

Method 8015B – DRO DOD

Diesel Range Organics (DRO) (GC) by
Method 8015B DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): _____ ID: _____

Client Sample ID	Lab Sample ID	C91 #
079-0007-0001-SOUR CEWATER	240-21987-1	52
	MB 240-78624/21-A	63
	LCS 240-78624/22-A	56

C9 = n-Nonane

QC LIMITS
10-110

Column to be used to flag recovery values

FORM II 8015B_DRO/DOD

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): _____ ID: _____

Client Sample ID	Lab Sample ID	C91 #
	MRL 240-78992/4	102
	MRL 240-78992/9	109
	MRL 240-79092/5	106
	MRL 240-79092/14	111 Q

C9 = n-Nonane

QC LIMITS
70-130

Column to be used to flag recovery values

FORM II 8015B_DRO/DOD

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P5B22012.D
Lab ID: LCS 240-78624/22-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diesel	2500	1930	77	36-124	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P5B21004.D
Lab ID: MRL 240-78992/4 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	91.4 J	91	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P5B21009.D
Lab ID: MRL 240-78992/9 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	98.8 J	99	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P5B22005.D
Lab ID: MRL 240-79092/5 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	98.1 J	98	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA METHOD REPORTING LIMIT CHECK RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P5B22014.D
Lab ID: MRL 240-79092/14 Client ID: _____

COMPOUND	SPIKE ADDED (ng/uL)	MRL CONCENTRATION (ng/uL)	MRL % REC	QC LIMITS REC	#
Diesel	100	102	102	70-130	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: MB 240-78624/21-A
Matrix: Water Date Extracted: 03/18/2013 10:31
Lab File ID: (1) P5B22011.D Lab File ID: (2) _____
Date Analyzed: (1) 03/22/2013 11:17 Date Analyzed: (2) _____
Instrument ID: (1) A2HP5R Instrument ID: (2) _____
GC Column: (1) _____ ID: _____ GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
079-0007-0001-SOURCEWATER	240-21987-1	03/21/2013 17:45	
	LCS 240-78624/22-A	03/22/2013 11:47	

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Sample No.: CCV 240-78992/5 Date Analyzed: 03/21/2013 17:16
 Instrument ID: A2HP5R GC Column: _____ ID: ()
 Lab File ID (Standard): P5B21005.D Heated Purge: (Y/N) N
 Calibration ID: 14111

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				C9		
				RT #		
CONTINUING CALIBRATION SURROGATE				3.71		
UPPER LIMIT				3.81		
LOWER LIMIT				3.61		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-78992/5 CCVRT		03/21/2013 17:16	P5B21005.D	3.71		
240-21987-1	079-0007-0001-SOURCEW ATER	03/21/2013 17:45	P5B21006.D	3.71		
CCV 240-78992/8		03/21/2013 18:45	P5B21008.D	3.71		

C9 = n-Nonane

C9 RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8015B_DRO/DOD

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: 079-0007-0001-SOURCEWATER Lab Sample ID: 240-21987-1
Matrix: Water Lab File ID: P5B21006.D
Analysis Method: 8015B_DRO/DOD Date Collected: 03/14/2013 12:00
Extraction Method: 3520C Date Extracted: 03/18/2013 10:31
Sample wt/vol: 1030 (mL) Date Analyzed: 03/21/2013 17:45
Con. Extract Vol.: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78992 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	230	U	490	230	230
STL00272	C20-C34	230	U	490	230	230

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	52		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21006.D
Lims ID: 240-21987-O-1-A Client ID: 079-0007-0001-SOURCEWATER
Inject. Date: 21-Mar-2013 17:45:54 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 240-0018143-006
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 78992 Lims Sample ID: 6
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\TPH5R.m
Last Update: 22-Mar-2013 09:42:48 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.713 3.713 0.000 10377623 51.7

A 12 C10-C20

4.853 - 9.972

A 15 Diesel

4.853 - 13.335

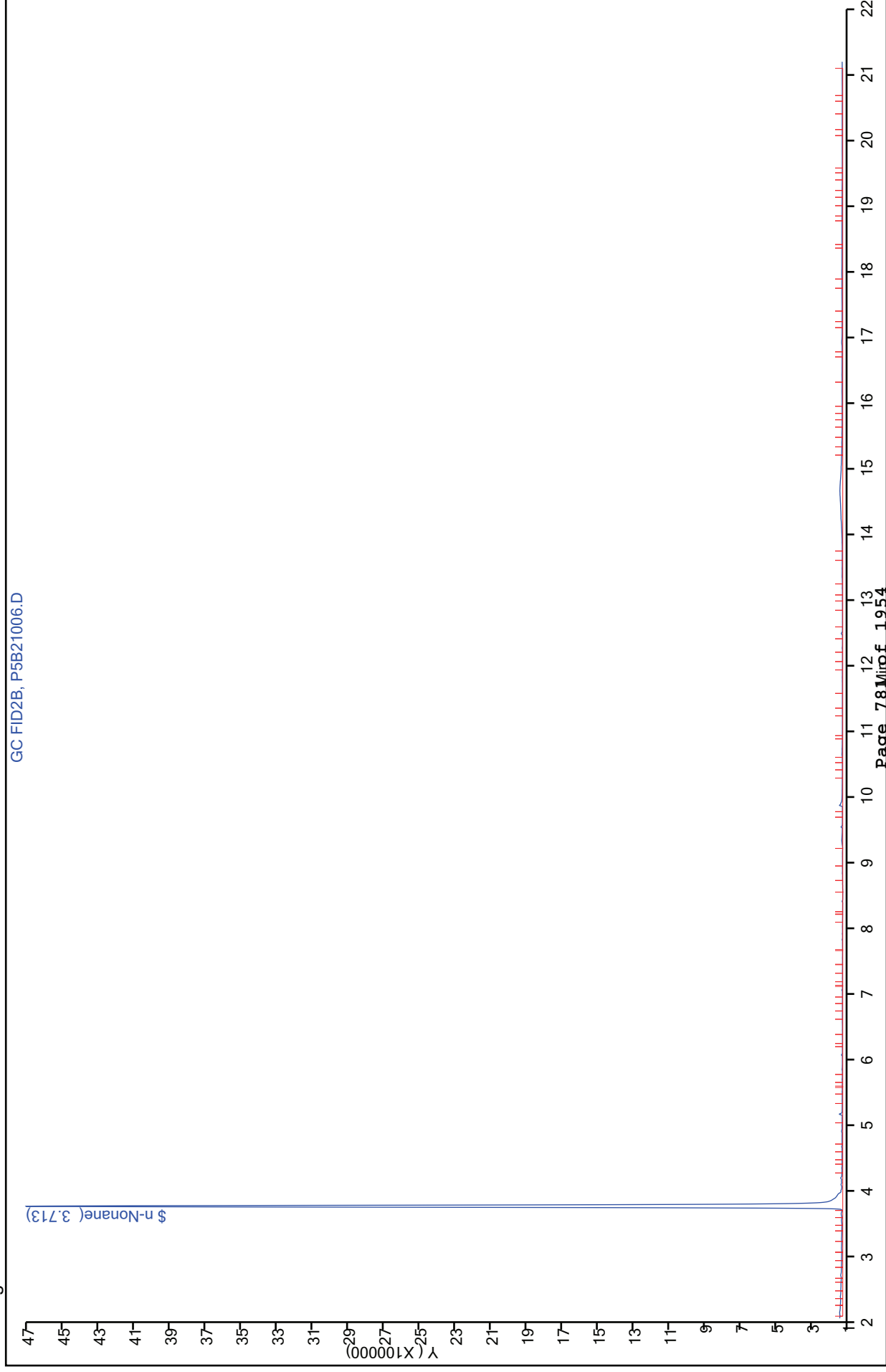
A 22 C20-C34

9.972 - 15.155

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21006.D
Injection Date: 21-Mar-2013 17:45:54 Limit Group: GC 8015C TPH ICAL
Client ID: 079-0007-0001-SOURCEWATER Instrument ID: A2HP5R
Lims Batch ID: 78992 Lims Sample ID: 6
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 77903

SDG No.: _____

Instrument ID: A2HP5R GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2013 16:19 Calibration End Date: 03/11/2013 18:22 Calibration ID: 14111

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-77903/4	P5B11004.D
Level 2	STD2 240-77903/5	P5B11005.D
Level 3	STD3 240-77903/6	P5B11006.D
Level 4	STD4 240-77903/7	P5B11007.D
Level 5	STD5 240-77903/8	P5B11008.D

ANALYTE		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5				RT WINDOW	AVG RT
Diesel Range Organics [C10 - C28]		9.097	9.097	9.097	9.097	9.097				4.858 - 13.335	9.097
n-Nonane		3.719	3.725	3.725	3.727	3.728				3.649 - 3.789	3.725

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 77903

SDG No.: _____

Instrument ID: A2HP5R GC Column: _____ ID: _____ Heated Purge: (Y/N) N
Calibration Start Date: 03/11/2013 16:19 Calibration End Date: 03/11/2013 18:22 Calibration ID: 14111

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-77903/4	P5B11004.D
Level 2	STD2 240-77903/5	P5B11005.D
Level 3	STD3 240-77903/6	P5B11006.D
Level 4	STD4 240-77903/7	P5B11007.D
Level 5	STD5 240-77903/8	P5B11008.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Diesel Range Organics [C10 - C28]	154517 193069	189436	191622	190865	Ave		183901.941				9.0		20.0			
n-Nonane	171256 208715	206452	209883	206826	Ave		200626.379				8.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-21987-1 Analy Batch No.: 77903

SDG No.: _____

Instrument ID: A2HP5R GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 03/11/2013 16:19 Calibration End Date: 03/11/2013 18:22 Calibration ID: 14111

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-77903/4	P5B11004.D
Level 2	STD2 240-77903/5	P5B11005.D
Level 3	STD3 240-77903/6	P5B11006.D
Level 4	STD4 240-77903/7	P5B11007.D
Level 5	STD5 240-77903/8	P5B11008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Diesel Range Organics [C10 - C28]	Ave	15451723	37887160	95811018	190865171	386138932	100	200	500	1000	2000
n-Nonane	Ave	1712562	4129035	10494139	20682585	41743063	10.0	20.0	50.0	100	200

Curve Type Legend:

Ave = Average

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11004.D
Lims ID: STD1 DIESEL Client ID:
Inject. Date: 11-Mar-2013 16:19:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: 240-0017906-004
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 54
Lims Batch ID: 77903 Lims Sample ID: 4
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m
Last Update: 12-Mar-2013 10:27:08 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.719 3.719 0.000 1712562 8.54

