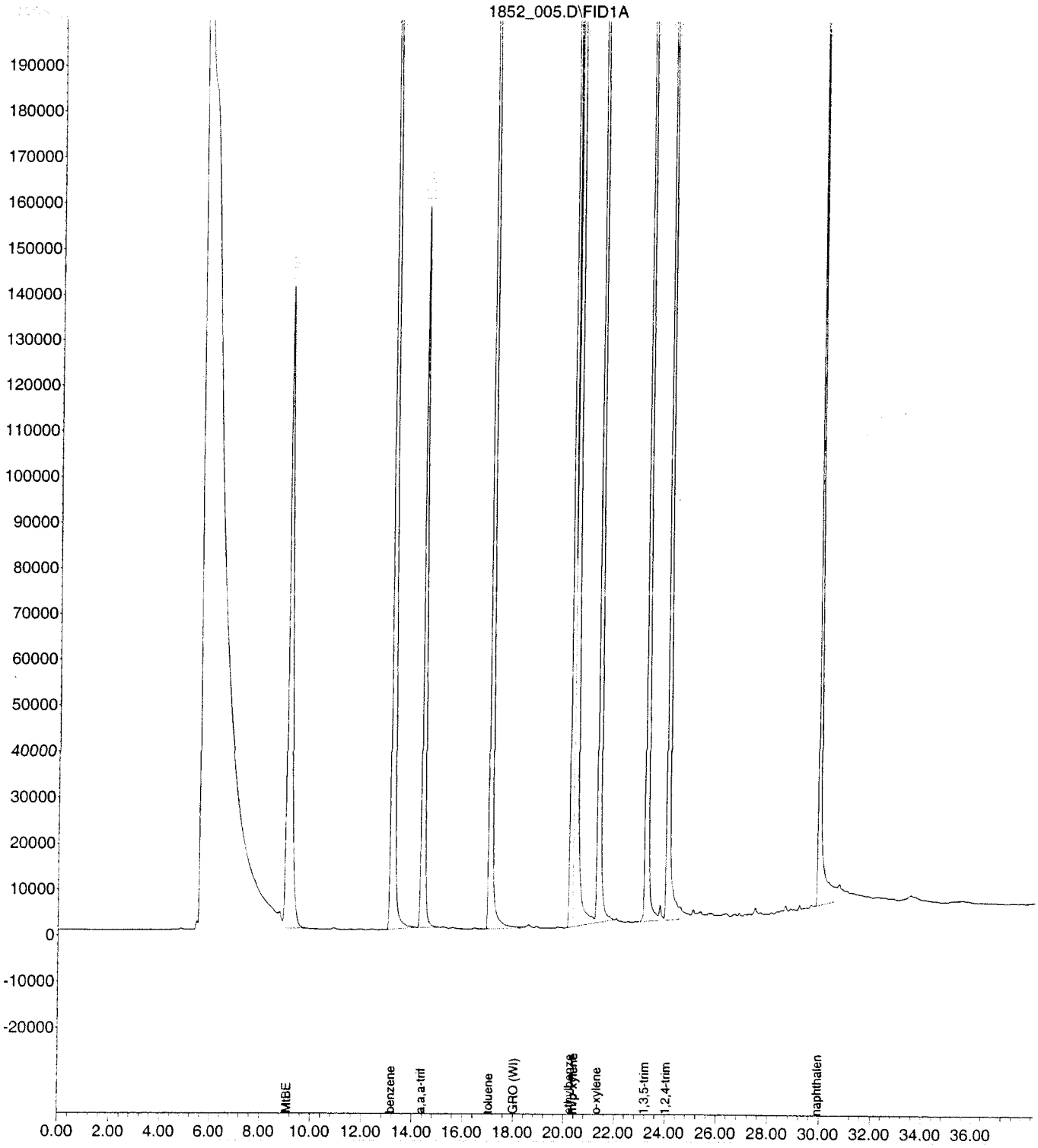
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_005.D
Acq On : 19 Feb 2007 19:00
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : N:\1\DATA\1852\1852_006.D
Acq On : 19 Feb 2007 19:47
Sample : GRO L-5
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	14.36	24432441	0.412 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	164.80%#
Target Compounds			
2) H GRO (WI)	18.00	455315940	5.227 mg/L
3) M MtBE	9.06	34016759	0.557 mg/L
4) M benzene	13.14	52446155	0.527 mg/L
5) M toluene	17.03	50274715	0.520 mg/L
6) M ethylbenzene	20.22	46010504	0.549 mg/L
7) M m/p-xylene	20.38	98492046	0.521 mg/L
8) M o-xylene	21.31	52053132	0.532 mg/L
9) M 1,3,5-trimethylbenzene	23.20	43991208	0.527 mg/L
10) M 1,2,4-trimethylbenzene	24.03	46408423	0.543 mg/L
11) M naphthalene	29.92	27770324	0.572 mg/L

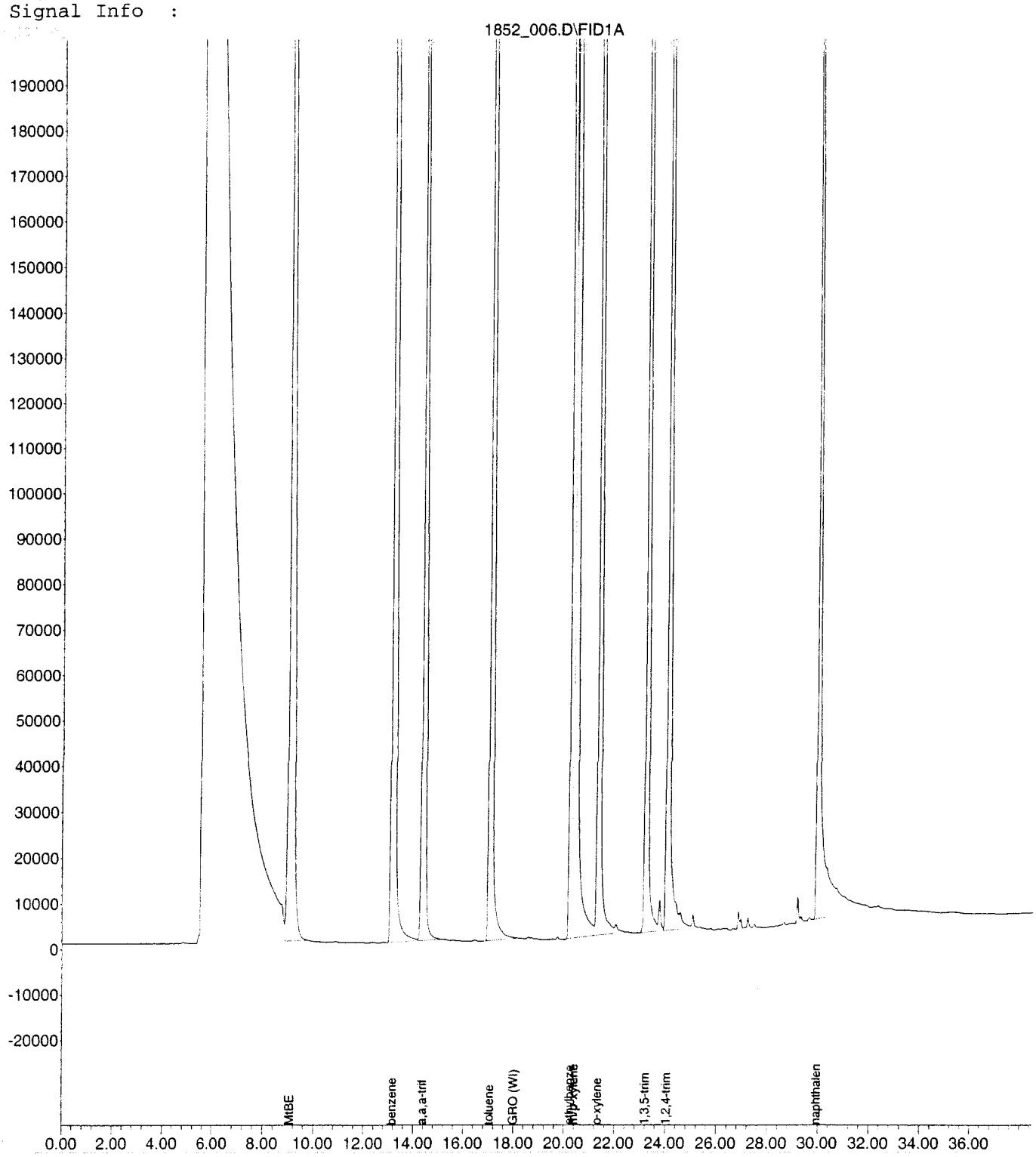
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_006.D
Acq On : 19 Feb 2007 19:47
Sample : GRO L-5
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1852\1852_007.D
Acq On : 19 Feb 2007 20:33
Sample : GRO L-6
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.37	46538429	0.785 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 314.00%#
		Target Compounds			
2)	H	GRO (WI)	18.00	884743987	10.157 mg/L
3)	M	MtBE	9.09	61049421	1.000 mg/L
4)	M	benzene	13.15	98282931	0.988 mg/L
5)	M	toluene	17.04	95895577	0.991 mg/L
6)	M	ethylbenzene	20.22	88878681	1.061 mg/L
7)	M	m/p-xylene	20.39	196247957	1.038 mg/L
8)	M	o-xylene	21.32	98055392	1.002 mg/L
9)	M	1,3,5-trimethylbenzene	23.20	89680688	1.075 mg/L
10)	M	1,2,4-trimethylbenzene	24.04	92157696	1.079 mg/L
11)	M	naphthalene	29.93	57693085	1.189 mg/L

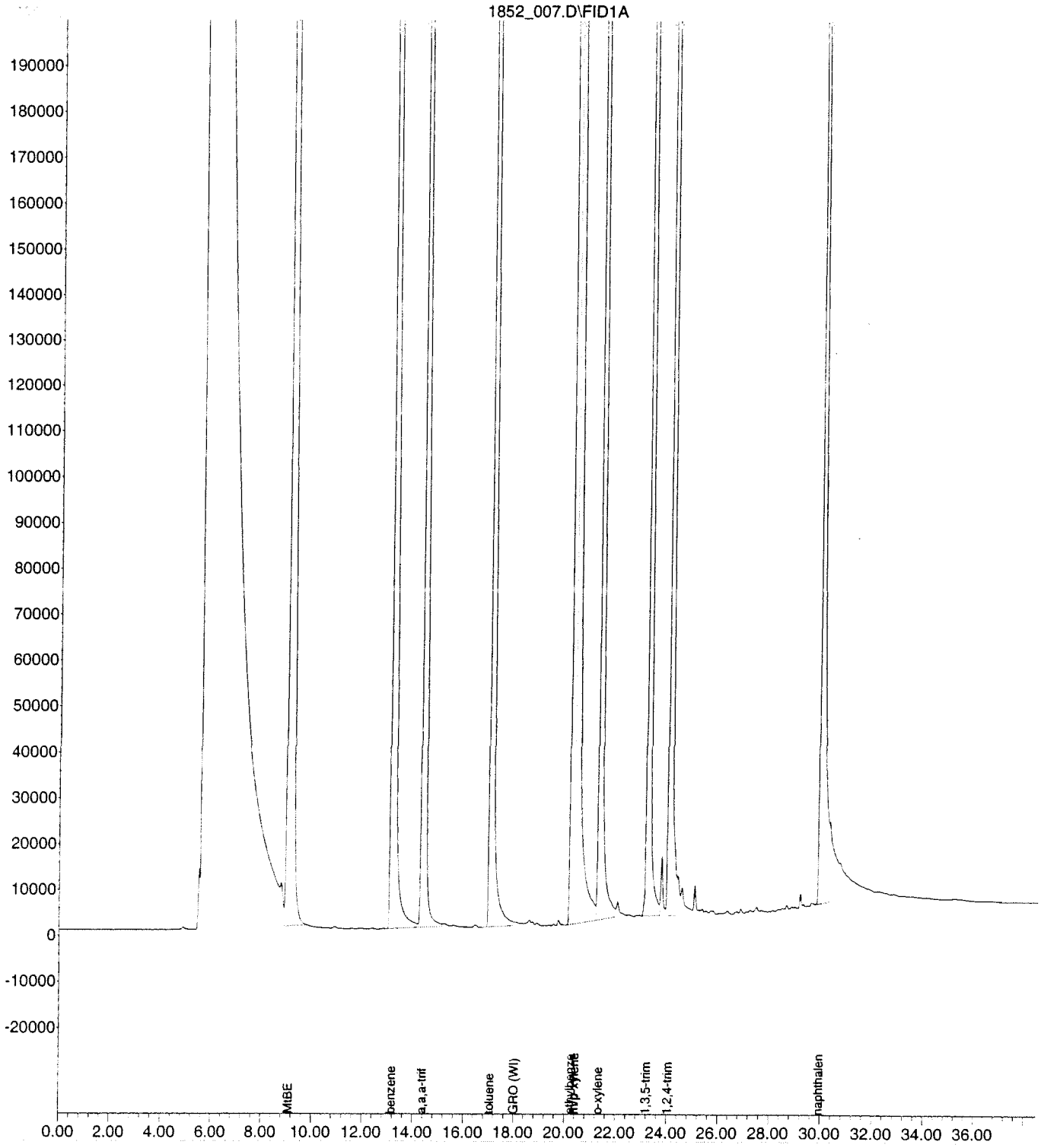
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : N:\1\DATA\1852\1852_007.D
Acq On : 19 Feb 2007 20:33
Sample : GRO L-6
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 17:06 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:11:57 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Data File : N:\1\DATA\1852\1852_008.D Vial: 8
Acq On : 19 Feb 2007 21:19 Operator: HP Demo
Sample : ICV01 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Feb 20 18:08 2007 Quant Results File: GROW.RES

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:13:00 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	14.36	11656424	0.237 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 94.80%
		Target Compounds			
2)	H	GRO (WI)	18.00	152569130	1.751 mg/L
3)	M	MtBE	8.94f	8193960	0.134 mg/L
4)	M	benzene	13.15	4553510	0.046 mg/L
5)	M	toluene	17.03	21882766	0.226 mg/L
6)	M	ethylbenzene	20.21	4318992	0.052 mg/L
7)	M	m/p-xylene	20.37	17330643	0.092 mg/L
8)	M	o-xylene	21.31	6675171	0.068 mg/L
9)	M	1,3,5-trimethylbenzene	23.18	2759084	0.033 mg/L
10)	M	1,2,4-trimethylbenzene	24.03	7804317	0.091 mg/L
11)	M	naphthalene	29.92	1990702	0.041 mg/L

Quantitation Report (Not Reviewed)

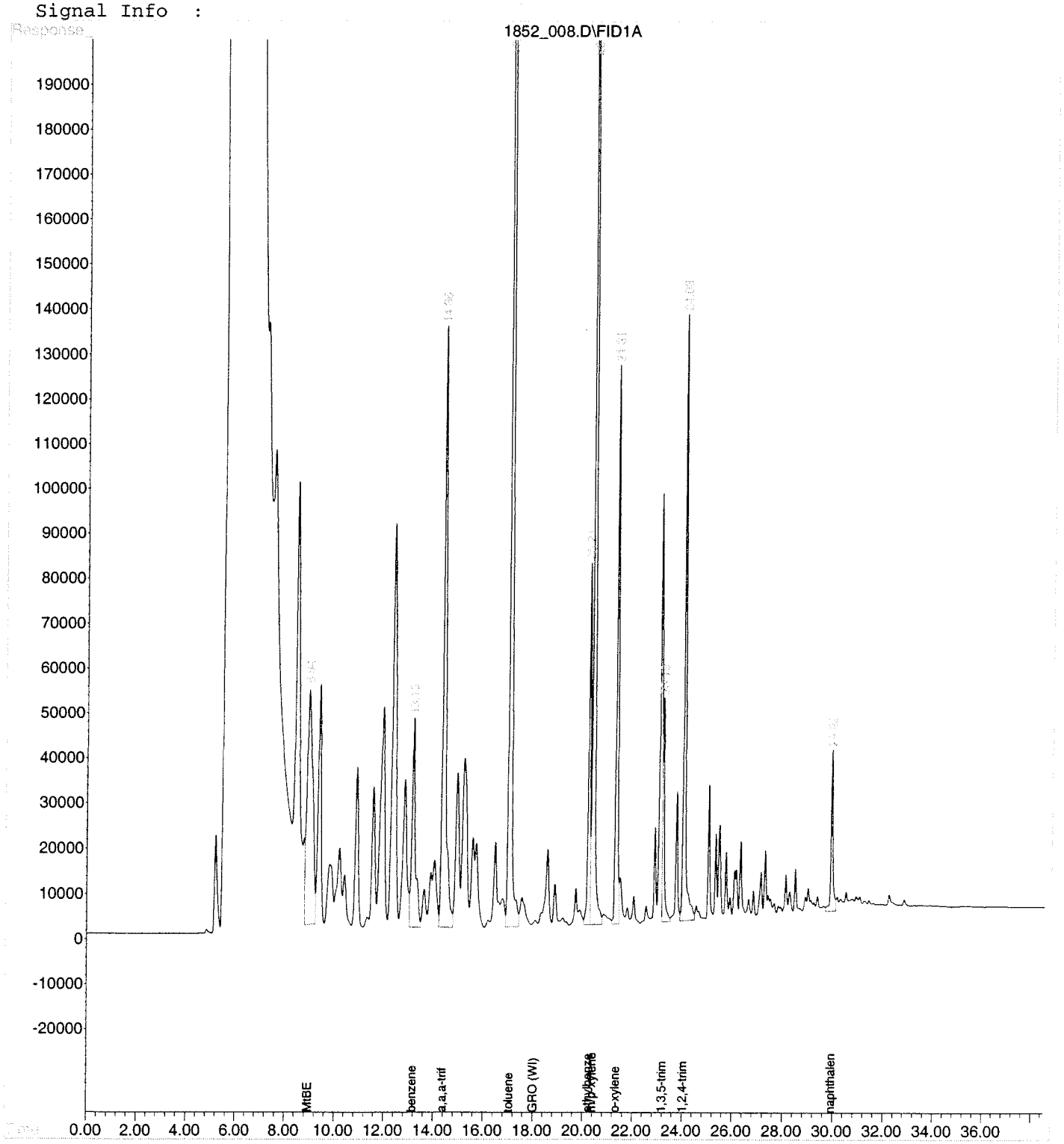
Data File : N:\1\DATA\1852\1852_008.D
Acq On : 19 Feb 2007 21:19
Sample : ICV01
Misc :
IntFile : EVENTS.E
Quant Time: Feb 20 18:08 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Tue Feb 20 17:13:00 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

