908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

Certification Number: CA1312
NELAP Certification number: 05233CA
DoD-ELAP Certificate number: ADE-1410

Data Validatable Report

February 20, 2012

Environet, Inc.
650 Iwilei Road, #204
Honolulu, Hawaii 96817

Attn: Max Solmssen

Title: Report of Data: Case 66795

Project: Red Hill/1022-015

Contract #: Prime contract # for DoD: N62742-08-D-1930, CTO HC21

Dear Mr. Solmssen:

Samples were received January 25, 2012, in good condition. Written results for the requested analyses are provided on this February 20, 2012.

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

If you have any questions or require further information, please contact your APPL Project Manager, Diane Anderson, at your convenience. Thank you for choosing APPL, Inc.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC and DoD QSM. Release of the hard copy has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

Sharon Dehmlow, Laboratory Director
APPL, Inc.

SD/sdm
Enclosure
cc: File

Number of pages in this report: 461

Data Validation Package
for
Red Hill/1022-015
SDG 66795

TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

SAMPLE RECEIPT INFORMATION

Sample receipt information

ARF: 66795

Project: Red Hill/1022-015

Sample Receipt Information:

The samples were received on January 25, 2012, at 2.5°C and 2.5°C. The samples were assigned Analytical Request Form (ARF) number 66795. The sample numbers and requested analysis were compared to the chains of custody and email communications. No other exception was encountered.

Sample Tablel

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
ES057	AY53666	WATER	01/24/12	01/25/12
ES058	AY53667	WATER	01/24/12	01/25/12
ES059	AY53668	WATER	01/24/12	01/25/12
TRIP BLANK	AY53669	WATER	01/24/12	01/25/12

Samples and blanks were screened for J-value responses between the detection limit (DL) and limit of quantitation (LOQ).

APPL's laboratory control limits generated in house statistically do not meet the control limits listed in DoD QSM 4.2 for all analytes. Laboratory control spike recoveries for this project meet all control limits listed in the DoD QSM 4.2 except where noted. A copy of our in house generated control limits is available upon request. In addition, a copy of our LOQ control limits, established using 7 data points, are also available upon request.

Only the portion of the injection log relative to these samples is included. A full sequence log is available upon request.

Measurement uncertainty can be reported upon request.

CASE NARRATIVE

EPA Method 8015B

Total Petroleum Hydrocarbons – Diesel

Sample Preparation:

The water samples were extracted according to EPA method 3510C. The samples were extracted within holding time.

Sample Analysis Information:

The samples were analyzed according to the method using a Hewlett Packard Gas Chromatograph with a flame ionization detector.

Quality Control/Assurance

Calibrations:

Initial and continuing calibrations were performed according to the method. All calibration criteria were met.

Blanks:

No target analyte was detected above the detection limit in the method blank.

Spikes:

A Laboratory Control Spike (LCS) was used for quality assurance. All acceptance criteria were met.

No sample was designated for MS/MSD analysis.

Surrogates:

The surrogate recoveries are summarized on the form 2 & 8. All surrogate recoveries were within control limits.

Summary:

No problem was encountered

EPA Method 8270D SIM

Polynuclear Aromatic Hydrocarbons

Sample Preparation:

The water samples were extracted according to EPA method 3510C. All holding times were met.

Sample Analysis Information:

The samples were analyzed according to EPA method 8270D using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector in selective ion monitoring mode.

Quality Control/Assurance

Calibrations:

Initial and continuing calibrations were performed according to the method. All calibration criteria were met.

Blanks:

No target analyte was detected above the detection limits in the method blank.

Spikes:

A Laboratory Control Spike (LCS) was used for quality assurance. All spike criteria were met.

No sample was designated for MS/MSD analysis.

Surrogates

Surrogate recoveries are summarized on the forms 2&8. All surrogate recoveries were within control limits.

Tuning:

The instrument was tuned using DFTPP. All method criteria were met.

Internal Standards

The internal standard area counts were compared to the mid-point of the initial calibration according to method 8270. All method criteria were met.

Summary:

No problem was encountered.

EPA Method 8260B

Volatile Organic Analysis

Sample Preparation:

The water samples were purged according to EPA method 5030B. The samples were not-preserved when received. The samples were injected within a seven day holding time. All holding times were met.

Sample Analysis Information:

The samples were analyzed according to the method using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector. All holding times were met. Manual integrations were performed in accordance to APPL's SOP. Chromatograms of prior to and after manual integrations are enclosed. All points of the gasoline curve and the gasoline second-source(file ID 0125C38W.D) required manual integrations because the integration did not follow the baseline.

Quality Control/Assurance:

Calibrations:

Initial and continuing calibrations were performed according to the method. All system performance check compounds and calibration check compounds met DoD acceptance criteria. All calibration criteria were met.

Blanks:

No target analyte was detected above one-half the limit of quantitation (LOQ) in the method blanks.

Spikes:

Laboratory Control Spikes (LCS) were used for quality assurance. A second-source standard was used for the LCS. All LCS and second-source criteria were met.

There was no sample designated by the client for MS/MSD analysis.

Surrogates:

Surrogate recoveries are summarized on Form 2 & 8. All surrogate recoveries were within the acceptance limits.

Tuning:

The instrument was tuned using BFB. All method criteria were met.

Internal Standards:

The internal standard area counts were compared to the mid-point of the initial calibration according to method 8260. All method criteria were met.

Summary:

No other problem was encountered. The data generated are acceptable.

EPA Method 6020
Dissolved Lead

Digestion Information:

The water samples were digested according to EPA method 3015. Samples ES057, ES058, and ES059 were filtered and preserved in the laboratory. All holding times were met.

Analysis Information:

Samples:

The samples were analyzed for dissolved lead according to EPA method 6020 using an Agilent 7500CX ICP-MS.

Calibrations:

The initial and continuing calibrations were analyzed according to the DoD QSM. The initial calibration verification is prepared from a second source standard.

Blanks:

No metal was detected at or above one-half the LOQ in the method blank.

Spikes:

Laboratory Control Spike (LCS), matrix spikes (MS/MSD), post digestion spike (PDS), and serial dilution were used for quality assurance. All LCS recoveries were within the acceptance limits.

Sample ES059 was designated by the laboratory for MS/MSD analysis. The MS/MSD, PDS, and DT met all acceptance criteria.

Summary:

No analytical exception is noted.

Abbreviations and Flags

FLAG	DESCRIPTION
#	Recovery or RPD outside control limits
*	Recovery or RPD outside control limits
B	Analyte detected in associated method blank
C1	Reason for correction: wrote incorrect response
C2	Reason for correction: calculated incorrectly
C3	Reason for correction: needs to be rechecked
C4	Reason for correction: data not usable
DO	Diluted out
E	Exceeds linear range
F	Estimated value
G1	Includes a wide range of hydrocarbons which does not match our gasoline standard
G10	Includes a match to hydrocarbon profiles within the range of mineral spirits
G11	Includes a match to hydrocarbon profiles within the range of JP-4
G12	Pattern does not match the gasoline standard; the carbon range for this sample is consistent with JP8
G13	Closely resembles the hydrocarbon profile of aviation gasoline
G14	Analyte concentration may be biased due to carry over
G2	Closely resembles the boiling point hydrocarbon profile consistent with weathered gasoline
G3	Includes higher boiling hydrocarbons
G4	Includes dominant peak(s) not indicative of petroleum hydrocarbons
G5	Is mainly dominant peak(s) not indicative of petroleum hydrocarbons
G6	Contains recognizable contaminant peak(s) which has been removed from quantitation
G7	Is mainly a match to hydrocarbons within the range of gasoline
G8	Closely resembles the boiling point hydrocarbon profile consistent with weathered gasoline
G9	Includes hydrocarbons within the range of kerosene
J	Estimated value
M	Matrix effect
M1	Manual integration: integration does not follow baseline
M2	Manual integration: non-target peak interference
M3	Manual integration: to split a peak that was integrated as one peak by the computer
M4	Manual integration: to integrate a split peak
M5	Manual integration: the whole peak or part of the peak was not integrated
M6	Manual integration: computer integrated wrong peak
M7	Manual integration: other - explain
MDL	Method detection limit
ND	Not detected
NT	Non-target
Q	Acceptance criteria not met
T1 I	Includes wide range of hydrocarbons not indicative of diesel
T1 M	Is mainly wide range of hydrocarbons not necessarily indicative of diesel
T2 I	Includes lower boiling hydrocarbons, i.e. mineral spirits, kerosene, stoddard solvent, white gas
T2 M	Is mainly lower boiling hydrocarbons, i.e. mineral spirits, kerosene, stoddard solvent, white gas
T3 I	Includes higher boiling hydrocarbons, i.e. asphaltene, waster oil, motor oil, or weathered diesel fuel
T3 M	Is mainly higher boiling hydrocarbons, i.e. asphaltene, waster oil, motor oil, or weathered diesel fuel
T4 I	Includes dominant peak(s) not indicative of hydrocarbons
T4 M	Is mainly dominant peak(s) not indicative of hydrocarbons
T5	Contains recognizable contaminant peak(s) which has been removed from quantitation
T6	Is mainly a match to hydrocarbons within range of diesel fuel
T7	Closely resembles the boiling point hydrocarbon profile consistent with diesel fuel
T8	Includes a match to hydrocarbon profiles within range of diesel and kerosene fuel
T9 I	Includes non-diesel hydrocarbons within boiling point range of diesel fuel
T9 M	Is mainly non-diesel hydrocarbons within boiling point range of diesel fuel.
Y	Percent difference between primary and confirmation column > 40%

CHAIN OF CUSTODY,
ARF, CRF, AND
CLIENT COMMUNICATION

APPL - Analysis Request Form 66795

Client: **Environet, Inc.**
Address: **650 Iwilei Rd, #204**
Honolulu, HI 96817
Attn: **Max Solmssen**
Phone: **808-833-2225** Fax: **808-833-2231**
Job: **RED HILL/1022-015**
PO #: **1022-015**
Chain of Custody (Y/N): **Y** # **33005**
RAD Screen (Y/N): **Y** pH (Y/N): **N**
Turn Around Type: **2 WEEKS**

Received by: **TBV**
Date Received: **01/25/12** Time: **10:55**
Delivered by: **FED EX**
Shuttle Custody Seals (Y/N): **N** Time Zone:
Chest Temp(s): **2.5,2.5°C**
Color: **VOA,M-PURPINK,R-OYEL**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Cynthia Clark**
QC Report Type: **DVP4/ADRDOD/HI**
Due Date: **02/08/12**

Comments:
14 day TAT for Form 1s & 30 day TAT for full package.
OSDas@, MSolmssen@ & VDupra@environetinc.com
1 pdf on CD or FTP (no hard copy), NO hard copy to LDC per Stacy 2-24-11
Guidance: DOD QSM, DoD Forms, J flag to DL, U flag at LOD
EDD ADR A1/A3 (ADR 8.3a unchecked) to Osdas@ VDupra@ & MSolmssen@environetinc.com
metals 6020: report Lead with 0.5ug/L RL
TPH-Diesel only; VOCs: include gasoline by 8260B
Metals lab filter & preserve

Sample Distribution: 2.17
GC: 3-$SIMHC12W, 3-$TPETD2
Extractions: 3-_SEP004S, 3-_SEP011
VOA: 4-$86RHBF 2.12
Metals: 3-$602D(Pb) 2-2
Other: 3-_M3015

Charges:

Invoice To:
same

	Client ID	APPL ID	Sampled	Analyses Requested
1.	ES057	AY53666W	01/24/12 11:07	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2 -- un-preserved VOA vials
2.	ES058	AY53667W	01/24/12 13:00	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2 -- un-preserved VOA vials
3.	ES059	AY53668W	01/24/12 08:30	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2 -- un-preserved VOA vials
4.	TRIP BLANK	AY53669W	01/24/12 00:01	$86RHBF -- un-preserved VOA vials

Note: All times, excluding sample collection times, are Pacific Time Zone unless noted otherwise. Collection times are in:

APPL Sample Receipt Form

ARF# **66795**

Sample	Container Type	Count	pH
AY53666	[2] PL 500mL	1	NA
	[15] VOAs - NP	3	NA
	[17] Amber Liter	4	NA
AY53667	[2] PL 500mL	1	NA
	[15] VOAs - NP	3	NA
	[17] Amber Liter	4	NA
AY53668	[2] PL 500mL	1	NA
	[15] VOAs - NP	3	NA
	[17] Amber Liter	4	NA
AY53669	[15] VOAs - NP	3	NA

Sample	Container Type	Count	pH

66795
2.5
2.5
2.5

CHAIN OF CUSTODY RECORD

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611

Phone: (559) 275-2175
Fax: (559) 275-4422

C.O.C. 33005

Report to: Max Solmssen PLEASE PRINT
Company Name: Environet, Inc Phone: 808-833-2225
Address: 650 Iwilei RD, suite 204 Fax: 808-833-2231
Honolulu, HI 96817
Attn: Max Solmssen

Invoice to: PLEASE PRINT
Company Name: Environet, Inc. Phone: 808-833-2225
Address: 650 Iwilei RD, Suite 204 Fax: 808-833-2231
Honolulu, HI 96817
Attn: Accounts Payable

Project Name/Number: RedHill/1022-015
Purchase Order Number:
Sampler (Print): Max Solmssen
Sampler (Signature): James Terry

Date Shipped: 1/24/12
Carrier: FEDEX
Waybill No.: 8993 7509 1476
Comments: * Lead samples are unfiltered. Please filter at lab upon arrival.

Sample Identification	Location	Date Collected	Time Collected	No. of Containers	Matrix: Aq	Sed.	Soil	VOCs (8260B)	TPH-G (8260B)	TPH-D (8015B)	PAHs (8270C SIM)	Dissolved *Lead (6020)	Analysis Requested/Method Number
ES057	RHSF	1/24/12	1107	8	X			X	X	X	X	X	
ES058	↓	↓	1300	8	X			↓	↓	↓	↓	↓	
ES059	↓	↓	830	8	X			↓	↓	↓	↓	↓	
trip blank				3	X			X	X				

Bottle Temperature:

Turnaround Requested: MUST CHECK ONE
☒ Standard (2-3 week) ☐ One week ☐ 24-48 hour

Sample Disposal:
☐ Return to client ☐ Disposal by Lab (30-day retention)

Relinquished by sampler:	Date	Time	Received by:	Relinquished by:	Date	Time	Received by:
	1/24/12	1410					
Relinquished by: MS	Date 1/24/12	Time 1410	Received by:	Relinquished by:	Date 1/25/12	Time 1055	Received at lab by:

Note: Return to client with report Yellow: Laboratory Copy Pink: Sampler

See reverse side for Container Preservative and Sampling Information

COOLER RECEIPT FORM

1) Project: LTM Red Hill Bulk Fuel Storage Facility Date Received: 1/25/12

2) Coolers: Number of Coolers: 2

3) (YES) NO Were coolers and samples screened for radioactivity?