A 15 Diesel

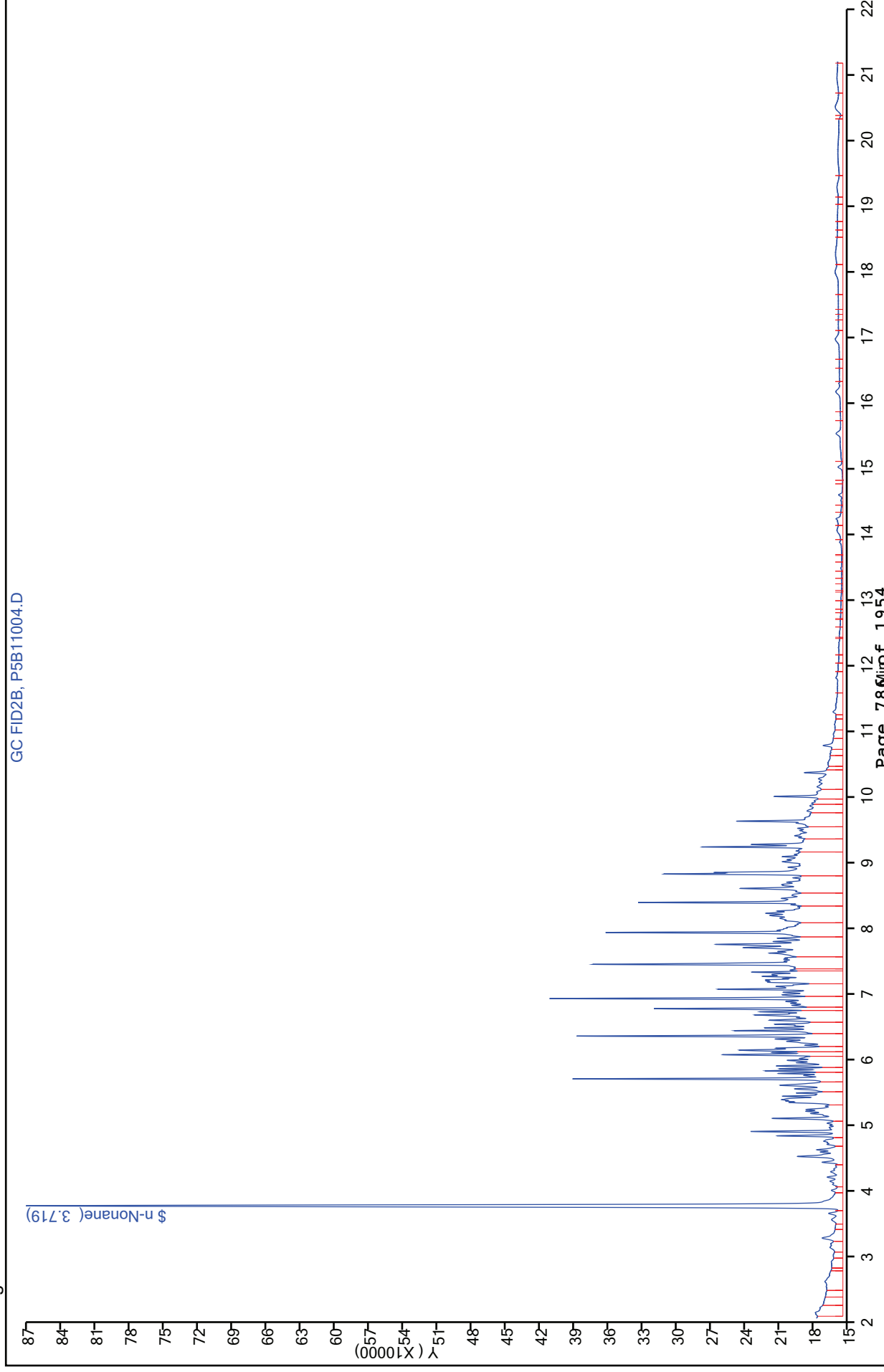
9.097 4.858 - 13.335 15451723 84.0

Report Date: 12-Mar-2013 10:27:08

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11004.D
Injection Date: 11-Mar-2013 16:19:09
Client ID:
Lims Batch ID: 77903
Operator ID: 4275
Column Type:
Y Scaling:
Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 4
Injection Vol: 1.0 ul
Column Dia:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11005.D
Lims ID: STD2 DIESEL Client ID:
Inject. Date: 11-Mar-2013 16:50:00 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: 240-0017906-005
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 55
Lims Batch ID: 77903 Lims Sample ID: 5
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m
Last Update: 12-Mar-2013 10:27:09 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.725 3.719 0.006 4129035 20.6

A 15 Diesel

9.097 4.858 - 13.335 37887160 206.0

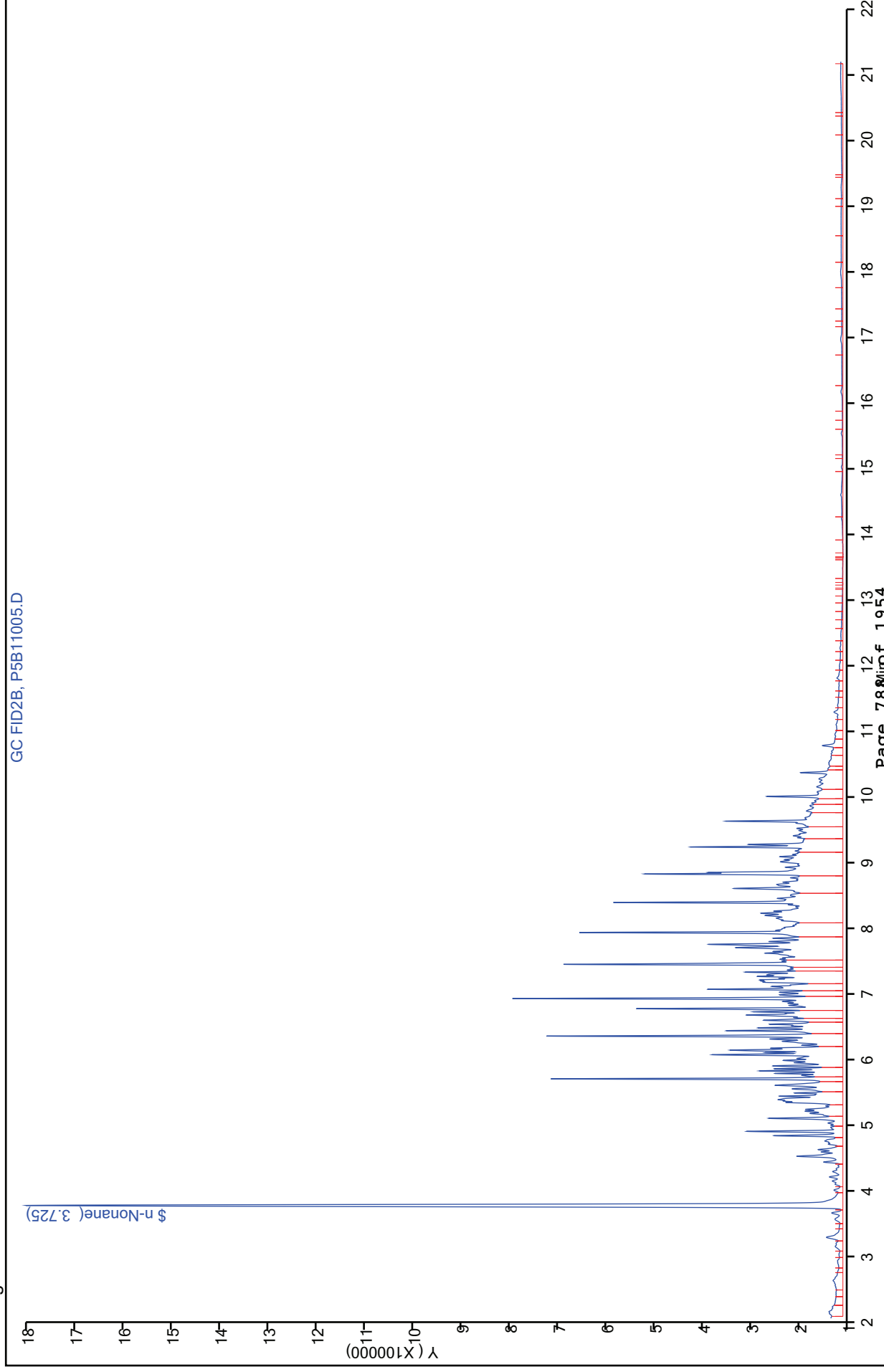
Report Date: 12-Mar-2013 10:27:09

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11005.D
Injection Date: 11-Mar-2013 16:50:00
Client ID:
Lims Batch ID: 77903
Operator ID: 4275
Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 5
Injection Vol: 1.0 ul
Column Dia:

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11006.D
Lims ID: STD3 DIESEL Client ID:
Inject. Date: 11-Mar-2013 17:20:43 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: 240-0017906-006
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 77903 Lims Sample ID: 6
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m
Last Update: 12-Mar-2013 10:27:10 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.725 3.719 0.006 10494139 52.3

A 15 Diesel

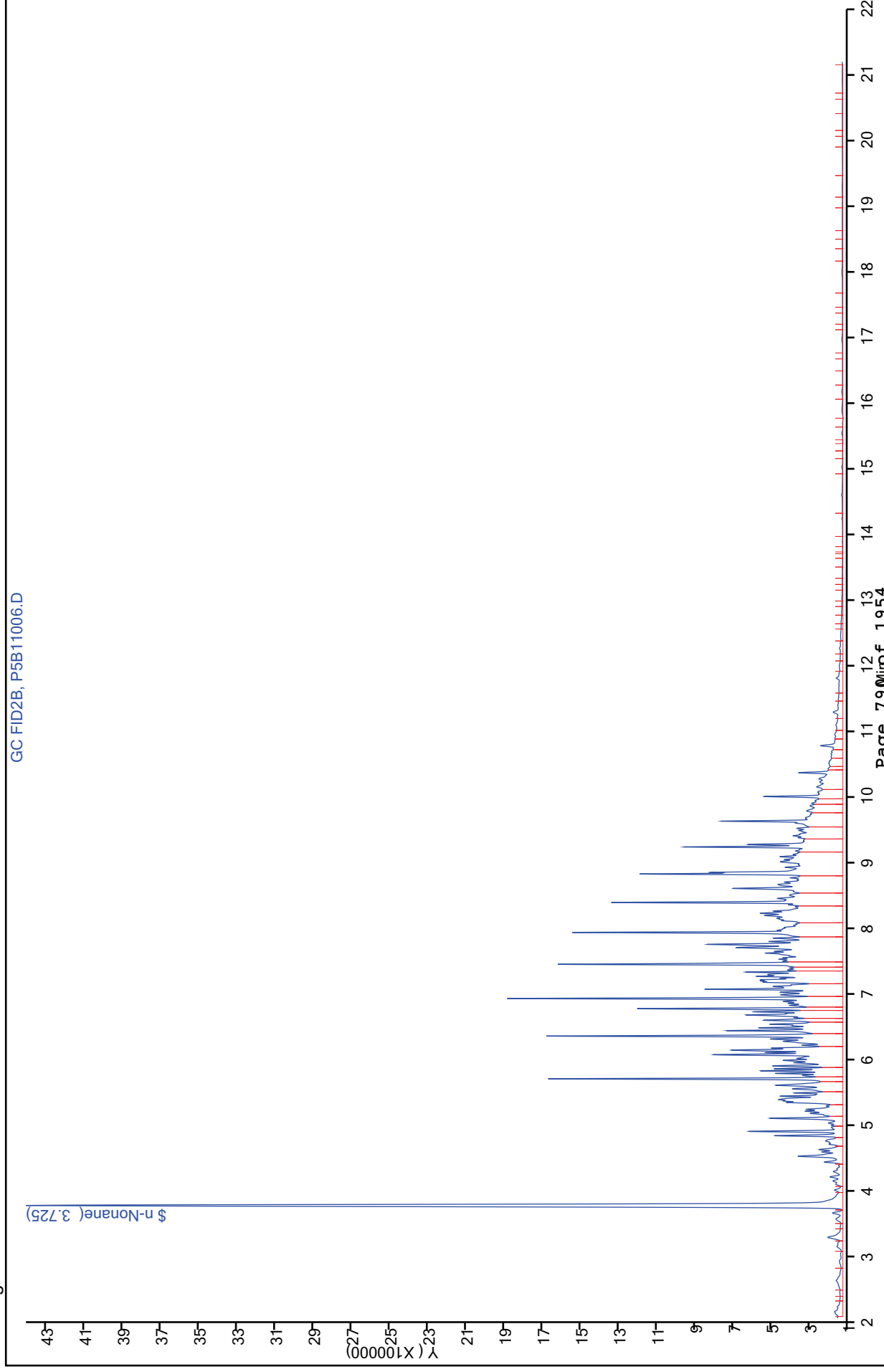
9.097 4.858 - 13.335 95811018 521.0

Report Date: 12-Mar-2013 10:27:10

Chrom Revision: 2.0 01-Feb-2013 10:03:10

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11006.D
Injection Date: 11-Mar-2013 17:20:43
Client ID:
Lims Batch ID: 77903
Operator ID: 4275
Column Type:
Y Scaling:
Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 6
Injection Vol: 1.0 ul
Column Dia:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11007.D
Lims ID: STD4 DIESEL Client ID:
Inject. Date: 11-Mar-2013 17:51:32 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 240-0017906-007
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 57
Lims Batch ID: 77903 Lims Sample ID: 7
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m
Last Update: 12-Mar-2013 10:27:11 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.727 3.719 0.008 20682585 103.1