ICV01
UNLEADED GASOLINE
PATTERN UNDER GR CONDITIONS



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_001.D
Acq On : 8 May 2007 15:19
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 1
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount	0.250 Range	70 - 130	Recovery	=	0.00%#
	Target Compounds				
2) H	GRO (WI)	22.00	229004	0.003	mg/L
3) M	MtBE	0.00	0	N.D.	mg/L
4) M	benzene	0.00	0	N.D.	mg/L
5) M	toluene	0.00	0	N.D.	mg/L
6) M	ethylbenzene	0.00	0	N.D.	mg/L
7) M	m/p-xylene	0.00	0	N.D.	mg/L
8) M	o-xylene	0.00	0	N.D.	mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11) M	naphthalene	33.20	53978	0.001	mg/L

Quantitation Report (Not Reviewed)

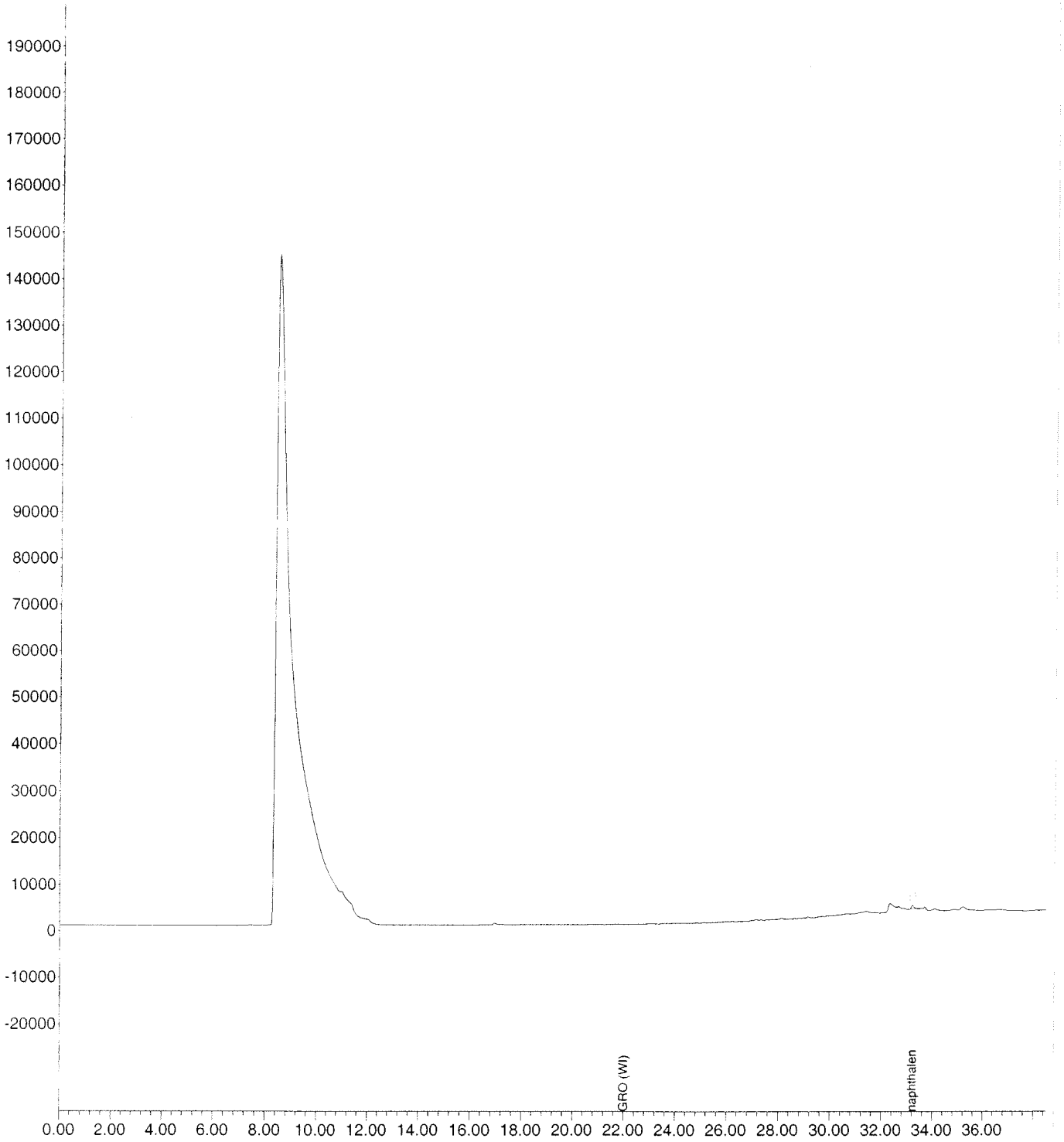
Data File : N:\1\DATA\1966\1966_001.D
Acq On : 8 May 2007 15:19
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 1
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_001.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_002.D
Acq On : 8 May 2007 16:06
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.87	8844071	0.177 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 70.80%
		Target Compounds			
2)	H	GRO (WI)	22.00	207375604	2.381 mg/L
3)	M	MtBE	12.61f	14459262	0.237 mg/L
4)	M	benzene	16.85	23137514	0.233 mg/L
5)	M	toluene	20.45	22727379	0.235 mg/L
6)	M	ethylbenzene	23.45	21046444	0.251 mg/L
7)	M	m/p-xylene	23.59	44688606	0.236 mg/L
8)	M	o-xylene	24.50	23640599	0.242 mg/L
9)	M	1,3,5-trimethylbenzene	26.26	21029763	0.252 mg/L
10)	M	1,2,4-trimethylbenzene	27.09	21781577	0.255 mg/L
11)	M	naphthalene	33.11	14215041	0.293 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

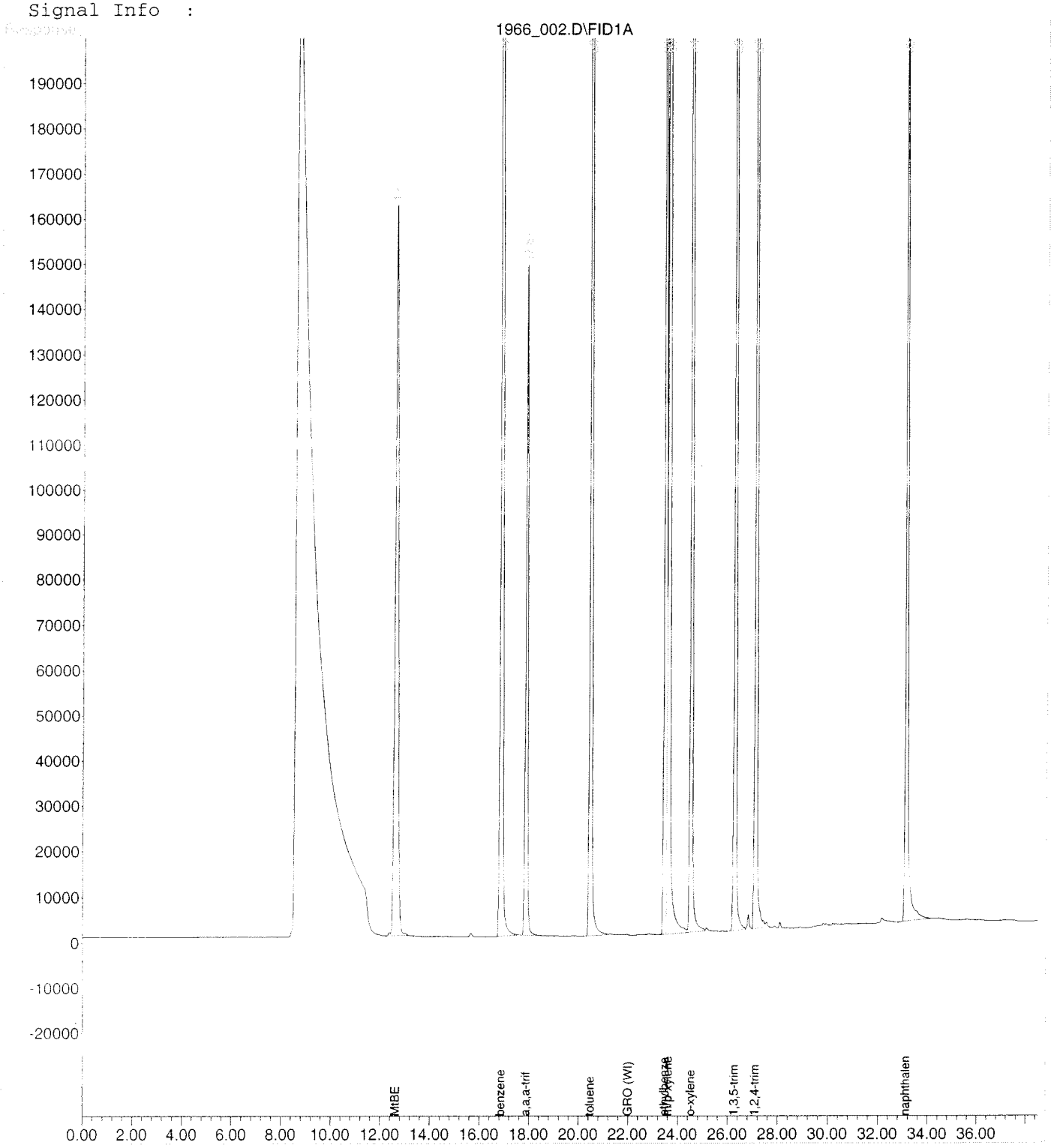
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_002.D
Acq On : 8 May 2007 16:06
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 2
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_003.D
Acq On : 8 May 2007 17:10
Sample : BLA FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	17.76	8145994	0.161 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	64.40%#
Target Compounds			
2) H GRO (WI)	22.00	1502801	0.017 mg/L
3) M MtBE	0.00	0	N.D. mg/L
4) M benzene	0.00	0	N.D. mg/L
5) M toluene	0.00	0	N.D. mg/L
6) M ethylbenzene	23.53f	39125	0.000 mg/L
7) M m/p-xylene	23.53f	39125	0.000 mg/L
8) M o-xylene	0.00	0	N.D. mg/L
9) M 1,3,5-trimethylbenzene	26.22	25996	0.000 mg/L
10) M 1,2,4-trimethylbenzene	27.05	49975	0.001 mg/L
11) M naphthalene	33.10	570324	0.012 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

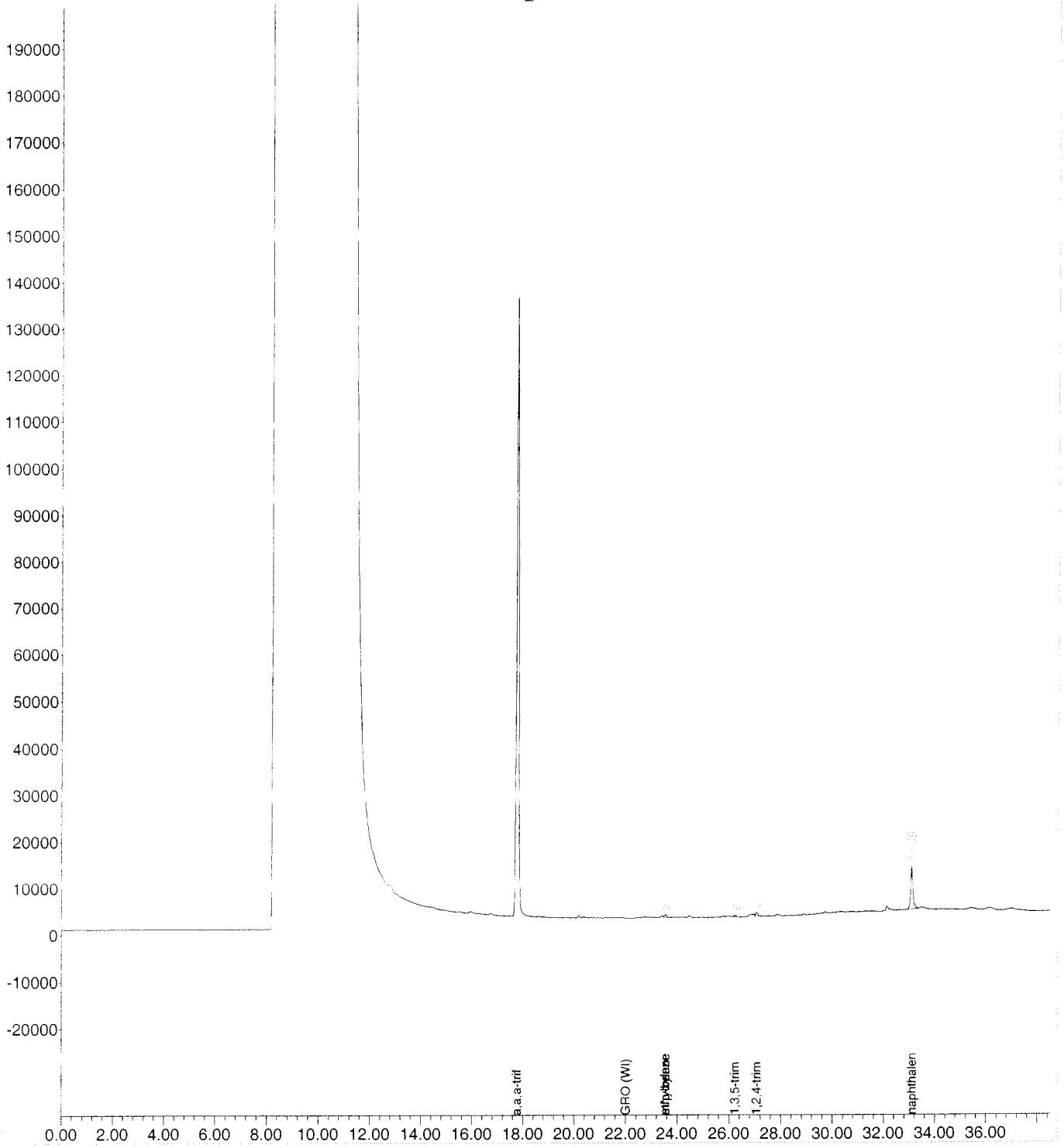
Data File : N:\1\DATA\1966\1966_003.D
Acq On : 8 May 2007 17:10
Sample : BLA FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 3
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_003.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_004.D
Acq On : 8 May 2007 17:57
Sample : LCS FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
1)	S	a,a,a-trifluorotoluene	17.78	8790324	0.175 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 70.00%
Target Compounds					
2)	H	GRO (WI)	22.00	192386055	2.209 mg/L
3)	M	MtBE	12.44	12612395	0.207 mg/L
4)	M	benzene	16.74	21610283	0.217 mg/L
5)	M	toluene	20.40	21349525	0.221 mg/L
6)	M	ethylbenzene	23.41	20418487	0.244 mg/L
7)	M	m/p-xylene	23.56	42644870	0.226 mg/L
8)	M	o-xylene	24.47	20976397	0.214 mg/L
9)	M	1,3,5-trimethylbenzene	26.24	20338076	0.244 mg/L
10)	M	1,2,4-trimethylbenzene	27.07	20080358	0.235 mg/L
11)	M	naphthalene	33.10	10904258	0.225 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

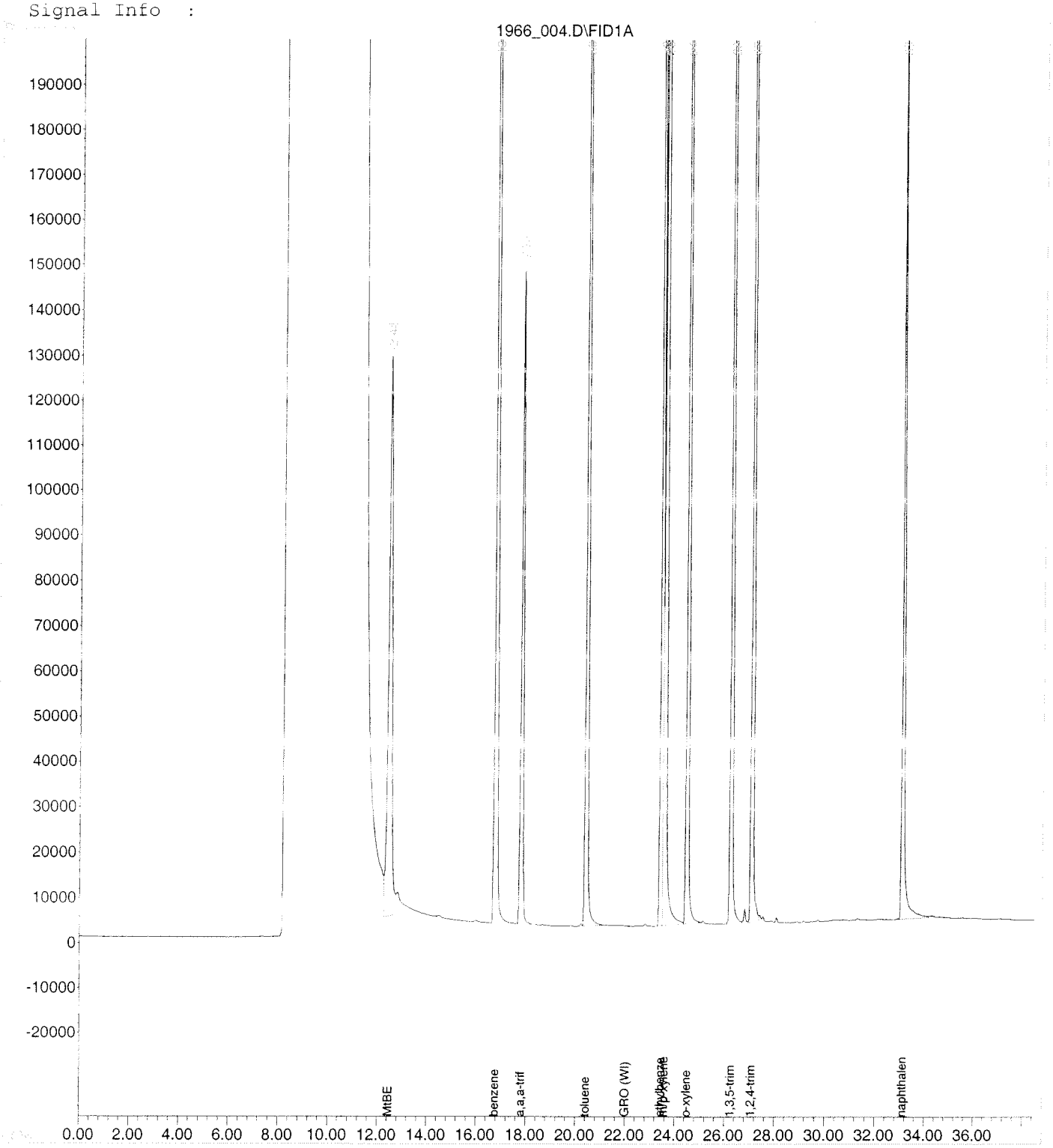
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_004.D
Acq On : 8 May 2007 17:57
Sample : LCS FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 4
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_005.D
Acq On : 8 May 2007 18:43
Sample : A768806 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.75	9125247	0.183 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 73.20%
	Target Compounds			
2) H	GRO (WI)	22.00	10413291	0.120 mg/L
3) M	MtBE	12.42	3567942	0.058 mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	0.00	0	N.D. mg/L
6) M	ethylbenzene	23.51f	48463	0.001 mg/L
7) M	m/p-xylene	23.51f	48463	0.000 mg/L
8) M	o-xylene	24.45	67583	0.001 mg/L
9) M	1,3,5-trimethylbenzene	26.20	81590	0.001 mg/L
10) M	1,2,4-trimethylbenzene	27.03	265111	0.003 mg/L
11) M	naphthalene	33.05	504339	0.010 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