4) YES (NO) Were custody seals on outside of cooler? How many?_____Date on seal? _____

5) Name on seal?_____

6) YES NO (NA) Were custody seals unbroken and intact at the time of arrival?

7) (YES) NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex

8) Shipping slip numbers:1) MASTER 2) 899397509 1476 3)_____

9) (YES) NO NA Was the shipping slip scanned into the database?

10) YES (NO) NA If cooler belongs to APPL, has it been logged into the ice chest database?

11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): bubble bag in wet ice

12) YES NO (NA) For hand delivered samples was sufficient ice present to start the cooling process?

13) (YES) NO Was a temperature blank included in the cooler?

14) Serial number of certified NIST thermometer used: A39267 Correction factor: 0

15) Cooler temp(s): 1) 2.5°C 2) 2.5°C 3)_____4)_____5)_____6)_____7)_____8)_____

Chain of custody:

16) (YES) NO Was a chain of custody received?

17) (YES) NO Were the custody papers signed in the appropriate places?

18) (YES) NO Was the project identifiable from custody papers?

19) (YES) NO Did the chain of custody include date and time of sampling?

20) (YES) NO Is location where sample was taken listed on the chain of custody?

Sample Labels:

21) (YES) NO Were container labels in good condition?

22) (YES) NO Was the client ID on the label?

23) (YES) NO Was the date of sampling on the label?

24) (YES) NO Was the time of sampling on the label?

25) (YES) NO Did all container labels agree with custody papers?

Sample Containers:

26) (YES) NO Were all containers sealed in separate bags?

27) (YES) NO Did all containers arrive unbroken?

28) YES (NO) Was there any leakage from samples?

29) YES (NO) Were any of the lids cracked or broken?

30) (YES) NO Were correct containers used for the tests indicated?

31) (YES) NO Was a sufficient amount of sample sent for tests indicated?

32) YES (NO) NA Were bubbles present in volatile samples? If yes, the following were received with air bubbles:

Larger than a pea: _____

Smaller than a pea: _____

Preservation & Hold time:

33) (YES) NO NA Was a sufficient amount of holding time remaining to analyze the samples?

34) YES NO (NA) Do the sample containers contain the same preservative as what is stated on the COC?

35) YES NO (NA) Was the pH taken of all non-VOA preserved samples and written on the sample container?

36) YES NO (NA) Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 12?

37) (YES) NO NA Unpreserved VOA Vials received? _____

38) (YES) NO NA Are unpreserved VOA vials noted in the ADD TEST FIELD on the ARF? _____

Lab notified if pH was not adequate: Metals filter and preserved. 1-25-12

Deficiencies:_____

Signature of personnel receiving samples: Yang Zu Second reviewer: _____

Signature of project manager notified:_____Date and Time of notification:_____

Name of client notified:_____Date and Time of notification:_____

Information given to client:_____

_____ by whom (initials): _____

EPA 8015 Modified
Total Petroleum Hydrocarbons

EPA 8015 Modified
Total Petroleum Hydrocarbons
QC Summary

Method Blank
TPH Diesel Water

Blank Name/QCG: **120126W-53666 - 163455**
Batch ID: #TPETD-120126A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL FUEL	80.8 U	150	80.8	40.4	ug/L	01/26/12	01/30/12
BLANK	LUBE OIL	212.0 U	500	212.0	106.0	ug/L	01/26/12	01/30/12
BLANK	SURROGATE: OCTACOSANE (S)	89.2	28-142			%	01/26/12	01/30/12
BLANK	SURROGATE: ORTHO-TERPHEN	89.9	57-132			%	01/26/12	01/30/12

Quant Method: TPH110.M
Run #: 126028
Instrument: Apollo
Sequence: 120126
Initials: MA

GC SC-Blank-REG MDLs
Printed: 01/31/12 10:46:41 AM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/30/12

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
120126A-BLK	Blank	28-142	89.2		57-132	89.9	
120126A-LCS	Lab Control Spike	28-142	82.7		57-132	114	
AY53666	ES057	28-142	96.4		57-132	95.8	
AY53667	ES058	28-142	84.7		57-132	78.4	
AY53668	ES059	28-142	106		57-132	92.5	

Comments: Batch: #TPETD-120126A

Laboratory Control Spike Recovery

TPH Diesel Water

APPL ID: **120126W-53666 LCS - 163455**
Batch ID: #TPETD-120126A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
DIESEL FUEL	2000	1820	91.0	61-143
LUBE OIL	2000	1790	89.5	61-143
SURROGATE: OCTACOSANE (S)	150	124	82.7	28-142
SURROGATE: ORTHO-TERPHENYL (S)	150	171	114	57-132

Comments:

Primary	SPK
Quant Method :	TPH110.M
Extraction Date :	01/26/12
Analysis Date :	01/30/12
Instrument :	Apollo
Run :	126029
Initials :	MA

Printed: 01/31/12 10:46:44 AM

APPL Standard LCS

EPA 8015B-e

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/30/12

Matrix: WATER Instrument: Apollo

Blank ID: 120126A-BLK Time Analyzed: 1625

APPL ID.	Client Sample No.	File ID.	Date Analyzed
120126A-BLK	Blank	126028	01/30/12 1625
120126A-LCS	Lab Control Spike	126029	01/30/12 1649
AY53666	ES057	126038	01/30/12 2022
AY53667	ES058	126039	01/30/12 2046
AY53668	ES059	126040	01/30/12 2110

Comments: Batch: #TPETD-120126A

EPA 8015 Modified
Total Petroleum Hydrocarbons
Sample Data

TPH Diesel Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Stacey Fineran
Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES057

APPL ID: AY53666

Sample Collection Date: 01/24/12

QCG: #TPETD-120126A-163455

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	80.8 U	150	80.8	40.4	ug/L	01/26/12	01/30/12
EPA 8015B-	LUBE OIL	212.0 U	500	212.0	106.0	ug/L	01/26/12	01/30/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	96.4	28-142			%	01/26/12	01/30/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	95.8	57-132			%	01/26/12	01/30/12

Quant Method: TPH110.M
Run #: 126038
Instrument: Apollo
Sequence: 120126
Dilution Factor: 1
Initials: MA

Printed: 01/31/12 10:47:06 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

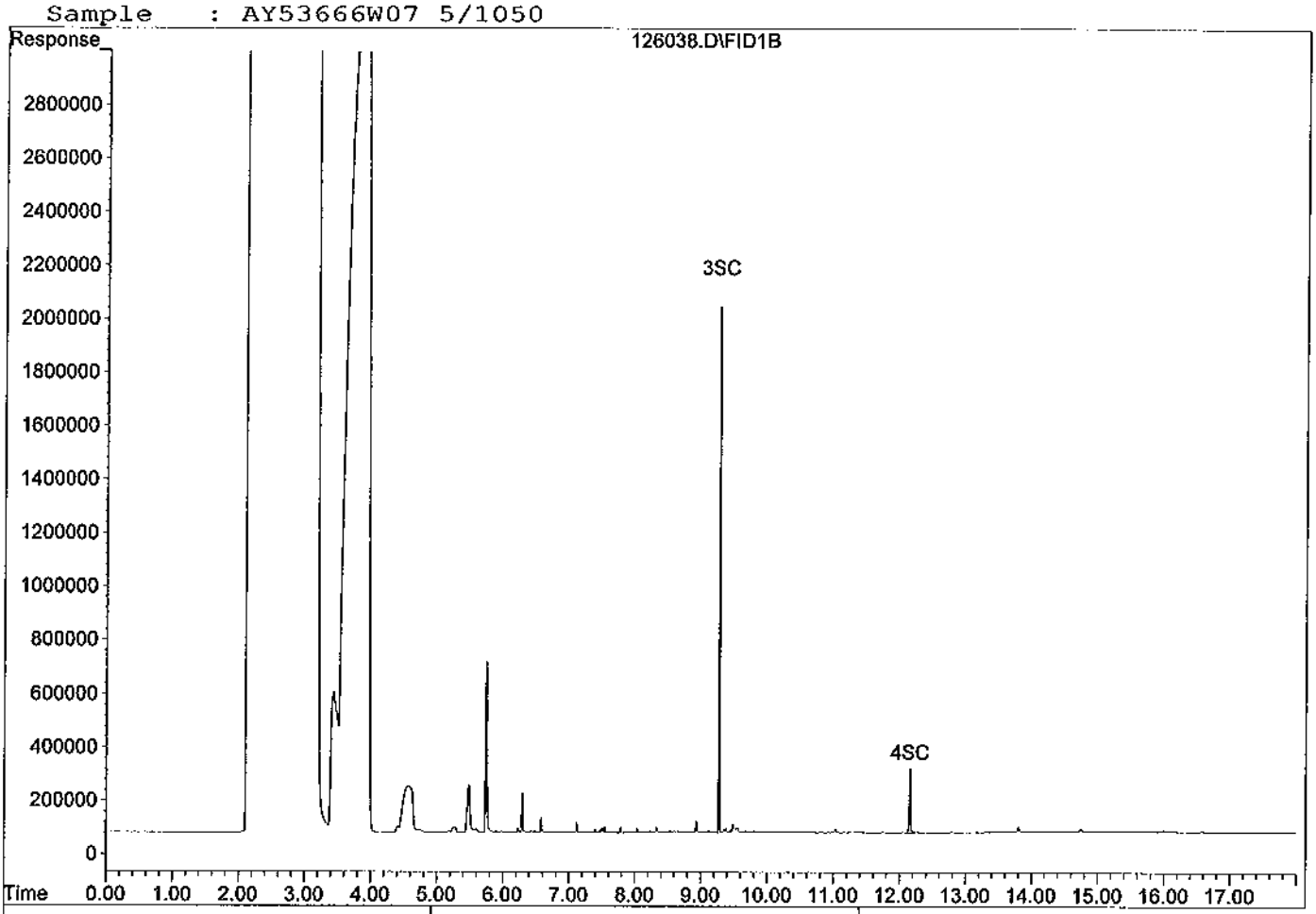
Data File : G:\APOLLO\DATA\120126\126038.D Vial: 38
Acq On : 1-30-12 20:22:50 Operator: LAC
Sample : AY53666W07 5/1050 Inst : Apollo
Misc : Water Multiplr: 4.76
IntFile : events.e
Quant Time: Jan 31 9:51 2012 Quant Results File: TPH110.RES

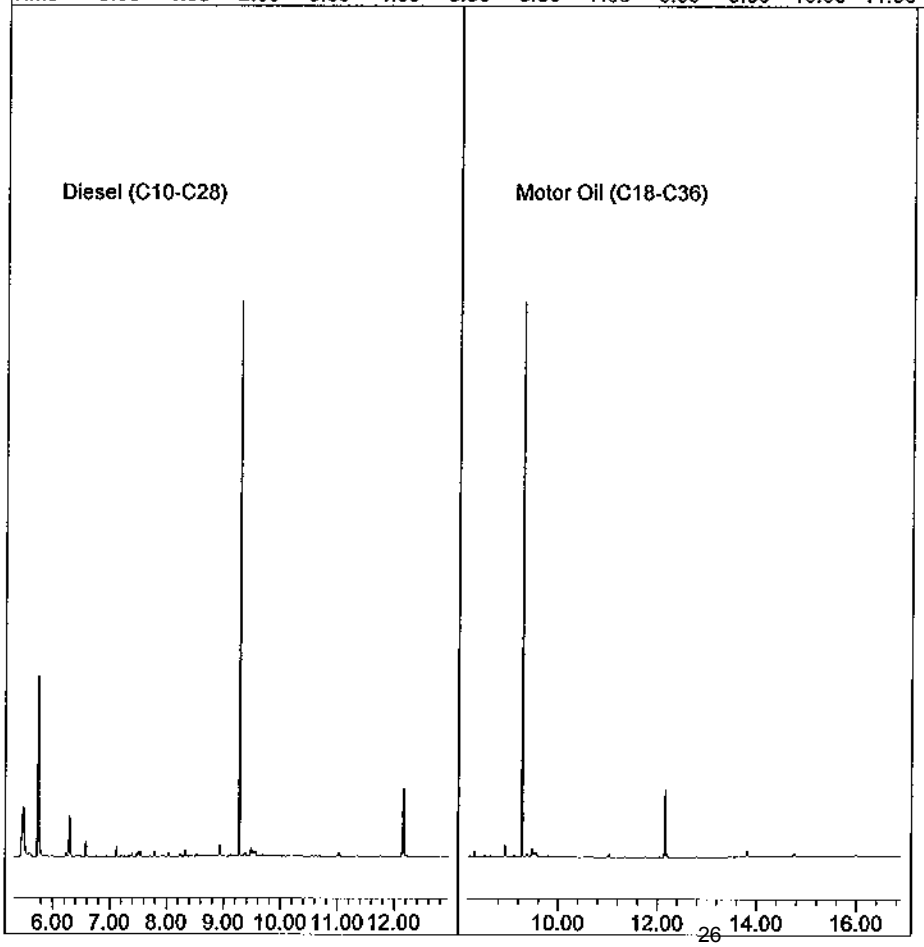
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.27	12671041	136.920 ppb
Surrogate Spike 142.857		Recovery =	95.84%
4) SC Octacosane(S)	12.16	3308046	137.666 ppb
Surrogate Spike 142.857		Recovery =	96.37%
Target Compounds			

Data File: G:\APOLLO\DATA\120126\126038.D
Sample : AY53666W07 5/1050





TPH Diesel Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES058

APPL ID: AY53667

Sample Collection Date: 01/24/12

QCG: #TPETD-120126A-163455

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	80.8 U	150	80.8	40.4	ug/L	01/26/12	01/30/12
EPA 8015B-	LUBE OIL	212.0 U	500	212.0	106.0	ug/L	01/26/12	01/30/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	84.7	28-142			%	01/26/12	01/30/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	78.4	57-132			%	01/26/12	01/30/12