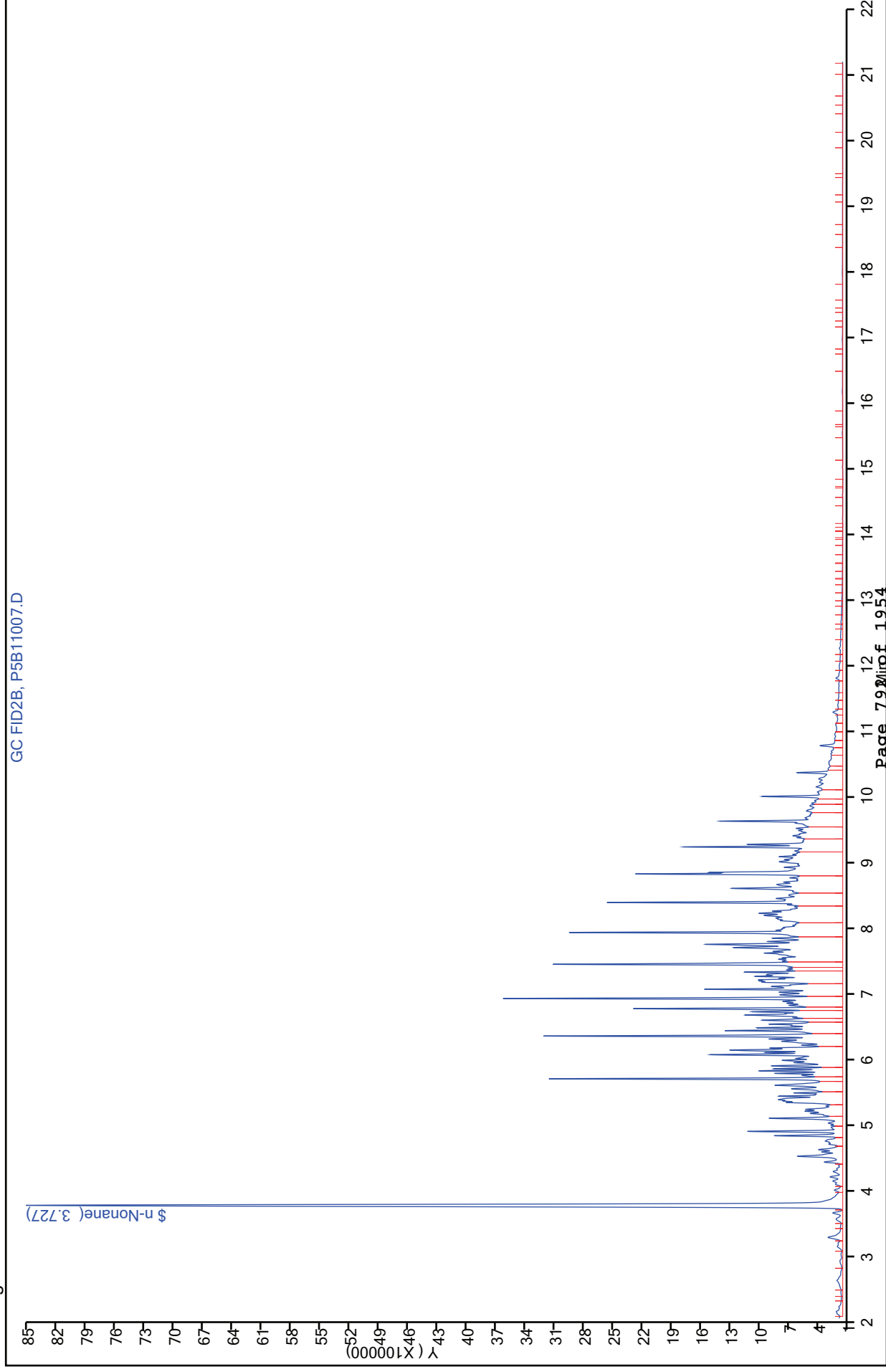
A 15 Diesel

9.097 4.858 - 13.335 190865171 1037.9

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11007.D
Injection Date: 11-Mar-2013 17:51:32 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 77903 Lims Sample ID: 7
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Lims ID: STD5 DIESEL Client ID:
Inject. Date: 11-Mar-2013 18:22:16 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 240-0017906-008
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 58
Lims Batch ID: 77903 Lims Sample ID: 8
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m
Last Update: 12-Mar-2013 10:27:12 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.728 3.719 0.009 41743063 208.1

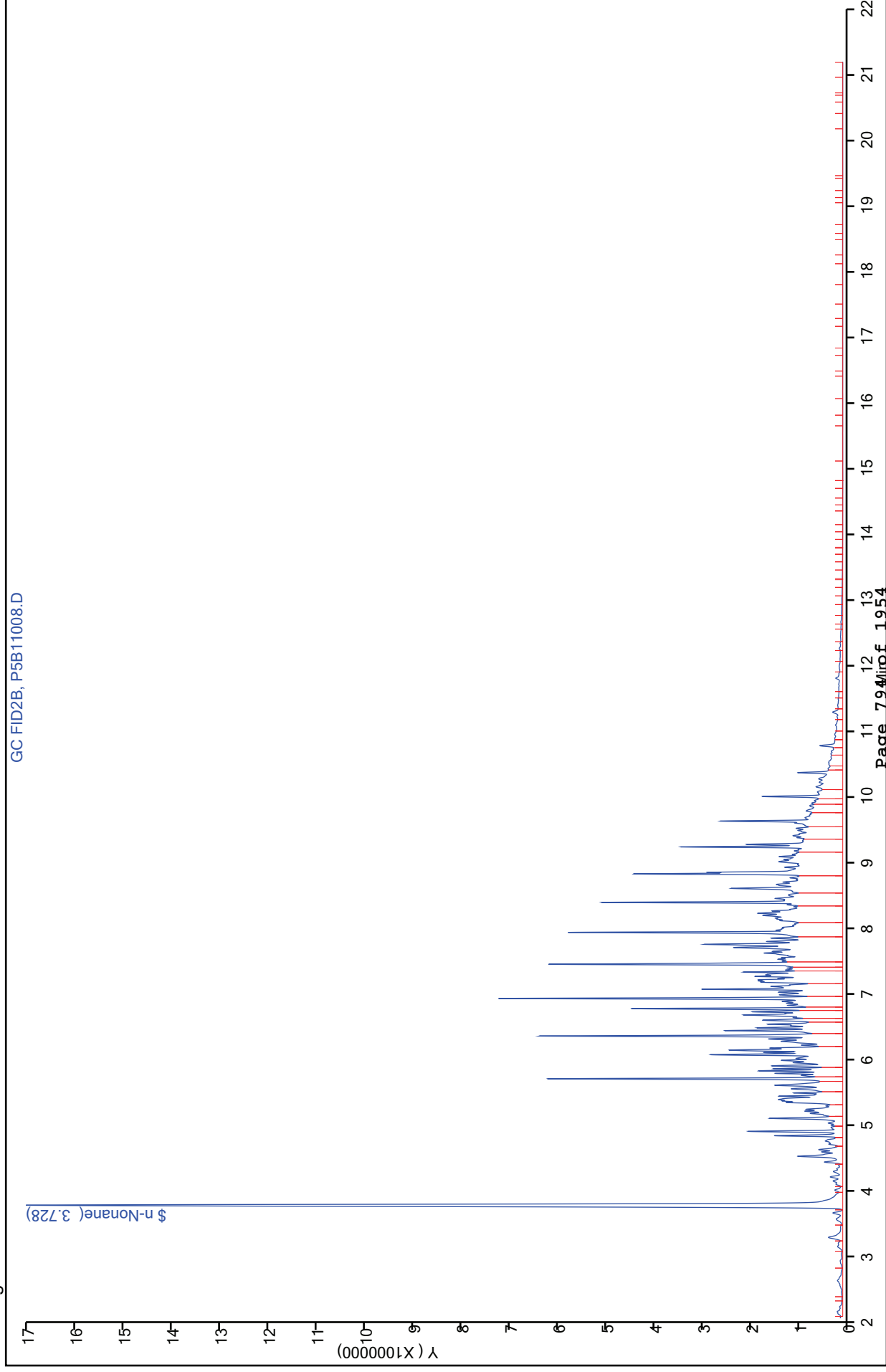
A 15 Diesel

9.097 4.858 - 13.335 386138932 2099.7

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Injection Date: 11-Mar-2013 18:22:16 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 77903 Lims Sample ID: 8
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: ICV 240-77903/9 Calibration Date: 03/11/2013 18:53
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B11009.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	182742		497	500	-0.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: ICV 240-77903/9 Calibration Date: 03/11/2013 18:53
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B11009.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.10	4.86	13.34

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11009.D
Lims ID: ICV DIESEL Client ID:
Inject. Date: 11-Mar-2013 18:53:02 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: 240-0017906-009
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 59
Lims Batch ID: 77903 Lims Sample ID: 9
Sublist:
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\TPH5R.m
Last Update: 12-Mar-2013 10:27:12 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK035

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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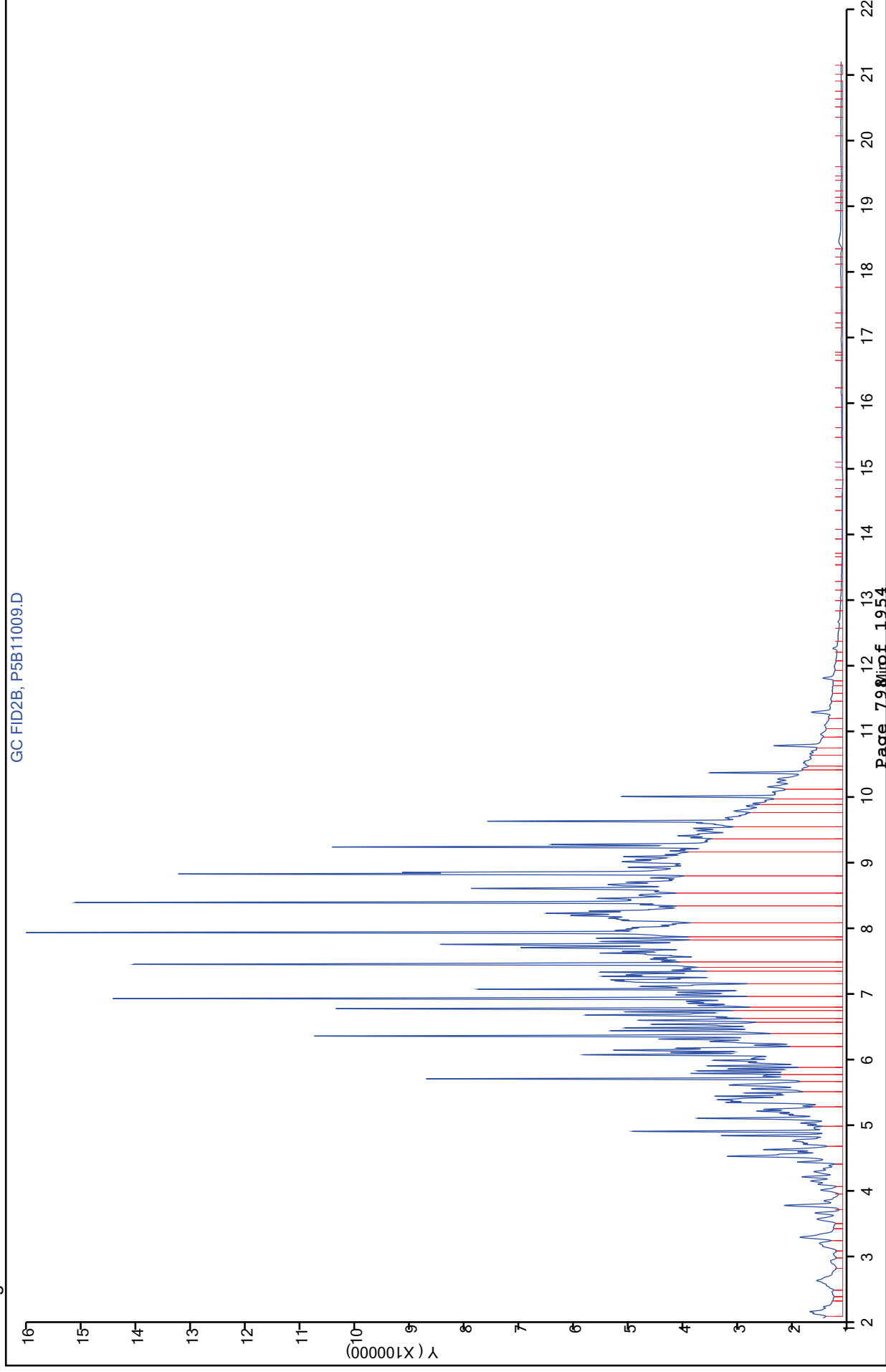
A 15 Diesel

9.097 4.858 - 13.335 91371208 496.8

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11009.D
Injection Date: 11-Mar-2013 18:53:02 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 77903 Lims Sample ID: 9
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-78992/5 Calibration Date: 03/21/2013 17:16
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B21005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	178119		484	500	-3.1	20.0
n-Nonane	Ave	200626	213062		53.1	50.0	6.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-78992/5 Calibration Date: 03/21/2013 17:16
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B21005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.34
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21005.D
Lims ID: CCV DIESEL Client ID:
Inject. Date: 21-Mar-2013 17:16:04 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: 240-0018143-005
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 55
Lims Batch ID: 78992 Lims Sample ID: 5
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\TPH5R.m
Last Update: 22-Mar-2013 09:42:48 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.713 3.713 0.000 10653085 53.1