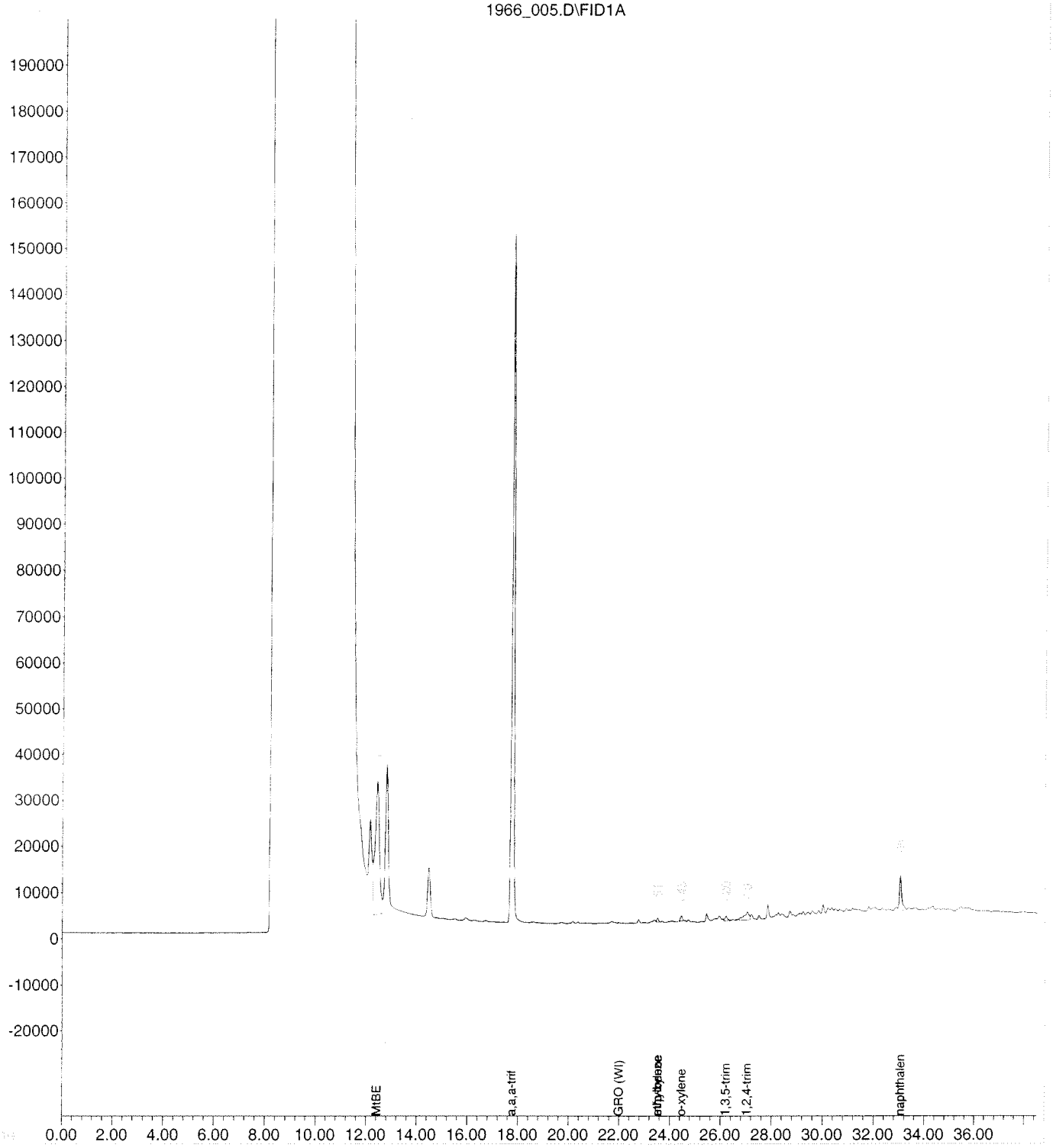
Data File : N:\1\DATA\1966\1966_005.D
Acq On : 8 May 2007 18:43
Sample : A768806 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 5
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_005.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_006.D
Acq On : 8 May 2007 19:29
Sample : A768806 MS FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.75	9694286	0.195 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 78.00%
		Target Compounds			
2)	H	GRO (WI)	22.00	218377997	2.507 mg/L
3)	M	MtBE	12.41	14372378	0.236 mg/L
4)	M	benzene	16.71	23774439	0.239 mg/L
5)	M	toluene	20.36	23966489	0.248 mg/L
6)	M	ethylbenzene	23.52f	48407419	0.578 mg/L
7)	M	m/p-xylene	23.52f	48407419	0.256 mg/L
8)	M	o-xylene	24.43	23928422	0.245 mg/L
9)	M	1,3,5-trimethylbenzene	26.20	23194412	0.278 mg/L
10)	M	1,2,4-trimethylbenzene	27.03	22820222	0.267 mg/L
11)	M	naphthalene	33.05	11370007	0.234 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

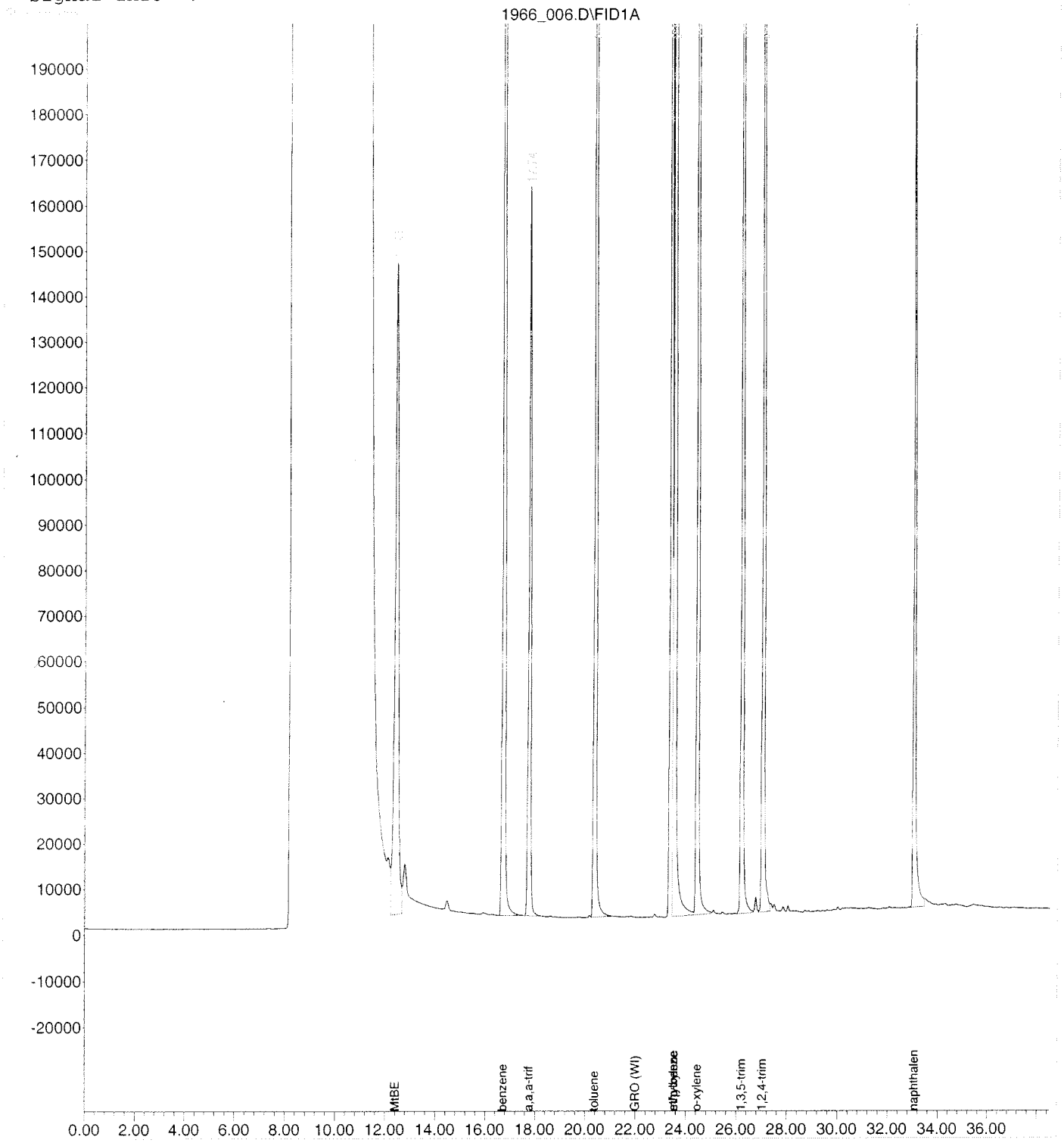
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_006.D
Acq On : 8 May 2007 19:29
Sample : A768806 MS FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 6
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_007.D
Acq On : 8 May 2007 20:16
Sample : A768806 MSD FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.71f	10081156	0.203 mg/L
Spiked Amount	0.250 Range	70 - 130	Recovery =	81.20%
	Target Compounds			
2) H	GRO (WI)	22.00	236369023	2.714 mg/L
3) M	MtBE	12.39	14787347	0.242 mg/L
4) M	benzene	16.68f	25279159	0.254 mg/L
5) M	toluene	20.32f	25742001	0.266 mg/L
6) M	ethylbenzene	23.48	52503282	0.627 mg/L
7) M	m/p-xylene	0.00	0	N.D. mg/L
8) M	o-xylene	24.39f	25957097	0.265 mg/L
9) M	1,3,5-trimethylbenzene	26.16f	25376254	0.304 mg/L
10) M	1,2,4-trimethylbenzene	26.99f	24969789	0.292 mg/L
11) M	naphthalene	33.01f	13126694	0.270 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

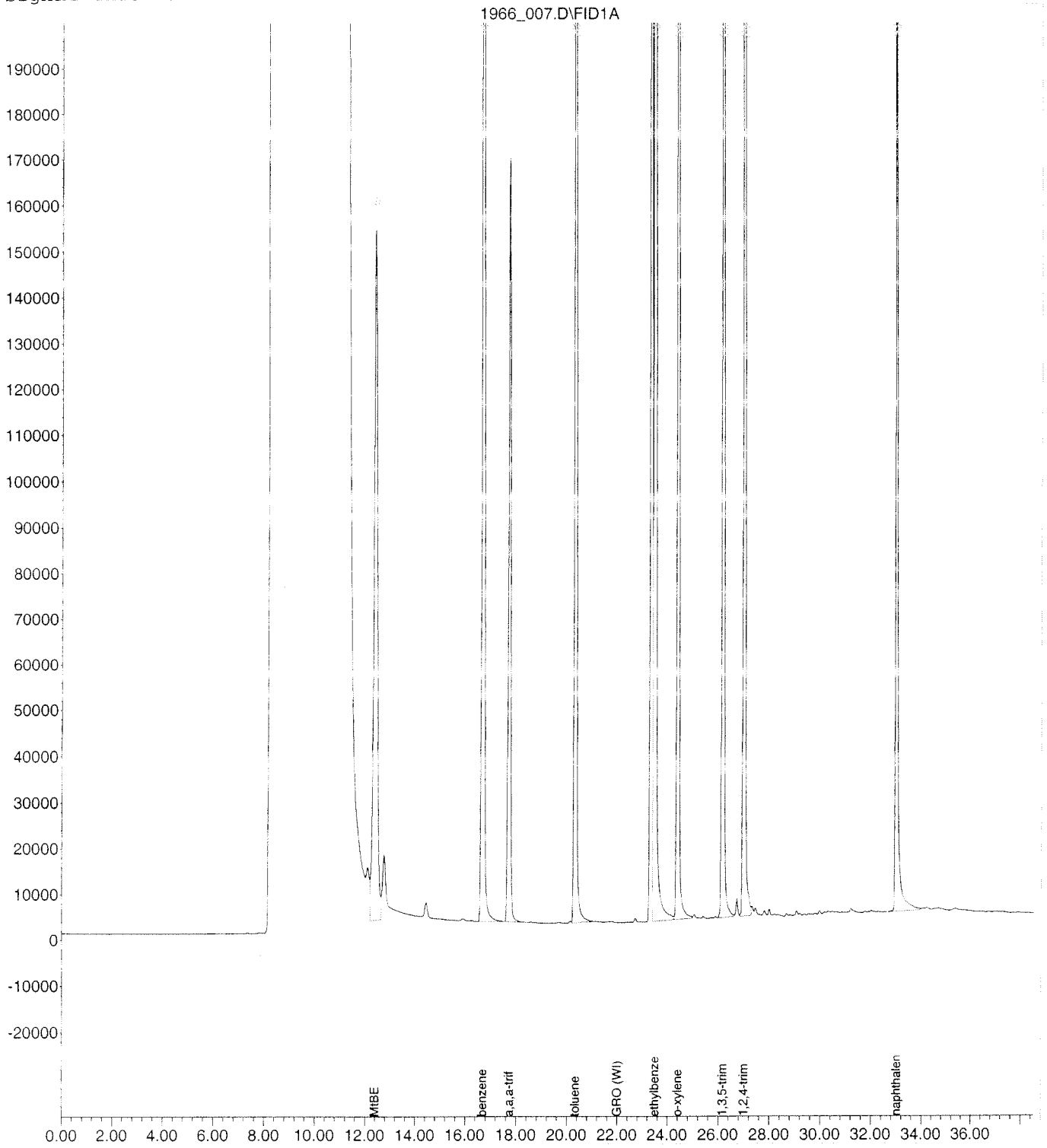
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_007.D
Acq On : 8 May 2007 20:16
Sample : A768806 MSD FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 7
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_008.D
Acq On : 8 May 2007 21:02
Sample : A768795 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
1)	S	a,a,a-trifluorotoluene	17.73	10470486	0.212 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 84.80%
Target Compounds					
2)	H	GRO (WI)	22.00	12655522	0.145 mg/L
3)	M	MtBE	12.40	5887727	0.096 mg/L
4)	M	benzene	0.00	0	N.D. mg/L
5)	M	toluene	20.34	23765	0.000 mg/L
6)	M	ethylbenzene	23.50f	69011	0.001 mg/L
7)	M	m/p-xylene	23.50f	69011	0.000 mg/L
8)	M	o-xylene	24.43	42286	0.000 mg/L
9)	M	1,3,5-trimethylbenzene	26.18	70876	0.001 mg/L
10)	M	1,2,4-trimethylbenzene	27.01	149166	0.002 mg/L
11)	M	naphthalene	33.03f	572442	0.012 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

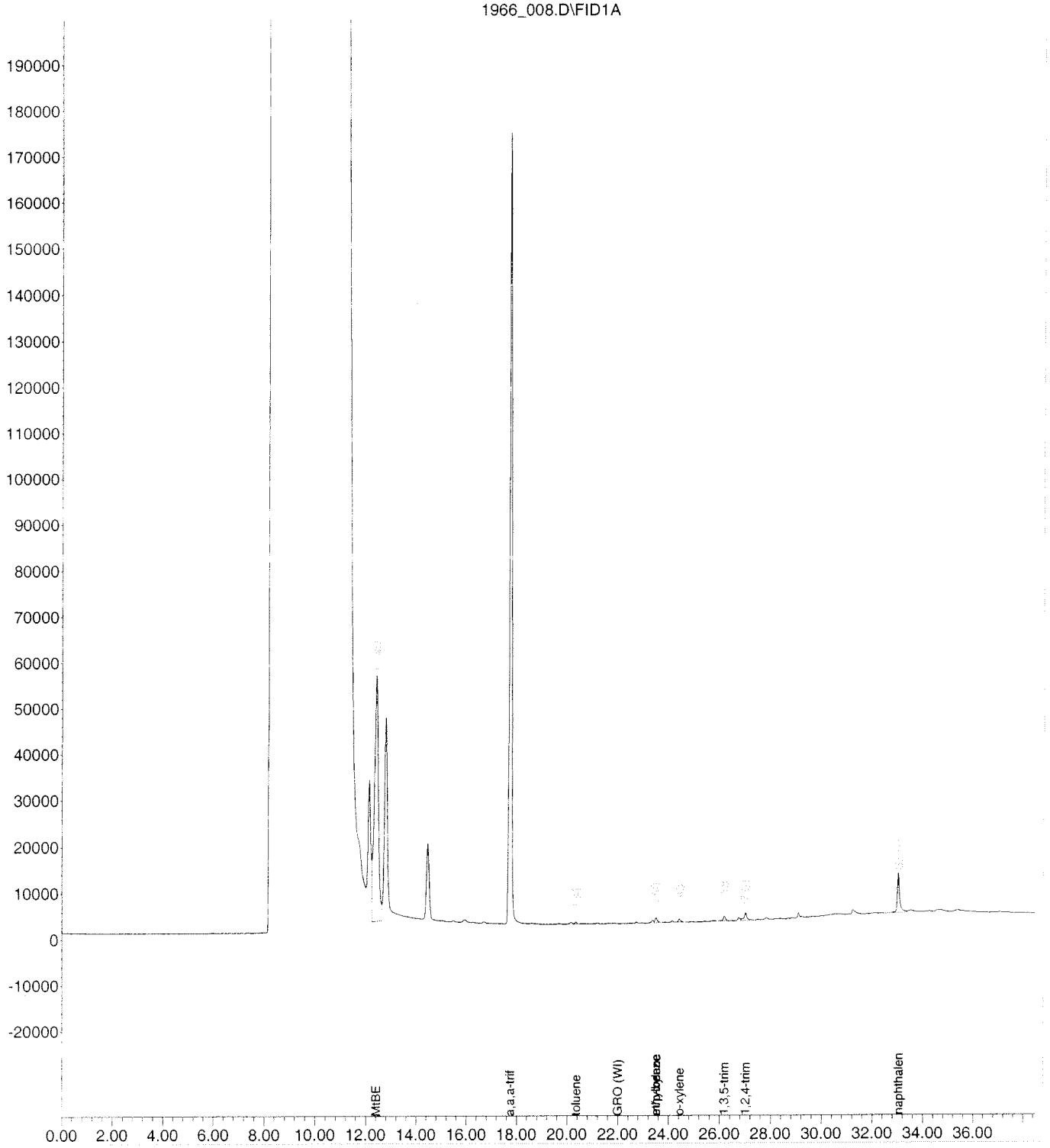
Data File : N:\1\DATA\1966\1966_008.D
Acq On : 8 May 2007 21:02
Sample : A768795 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 8
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_008.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_009.D
Acq On : 8 May 2007 21:48
Sample : A768796 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 9
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.75	8927124	0.178 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 71.20%
	Target Compounds			
2) H	GRO (WI)	22.00	8106164	0.093 mg/L
3) M	MtBE	12.43	3639666	0.060 mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	0.00	0	N.D. mg/L
6) M	ethylbenzene	23.52f	28790	0.000 mg/L
7) M	m/p-xylene	23.52f	28790	0.000 mg/L
8) M	o-xylene	0.00	0	N.D. mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M	1,2,4-trimethylbenzene	27.03	39995	0.000 mg/L
11) M	naphthalene	33.06	147369	0.003 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