Quant Method: TPH110.M
Run #: 126039
Instrument: Apollo
Sequence: 120126
Dilution Factor: 1
Initials: MA

Printed: 02/17/12 10:37:21 AM

APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

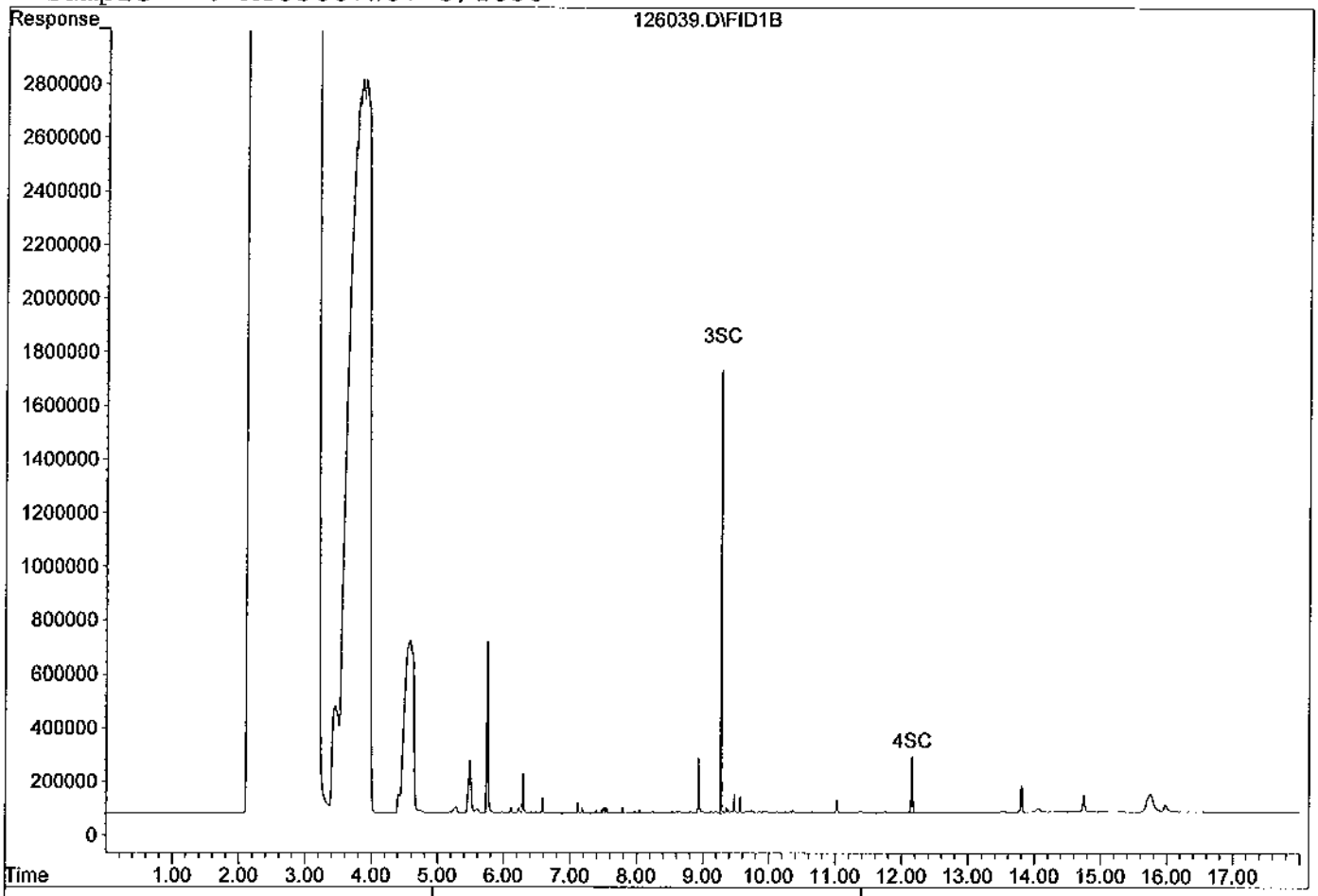
Data File : G:\APOLLO\DATA\120126\126039.D Vial: 39
Acq On : 1-30-12 20:46:29 Operator: LAC
Sample : AY53667W07 5/1050 Inst : Apollo
Misc : Water Multiplr: 4.76
IntFile : events.e
Quant Time: Feb 17 10:34 2012 Quant Results File: TPH110.RES

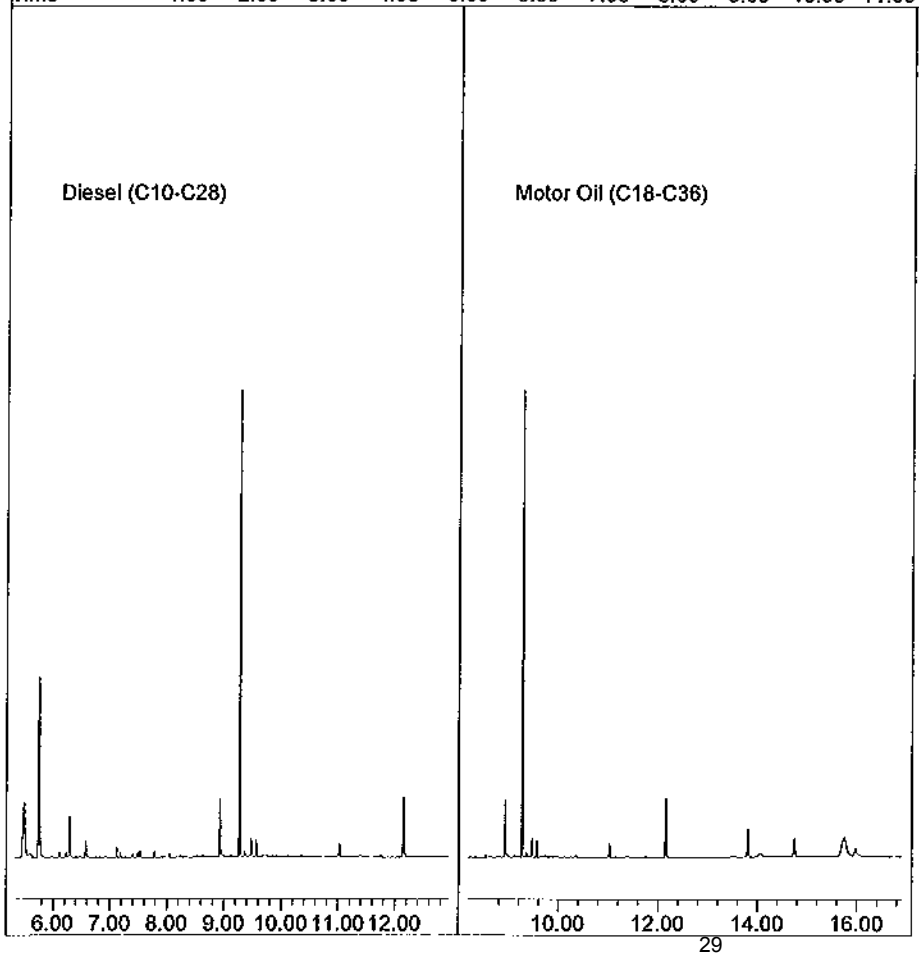
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.27	10368282	112.037 ppb
Surrogate Spike 142.857		Recovery =	78.43%
4) SC Octacosane(S)	12.16	2906296	120.947 ppb
Surrogate Spike 142.857		Recovery =	84.66%
Target Compounds			

Data File: G:\APOLLO\DATA\120126\126039.D
Sample : AY53667W07 5/1050





TPH Diesel Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES059

APPL ID: AY53668

Sample Collection Date: 01/24/12

QCG: #TPETD-120126A-163455

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	80.8 U	150	80.8	40.4	ug/L	01/26/12	01/30/12
EPA 8015B-	LUBE OIL	212.0 U	500	212.0	106.0	ug/L	01/26/12	01/30/12
EPA 8015B-	SURROGATE: OCTACOSANE (S)	106	28-142			%	01/26/12	01/30/12
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	92.5	57-132			%	01/26/12	01/30/12

Quant Method: TPH110.M
Run #: 126040
Instrument: Apollo
Sequence: 120126
Dilution Factor: 1
Initials: MA

Printed: 02/17/12 10:37:21 AM

APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\120126\126040.D Vial: 40
Acq On : 1-30-12 21:10:09 Operator: LAC
Sample : AY53668W07 5/1050 Inst : Apollo
Misc : water Multiplr: 4.76
IntFile : events.e
Quant Time: Feb 17 10:34 2012 Quant Results File: TPH110.RES

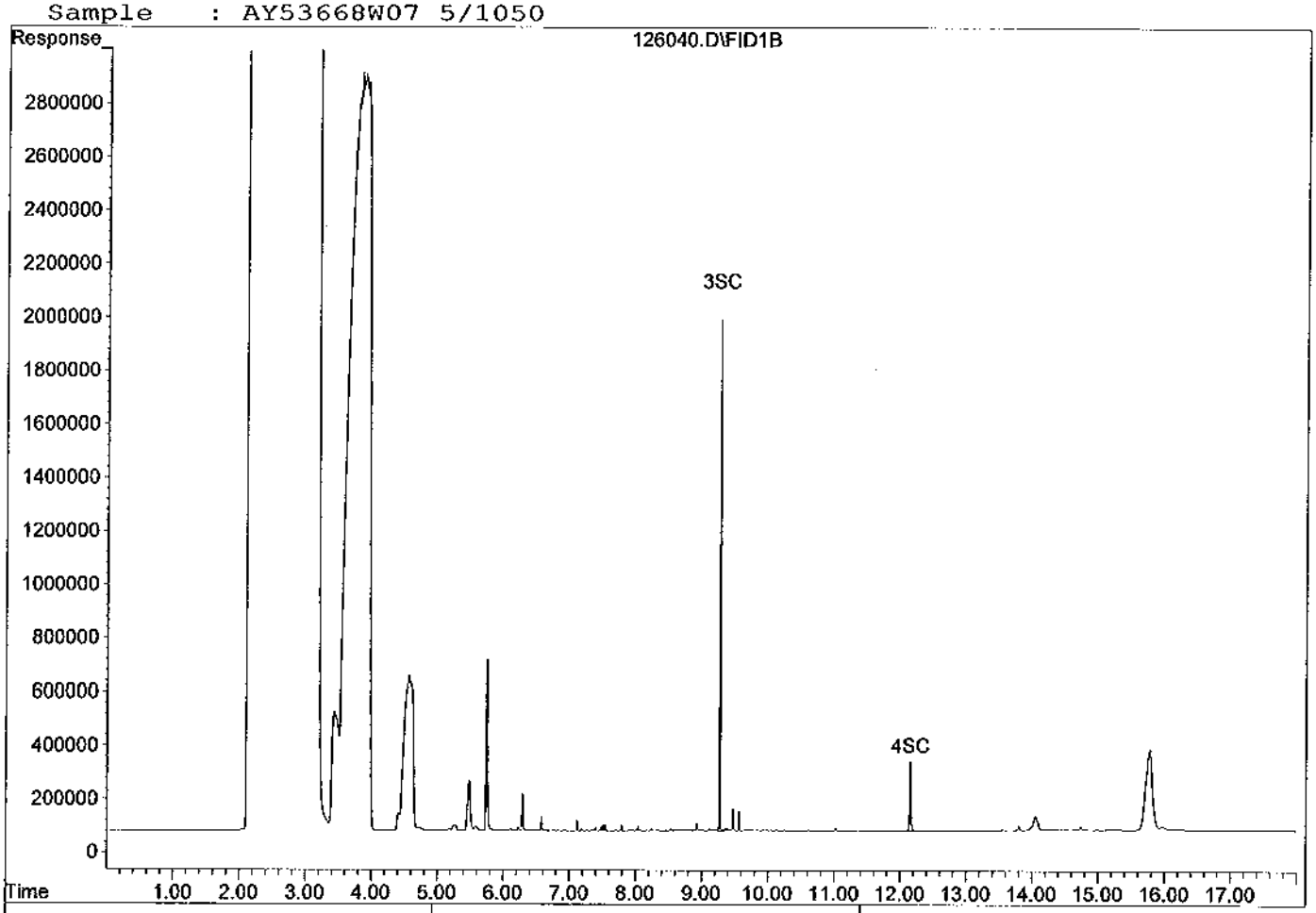
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

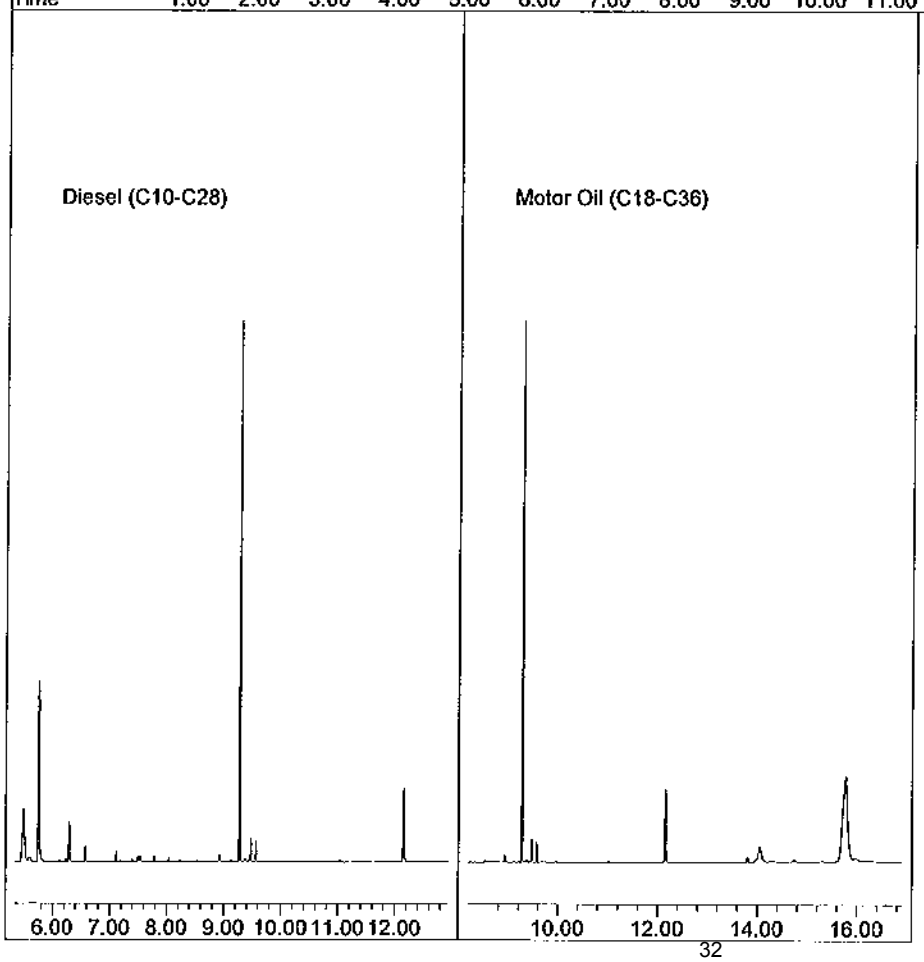
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.27	12234379	132.202 ppb
Surrogate Spike 142.857		Recovery =	92.54%
4) SC Octacosane(S)	12.16	3641238	151.532 ppb
Surrogate Spike 142.857		Recovery =	106.07%
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\120126\126040.D
Sample : AY53668W07 5/1050