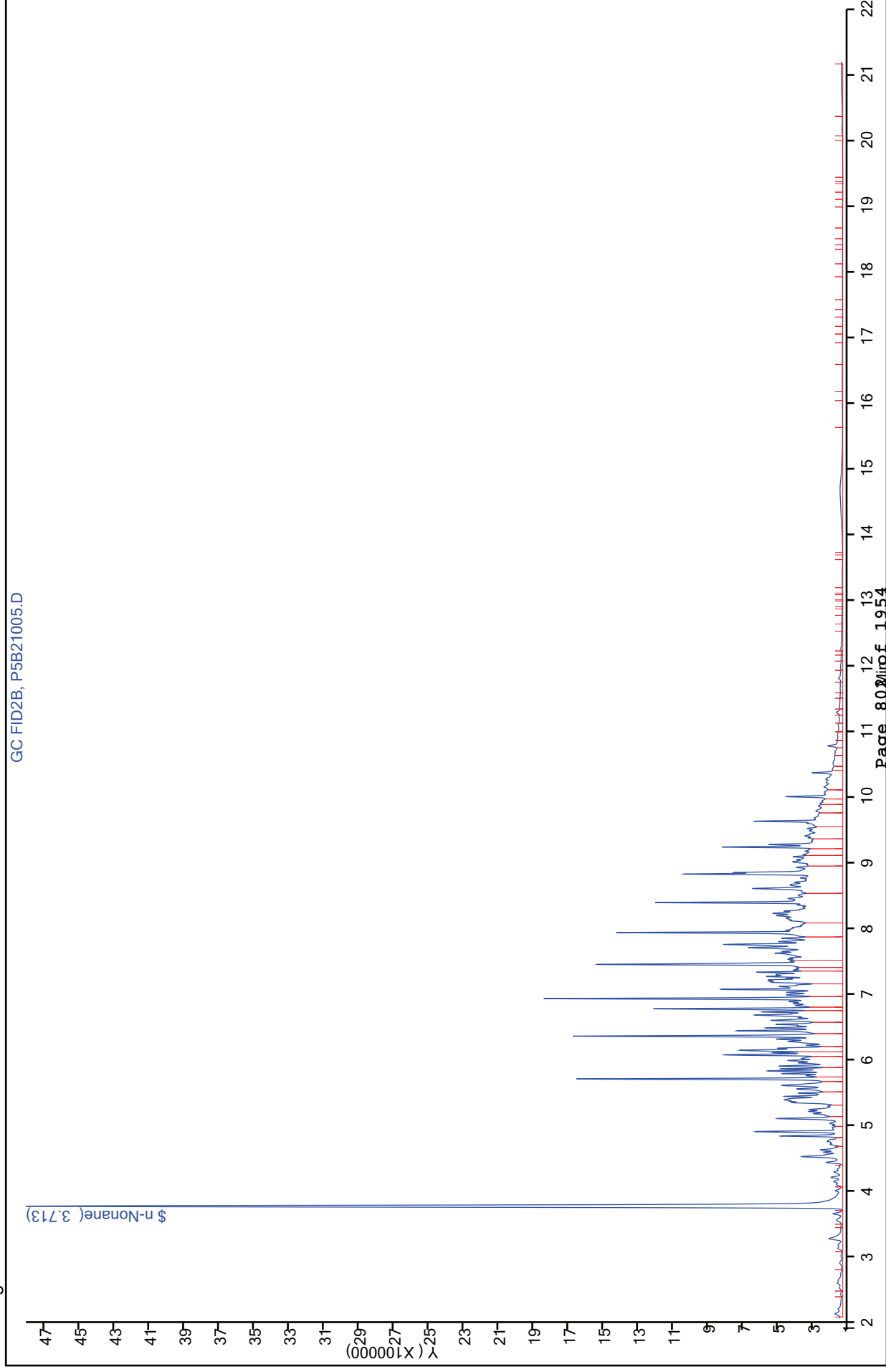
A 15 Diesel

9.094 4.853 - 13.335 89059536 484.3

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21005.D
Injection Date: 21-Mar-2013 17:16:04
Client ID:
Lims Batch ID: 78992
Operator ID: 4275
Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 5
Injection Vol: 1.0 ul
Column Dia:

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-78992/8 Calibration Date: 03/21/2013 18:45
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B21008.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	182416		496	500	-0.8	20.0
n-Nonane	Ave	200626	219067		54.6	50.0	9.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-78992/8 Calibration Date: 03/21/2013 18:45
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B21008.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.34
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21008.D
Lims ID: CCV DIESEL Client ID:
Inject. Date: 21-Mar-2013 18:45:38 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018143-008
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 58
Lims Batch ID: 78992 Lims Sample ID: 8
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\TPH5R.m
Last Update: 22-Mar-2013 09:42:50 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.714 3.713 0.001 10953352 54.6

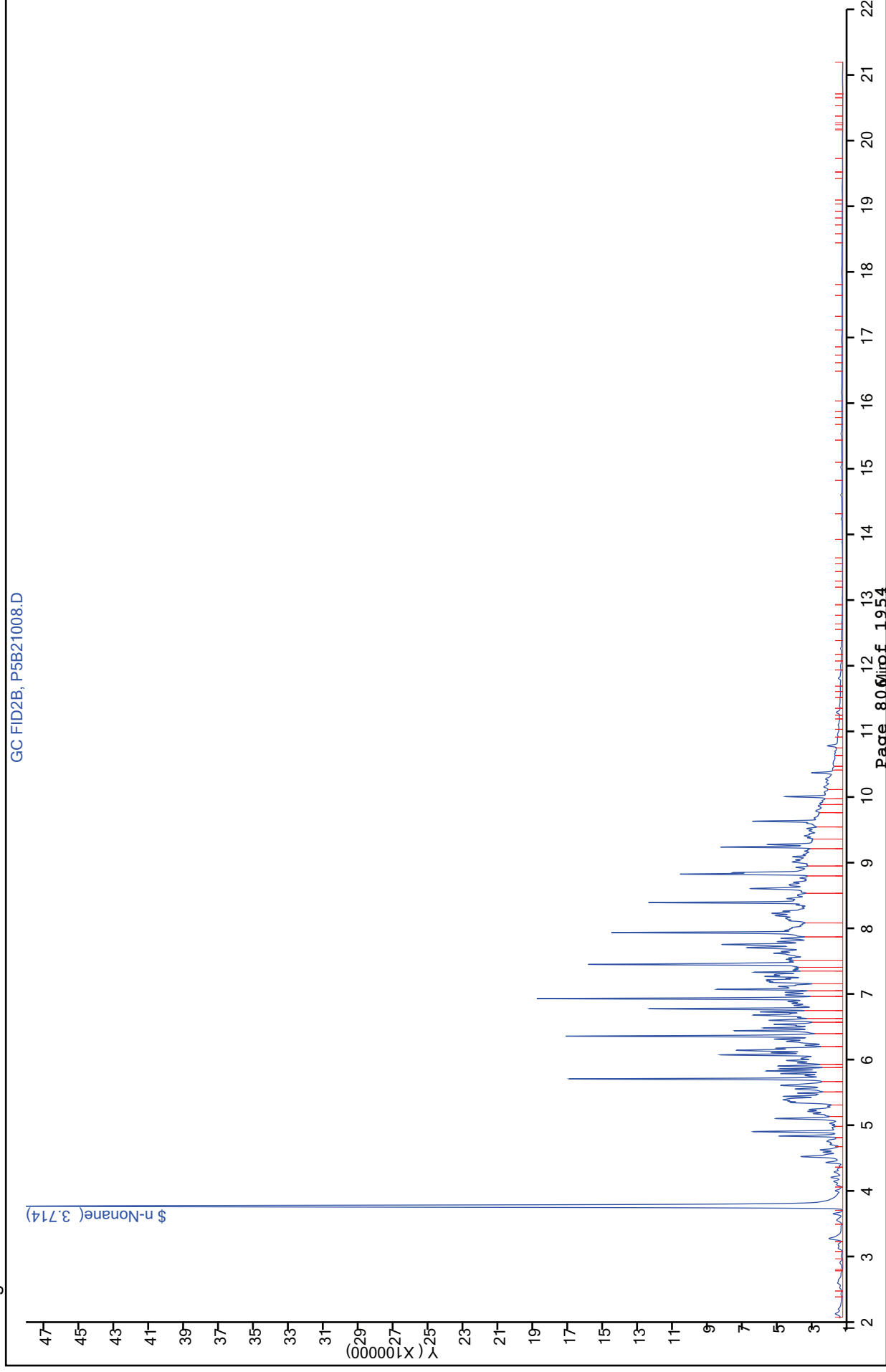
A 15 Diesel

9.094 4.853 - 13.335 91207773 496.0

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21008.D
Injection Date: 21-Mar-2013 18:45:38
Client ID:
Lims Batch ID: 78992
Operator ID: 4275
Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 8
Injection Vol: 1.0 ul
Column Dia:

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79092/4 Calibration Date: 03/22/2013 07:48
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B22004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	190819		519	500	3.8	20.0
n-Nonane	Ave	200626	226128		56.4	50.0	12.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79092/4 Calibration Date: 03/22/2013 07:48
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B22004.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22004.D
Lims ID: CCV DIESEL Client ID:
Inject. Date: 22-Mar-2013 07:48:15 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018164-004
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 54
Lims Batch ID: 79092 Lims Sample ID: 4
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\TPH5R.m
Last Update: 22-Mar-2013 11:12:18 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.714 3.713 0.001 11306420 56.4

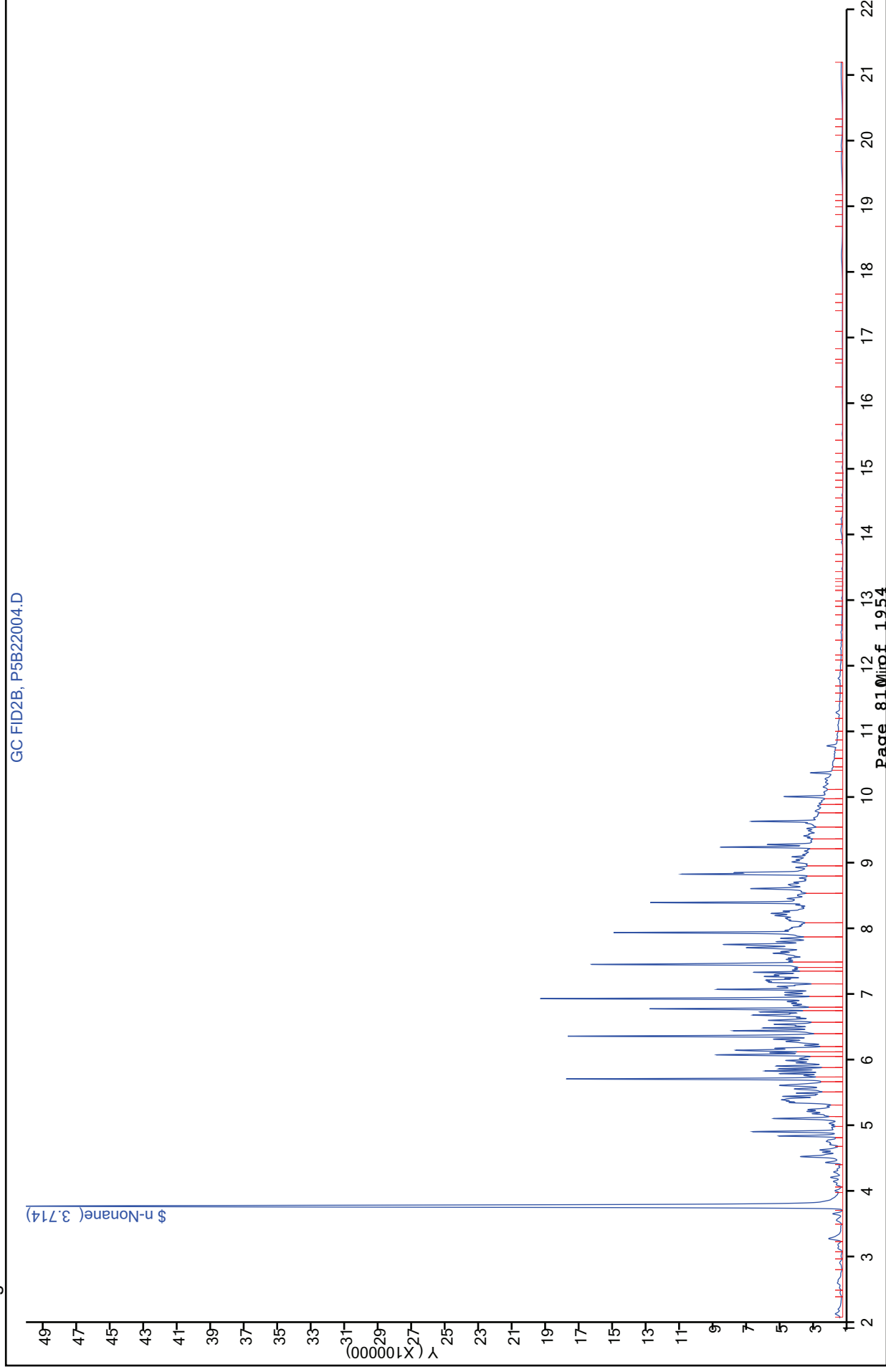
A 15 Diesel

9.093 4.853 - 13.333 95409579 518.8

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22004.D
Injection Date: 22-Mar-2013 07:48:15
Client ID:
Lims Batch ID: 79092
Operator ID: 4275
Column Type:
Y Scaling:

Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 4
Injection Vol: 1.0 ul
Column Dia:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79092/10 Calibration Date: 03/22/2013 10:47
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B22010.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	191028		519	500	3.9	20.0
n-Nonane	Ave	200626	226239		56.4	50.0	12.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79092/10 Calibration Date: 03/22/2013 10:47
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B22010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22010.D
Lims ID: CCV DIESEL Client ID:
Inject. Date: 22-Mar-2013 10:47:47 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018164-010
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 60
Lims Batch ID: 79092 Lims Sample ID: 10
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\TPH5R.m
Last Update: 22-Mar-2013 11:12:22 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.713 3.713 0.000 11311950 56.4