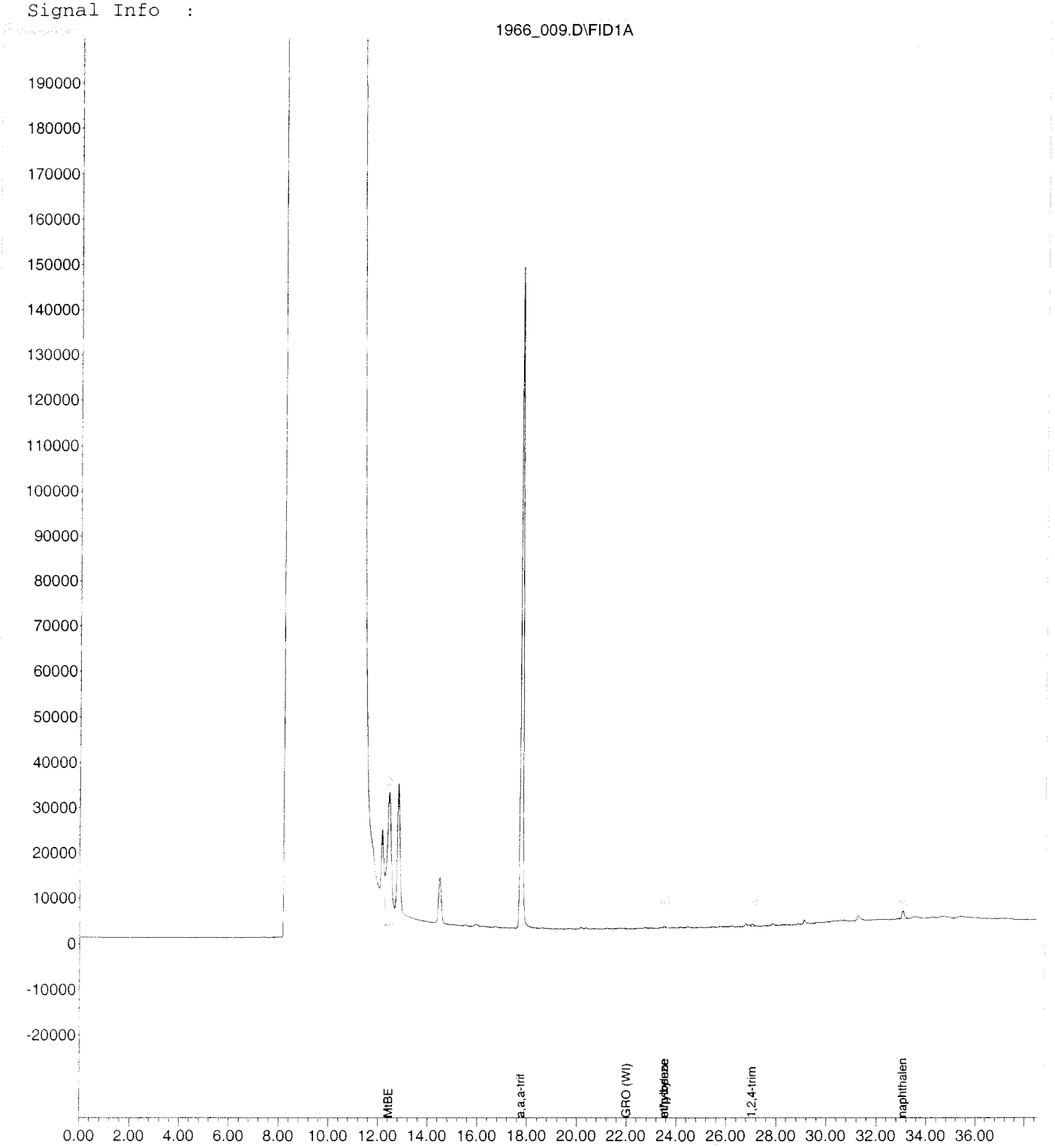
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_009.D
Acq On : 8 May 2007 21:48
Sample : A768796 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 9
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_010.D
Acq On : 8 May 2007 22:34
Sample : A768797 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 10
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.77	10381848	0.210 mg/L
Spiked Amount	0.250	Range 70 - 130	Recovery =	84.00%
	Target Compounds			
2) H	GRO (WI)	22.00	15496040	0.178 mg/L
3) M	MtBE	12.44	8578373	0.141 mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	20.37	27116	0.000 mg/L
6) M	ethylbenzene	23.53f	37473	0.000 mg/L
7) M	m/p-xylene	23.53f	37473	0.000 mg/L
8) M	o-xylene	24.47	24183	0.000 mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M	1,2,4-trimethylbenzene	27.04	60754	0.001 mg/L
11) M	naphthalene	33.08	90698	0.002 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

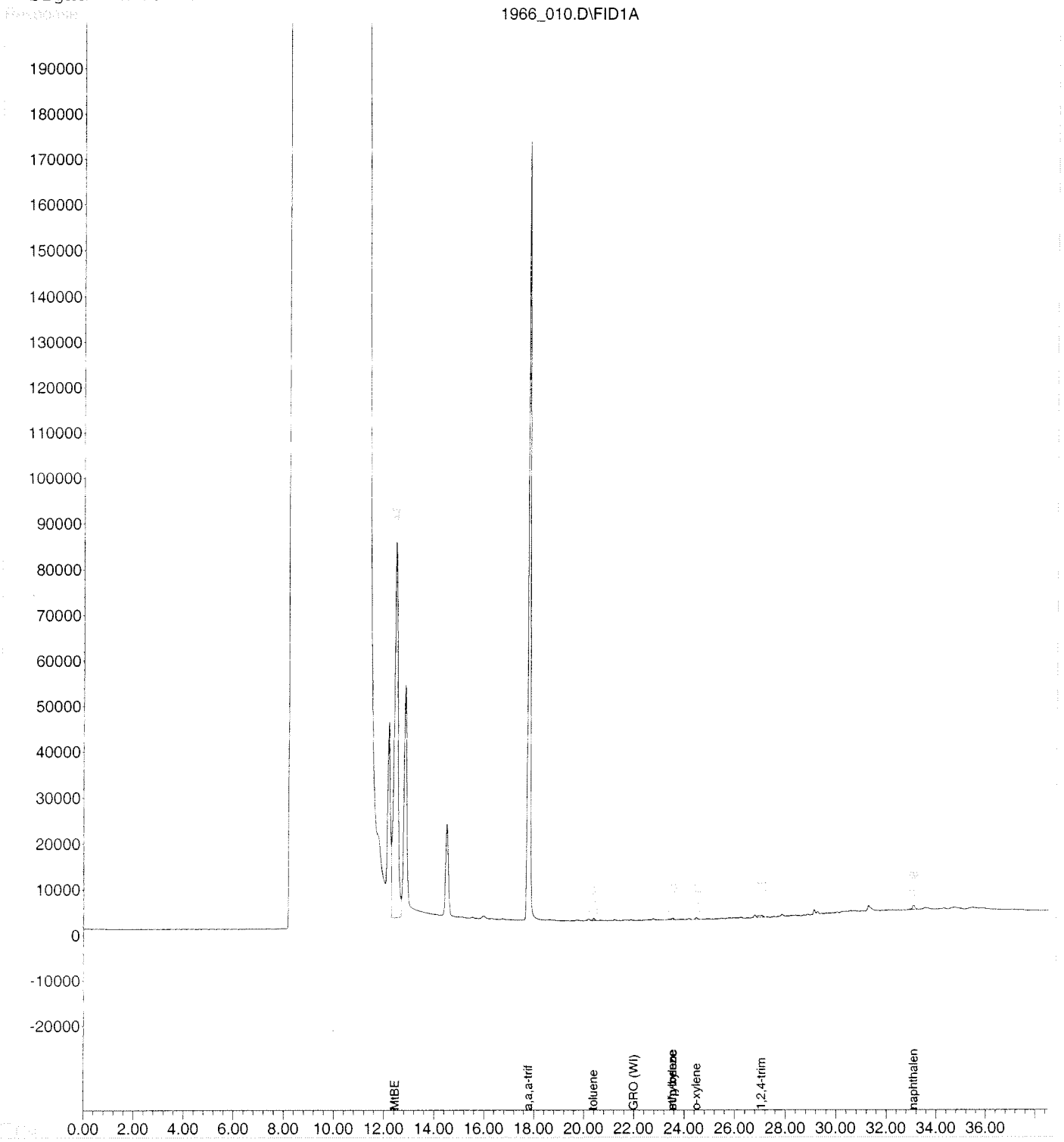
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_010.D
Acq On : 8 May 2007 22:34
Sample : A768797 FS1185
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 10
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_011.D
Acq On : 8 May 2007 23:21
Sample : A768798 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 11
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.80	11207286	0.228 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 91.20%
	Target Compounds			
2) H	GRO (WI)	22.00	4329015	0.050 mg/L
3) M	MtBE	12.46	1796112	0.029 mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	20.41	38658	0.000 mg/L
6) M	ethylbenzene	0.00	0	N.D. mg/L
7) M	m/p-xylene	0.00	0	N.D. mg/L
8) M	o-xylene	0.00	0	N.D. mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D. mg/L
11) M	naphthalene	33.12	76785	0.002 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

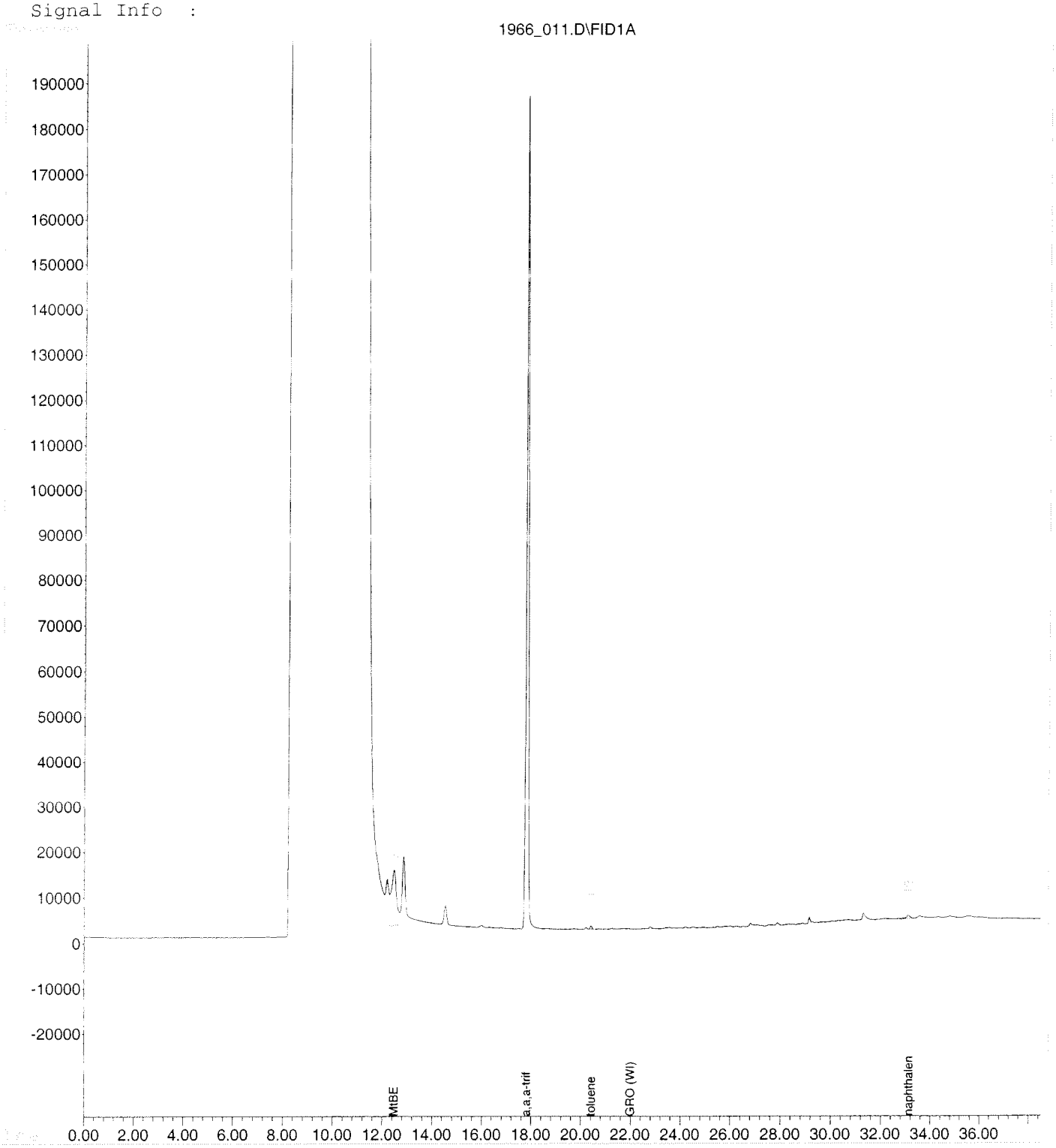
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_011.D
Acq On : 8 May 2007 23:21
Sample : A768798 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 11
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_012.D
Acq On : 9 May 2007 00:07
Sample : A768799 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 12
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.80	9893250	0.199 mg/L
Spiked Amount	0.250	Range 70 - 130	Recovery =	79.60%
	Target Compounds			
2) H	GRO (WI)	22.00	915633	0.011 mg/L
3) M	MtBE	0.00	0	N.D. mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	0.00	0	N.D. mg/L
6) M	ethylbenzene	0.00	0	N.D. mg/L
7) M	m/p-xylene	0.00	0	N.D. mg/L
8) M	o-xylene	24.50	51179	0.001 mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D. mg/L
11) M	naphthalene	33.12	73841	0.002 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

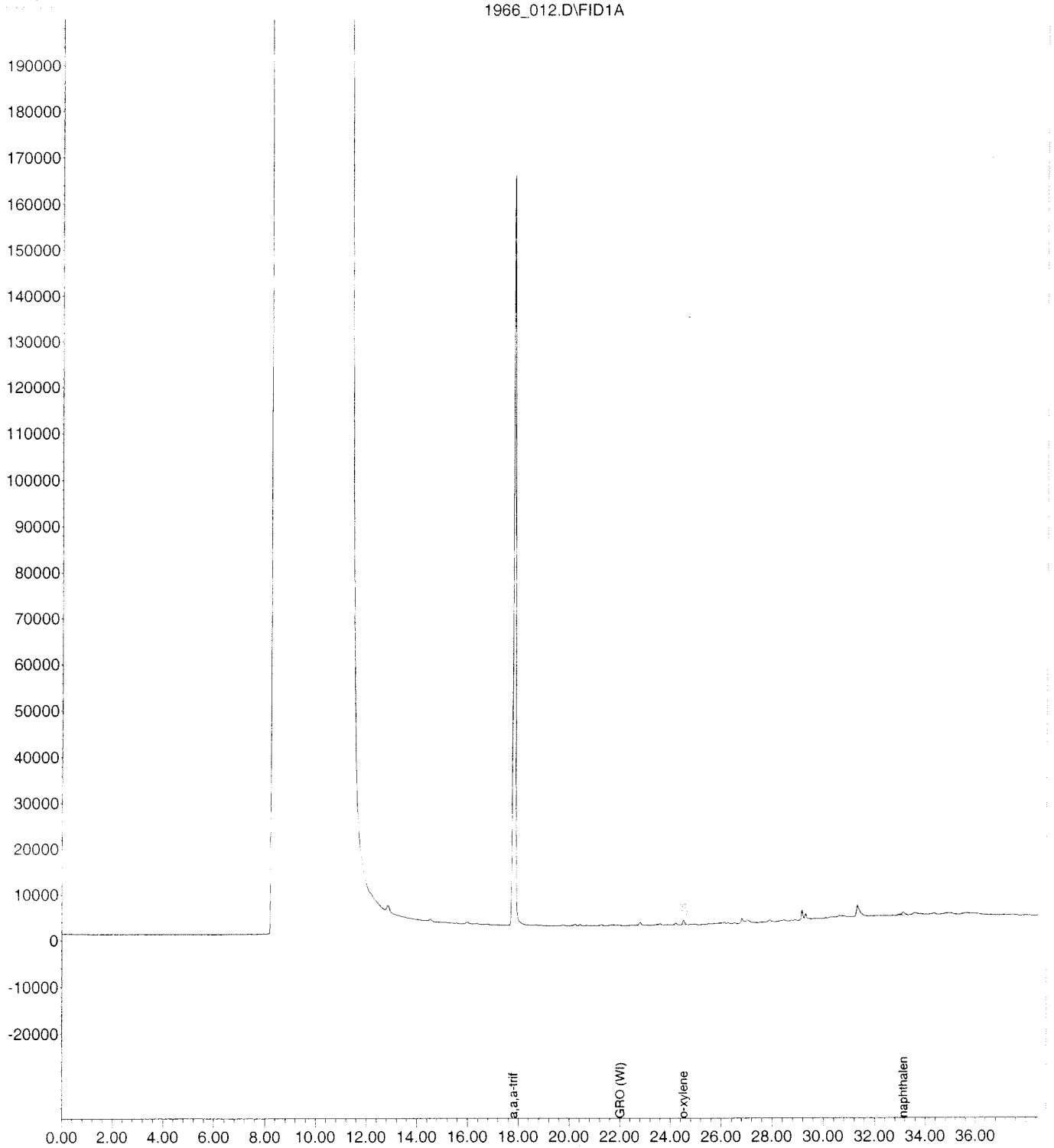
Data File : N:\1\DATA\1966\1966_012.D
Acq On : 9 May 2007 00:07
Sample : A768799 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 12
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_012.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_013.D
Acq On : 9 May 2007 00:53
Sample : A768800 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 13
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.79	8409729	0.167 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 66.80%#
		Target Compounds			
2)	H	GRO (WI)	22.00	734361	0.008 mg/L
3)	M	MtBE	0.00	0	N.D. mg/L
4)	M	benzene	0.00	0	N.D. mg/L
5)	M	toluene	0.00	0	N.D. mg/L
6)	M	ethylbenzene	23.41	25935	0.000 mg/L
7)	M	m/p-xylene	23.56	50304	0.000 mg/L
8)	M	o-xylene	24.48	20756	0.000 mg/L
9)	M	1,3,5-trimethylbenzene	26.24	28555	0.000 mg/L
10)	M	1,2,4-trimethylbenzene	27.07	25244	0.000 mg/L
11)	M	naphthalene	33.10	75759	0.002 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