EPA 8015 Modified
Total Petroleum Hydrocarbons

Calibration Data

TPH Extractables
TPH110

Form 6
Initial Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 66795
Initial Cal. Date: 01/10/12
Instrument: Apollo

Initials: MA

Diesel	110005.D	110006.D	110007.D	110008.D	110009.D	110010.D	
Motor oil	110011.D	110012.D	110013.D	110014.D	110015.D	110016.D	
surrogates	110018.D	110019.D	110020.D	110021.D	110022.D	110023.D	

		Compound	1	2	3	4	5	6					Avg	%RSD		
1	HATML	Diesel (C10-C28)	301375	187119	180263	180711	181942	183406					202470	24	HATML	1.000
2	HBTM	Motor Oil (C18-C36)	73318	66482	78358	85039	88255	92384					80639	12	HBTM	
3	SC	Ortho-Terphenyl(S)	190742	237568	220390	224376	220235	228734					220341	7.2	SC	
4	SC	Octacosane(S)		57639	56092	56515	56661	59156					57213	2.1	SC	
5																
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1.2968169

Quantitation Report (Not Reviewed)

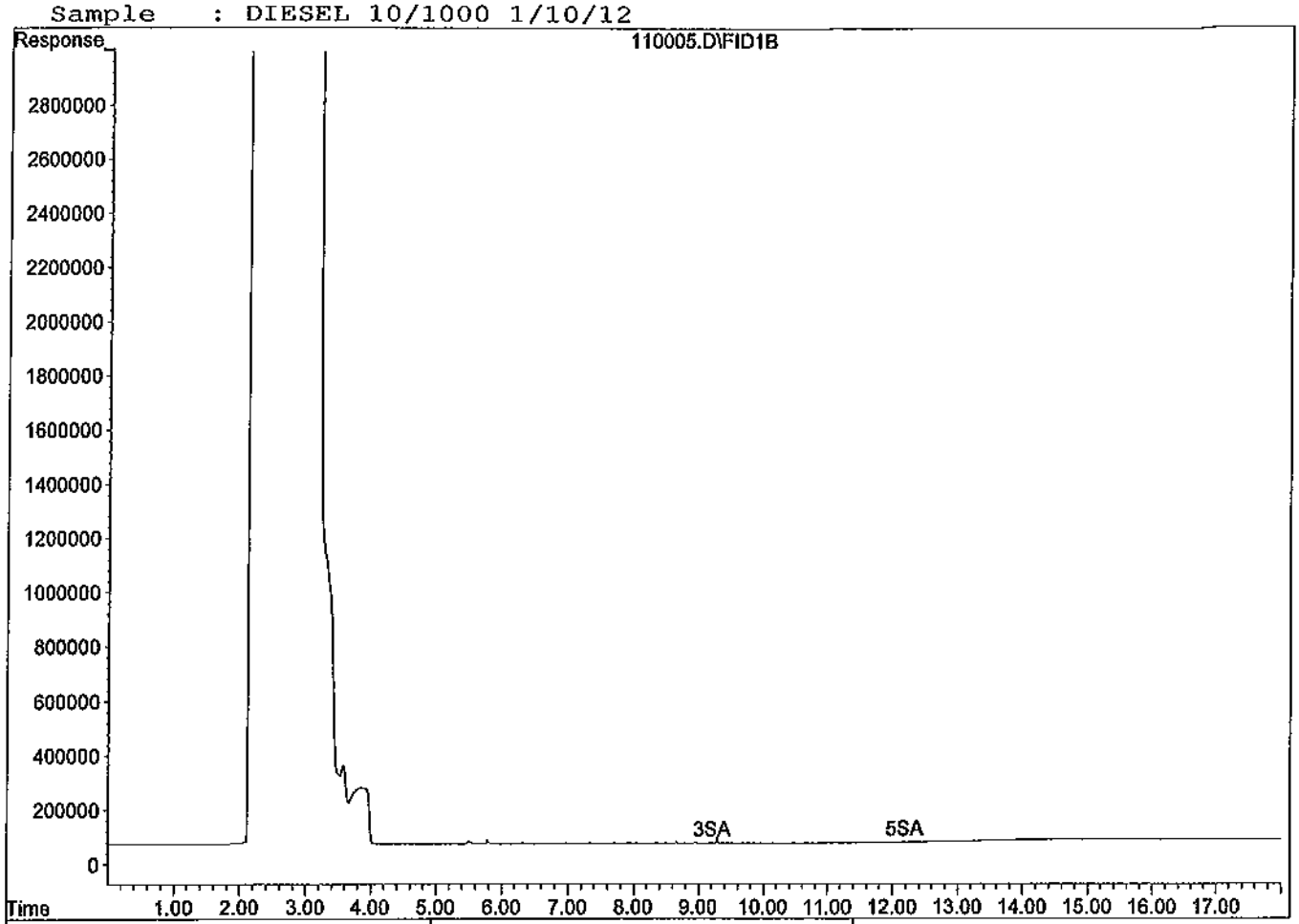
Data File : G:\APOLLO\DATA\120110\110005.D Vial: 5
Acq On : 1-10-12 16:51:33 Operator: LAC
Sample : DIESEL 10/1000 1/10/12 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

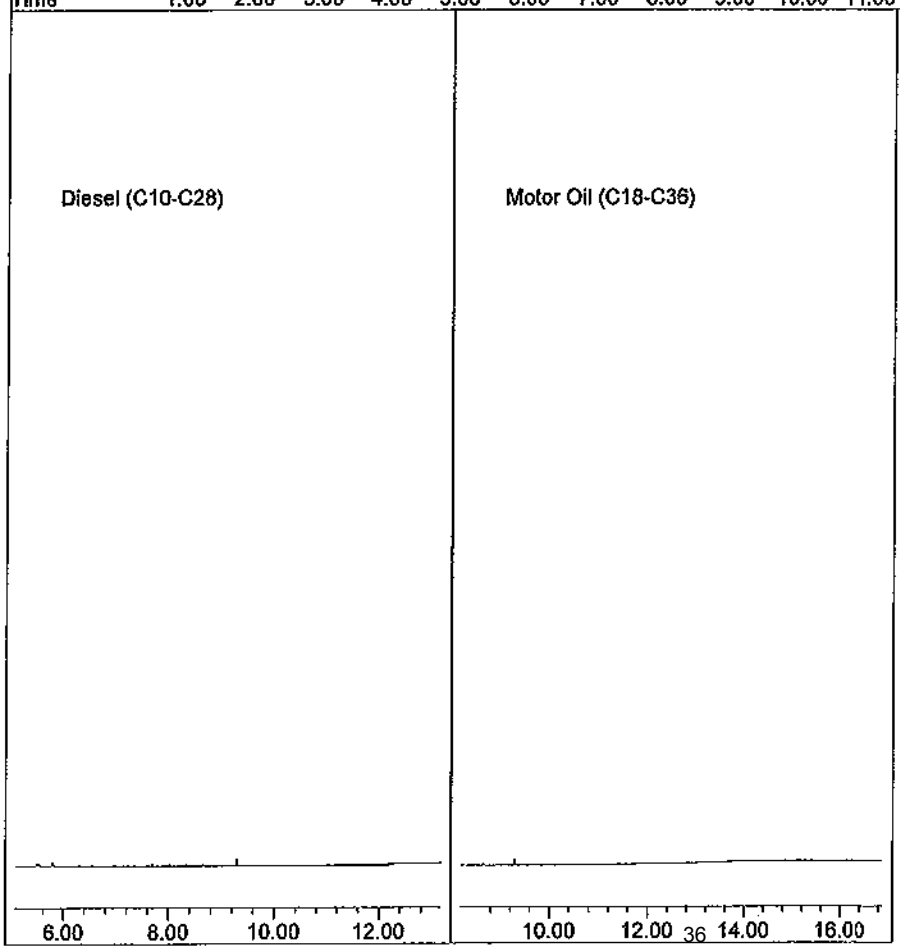
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Not Used(S)	9.21	41035	0.290 ppb
Surrogate Spike 30.000	Recovery	=	0.97%
5) SA Not Used2(S)	12.19	18093	0.172 ppb
Surrogate Spike 30.000	Recovery	=	0.57%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	6027495	14.806 ppb

Data File: G:\APOLLO\DATA\120110\110005.D
Sample : DIESEL 10/1000 1/10/12





Quantitation Report (Not Reviewed)

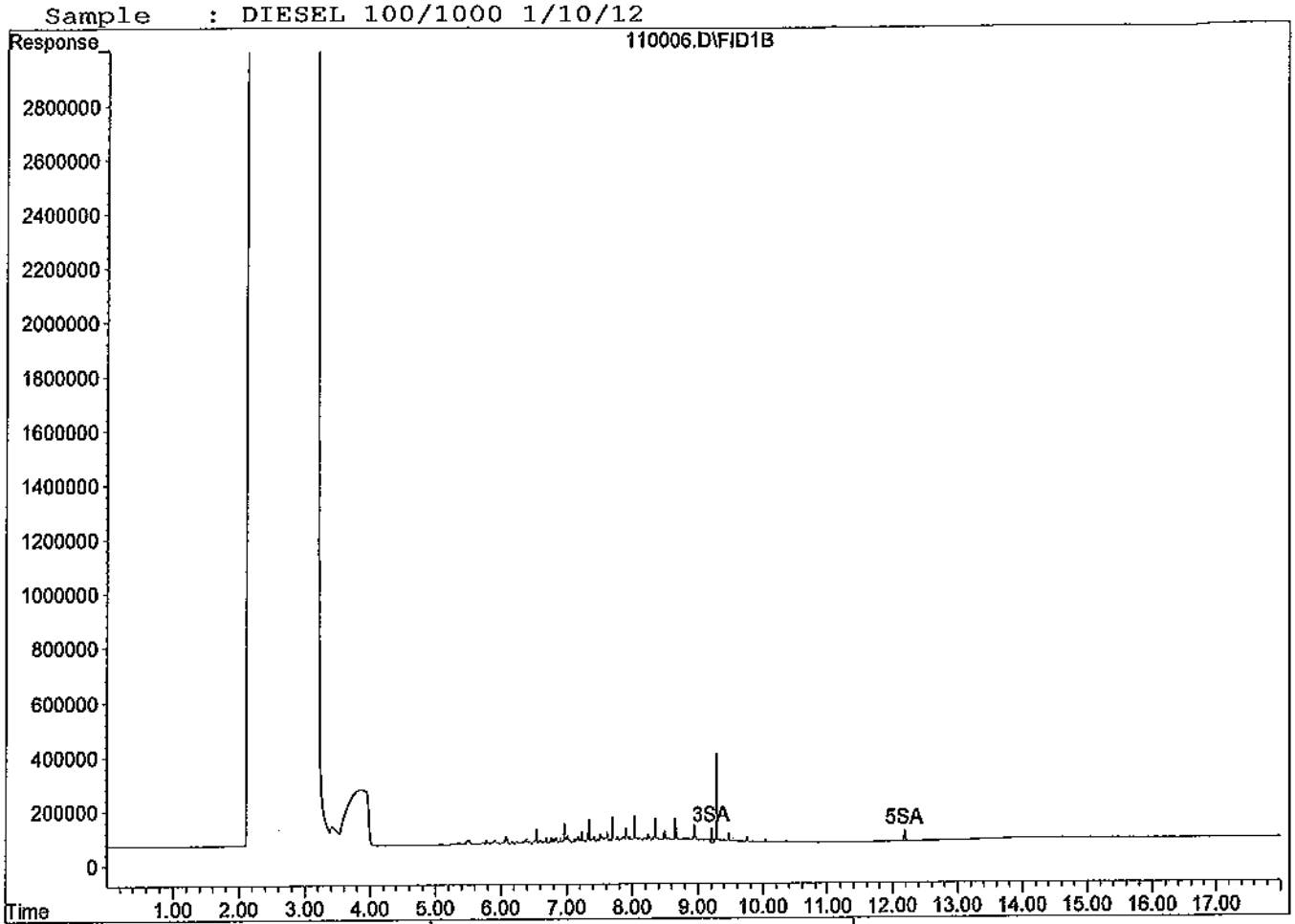
Data File : G:\APOLLO\DATA\120110\110006.D Vial: 6
Acq On : 1-10-12 17:15:27 Operator: LAC
Sample : DIESEL 100/1000 1/10/12 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