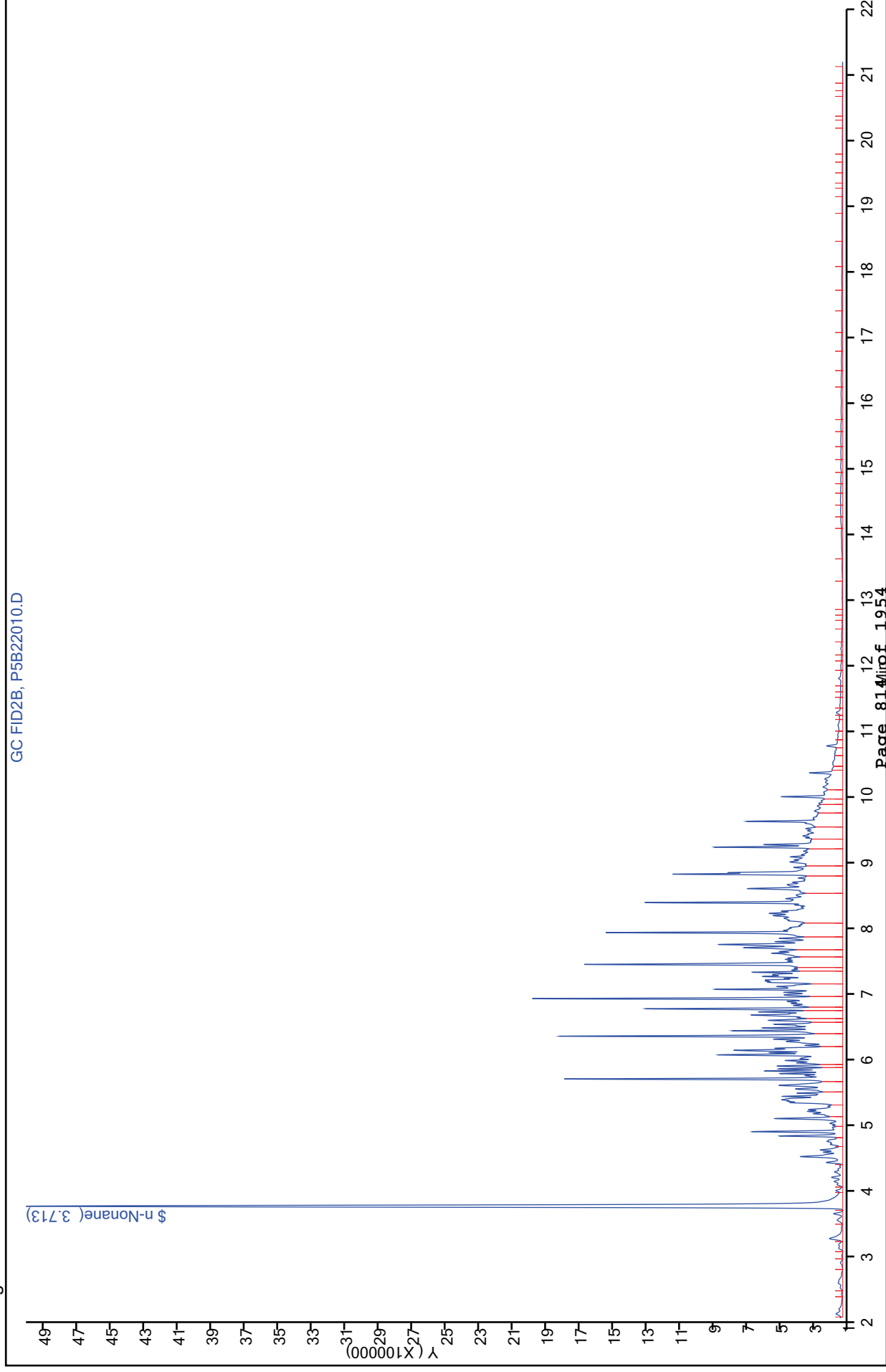
A 15 Diesel

9.093 4.853 - 13.333 95514039 519.4

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22010.D
Injection Date: 22-Mar-2013 10:47:47
Client ID:
Lims Batch ID: 79092
Operator ID: 4275
Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 10
Injection Vol: 1.0 ul
Column Dia:

Y Scaling:



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79092/13 Calibration Date: 03/22/2013 12:17
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B22013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diesel Range Organics [C10 - C28]	Ave	183902	203240		553	500	10.5	20.0
n-Nonane	Ave	200626	242501		60.4	50.0	20.9*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Lab Sample ID: CCV 240-79092/13 Calibration Date: 03/22/2013 12:17
Instrument ID: A2HP5R Calib Start Date: 03/11/2013 16:19
GC Column: _____ ID: _____ Calib End Date: 03/11/2013 18:22
Lab File ID: P5B22013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Diesel Range Organics [C10 - C28]	9.09	4.85	13.33
n-Nonane	3.71	3.64	3.78

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22013.D
Lims ID: CCV DIESEL Client ID:
Inject. Date: 22-Mar-2013 12:17:35 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: 240-0018164-013
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 63
Lims Batch ID: 79092 Lims Sample ID: 13
Sublist: chrom-TPH5R*sub1
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\TPH5R.m
Last Update: 22-Mar-2013 13:55:17 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.713 3.713 0.000 12125065 60.4

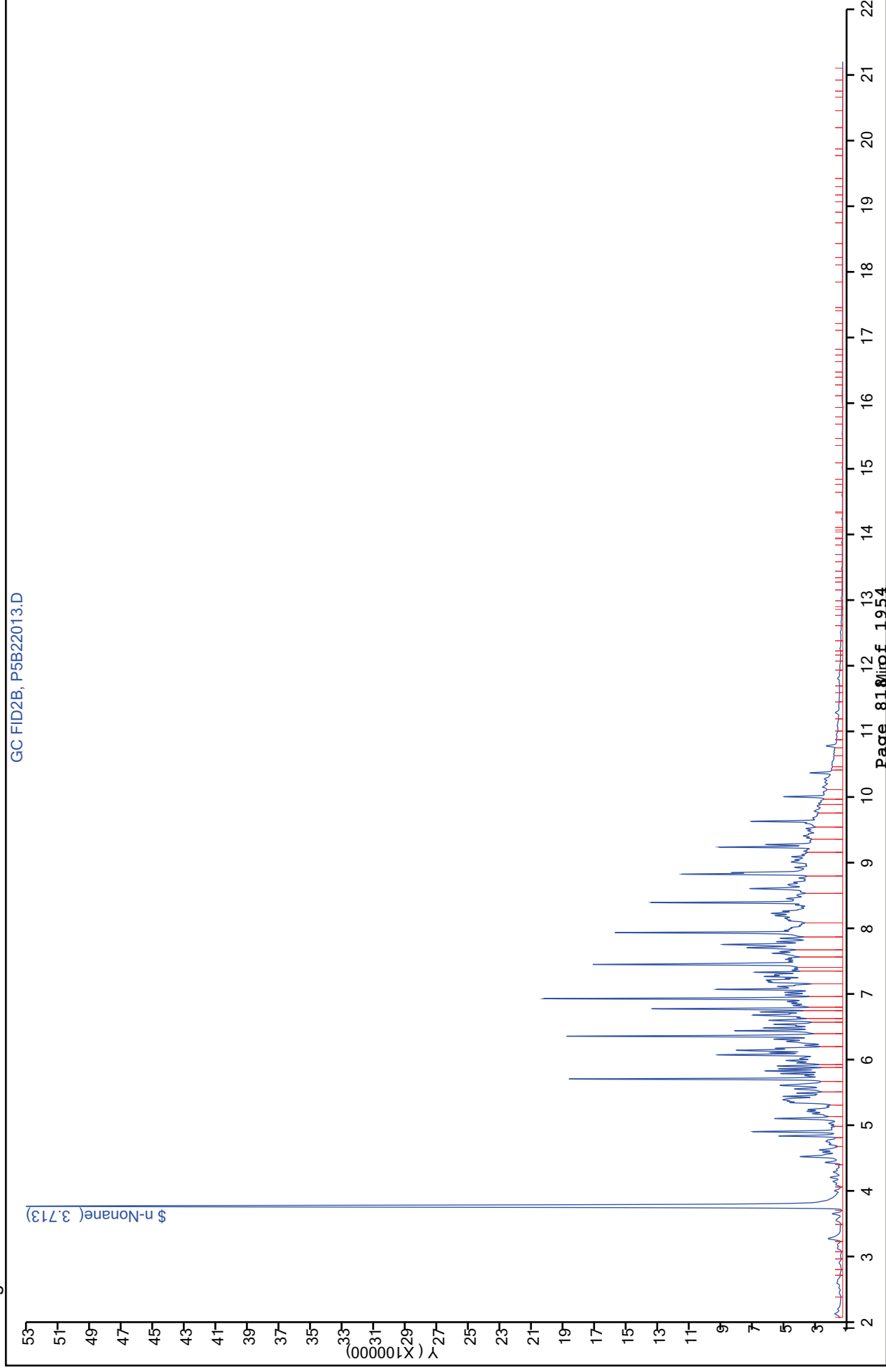
A 15 Diesel

9.093 4.853 - 13.333 101619788 552.6

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22013.D
Injection Date: 22-Mar-2013 12:17:35 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 79092 Lims Sample ID: 13
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 240-78624/21-A
 Matrix: Water Lab File ID: P5B22011.D
 Analysis Method: 8015B_DRO/DOD Date Collected: _____
 Extraction Method: 3520C Date Extracted: 03/18/2013 10:31
 Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2013 11:17
 Con. Extract Vol.: 5 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: _____ ID: _____
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79092 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	240	U	500	240	240
STL00272	C20-C34	240	U	500	240	240

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	63		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22011.D
 Lims ID: MB 240-78624/21-A Client ID:
 Inject. Date: 22-Mar-2013 11:17:42 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID:
 Misc. Info.:
 Operator: 4275 Instrument ID: A2HP5R
 Injection Vol: 1.0 ul ALS Bottle#: 61
 Lims Batch ID: 79092 Lims Sample ID: 11
 Detector: GC FID2B
 Method: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\TPH5R.m
 Last Update: 22-Mar-2013 11:11:44 Calib Date: 11-Mar-2013 18:22:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
 Limit Group: GC 8015C TPH ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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1 Tetratetracontane					1
25.920					
A 2 C28-C36					
14.824 13.410 -16.237			395378	0	
A 3 C10-C34					
4.853 - 15.152					
A 4 C32-C44					
14.484 -25.920					
A 5 C12-C22					
6.311 - 10.748					
A 6 C22-C32					
10.748 -14.484					
7 n-Octane					1
2.669					
\$ 8 n-Nonane					
3.714 3.713 0.001			12591925	62.8	
9 n-Decane					
4.856 4.853 0.003			45831	0	
10 Dodecane					1
6.311					
11 n-Tetradecane					1
7.408					
A 12 C10-C20					
4.853 - 9.972					
13 Hexadecane					
8.371 8.353 0.018			7224	0	
A 14 C10-C28					
9.108 4.706 - 13.510			1089138	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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A 15 Diesel