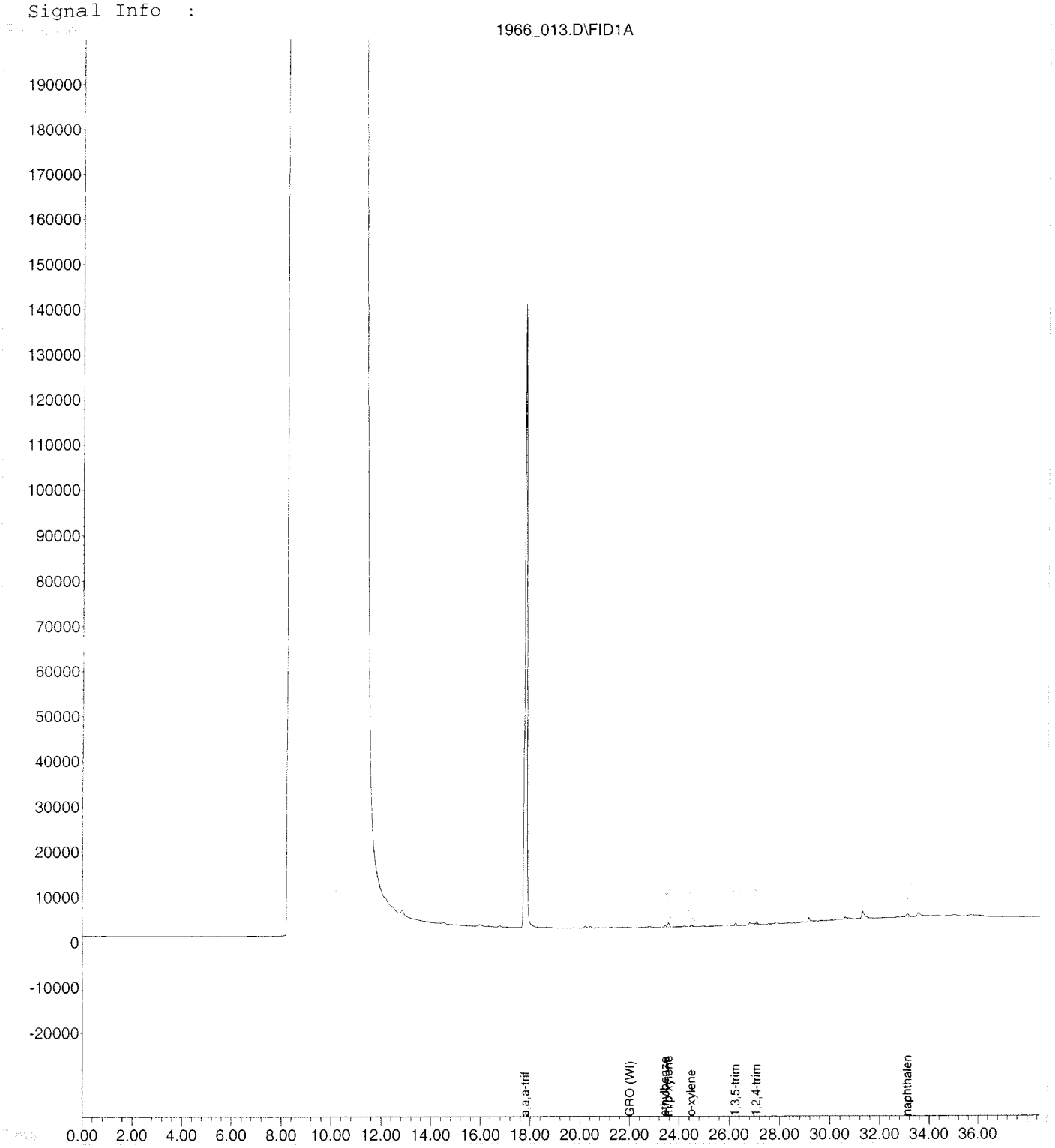
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_013.D
Acq On : 9 May 2007 00:53
Sample : A768800 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 13
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_014.D
Acq On : 9 May 2007 1:39
Sample : A768801 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 14
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	a,a,a-trifluorotoluene	17.84	10524848	0.213 mg/L
Spiked Amount		0.250	Range	70 - 130	Recovery = 85.20%
		Target Compounds			
2)	H	GRO (WI)	22.00	1138363	0.013 mg/L
3)	M	MtBE	12.50	131670	0.002 mg/L
4)	M	benzene	0.00	0	N.D. mg/L
5)	M	toluene	20.25f	22747	0.000 mg/L
6)	M	ethylbenzene	0.00	0	N.D. mg/L
7)	M	m/p-xylene	0.00	0	N.D. mg/L
8)	M	o-xylene	0.00	0	N.D. mg/L
9)	M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10)	M	1,2,4-trimethylbenzene	0.00	0	N.D. mg/L
11)	M	naphthalene	33.17	66654	0.001 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

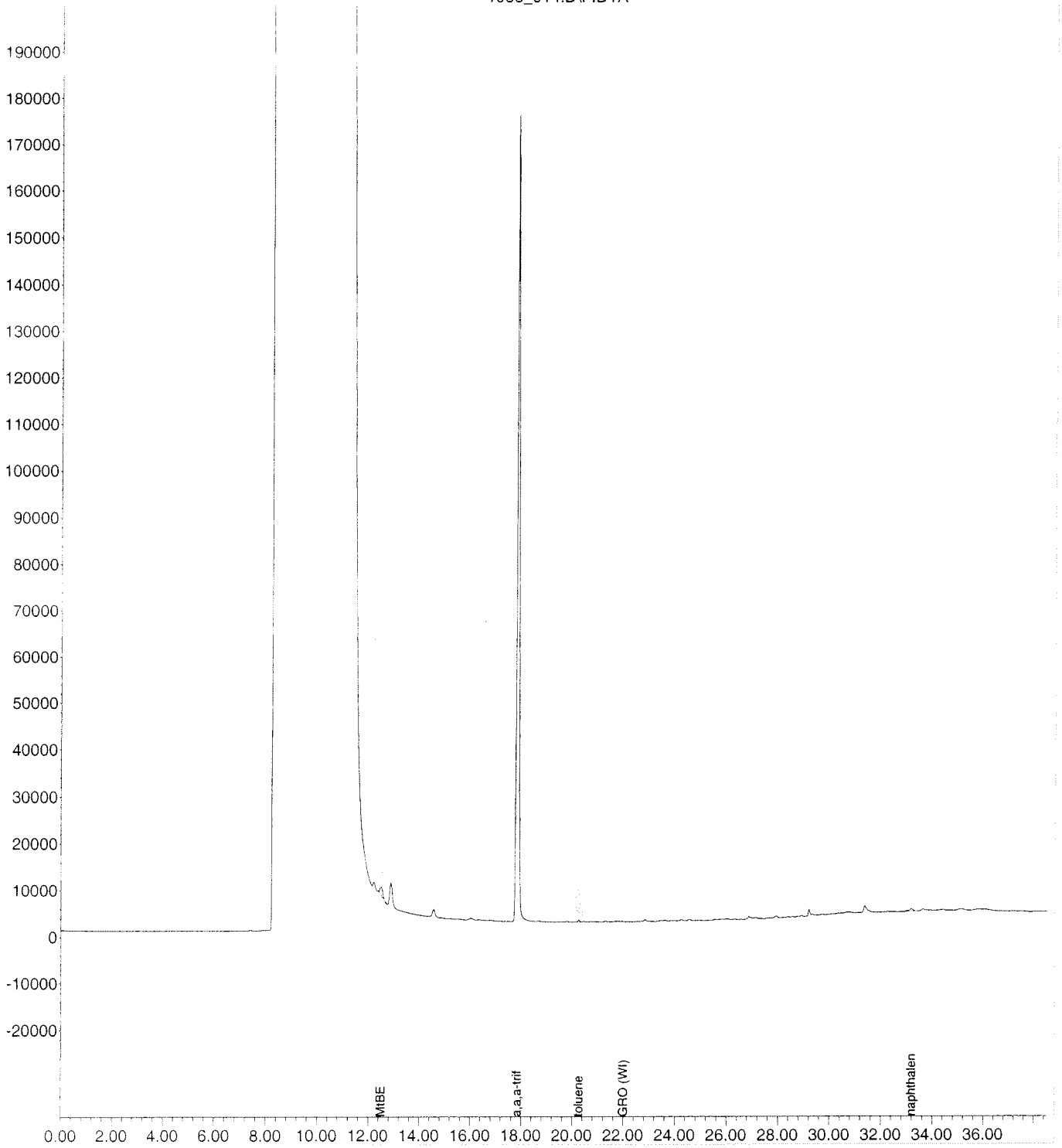
Data File : N:\1\DATA\1966\1966_014.D
Acq On : 9 May 2007 1:39
Sample : A768801 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 14
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_014.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_015.D
Acq On : 9 May 2007 2:25
Sample : A768802 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 15
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.89	10924107	0.222 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 88.80%
	Target Compounds			
2) H	GRO (WI)	22.00	4321037	0.050 mg/L
3) M	MtBE	12.55	1347390	0.022 mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	20.31f	24360	0.000 mg/L
6) M	ethylbenzene	0.00	0	N.D. mg/L
7) M	m/p-xylene	0.00	0	N.D. mg/L
8) M	o-xylene	0.00	0	N.D. mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M	1,2,4-trimethylbenzene	26.91f	35440	0.000 mg/L
11) M	naphthalene	33.25f	62736	0.001 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

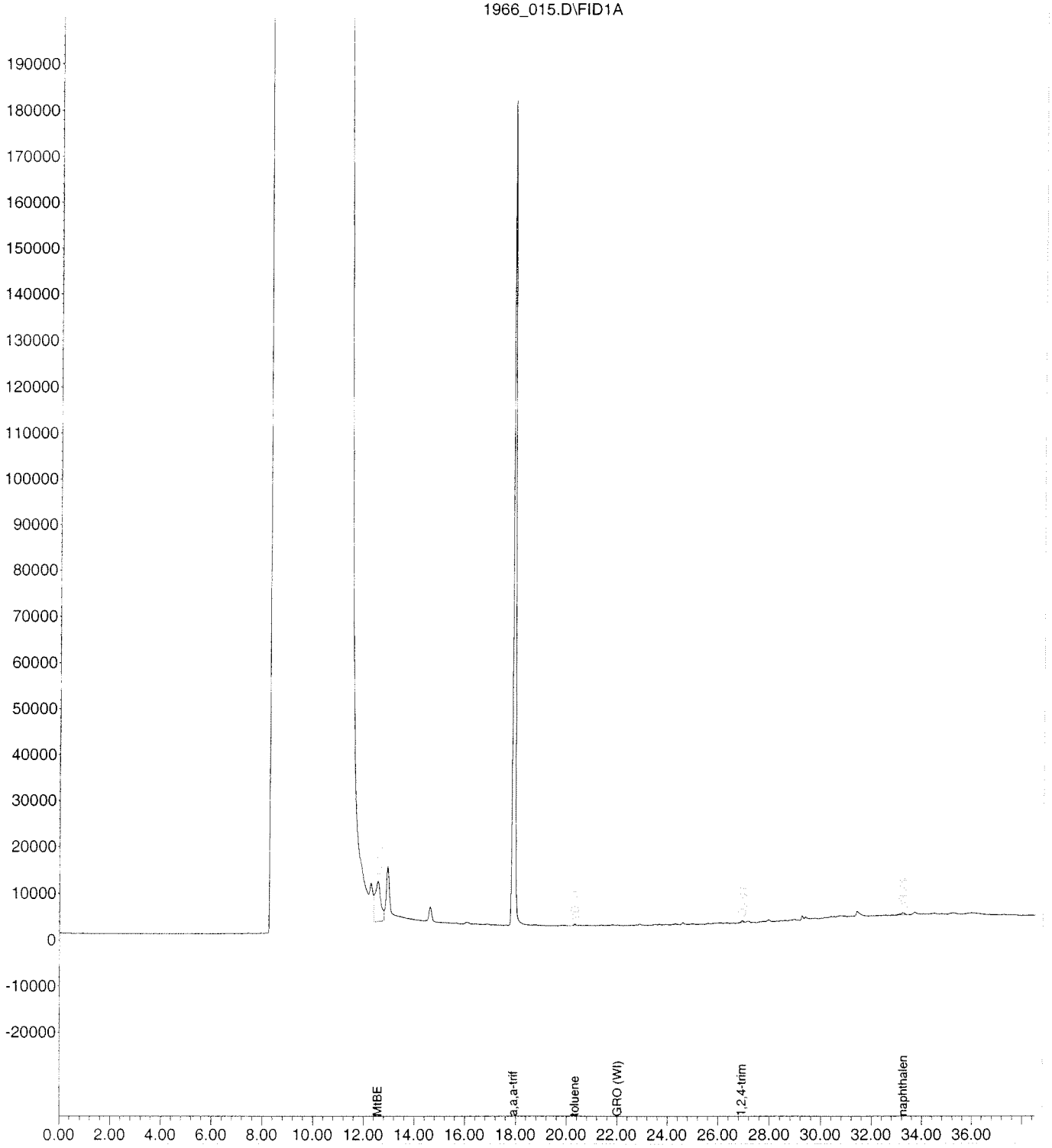
Data File : N:\1\DATA\1966\1966_015.D
Acq On : 9 May 2007 2:25
Sample : A768802 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 15
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_015.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_016.D
Acq On : 9 May 2007 3:11
Sample : A768803 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 16
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.81	10238405	0.207 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 82.80%
	Target Compounds			
2) H	GRO (WI)	22.00	5328805	0.061 mg/L
3) M	MtBE	12.48	1622602	0.027 mg/L
4) M	benzene	16.78	44798	0.000 mg/L
5) M	toluene	20.42	51372	0.001 mg/L
6) M	ethylbenzene	23.43	56829	0.001 mg/L
7) M	m/p-xylene	23.58	109258	0.001 mg/L
8) M	o-xylene	24.49	64661	0.001 mg/L
9) M	1,3,5-trimethylbenzene	26.25	57547	0.001 mg/L
10) M	1,2,4-trimethylbenzene	27.09	67400	0.001 mg/L
11) M	naphthalene	33.13	80949	0.002 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