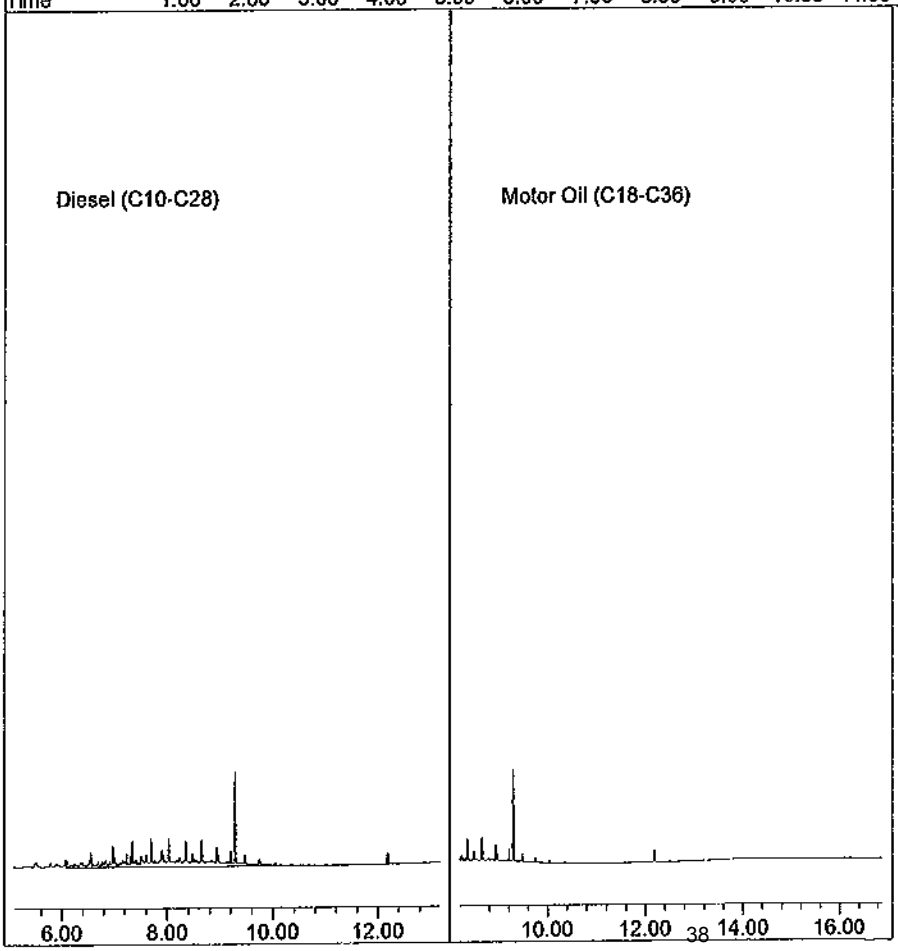
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Not Used(S)	9.21	636812	4.504 ppb
Surrogate Spike 30.000	Recovery	=	15.01%
5) SA Not Used2(S)	12.18	537522	5.110 ppb
Surrogate Spike 30.000	Recovery	=	17.03%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	37423772	101.113 ppb

Data File: G:\APOLLO\DATA\120110\110006.D
Sample : DIESEL 100/1000 1/10/12





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\120110\110007.D Vial: 7
Acq On : 1-10-12 17:39:13 Operator: LAC
Sample : DIESEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

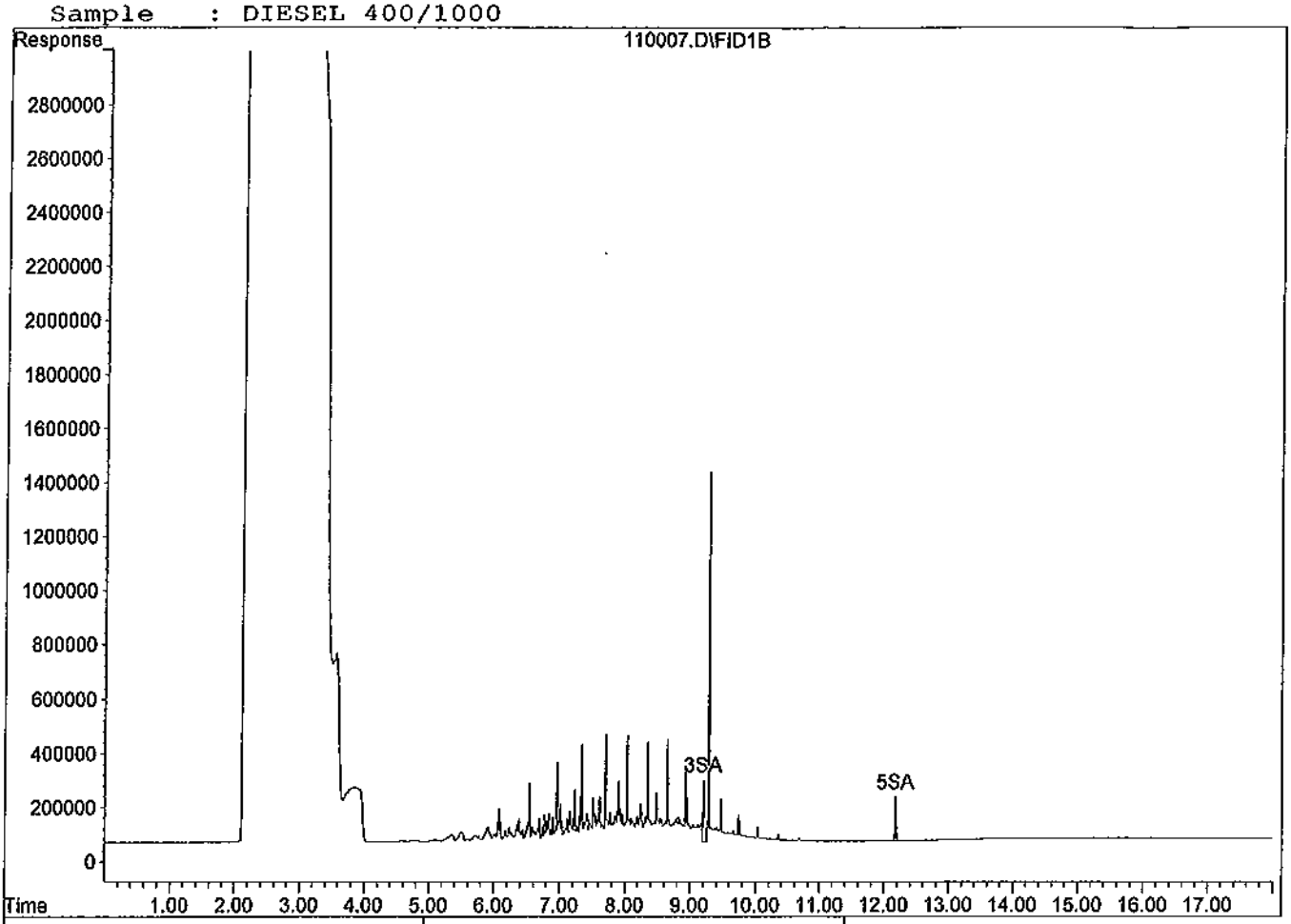
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

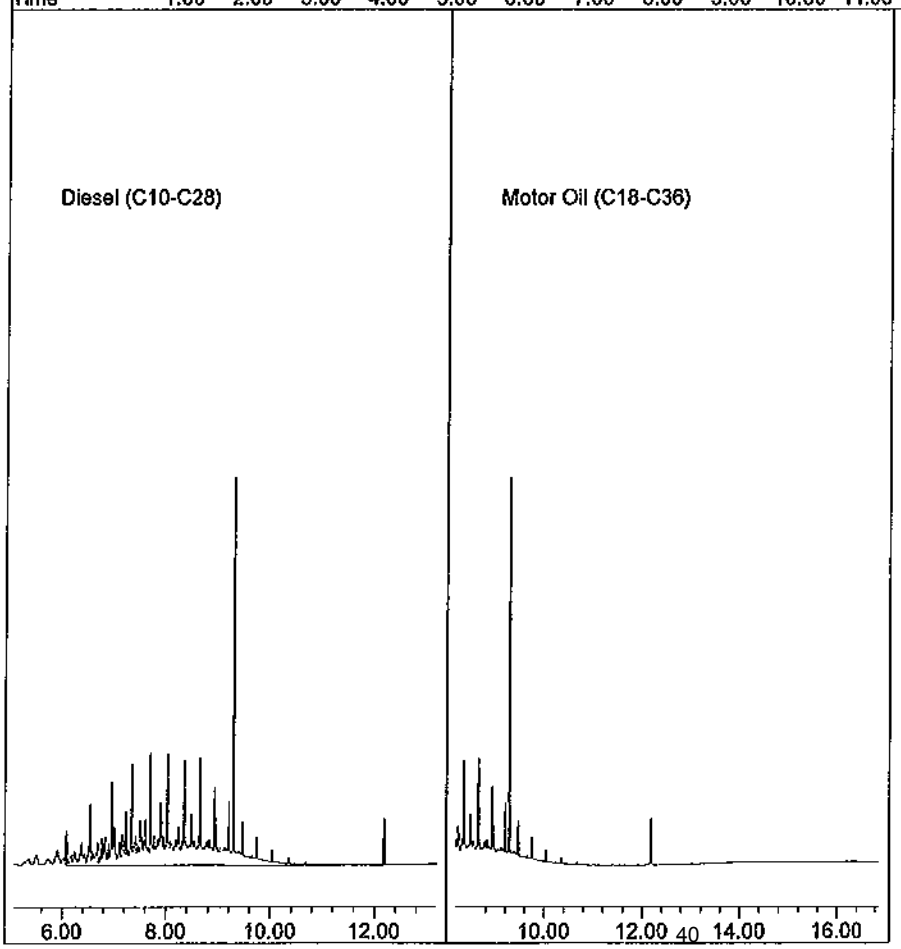
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Not Used(S)	9.21	3041362	21.509 ppb
Surrogate Spike 30.000	Recovery	=	71.70%
5) SA Not Used2(S)	12.18	2048967	19.480 ppb
Surrogate Spike 30.000	Recovery	=	64.93%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	144214362	394.674 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\120110\110007.D
Sample : DIESEL 400/1000





Quantitation Report (Not Reviewed)

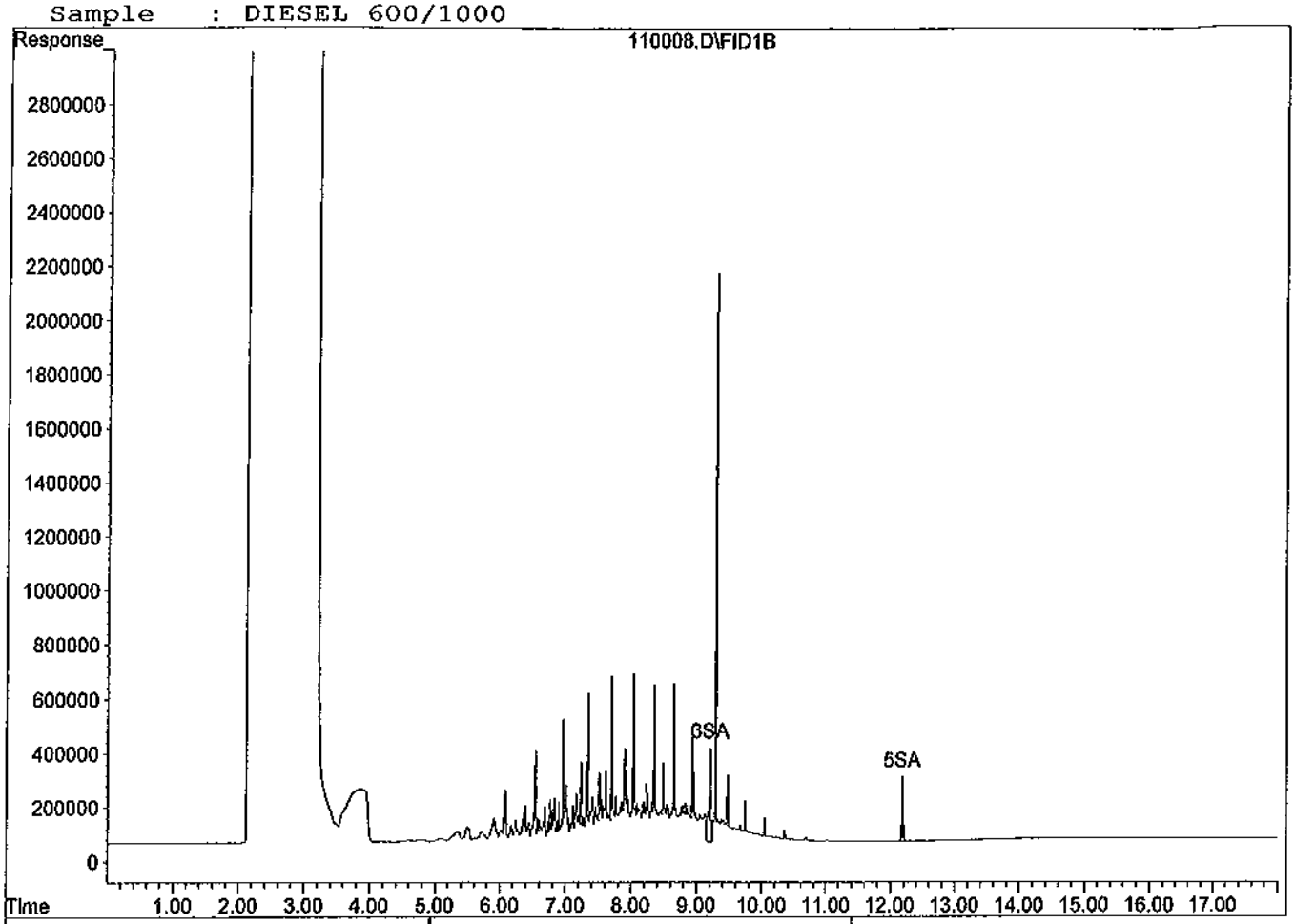
Data File : G:\APOLLO\DATA\120110\110008.D Vial: 8
Acq On : 1-10-12 18:02:56 Operator: LAC
Sample : DIESEL 600/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