4.853 - 13.333

16 n-Octadecane

9.201

1

A 17 C10-C32

4.853 - 14.484

18 icosane

9.972

1

19 n-Docosane

10.748

1

A 20 C12-C24

6.311 - 11.779

21 n-Tetracosane

11.732 11.779 -0.047 47141

0

A 22 C20-C34

10.088 - 15.152

23 n-Hexacosane

12.630 12.636 -0.006 24992

0

24 n-Octacosane

13.321 13.333 -0.012 34327

0

25 Triacontane

13.966 13.933 0.033 43899

0

26 Dotriacontane

14.484

1

27 Tetratriacontane

15.152

1

A 28 C24-C40

11.779 - 19.222

29 n-Hexatriacontane

16.063

1

30 C38

17.320 17.354 -0.034 12433

0

31 C40

19.222

1

A 32 C20-C36

9.972 - 16.063

A 34 C24-C44

11.779 - 25.920

A 35 C10-C24

4.806 - 12.016

QC Flag Legend

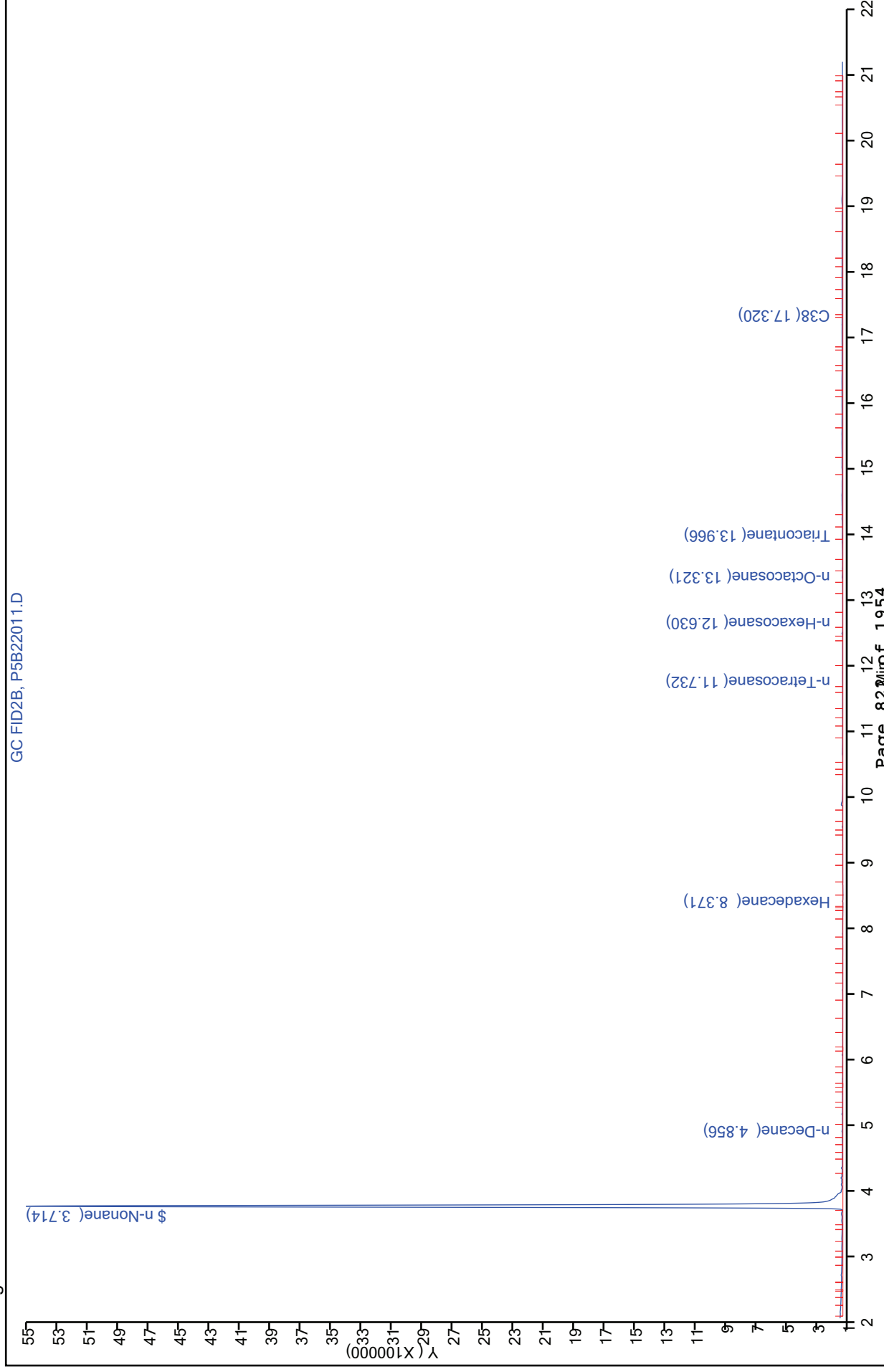
Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22011.D
Injection Date: 22-Mar-2013 11:17:42 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 79092 Lims Sample ID: 11
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-78624/22-A
Matrix: Water Lab File ID: P5B22012.D
Analysis Method: 8015B_DRO/DOD Date Collected: _____
Extraction Method: 3520C Date Extracted: 03/18/2013 10:31
Sample wt/vol: 1000 (mL) Date Analyzed: 03/22/2013 11:47
Con. Extract Vol.: 5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 79092 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	56		10-110

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22012.D
Lims ID: LCS 240-78624/22-A Client ID:
Inject. Date: 22-Mar-2013 11:47:31 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 240-0018164-012
Misc. Info.:
Operator: 4275 Instrument ID: A2HP5R
Injection Vol: 1.0 ul ALS Bottle#: 62
Lims Batch ID: 79092 Lims Sample ID: 12
Detector: GC FID2B
Method: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\TPH5R.m
Last Update: 22-Mar-2013 11:11:44 Calib Date: 11-Mar-2013 18:22:16
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
Limit Group: GC 8015C TPH ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
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\$ 8 n-Nonane

3.713 3.713 0.000 11138803 55.5

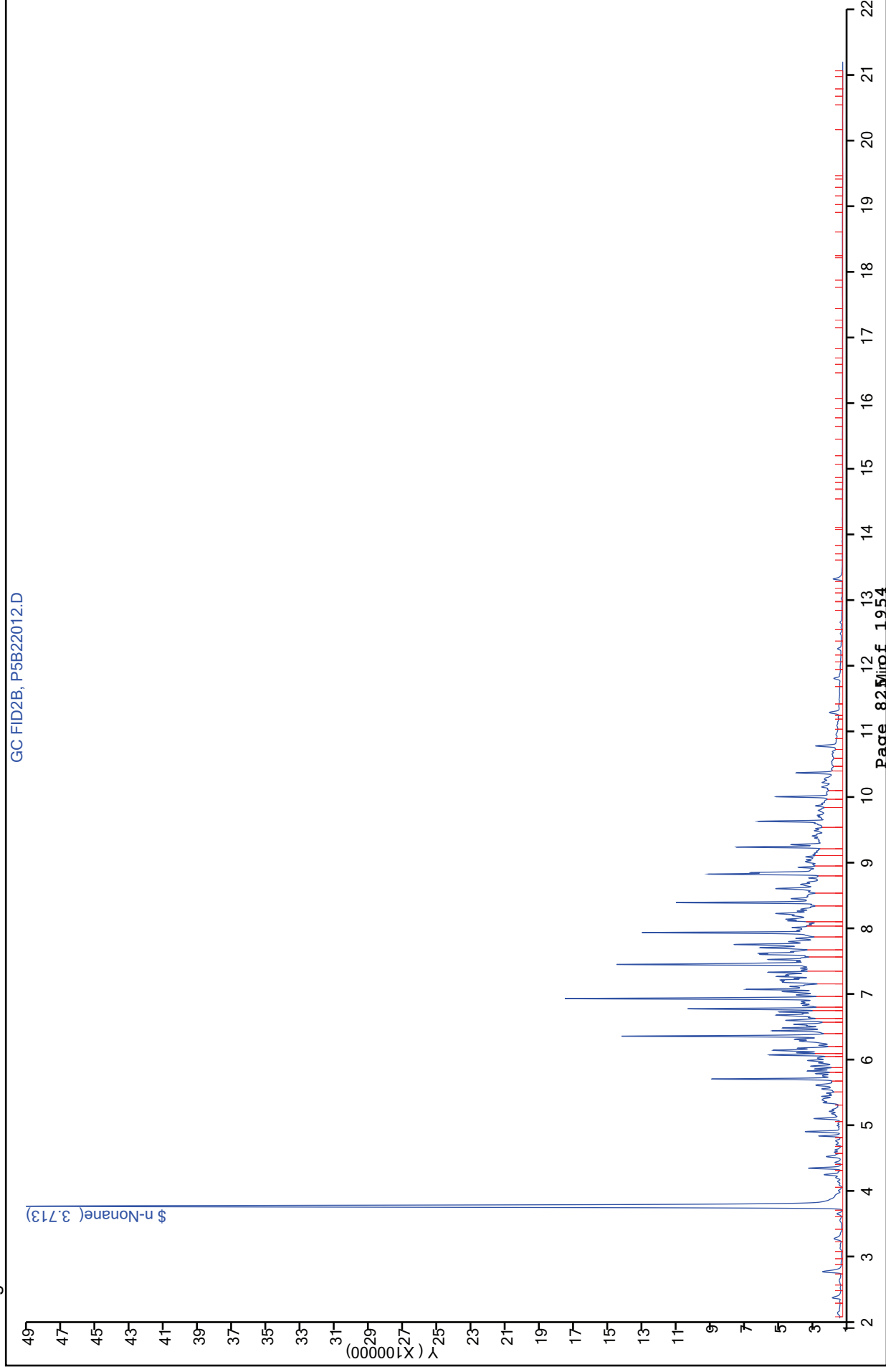
A 15 Diesel

9.093 4.853 - 13.333 71110032 386.7

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22012.D
Injection Date: 22-Mar-2013 11:47:31 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 79092 Lims Sample ID: 12
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MRL 240-78992/4
Matrix: Water Lab File ID: P5B21004.D
Analysis Method: 8015B_DRO/DOD Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 1(mL) Date Analyzed: 03/21/2013 16:46
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78992 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	72.8	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	102		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21004.D
 Lims ID: MRL Client ID:
 Inject. Date: 21-Mar-2013 16:46:04 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018143-004
 Misc. Info.:
 Operator: 4275 Instrument ID: A2HP5R
 Injection Vol: 1.0 ul ALS Bottle#: 54
 Lims Batch ID: 78992 Lims Sample ID: 4
 Detector: GC FID2B
 Method: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\TPH5R.m
 Last Update: 22-Mar-2013 09:42:47 Calib Date: 11-Mar-2013 18:22:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
 Limit Group: GC 8015C TPH ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

1 Tetratetracontane					1
25.920					
A 2 C28-C36					
14.837 13.417 -16.257			525700	0	
A 3 C10-C34					
10.004 4.853 - 15.155			17126552	93.1	
A 4 C32-C44					
14.486 -25.920					
A 5 C12-C22					
8.530 6.311 - 10.748			10886649	59.2	
A 6 C22-C32					
10.748 -14.486					
7 n-Octane					1
2.660					
\$ 8 n-Nonane					
3.713 3.713 0.000			2045104	10.2	
9 n-Decane					
4.852 4.853 -0.001			284495	0	
10 Dodecane					
6.311 6.311 0.000			803456	0	
11 n-Tetradecane					
7.407 7.407 0.000			845854	0	
A 12 C10-C20					
7.391 4.853 - 9.972			13390320	72.8	
13 Hexadecane					1
8.353					
A 14 C10-C28					
9.112 4.707 - 13.517			17027524	0	