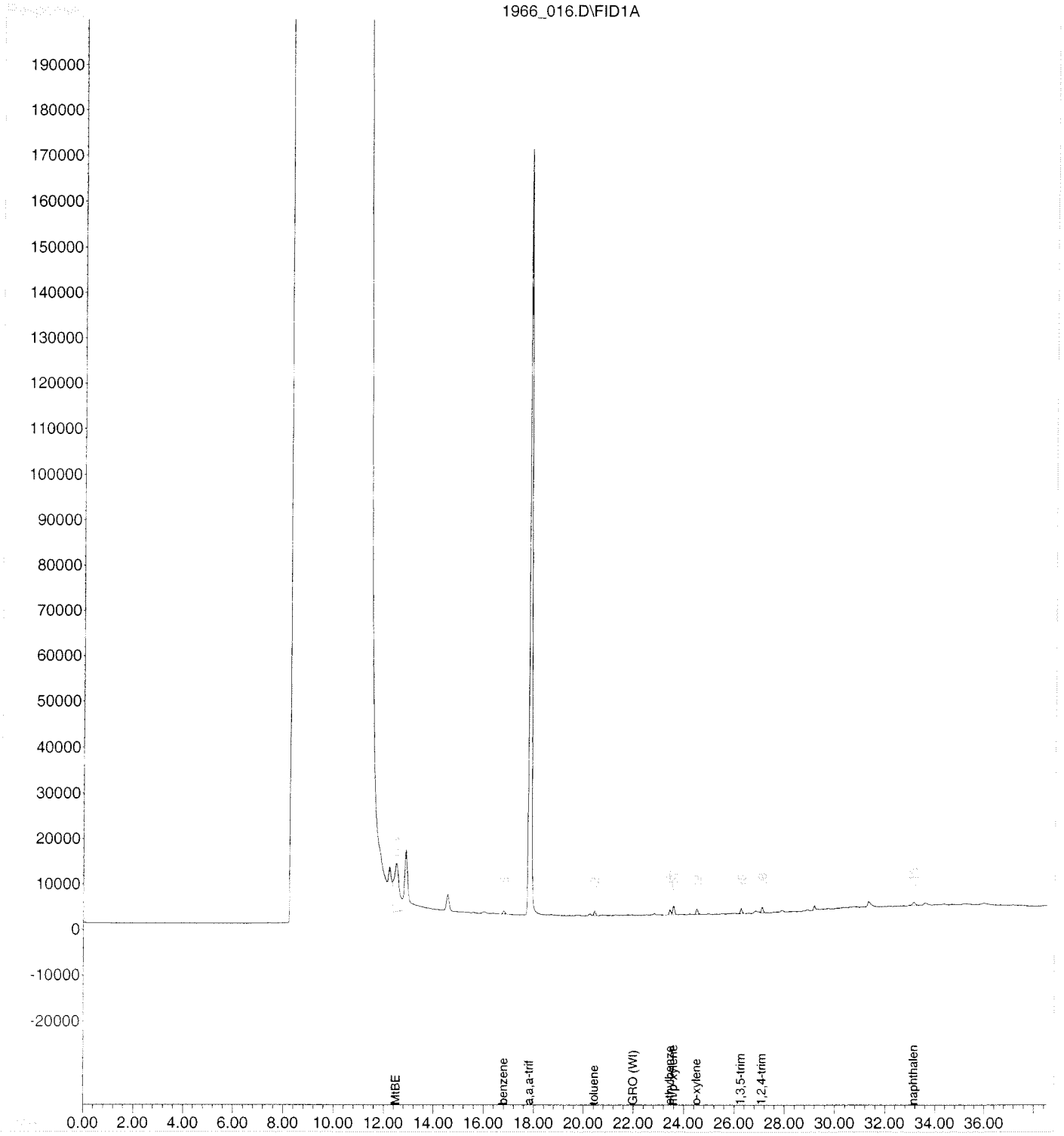
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_016.D
Acq On : 9 May 2007 3:11
Sample : A768803 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 16
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_017.D
Acq On : 9 May 2007 3:57
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 17
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount 0.250 Range 70 - 130 Recovery = 0.00%#				
Target Compounds				
2) H GRO (WI)	0.00	0	N.D.	mg/L
3) M MtBE	0.00	0	N.D.	mg/L
4) M benzene	0.00	0	N.D.	mg/L
5) M toluene	0.00	0	N.D.	mg/L
6) M ethylbenzene	0.00	0	N.D.	mg/L
7) M m/p-xylene	0.00	0	N.D.	mg/L
8) M o-xylene	0.00	0	N.D.	mg/L
9) M 1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10) M 1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11) M naphthalene	0.00	0	N.D.	mg/L

Quantitation Report (Not Reviewed)

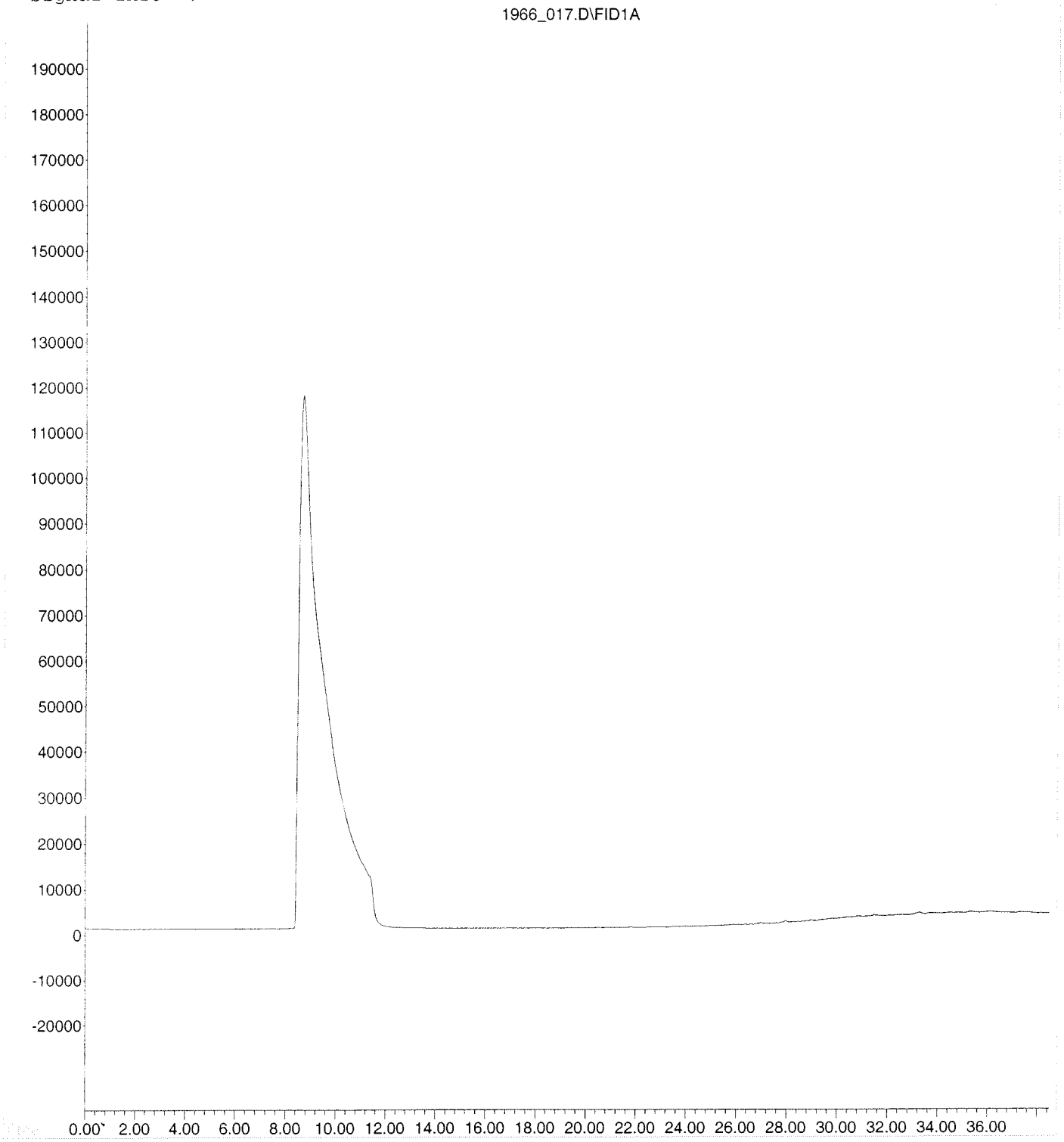
Data File : N:\1\DATA\1966\1966_017.D
Acq On : 9 May 2007 3:57
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 17
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_017.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_018.D
Acq On : 9 May 2007 4:43
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	17.98f	7918064	0.156 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	62.40%#
Target Compounds			
2) H GRO (WI)	22.00	190958496	2.192 mg/L
3) M MtBE	12.40	34400	0.001 mg/L
4) M benzene	16.95f	21692487	0.218 mg/L
5) M toluene	20.59f	20975895	0.217 mg/L
6) M ethylbenzene	0.00	0	N.D. mg/L
7) M m/p-xylene	23.61	19190717	0.102 mg/L
8) M o-xylene	24.67f	22072372	0.226 mg/L
9) M 1,3,5-trimethylbenzene	26.44f	18869586	0.226 mg/L
10) M 1,2,4-trimethylbenzene	27.00f	159422	0.002 mg/L
11) M naphthalene	0.00	0	N.D. mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

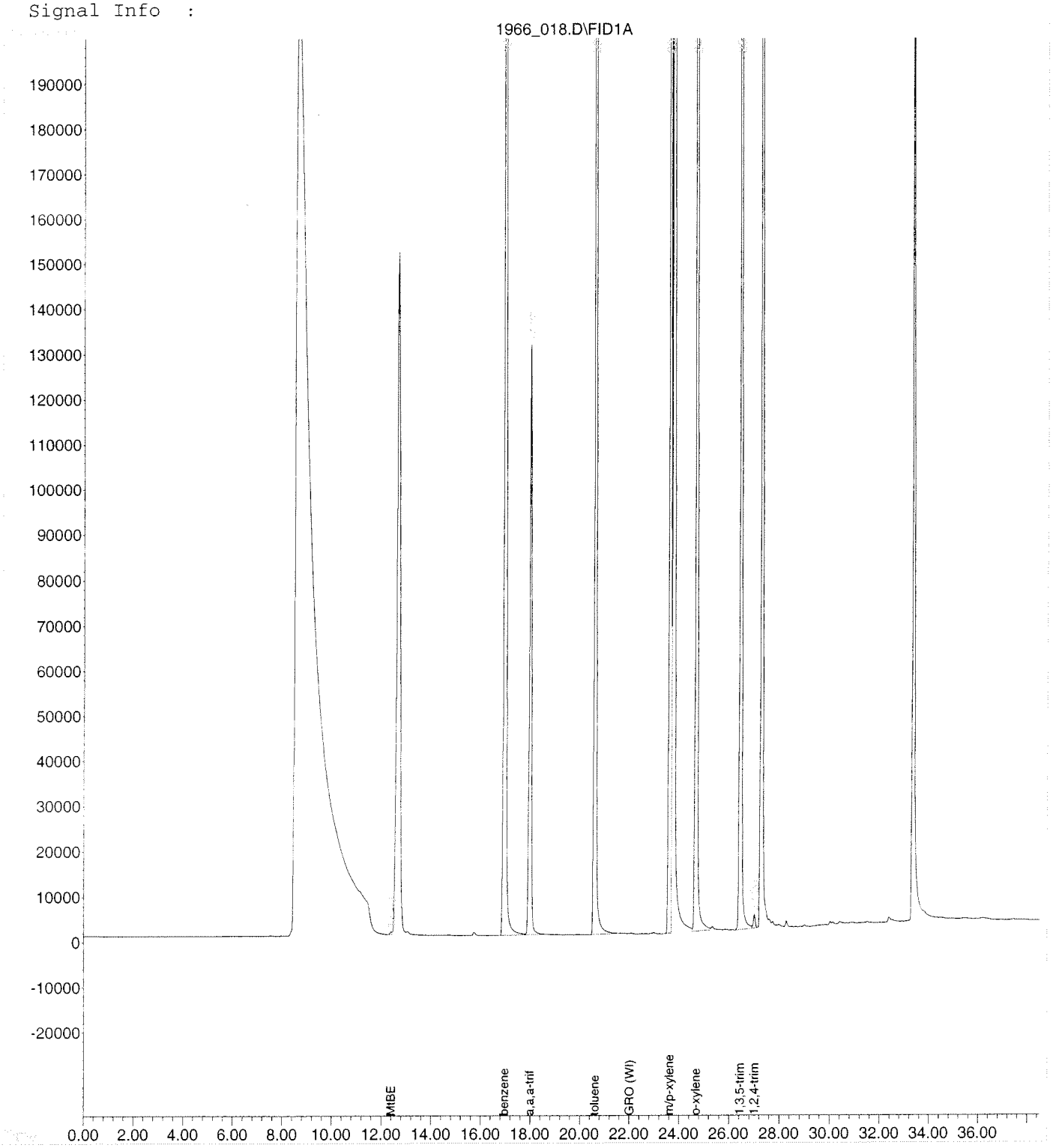
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_018.D
Acq On : 9 May 2007 4:43
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 9 16:26 2007 Quant Results File: GROW.RES

Vial: 18
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_019.D
Acq On : 9 May 2007 17:21
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 19
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount	0.250 Range 70 - 130	Recovery =	0.00%#		
	Target Compounds				
2) H	GRO (WI)	22.00	253711	0.003	mg/L
3) M	MtBE	0.00	0	N.D.	mg/L
4) M	benzene	0.00	0	N.D.	mg/L
5) M	toluene	0.00	0	N.D.	mg/L
6) M	ethylbenzene	0.00	0	N.D.	mg/L
7) M	m/p-xylene	0.00	0	N.D.	mg/L
8) M	o-xylene	0.00	0	N.D.	mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11) M	naphthalene	0.00	0	N.D.	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

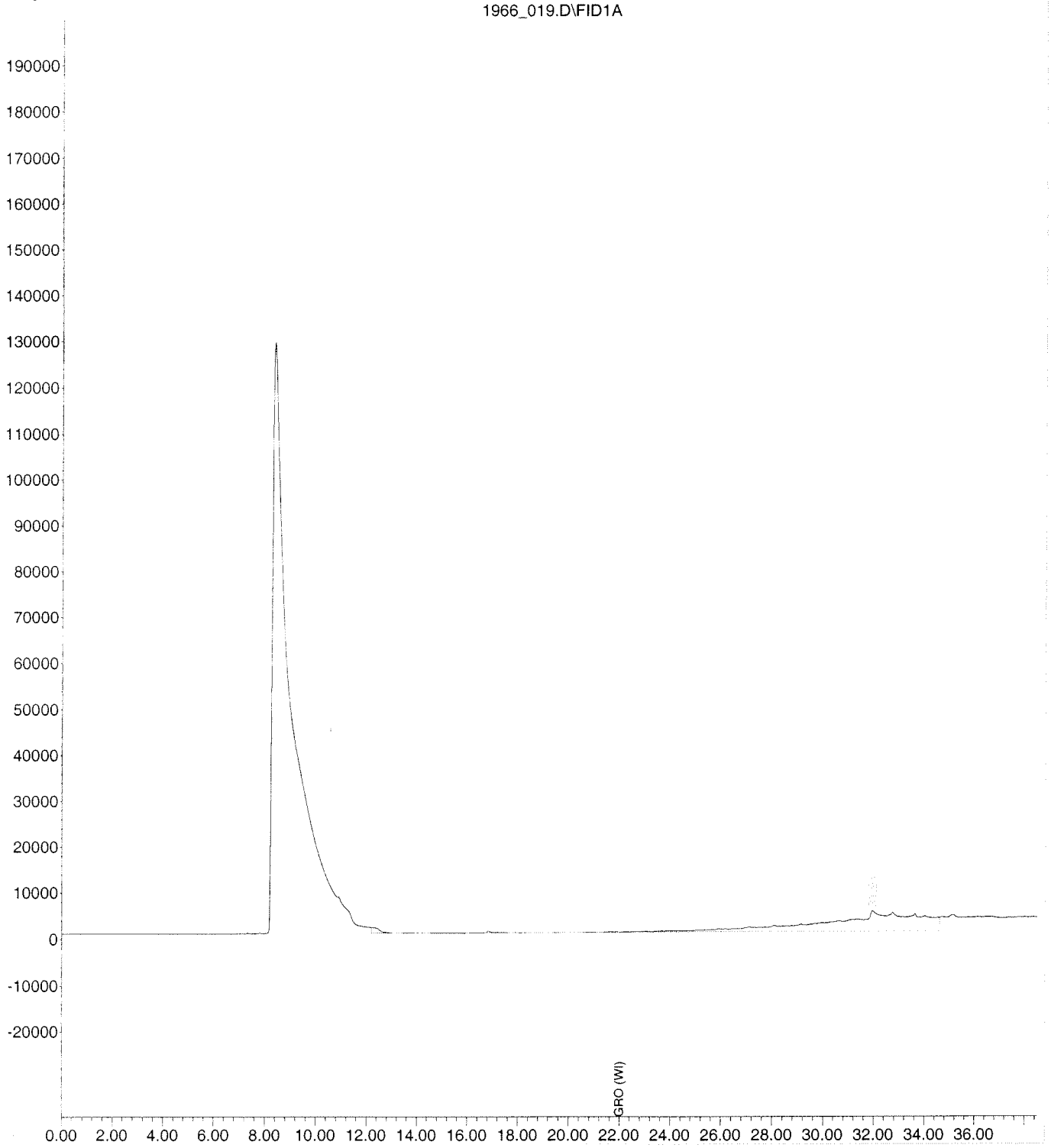
Data File : N:\1\DATA\1966\1966_019.D
Acq On : 9 May 2007 17:21
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 19
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_019.D\FID1A



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_020.D
Acq On : 9 May 2007 18:08
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 20
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.83	12385148	0.253 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 101.20%
	Target Compounds			
2) H	GRO (WI)	22.00	209405918	2.404 mg/L
3) M	MtBE	12.58	14906555	0.244 mg/L
4) M	benzene	16.81	23824294	0.240 mg/L
5) M	toluene	20.41	22994717	0.238 mg/L
6) M	ethylbenzene	23.41	21327987	0.255 mg/L
7) M	m/p-xylene	23.55	45206397	0.239 mg/L
8) M	o-xylene	24.46	23319861	0.238 mg/L
9) M	1,3,5-trimethylbenzene	26.22	21139484	0.253 mg/L
10) M	1,2,4-trimethylbenzene	27.05	21400330	0.251 mg/L
11) M	naphthalene	33.07	14409000	0.297 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