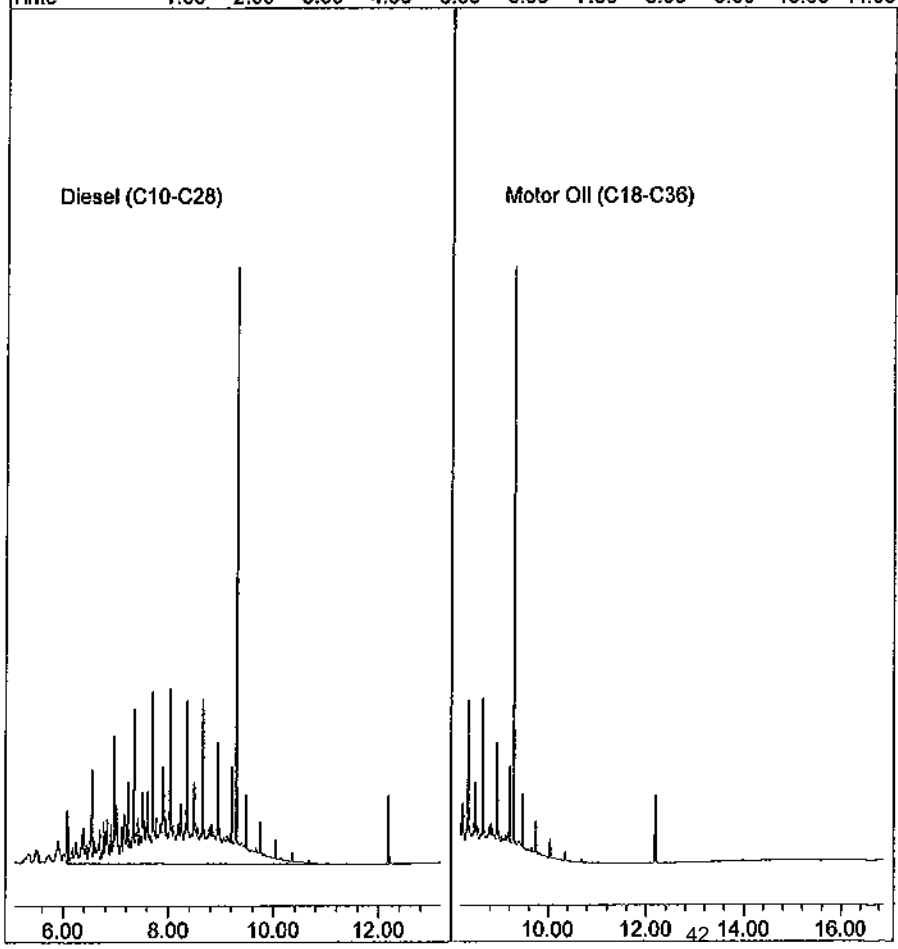
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Not Used(S)	9.21	6362542	44.998 ppb
Surrogate Spike 30.000	Recovery =		149.99%
5) SA Not Used2(S)	12.18	3151704	29.965 ppb
Surrogate Spike 30.000	Recovery =		99.88%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	216853093	594.353 ppb

Data File: G:\APOLLO\DATA\120110\110008.D
Sample : DIESEL 600/1000





Quantitation Report (Not Reviewed)

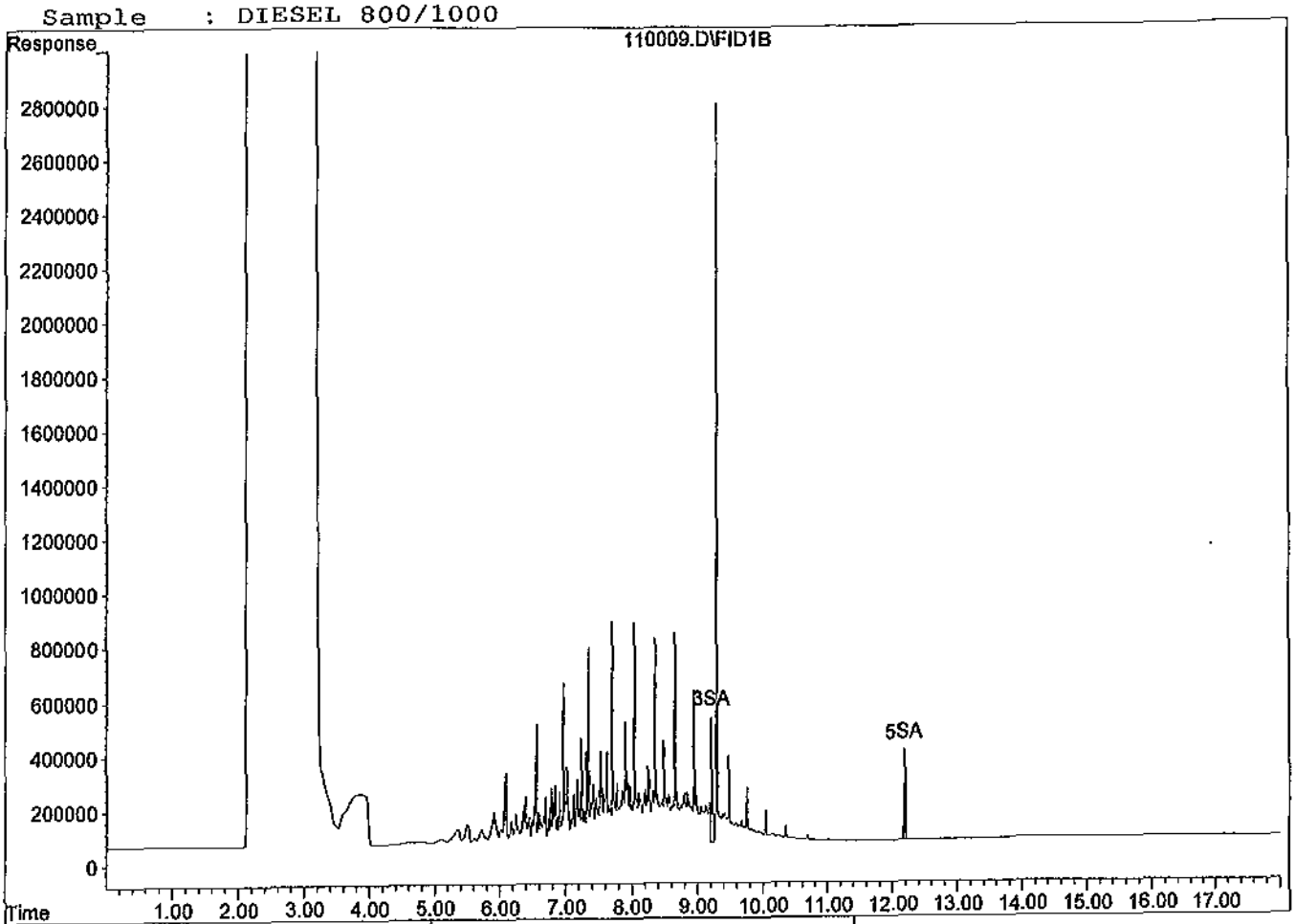
Data File : G:\APOLLO\DATA\120110\110009.D Vial: 9
Acq On : 1-10-12 18:26:41 Operator: LAC
Sample : DIESEL 800/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

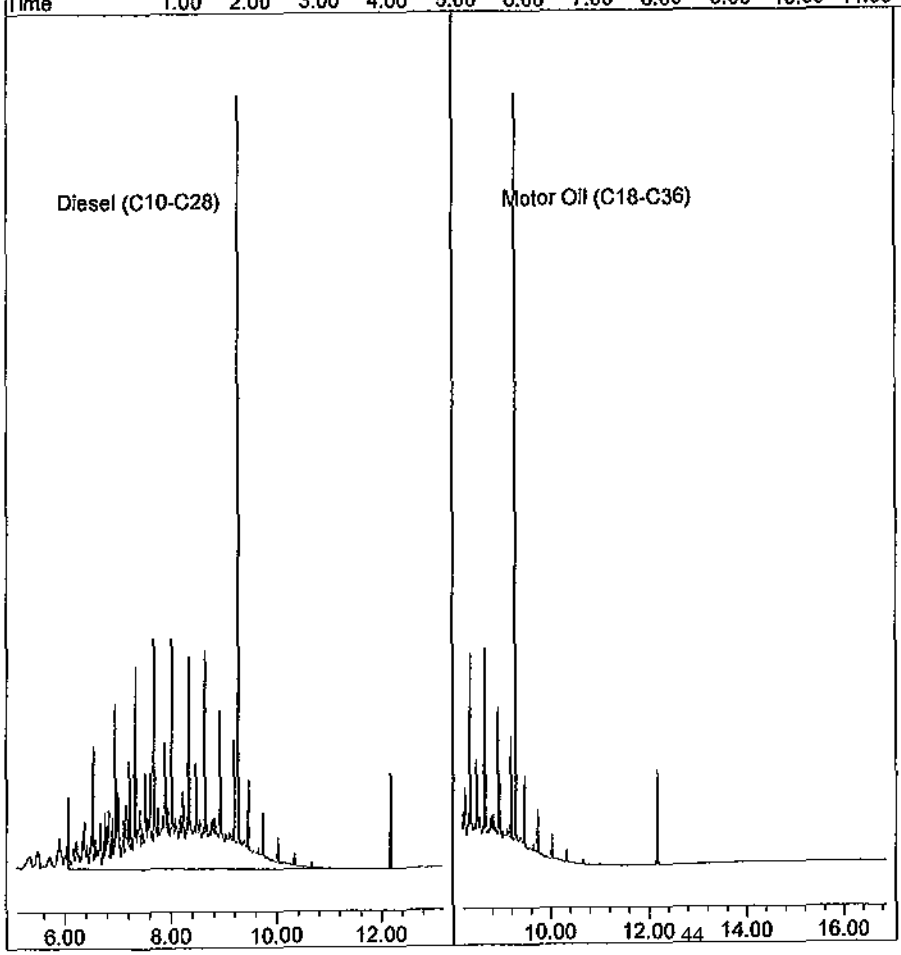
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Not Used(S)	9.21	5459165	38.609 ppb
Surrogate Spike 30.000	Recovery =		128.70%
5) SA Not Used2(S)	12.18	4214185	40.066 ppb
Surrogate Spike 30.000	Recovery =		133.55%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	291107205	798.473 ppb

Data File: G:\APOLLO\DATA\120110\110009.D
Sample : DIESEL 800/1000





Quantitation Report (Not Reviewed)

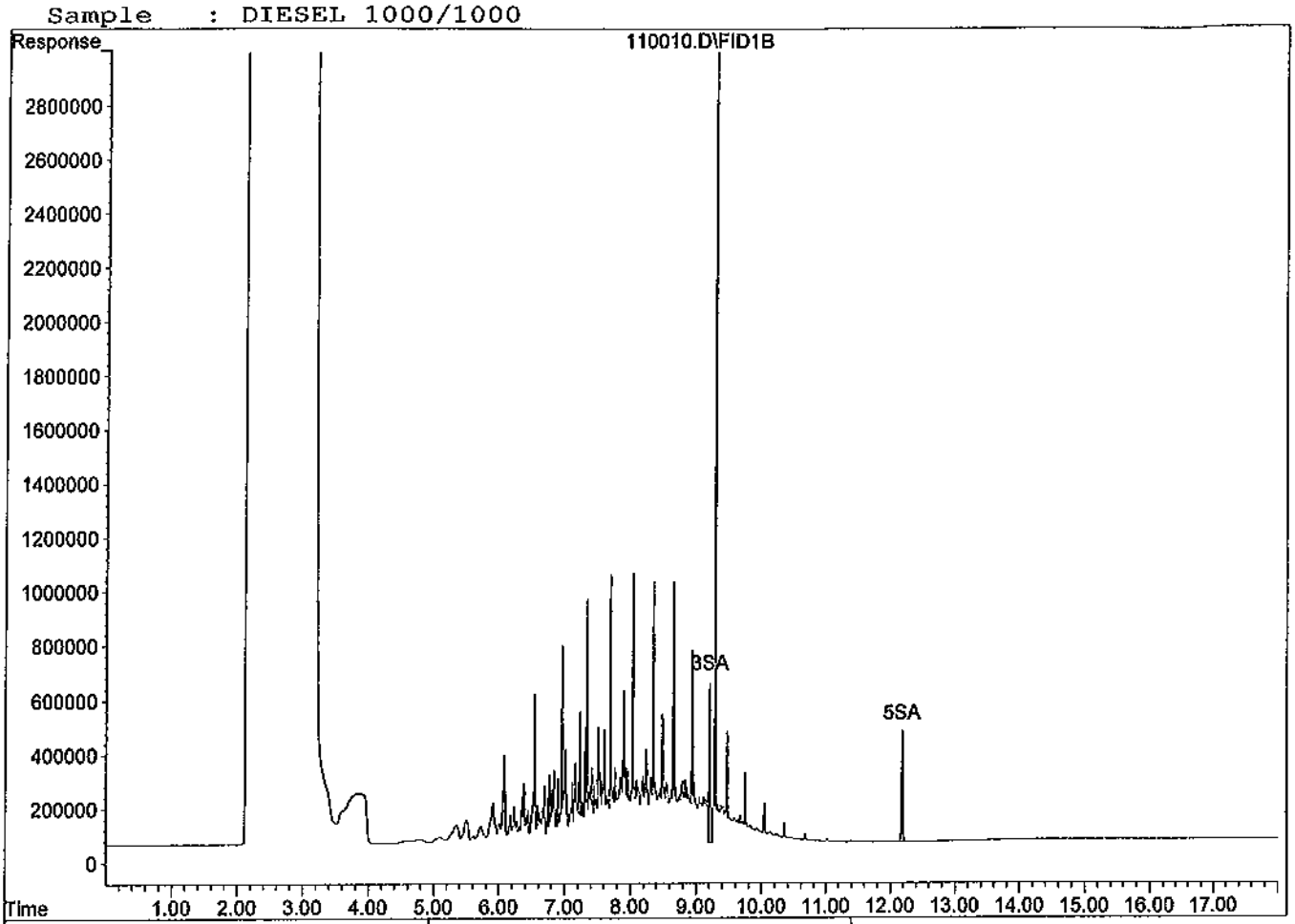
Data File : G:\APOLLO\DATA\120110\110010.D Vial: 10
Acq On : 1-10-12 18:50:21 Operator: LAC
Sample : DIESEL 1000/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