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

A 15 Diesel

9.094 4.853 - 13.335 16800018 91.4

16 n-Octadecane

9.201 9.201 0.000 560063 0

A 17 C10-C32

9.670 4.853 - 14.486 17028849 92.6

18 icosane

9.972 9.972 0.000 206482 0

19 n-Docosane

10.751 10.748 0.003 72317 0

A 20 C12-C24

9.045 6.311 - 11.778 12090938 65.7

21 n-Tetracosane

11.785 11.778 0.007 37485 0

A 22 C20-C34

9.972 - 15.155

23 n-Hexacosane

12.636 1

24 n-Octacosane

13.342 13.335 0.007 12680 0

25 Triacontane

13.934 1

26 Dotriacontane

14.511 14.486 0.025 55942 0

27 Tetratriacontane

15.176 15.155 0.021 51109 0

A 28 C24-C40

11.778 -19.228

29 n-Hexatriacontane

16.066 1

30 C38

17.358 1

31 C40

19.228 1

A 32 C20-C36

9.972 - 16.066

A 34 C24-C44

11.778 -25.920

A 35 C10-C24

8.382 4.807 - 11.958 15739806 85.6

QC Flag Legend

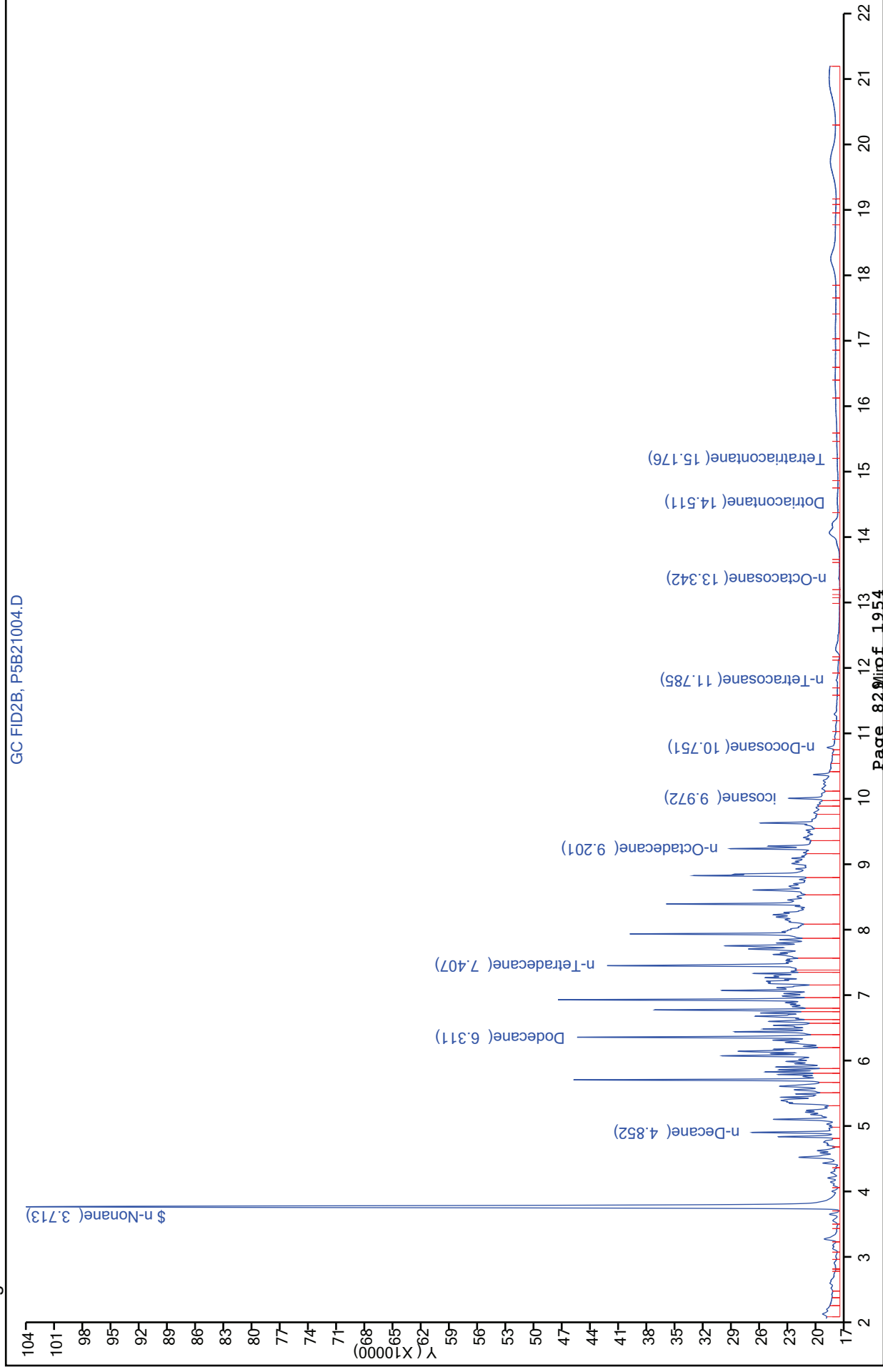
Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21004.D
Injection Date: 21-Mar-2013 16:46:04 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 78992 Lims Sample ID: 4
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-78992/9
 Matrix: Water Lab File ID: P5B21009.D
 Analysis Method: 8015B_DRO/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 03/21/2013 19:15
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: _____ ID: _____
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 78992 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	76.5	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	109		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21009.D
 Lims ID: MRL Client ID:
 Inject. Date: 21-Mar-2013 19:15:24 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018143-009
 Misc. Info.:
 Operator: 4275 Instrument ID: A2HP5R
 Injection Vol: 1.0 ul ALS Bottle#: 59
 Lims Batch ID: 78992 Lims Sample ID: 9
 Detector: GC FID2B
 Method: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\TPH5R.m
 Last Update: 22-Mar-2013 09:42:50 Calib Date: 11-Mar-2013 18:22:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
 Limit Group: GC 8015C TPH ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

1 Tetratetracontane					1
25.920					
A 2 C28-C36					
14.837 13.417 -16.257			630759	0	
A 3 C10-C34					
10.004 4.853 - 15.155			18517089	100.7	
A 4 C32-C44					
14.486 -25.920					
A 5 C12-C22					
8.530 6.311 - 10.748			11401117	62.0	
A 6 C22-C32					
10.748 -14.486					
7 n-Octane					
2.625 2.660 -0.035			54108	0	
\$ 8 n-Nonane					
3.713 3.713 0.000			2184001	10.9	
9 n-Decane					1
4.853					
10 Dodecane					
6.311 6.311 0.000			863350	0	
11 n-Tetradecane					
7.408 7.407 0.001			911368	0	
A 12 C10-C20					
7.412 4.853 - 9.972			14060587	76.5	
13 Hexadecane					1
8.353					
A 14 C10-C28					
9.112 4.707 - 13.517			18440793	0	

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21009.D

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

A 15 Diesel

9.094 4.853 - 13.335 18177303 98.8

16 n-Octadecane

9.200 9.201 -0.001 604703 0

A 17 C10-C32

9.670 4.853 - 14.486 18307333 99.5

18 icosane

9.971 9.972 -0.001 217783 0

19 n-Docosane

10.748 10.748 0.000 66490 0

A 20 C12-C24

9.045 6.311 - 11.778 12876697 70.0

21 n-Tetracosane

11.783 11.778 0.005 51666 0

A 22 C20-C34

9.972 - 15.155

23 n-Hexacosane

12.642 12.636 0.006 6930 0

24 n-Octacosane

13.335 1

25 Triacontane

13.934 1

26 Dotriacontane

14.486 1

27 Tetratriacontane

15.155 1

A 28 C24-C40

11.778 -19.228

29 n-Hexatriacontane

16.066 1

30 C38

17.358 1

31 C40

19.271 19.228 0.043 96752 0

A 32 C20-C36

9.972 - 16.066

A 34 C24-C44

11.778 -25.920

A 35 C10-C24

8.382 4.807 - 11.958 16837109 91.6

QC Flag Legend

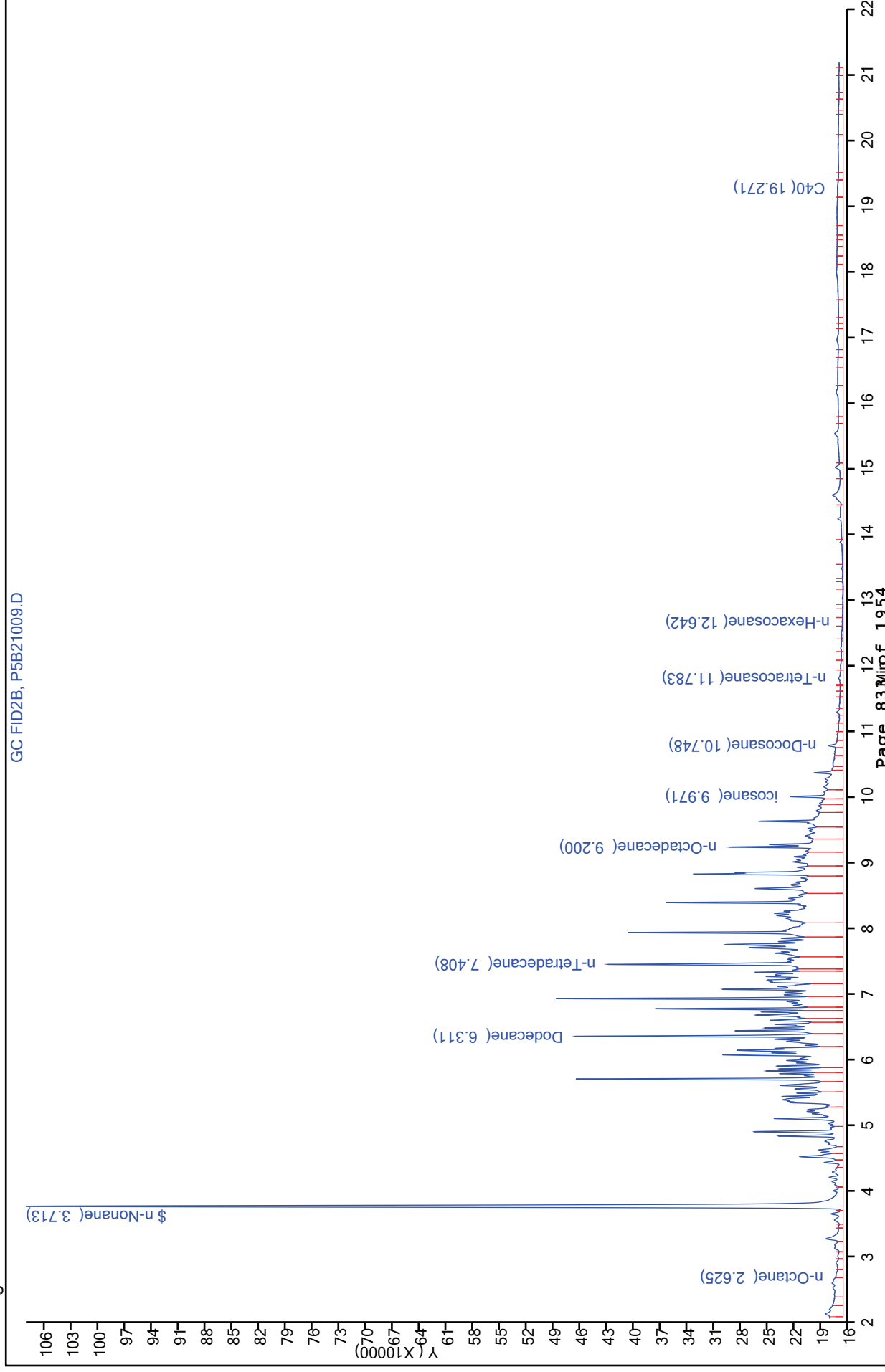
Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130321-18143.b\P5B21009.D
Injection Date: 21-Mar-2013 19:15:24 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 78992 Lims Sample ID: 9
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MRL 240-79092/5
Matrix: Water Lab File ID: P5B22005.D
Analysis Method: 8015B_DRO/DOD Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 1(mL) Date Analyzed: 03/22/2013 08:18
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 79092 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	78.4	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	106		70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22005.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Mar-2013 08:18:04 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018164-005
 Misc. Info.:
 Operator: 4275 Instrument ID: A2HP5R
 Injection Vol: 1.0 ul ALS Bottle#: 55
 Lims Batch ID: 79092 Lims Sample ID: 5
 Detector: GC FID2B
 Method: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\TPH5R.m
 Last Update: 22-Mar-2013 11:12:18 Calib Date: 11-Mar-2013 18:22:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
 Limit Group: GC 8015C TPH ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

1 Tetratetracontane 1
 25.920
 A 2 C28-C36
 14.824 13.410 -16.237 852294 0
 A 3 C10-C34
 10.002 4.853 - 15.152 18761057 102.0
 A 4 C32-C44
 14.484 -25.920
 A 5 C12-C22
 8.530 6.311 - 10.748 11378403 61.9
 A 6 C22-C32
 10.748 -14.484
 7 n-Octane
 2.689 2.669 0.020 25018 0
 \$ 8 n-Nonane
 3.713 3.713 0.000 2132452 10.6
 9 n-Decane
 4.853 4.853 0.000 329448 0
 10 Dodecane
 6.311 6.311 0.000 841921 0
 11 n-Tetradecane
 7.407 7.408 -0.001 891975 0
 A 12 C10-C20
 7.412 4.853 - 9.972 14421361 78.4
 13 Hexadecane
 8.352 8.353 -0.001 743513 0
 A 14 C10-C28
 9.108 4.706 - 13.510 18305029 0