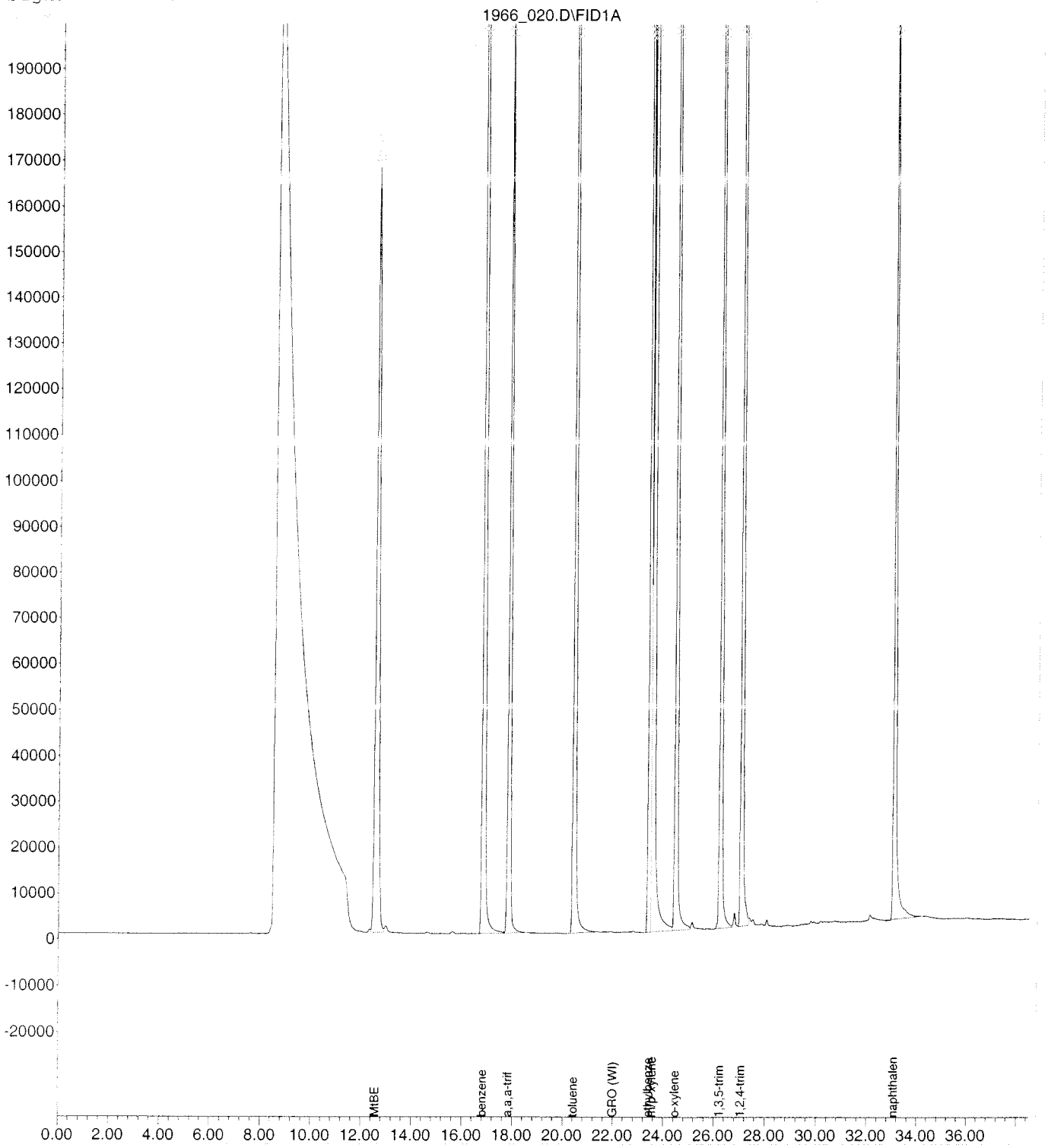
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_020.D
Acq On : 9 May 2007 18:08
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 20
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_021.D
Acq On : 9 May 2007 18:55
Sample : A768804 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 21
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	a,a,a-trifluorotoluene	17.68f	9439668	0.189	mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	75.60%	
Target Compounds						
2)	H	GRO (WI)	22.00	7626176	0.088	mg/L
3)	M	MtBE	12.35f	2916683	0.048	mg/L
4)	M	benzene	0.00	0	N.D.	mg/L
5)	M	toluene	0.00	0	N.D.	mg/L
6)	M	ethylbenzene	23.45	53616	0.001	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	24.38f	37419	0.000	mg/L
9)	M	1,3,5-trimethylbenzene	26.14f	28700	0.000	mg/L
10)	M	1,2,4-trimethylbenzene	26.96f	122301	0.001	mg/L
11)	M	naphthalene	32.97f	566817	0.012	mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

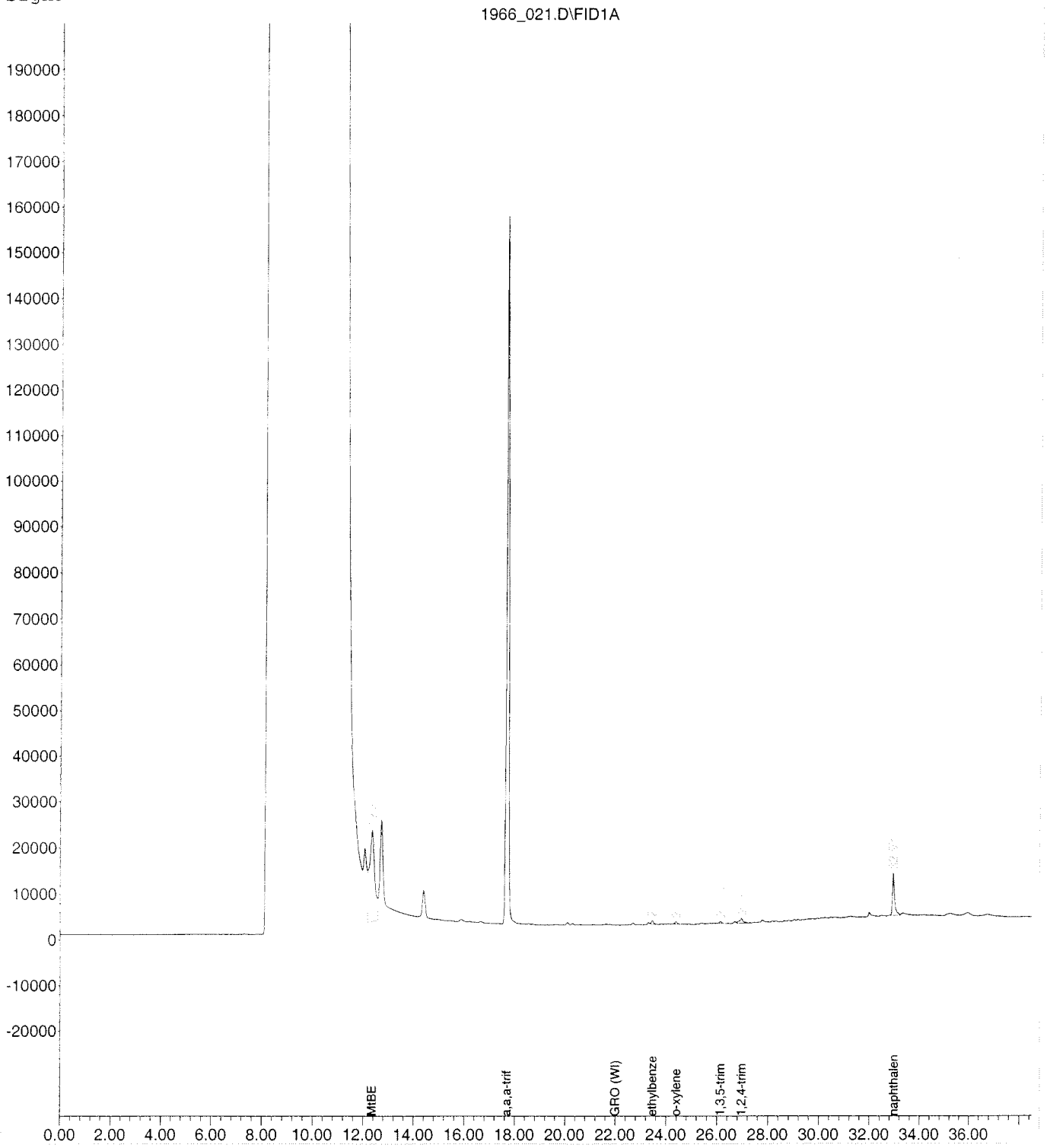
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_021.D
Acq On : 9 May 2007 18:55
Sample : A768804 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 21
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_022.D
Acq On : 9 May 2007 19:42
Sample : A768805 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 22
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc Units
System Monitoring Compounds					
1)	S	a,a,a-trifluorotoluene	17.62f	10010990	0.202 mg/L
Spiked Amount		0.250 Range	70 - 130	Recovery =	80.80%
Target Compounds					
2)	H	GRO (WI)	22.00	1654883	0.019 mg/L
3)	M	MtBE	12.65f	833765	0.014 mg/L
4)	M	benzene	0.00	0	N.D. mg/L
5)	M	toluene	20.23f	38782	0.000 mg/L
6)	M	ethylbenzene	23.39f	102336	0.001 mg/L
7)	M	m/p-xylene	0.00	0	N.D. mg/L
8)	M	o-xylene	24.31f	48055	0.000 mg/L
9)	M	1,3,5-trimethylbenzene	26.07f	57510	0.001 mg/L
10)	M	1,2,4-trimethylbenzene	26.90f	81573	0.001 mg/L
11)	M	naphthalene	0.00	0	N.D. mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

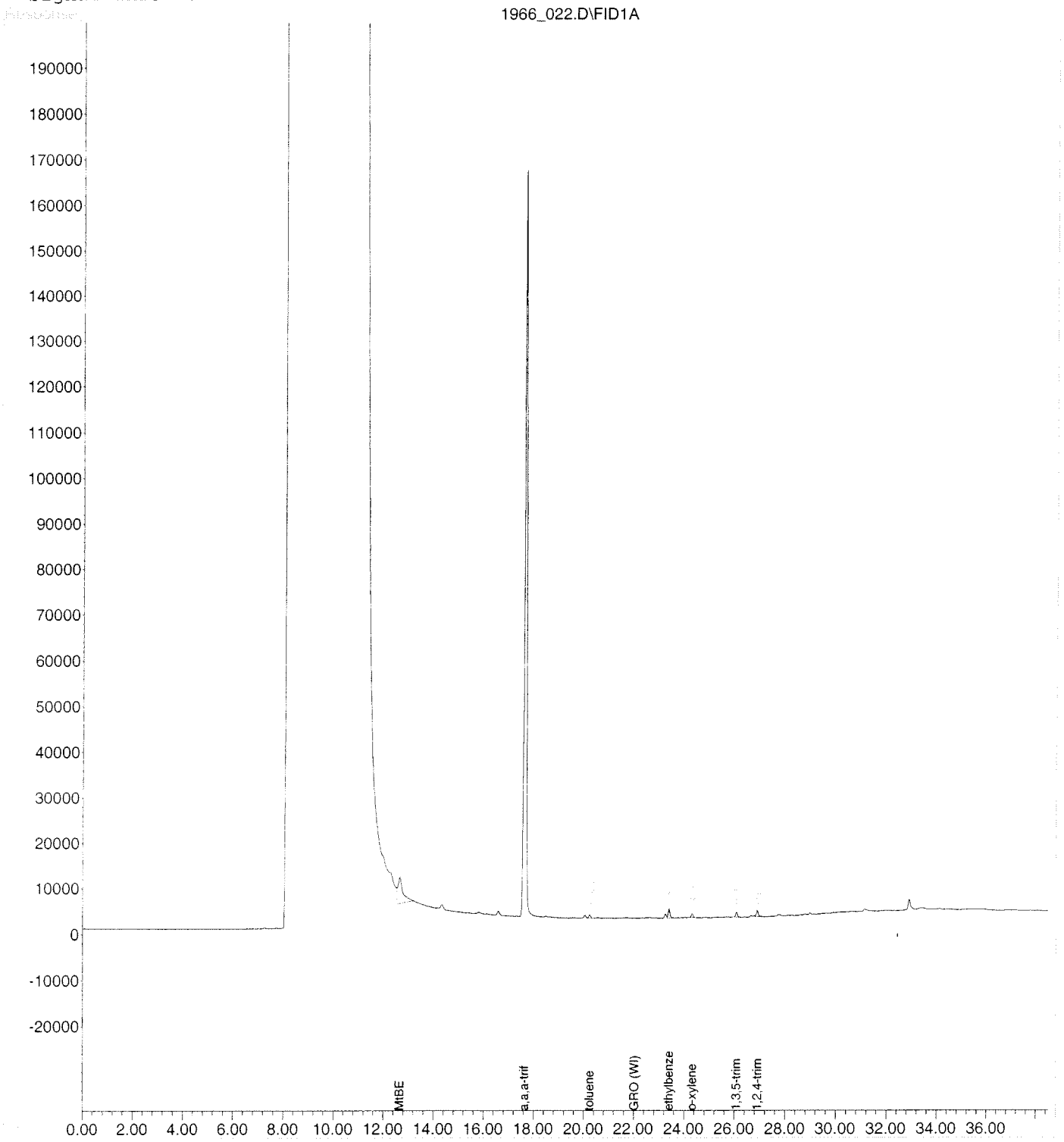
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_022.D
Acq On : 9 May 2007 19:42
Sample : A768805 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 22
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_023.D
Acq On : 9 May 2007 20:28
Sample : A768807 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 23
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	a,a,a-trifluorotoluene	0.00	0	N.D.	mg/L
Spiked Amount		0.250	Range 70 - 130	Recovery	=	0.00%#
		Target Compounds				
2)	H	GRO (WI)	22.00	12276235	0.141	mg/L
3)	M	MtBE	12.64f	1055277	0.017	mg/L
4)	M	benzene	0.00	0	N.D.	mg/L
5)	M	toluene	0.00	0	N.D.	mg/L
6)	M	ethylbenzene	0.00	0	N.D.	mg/L
7)	M	m/p-xylene	0.00	0	N.D.	mg/L
8)	M	o-xylene	0.00	0	N.D.	mg/L
9)	M	1,3,5-trimethylbenzene	0.00	0	N.D.	mg/L
10)	M	1,2,4-trimethylbenzene	0.00	0	N.D.	mg/L
11)	M	naphthalene	0.00	0	N.D.	mg/L

BEFORE

(f)=RT Delta > 1/2 Window (m)=manual int.

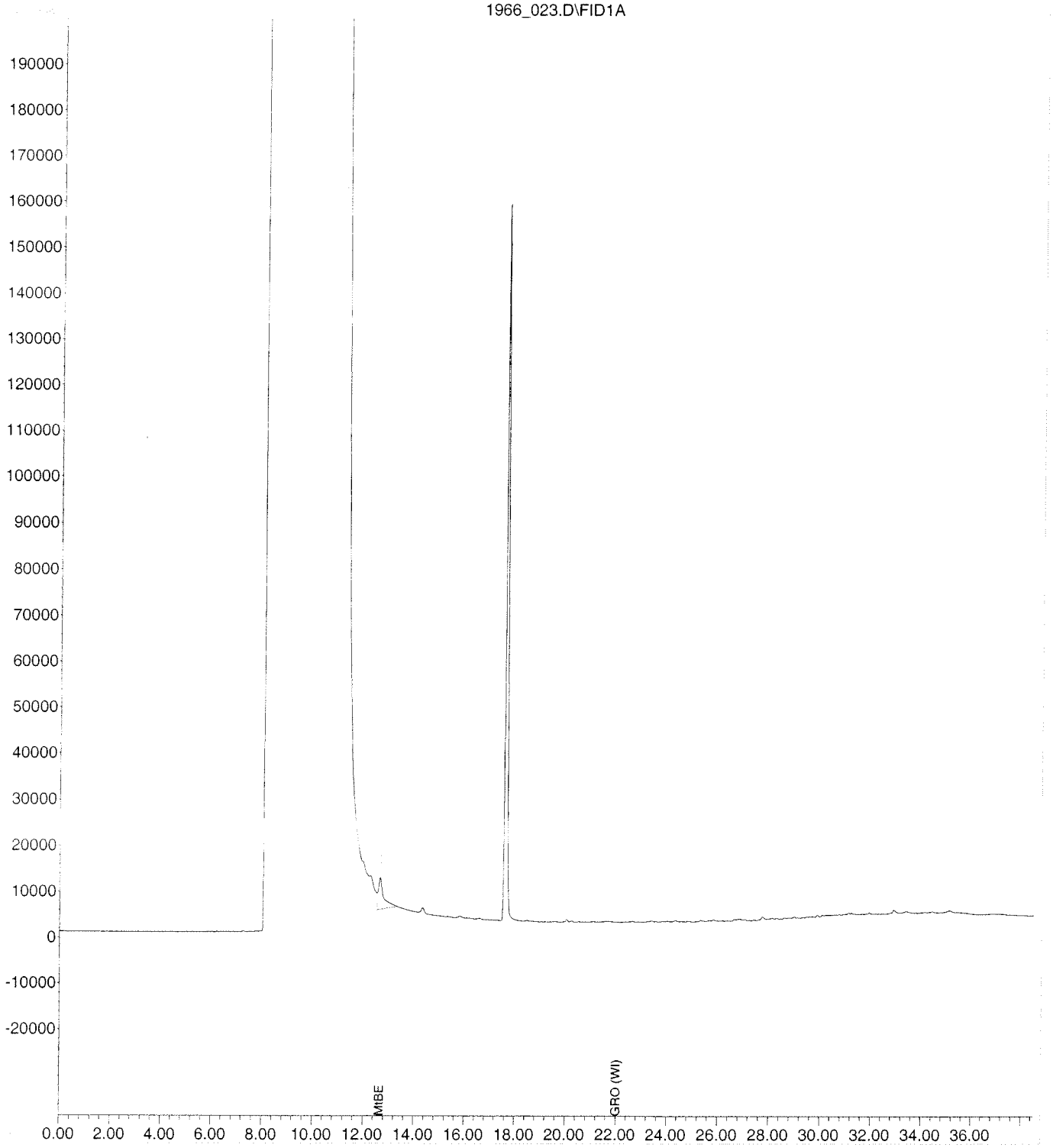
Data File : N:\1\DATA\1966\1966_023.D
Acq On : 9 May 2007 20:28
Sample : A768807 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 23
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

1966_023.D\FID1A



Quantitation Report (QT Reviewed)

Data File : N:\1\DATA\1966\1966_023.D
Acq On : 9 May 2007 20:28
Sample : A768807 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 11:04 2007 Quant Results File: GROW.RES

Vial: 23
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.62f	9544450	0.192 mg/L m
Spiked Amount	0.250	Range	70 - 130	Recovery = 76.80%
	Target Compounds			
2) H	GRO (WI)	22.00	2731786	0.031 mg/L
3) M	MtBE	12.64f	1055277	0.017 mg/L
4) M	benzene	0.00	0	N.D. mg/L
5) M	toluene	0.00	0	N.D. mg/L
6) M	ethylbenzene	0.00	0	N.D. mg/L
7) M	m/p-xylene	0.00	0	N.D. mg/L
8) M	o-xylene	0.00	0	N.D. mg/L
9) M	1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M	1,2,4-trimethylbenzene	0.00	0	N.D. mg/L
11) M	naphthalene	0.00	0	N.D. mg/L

AFTER

(f)=RT Delta > 1/2 Window (m)=manual int.