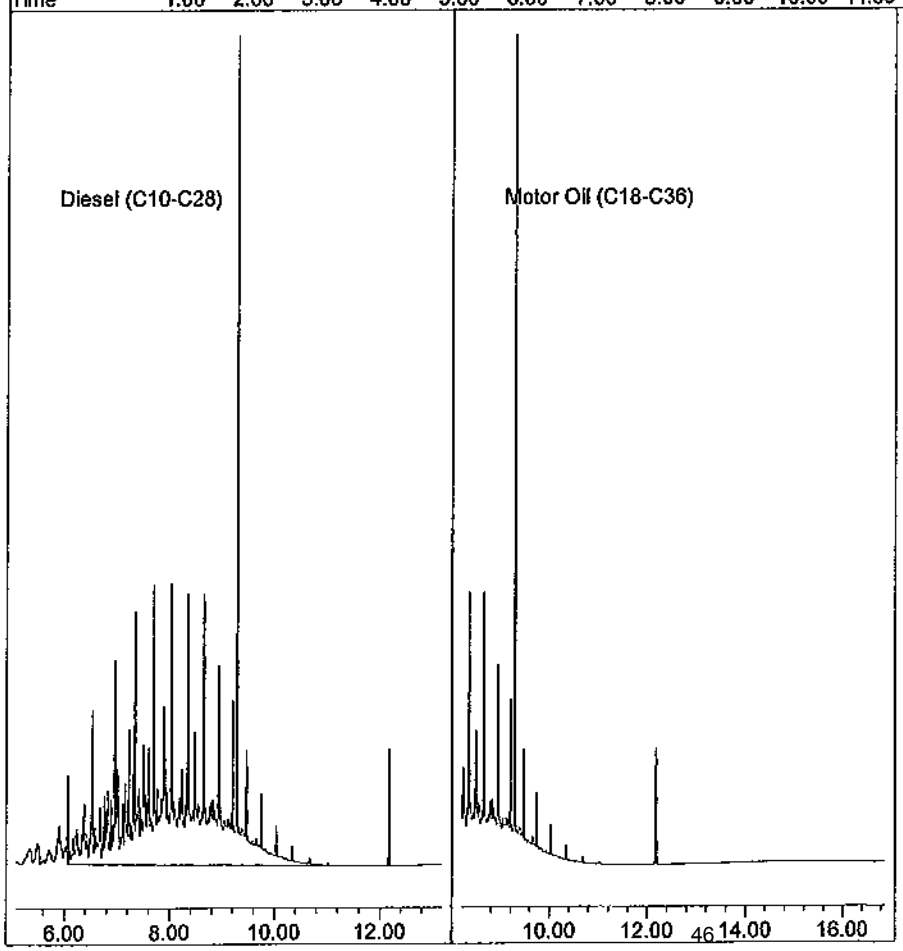
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Not Used(S)	9.21	6915848	48.911 ppb
Surrogate Spike 30.000	Recovery	=	163.04%
5) SA Not Used2(S)	12.18	5277007	50.171 ppb
Surrogate Spike 30.000	Recovery	=	167.24%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	366811636	1006.580 ppb

Data File: G:\APOLLO\DATA\120110\110010.D
Sample : DIESEL 1000/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\120110\110011.D Vial: 11
Acq On : 1-10-12 19:14:04 Operator: LAC
Sample : MOTOR OIL 50/1000 1/10/12 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

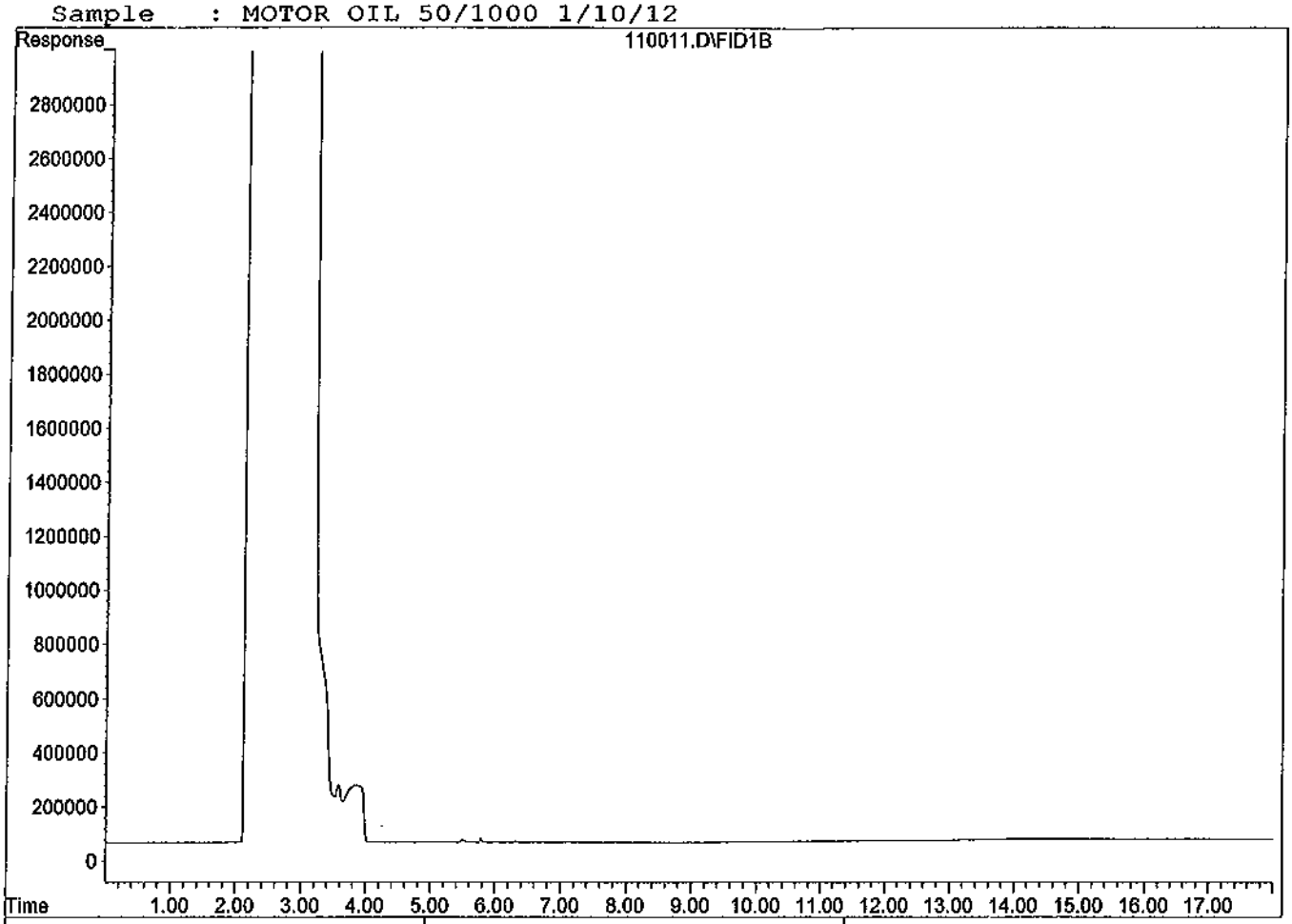
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

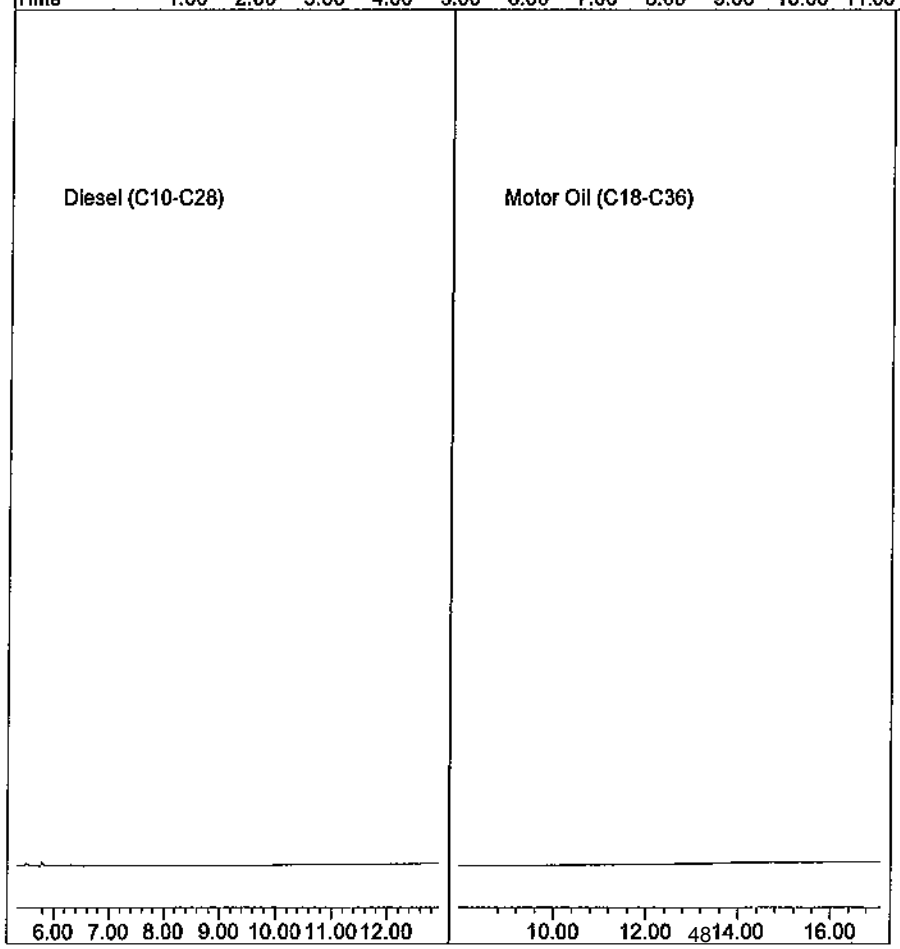
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) HBTM Motor Oil (C18-C36)	12.55	7331773	27.230 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\120110\110011.D
Sample : MOTOR OIL 50/1000 1/10/12

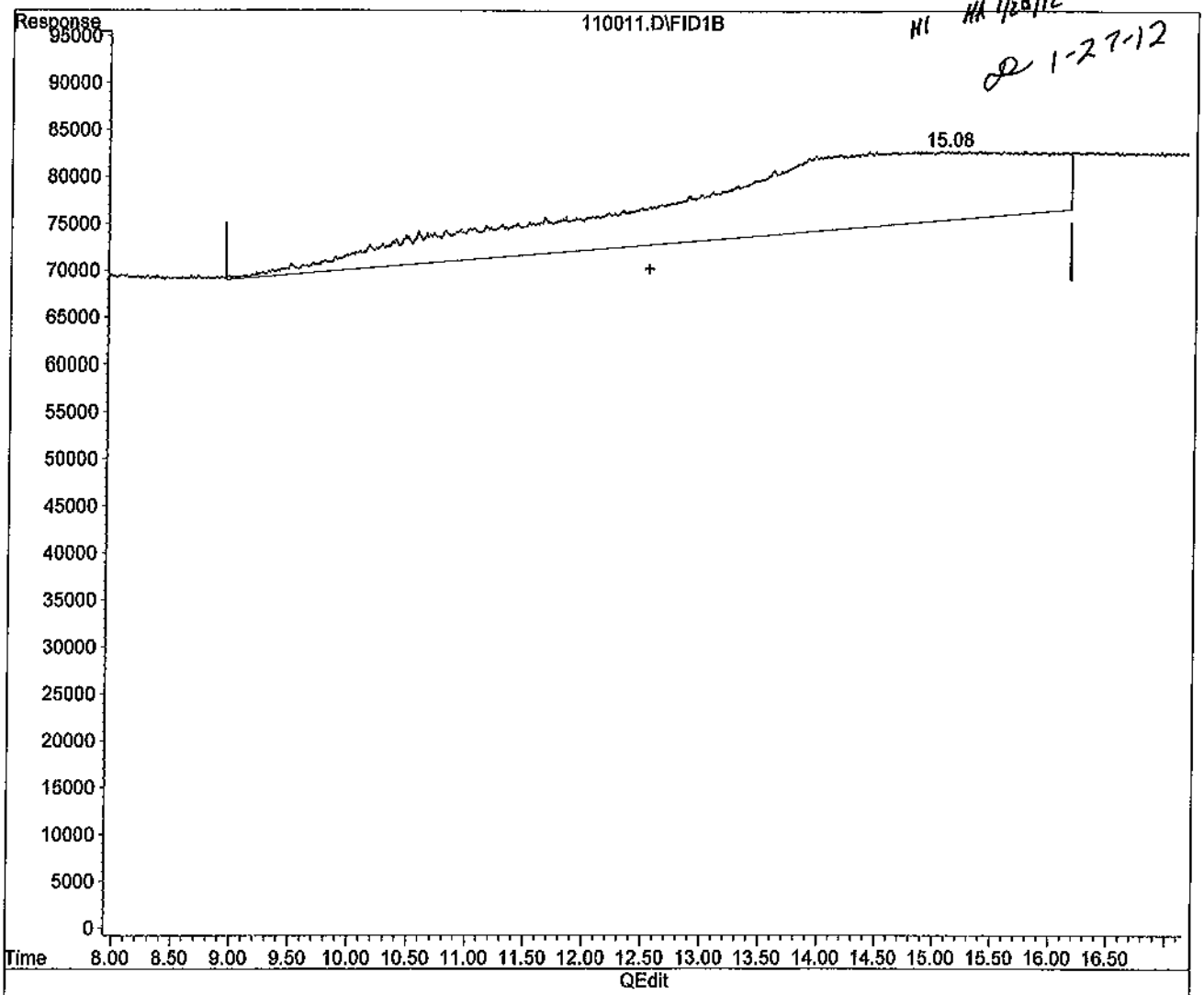




Quantitation Report

Data File : G:\APOLLO\DATA\120110\110011.D Vial: 11
Acq On : 1-10-12 19:14:04 Operator: LAC
Sample : MOTOR OIL 50/1000 1/10/12 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:18 2012 Quant Results File: TPH110.RES

Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Jan 24 11:56:18 2012
Response via : Multiple Level Calibration



HH 1/26/12
JR 1-27-12

(2) Motor Oil (C18-C36) (HBTM)