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

A 15 Diesel

9.093 4.853 - 13.333 18040311 98.1

16 n-Octadecane

9.200 9.201 -0.001 505758 0

A 17 C10-C32

9.668 4.853 - 14.484 18353333 99.8

18 icosane

9.972

1

19 n-Docosane

10.748

1

A 20 C12-C24

9.045 6.311 - 11.779 12763896 69.4

21 n-Tetracosane

11.734 11.779 -0.045 152224 0

A 22 C20-C34

9.972 - 15.152

23 n-Hexacosane

12.637 12.636 0.001 10248 0

24 n-Octacosane

13.333

1

25 Triacontane

13.933

1

26 Dotriacontane

14.484

1

27 Tetratriacontane

15.170 15.152 0.018 13894 0

A 28 C24-C40

11.779 -19.222

29 n-Hexatriacontane

16.063

1

30 C38

17.386 17.354 0.032 14791 0

31 C40

19.256 19.222 0.034 9327 0

A 32 C20-C36

9.972 - 16.063

A 34 C24-C44

11.779 -25.920

A 35 C10-C24

8.411 4.806 - 12.016 16691382 90.8

QC Flag Legend

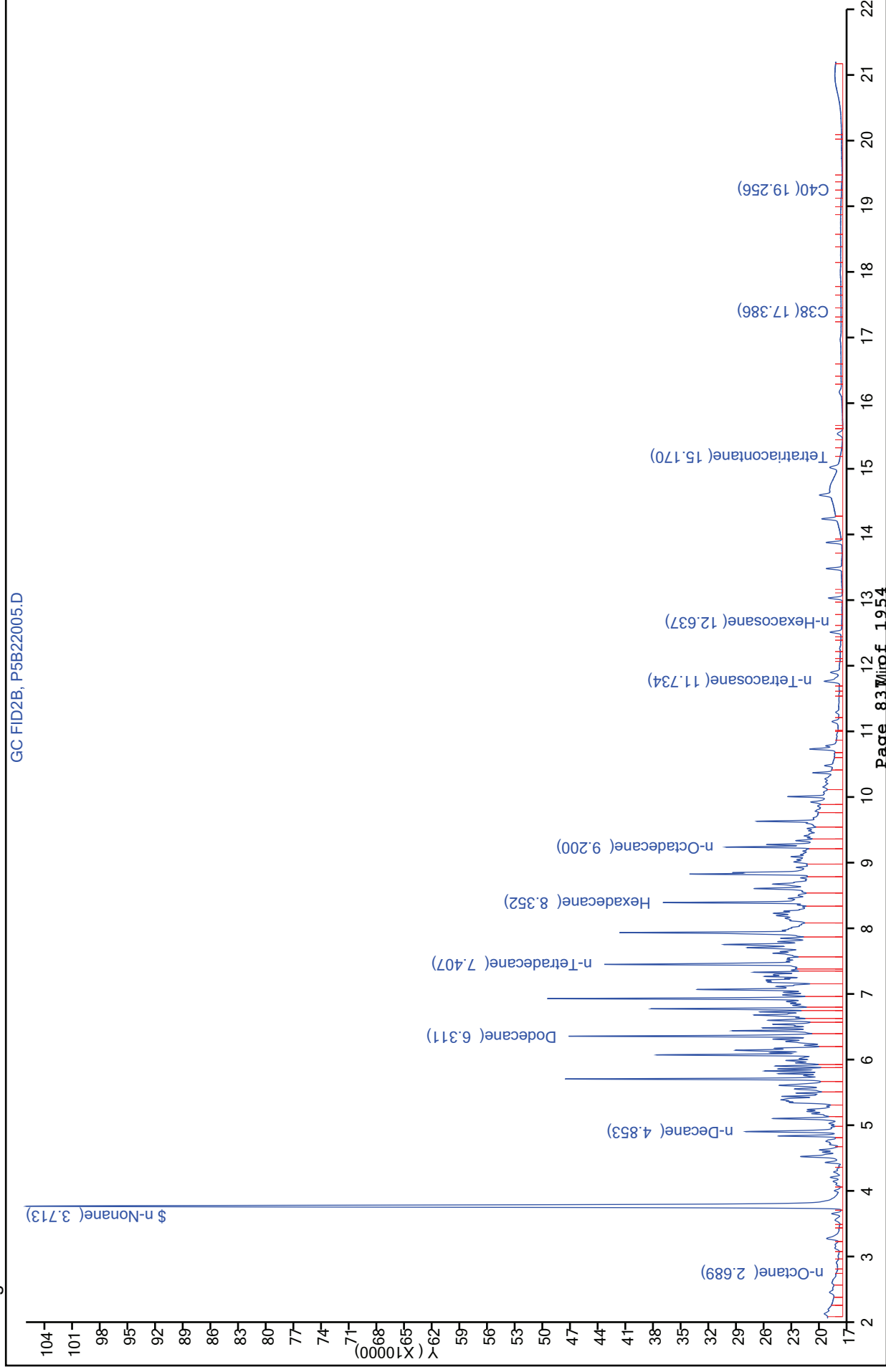
Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22005.D
Injection Date: 22-Mar-2013 08:18:04
Client ID:
Lims Batch ID: 79092
Operator ID: 4275
Limit Group: GC 8015C TPH ICAL
Instrument ID: A2HP5R
Lims Sample ID: 5
Injection Vol: 1.0 ul
Column Dia:

Y Scaling:



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MRL 240-79092/14
 Matrix: Water Lab File ID: P5B22014.D
 Analysis Method: 8015B_DRO/DOD Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 03/22/2013 12:47
 Con. Extract Vol.: _____ Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: _____ ID: _____
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 79092 Units: ng/uL

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
STL00115	C10-C20	77.9	J	100	48	48
STL00272	C20-C34	48	U	100	48	48

CAS NO.	SURROGATE	%REC	Q	LIMITS
111-84-2	n-Nonane	111	Q	70-130

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22014.D
 Lims ID: MRL Client ID:
 Inject. Date: 22-Mar-2013 12:47:32 Dil. Factor: 1.0000
 Sample Type: MRL
 Sample ID: 240-0018164-014
 Misc. Info.:
 Operator: 4275 Instrument ID: A2HP5R
 Injection Vol: 1.0 ul ALS Bottle#: 64
 Lims Batch ID: 79092 Lims Sample ID: 14
 Detector: GC FID2B
 Method: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\TPH5R.m
 Last Update: 22-Mar-2013 13:55:17 Calib Date: 11-Mar-2013 18:22:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Ncchrom\ChromData\A2HP5R\20130311-17906.b\P5B11008.D
 Limit Group: GC 8015C TPH ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK029

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

1 Tetratetracontane					1
25.920					
A 2 C28-C36					
14.824 13.410 -16.237			421527	0	
A 3 C10-C34					
10.002 4.853 - 15.152			20056267	109.1	
A 4 C32-C44					
14.484 -25.920					
A 5 C12-C22					
8.530 6.311 - 10.748			11440483	62.2	
A 6 C22-C32					
10.748 -14.484					
7 n-Octane					1
2.669					
\$ 8 n-Nonane					
3.712 3.713 -0.001			2229350	11.1	
9 n-Decane					1
4.853					
10 Dodecane					
6.310 6.311 -0.001			879501	0	
11 n-Tetradecane					
7.407 7.408 -0.001			852102	0	
A 12 C10-C20					
7.412 4.853 - 9.972			14328606	77.9	
13 Hexadecane					
8.352 8.353 -0.001			781143	0	
A 14 C10-C28					
9.108 4.706 - 13.510			19051557	0	

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22014.D

RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Flags
----	-----------	-----------	----------	---------------------	-------

A 15 Diesel

9.093 4.853 - 13.333 18766221 102.0

16 n-Octadecane

9.200 9.201 -0.001 885007 0

A 17 C10-C32

9.668 4.853 - 14.484 19464606 105.8

18 icosane

9.972

1

19 n-Docosane

10.748

1

A 20 C12-C24

9.045 6.311 - 11.779 13089391 71.2

21 n-Tetracosane

11.733 11.779 -0.046 201573 0

A 22 C20-C34

10.088 -15.152

23 n-Hexacosane

12.637 12.636 0.001 31678 0

24 n-Octacosane

13.328 13.333 -0.005 19916 0

25 Triacontane

13.953 13.933 0.020 7996 0

26 Dotriacontane

14.435 14.484 -0.049 9338 0

27 Tetratriacontane

15.152

1

A 28 C24-C40

11.779 -19.222

29 n-Hexatriacontane

16.063

1

30 C38

17.354

1

31 C40

19.185 19.222 -0.037 23533 0

A 32 C20-C36

9.972 - 16.063

A 34 C24-C44

11.779 -25.920

A 35 C10-C24

8.411 4.806 - 12.016 17200383 93.5

QC Flag Legend

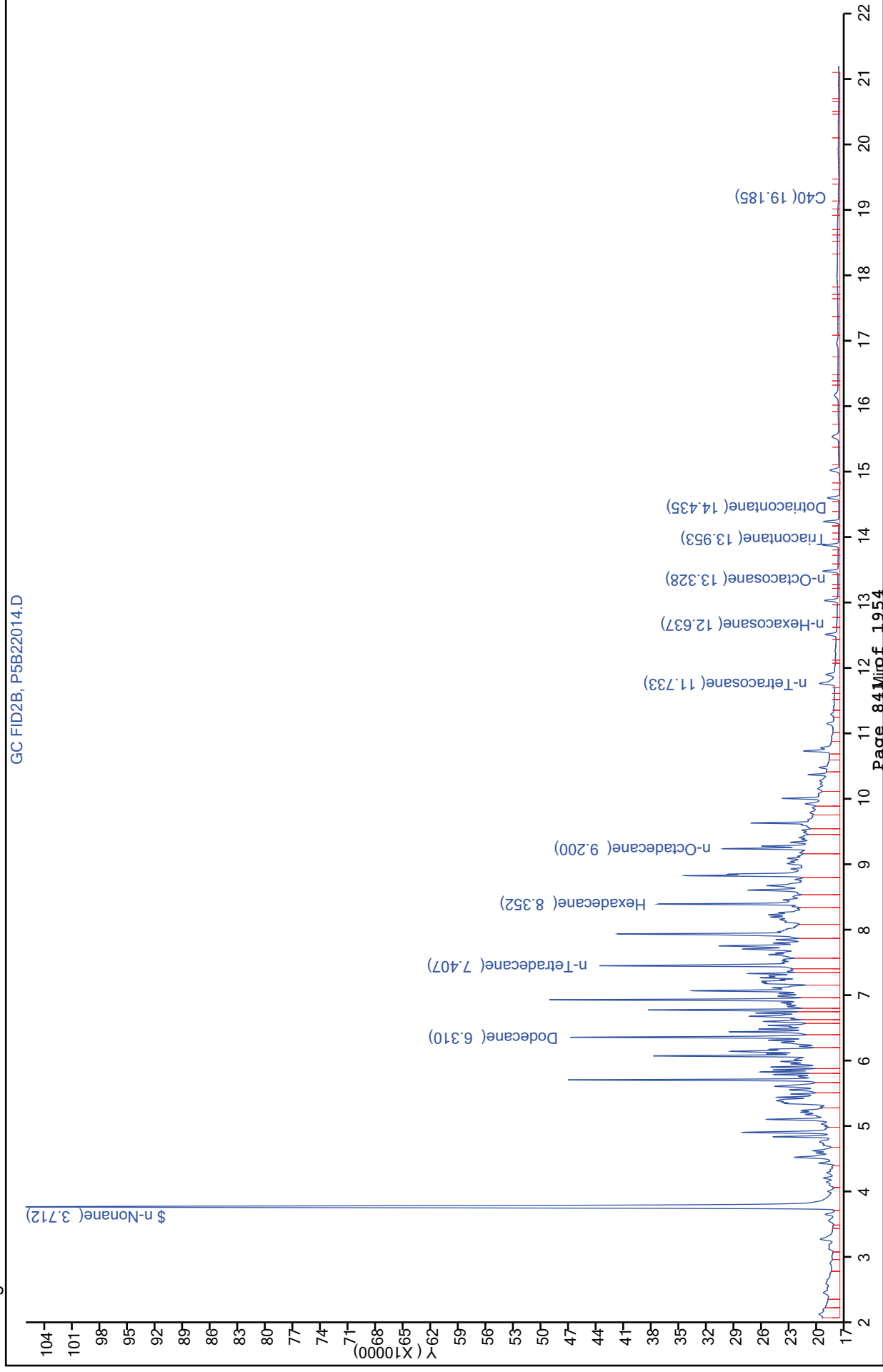
Processing Flags

1 - Missing Peaks

TestAmerica Canton

Data File: \\Ncchrom\ChromData\A2HP5R\20130322-18164.b\P5B22014.D
Injection Date: 22-Mar-2013 12:47:32 Limit Group: GC 8015C TPH ICAL
Client ID: Instrument ID: A2HP5R
Lims Batch ID: 79092 Lims Sample ID: 14
Operator ID: 4275 Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: A2HP5R Start Date: 03/11/2013 16:19Analysis Batch Number: 77903 End Date: 03/11/2013 18:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-77903/4 IC		03/11/2013 16:19	1	P5B11004.D	
STD2 240-77903/5 IC		03/11/2013 16:50	1	P5B11005.D	
STD3 240-77903/6 IC		03/11/2013 17:20	1	P5B11006.D	
STD4 240-77903/7 IC		03/11/2013 17:51	1	P5B11007.D	
STD5 240-77903/8 IC		03/11/2013 18:22	1	P5B11008.D	
ICV 240-77903/9		03/11/2013 18:53	1	P5B11009.D	

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: A2HP5R Start Date: 03/21/2013 16:46Analysis Batch Number: 78992 End Date: 03/21/2013 19:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MRL 240-78992/4		03/21/2013 16:46	1	P5B21004.D	
CCV 240-78992/5 CCVRT		03/21/2013 17:16	1	P5B21005.D	
240-21987-1	079-0007-0001-SOURCEW ATER	03/21/2013 17:45	1	P5B21006.D	
CCV 240-78992/8		03/21/2013 18:45	1	P5B21008.D	
MRL 240-78992/9		03/21/2013 19:15	1	P5B21009.D	

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.: _____

Instrument ID: A2HP5R Start Date: 03/22/2013 07:48Analysis Batch Number: 79092 End Date: 03/22/2013 12:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-79092/4		03/22/2013 07:48	1	P5B22004.D	
MRL 240-79092/5		03/22/2013 08:18	1	P5B22005.D	
CCV 240-79092/10		03/22/2013 10:47	1	P5B22010.D	
MB 240-78624/21-A		03/22/2013 11:17	1	P5B22011.D	
LCS 240-78624/22-A		03/22/2013 11:47	1	P5B22012.D	
CCV 240-79092/13		03/22/2013 12:17	1	P5B22013.D	
MRL 240-79092/14		03/22/2013 12:47	1	P5B22014.D	

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-21987-1

SDG No.:

Batch Number: 78624 Batch Start Date: 03/18/13 12:00 Batch Analyst: Matthews, Brandon

Batch Method: 3520C Batch End Date: 03/19/13 06:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjstpH	EXDIESELSPKW 00024	EXTPHSURR 00017
240-21987-O-1	079-0007-0001-SO URCEWATER	3520C, 8015B_DRO/DO D	T	1030 mL	5 mL	7	2		1 mL
MB 240-78624/21		3520C, 8015B_DRO/DO D		1000 mL	5 mL	7	2		1 mL
ICS 240-78624/22		3520C, 8015B_DRO/DO D		1000 mL	5 mL	7	2	1 mL	1 mL

Batch Notes	
Person's name who did the concentration	lah/cc/ac
Na2SO4 Lot Number	857426
Prep Solvent Lot #	890180

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.