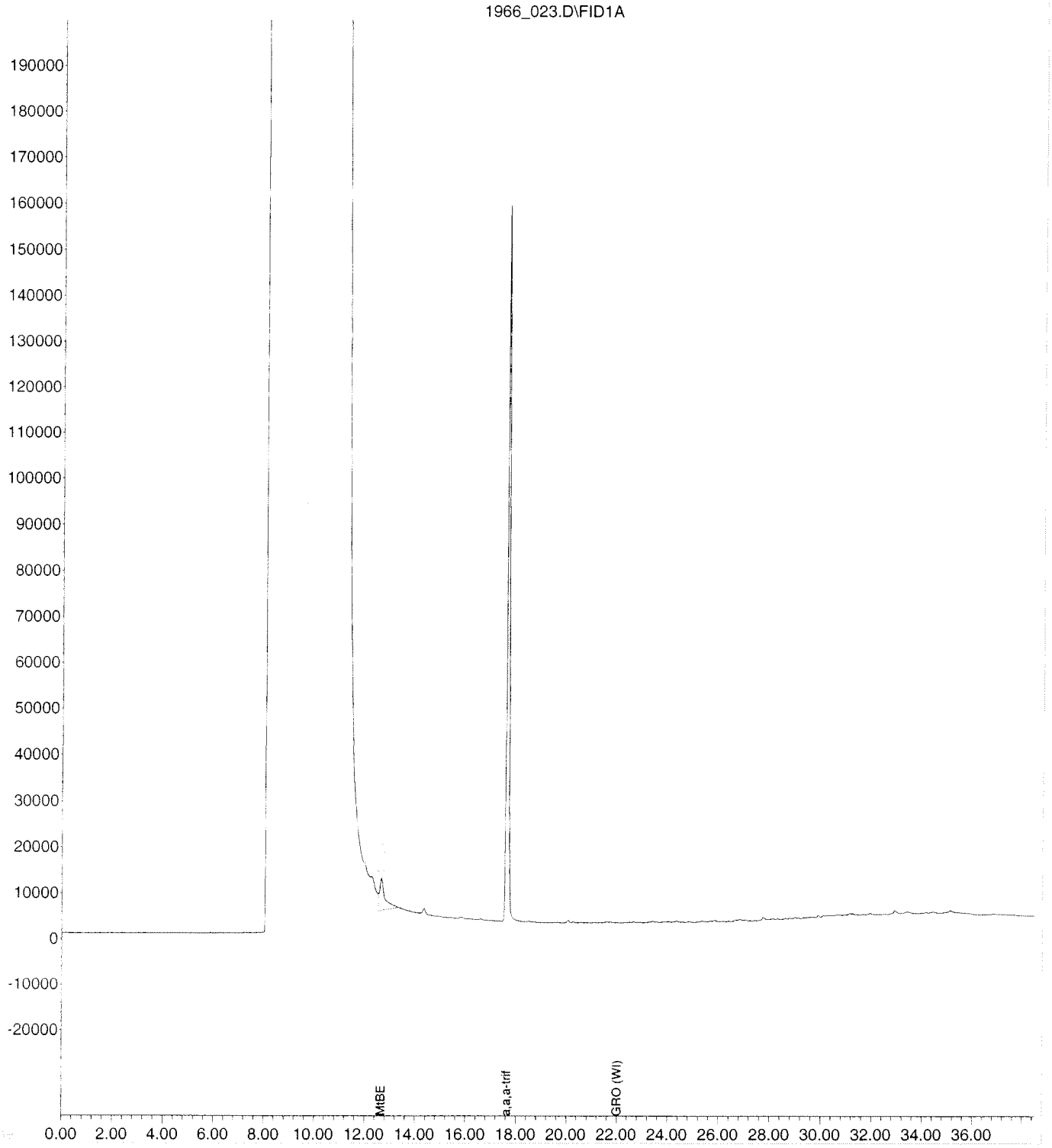
Quantitation Report (QT Reviewed)

Data File : N:\1\DATA\1966\1966_023.D
Acq On : 9 May 2007 20:28
Sample : A768807 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 11:04 2007 Quant Results File: GROW.RES

Vial: 23
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_024.D
Acq On : 9 May 2007 21:15
Sample : A768808 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 24
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	17.67f	8031156	0.159 mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	63.60%#
Target Compounds			
2) H GRO (WI)	22.00	18861152	0.217 mg/L
3) M MtBE	12.34f	10594261	0.174 mg/L
4) M benzene	0.00	0	N.D. mg/L
5) M toluene	20.28f	31092	0.000 mg/L
6) M ethylbenzene	23.44	84572	0.001 mg/L
7) M m/p-xylene	0.00	0	N.D. mg/L
8) M o-xylene	24.36f	40941	0.000 mg/L
9) M 1,3,5-trimethylbenzene	26.12f	42359	0.001 mg/L
10) M 1,2,4-trimethylbenzene	26.95f	77920	0.001 mg/L
11) M naphthalene	32.97f	101374	0.002 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

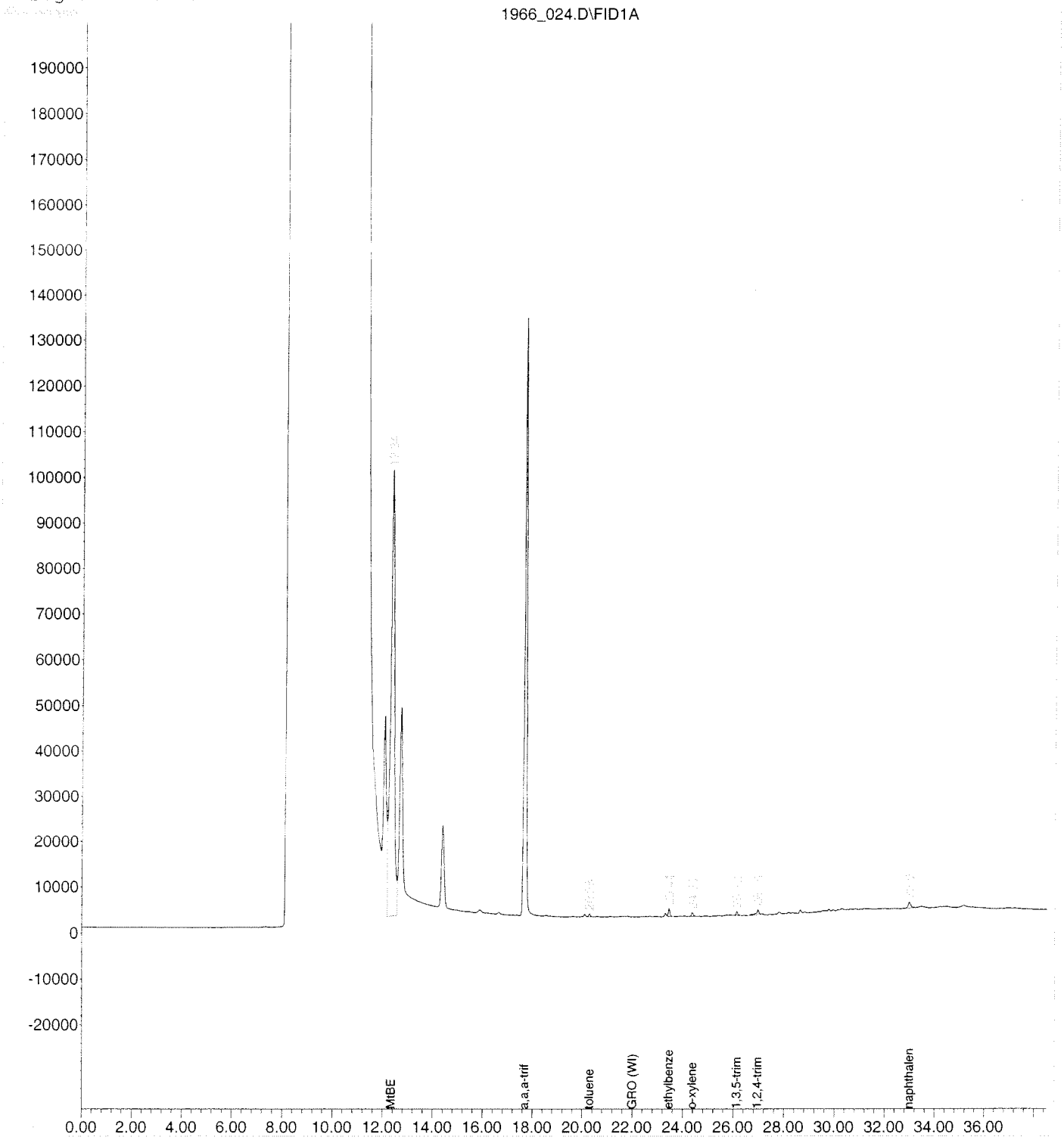
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_024.D
Acq On : 9 May 2007 21:15
Sample : A768808 FS1192
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:24 2007 Quant Results File: GROW.RES

Vial: 24
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_033.D
Acq On : 10 May 2007 4:16
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:25 2007 Quant Results File: GROW.RES

Vial: 33
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S a,a,a-trifluorotoluene	17.79	62519	N.D. mg/L
Spiked Amount 0.250 Range 70 - 130		Recovery =	0.00%#
Target Compounds			
2) H GRO (WI)	22.00	493297	0.006 mg/L
3) M MtBE	0.00	0	N.D. mg/L
4) M benzene	0.00	0	N.D. mg/L
5) M toluene	0.00	0	N.D. mg/L
6) M ethylbenzene	0.00	0	N.D. mg/L
7) M m/p-xylene	0.00	0	N.D. mg/L
8) M o-xylene	0.00	0	N.D. mg/L
9) M 1,3,5-trimethylbenzene	0.00	0	N.D. mg/L
10) M 1,2,4-trimethylbenzene	0.00	0	N.D. mg/L
11) M naphthalene	33.10	54096	0.001 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

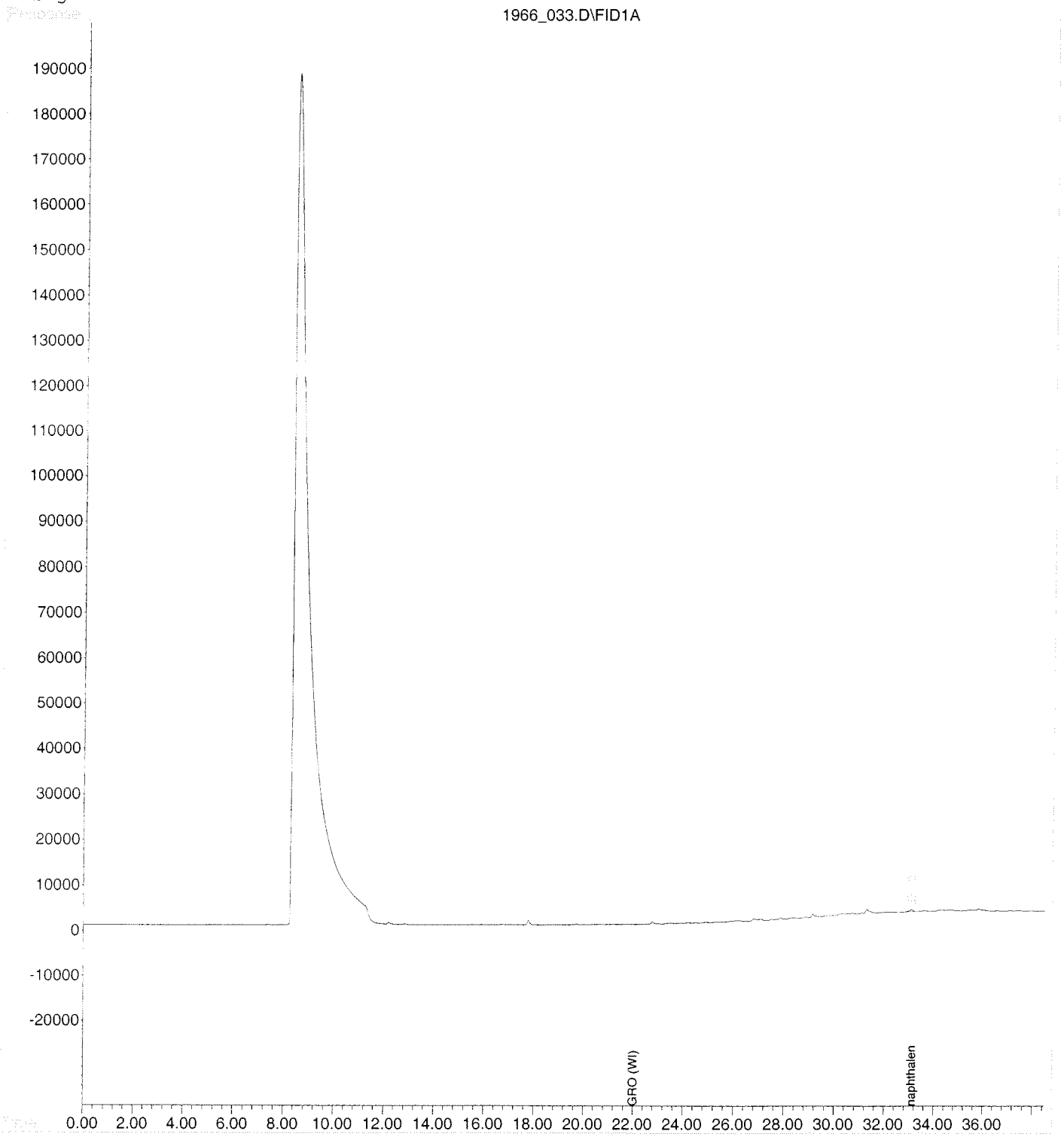
Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_033.D
Acq On : 10 May 2007 4:16
Sample : bla
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:25 2007 Quant Results File: GROW.RES

Vial: 33
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_034.D
Acq On : 10 May 2007 5:02
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:25 2007 Quant Results File: GROW.RES

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Initial Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :

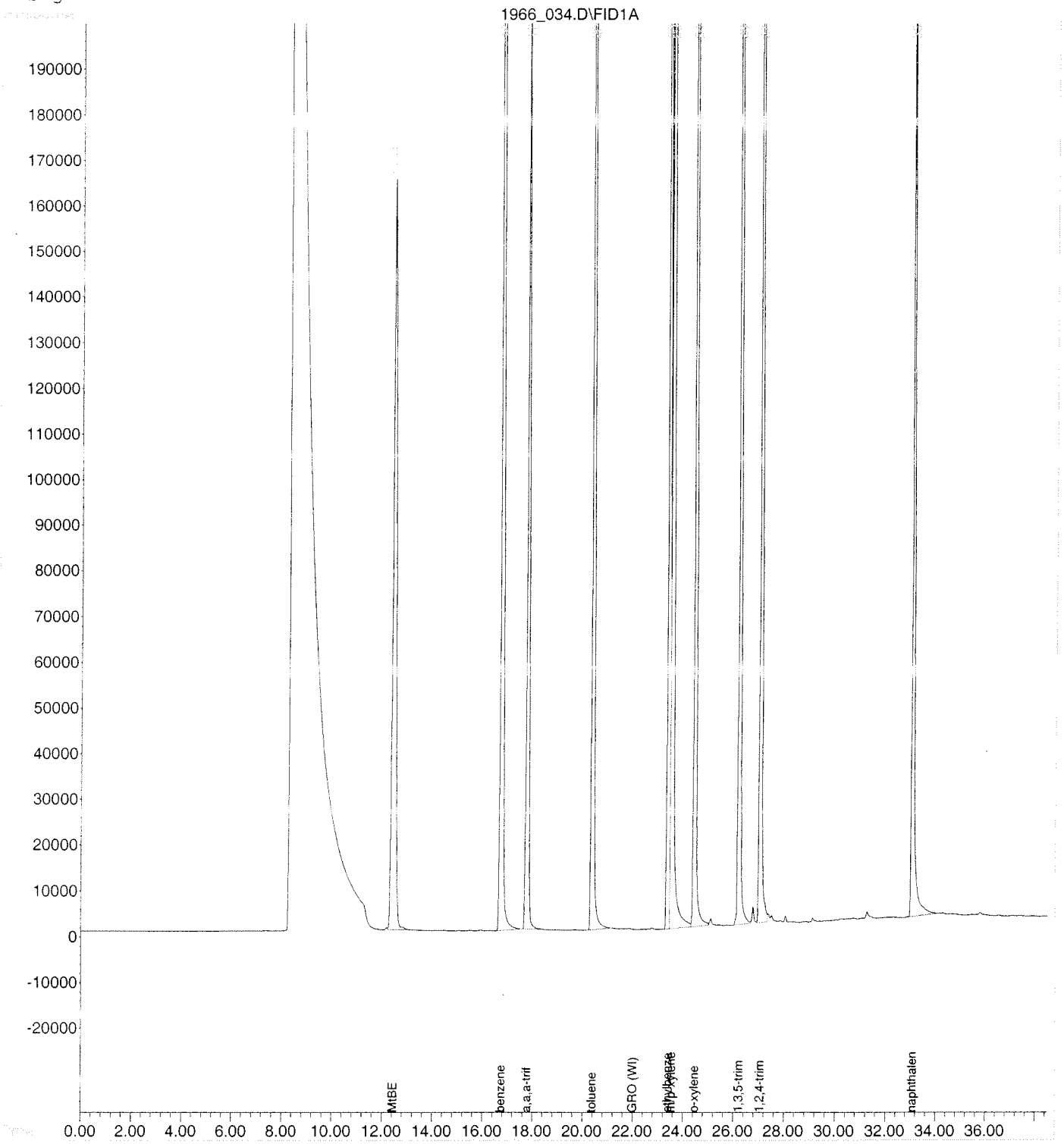
	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	a,a,a-trifluorotoluene	17.76	12085508	0.247 mg/L
Spiked Amount	0.250	Range	70 - 130	Recovery = 98.80%
	Target Compounds			
2) H	GRO (WI)	22.00	216451608	2.485 mg/L
3) M	MtBE	12.43	14893104	0.244 mg/L
4) M	benzene	16.73	24932876	0.251 mg/L
5) M	toluene	20.37	23970063	0.248 mg/L
6) M	ethylbenzene	23.38f	22331316	0.267 mg/L
7) M	m/p-xylene	23.53f	47254429	0.250 mg/L
8) M	o-xylene	24.44	24297200	0.248 mg/L
9) M	1,3,5-trimethylbenzene	26.21	22345586	0.268 mg/L
10) M	1,2,4-trimethylbenzene	27.04	22454197	0.263 mg/L
11) M	naphthalene	33.07	13331326	0.275 mg/L

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : N:\1\DATA\1966\1966_034.D
Acq On : 10 May 2007 5:02
Sample : GRO L-4
Misc :
IntFile : EVENTS.E
Quant Time: May 10 8:25 2007 Quant Results File: GROW.RES

Vial: 34
Operator: HP Demo
Inst : HP5890
Multiplr: 1.00

Quant Method : N:\1\METHODS\GROW.M (Chemstation Integrator)
Title : GRO
Last Update : Mon May 07 11:16:53 2007
Response via : Multiple Level Calibration
DataAcq Meth : GROA.M

Volume Inj. :
Signal Phase :
Signal Info :