12.55min 94.695ppb m

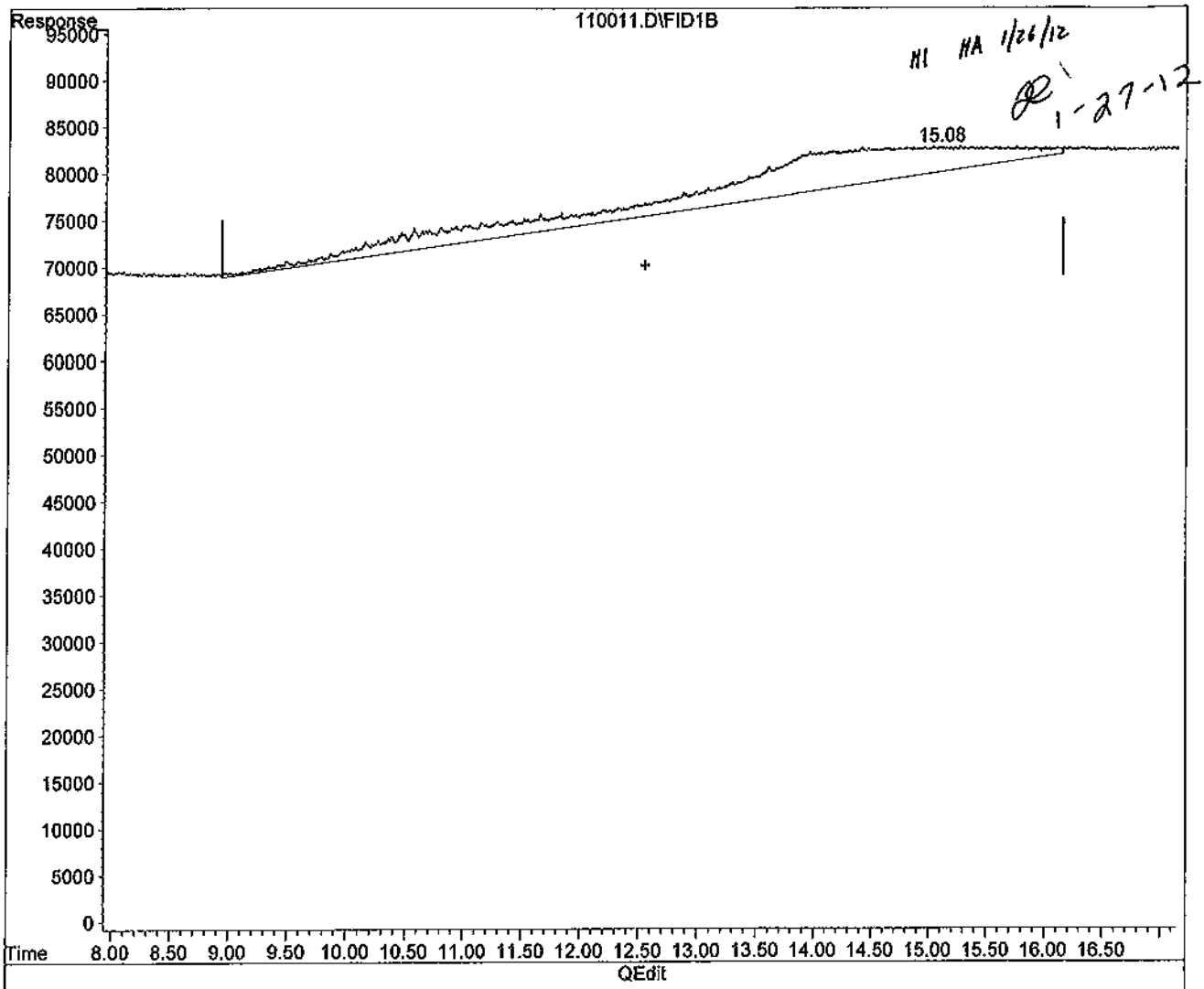
response 19116469

(+) = Expected Retention Time
110011.D TPH110.M Thu Jan 26 09:23:23 2012

Quantitation Report

Data File : G:\APOLLO\DATA\120110\110011.D Vial: 11
Acq On : 1-10-12 19:14:04 Operator: LAC
Sample : MOTOR OIL 50/1000 1/10/12 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:18 2012 Quant Results File: TPH110.RES

Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Jan 24 11:56:18 2012
Response via : Multiple Level Calibration



HI HA 1/26/12
1-27-12

(2) Motor Oil (C18-C36) (HBTM)

12.55min 27.230ppb m

response 7331773

(+) = Expected Retention Time
110011.D TPH110.M Thu Jan 26 09:23:43 2012

Quantitation Report (QT Reviewed)

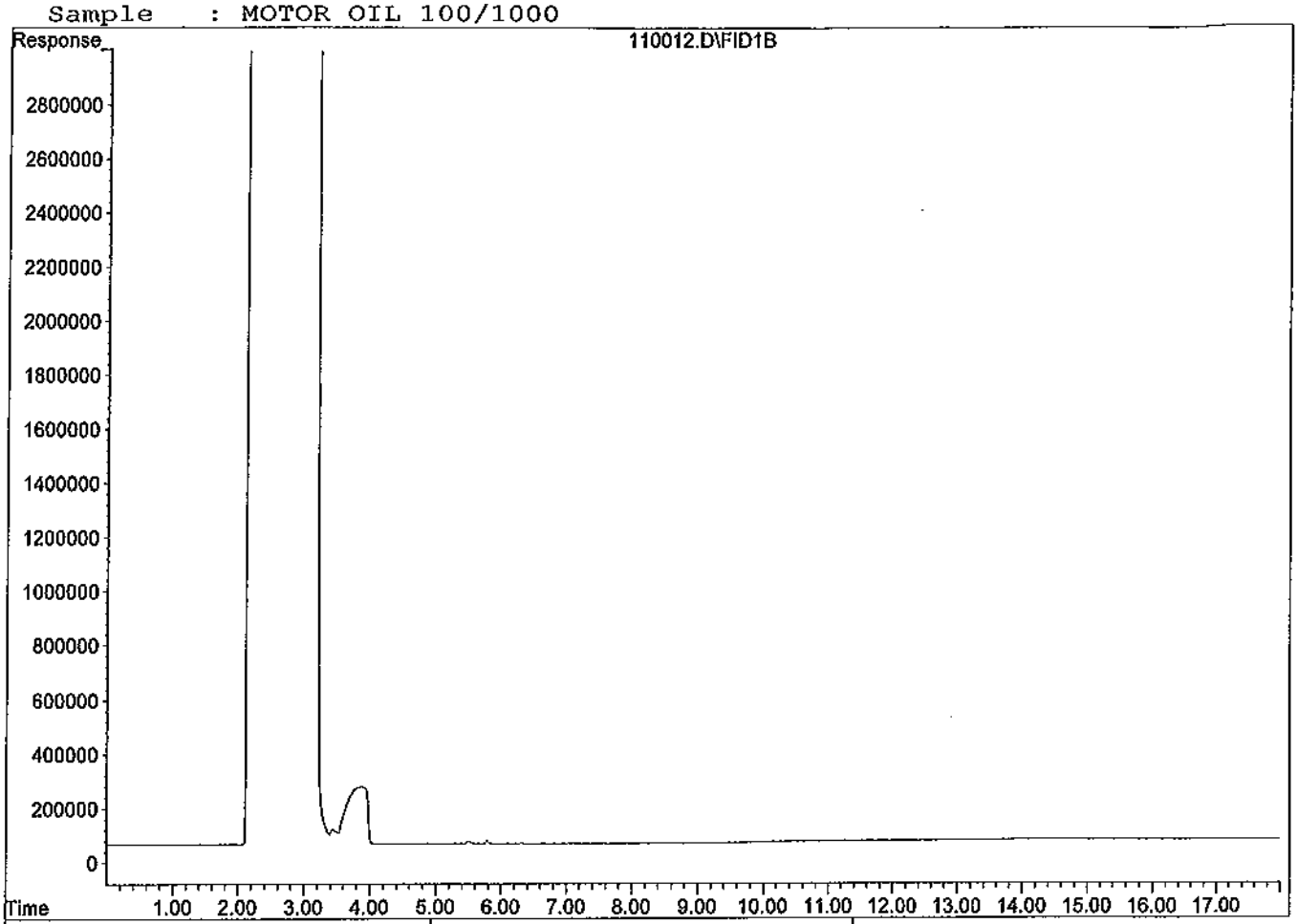
Data File : G:\APOLLO\DATA\120110\110012.D Vial: 12
Acq On : 1-10-12 19:37:39 Operator: LAC
Sample : MOTOR OIL 100/1000 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

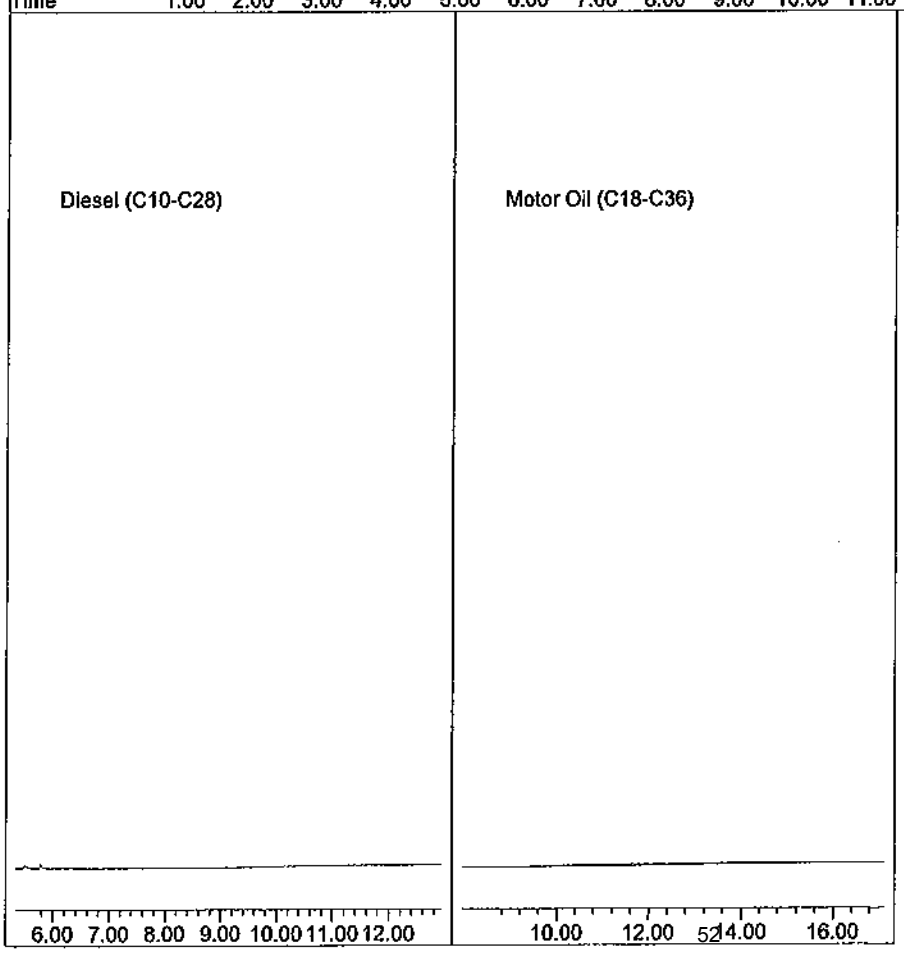
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) HBTM Motor Oil (C18-C36)	12.55	13296323	61.376 ppb

Data File: G:\APOLLO\DATA\120110\110012.D
Sample : MOTOR OIL 100/1000

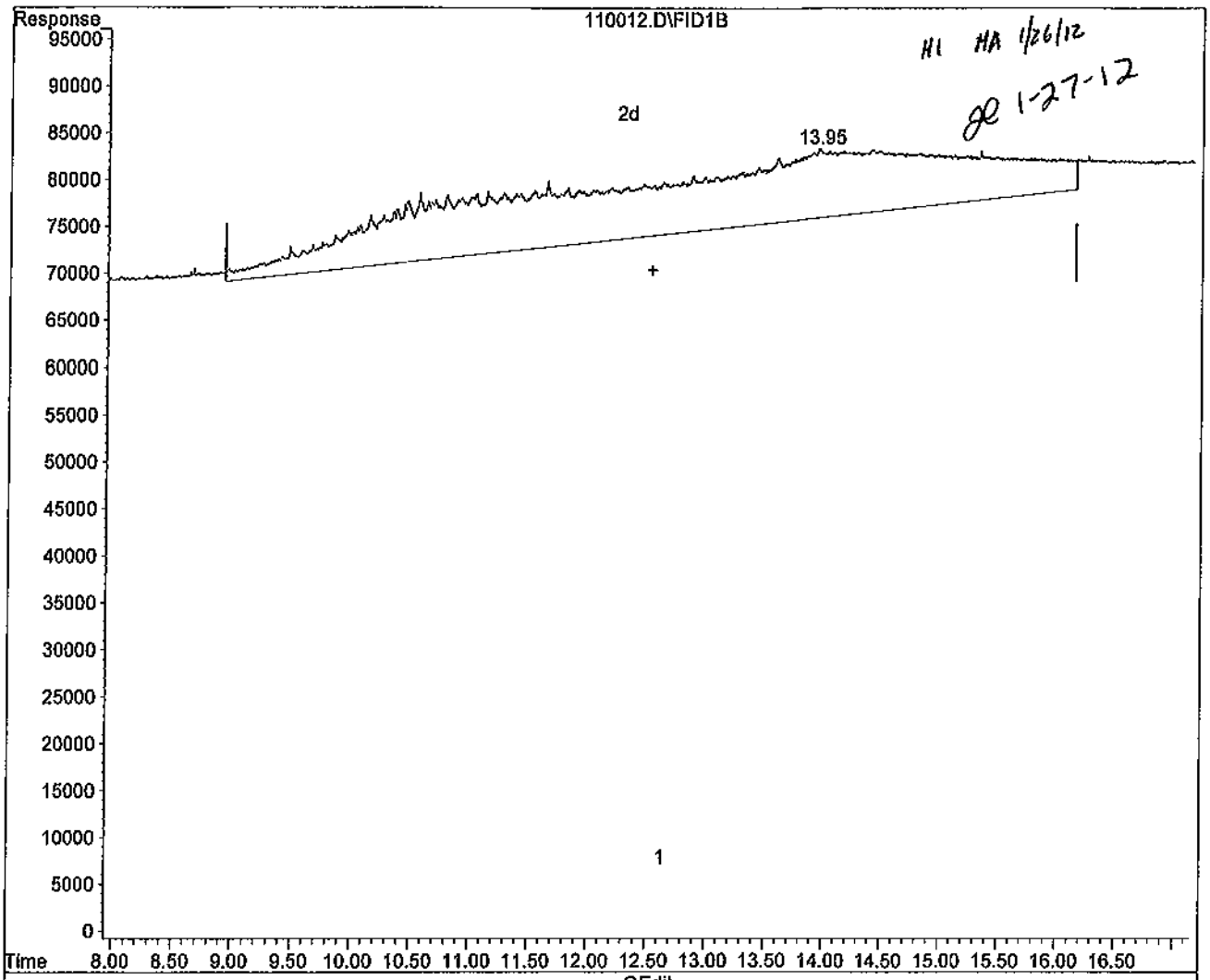




Quantitation Report

Data File : G:\APOLLO\DATA\120110\110012.D Vial: 12
Acq On : 1-10-12 19:37:39 Operator: LAC
Sample : MOTOR OIL 100/1000 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:18 2012 Quant Results File: TPH110.RES

Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Jan 24 11:56:18 2012
Response via : Multiple Level Calibration



HI HA 1/26/12
JR 1-27-12

QEdit

(2) Motor Oil (C18-C36) (HBTM)

12.55min 105.118ppb m

response 20937119

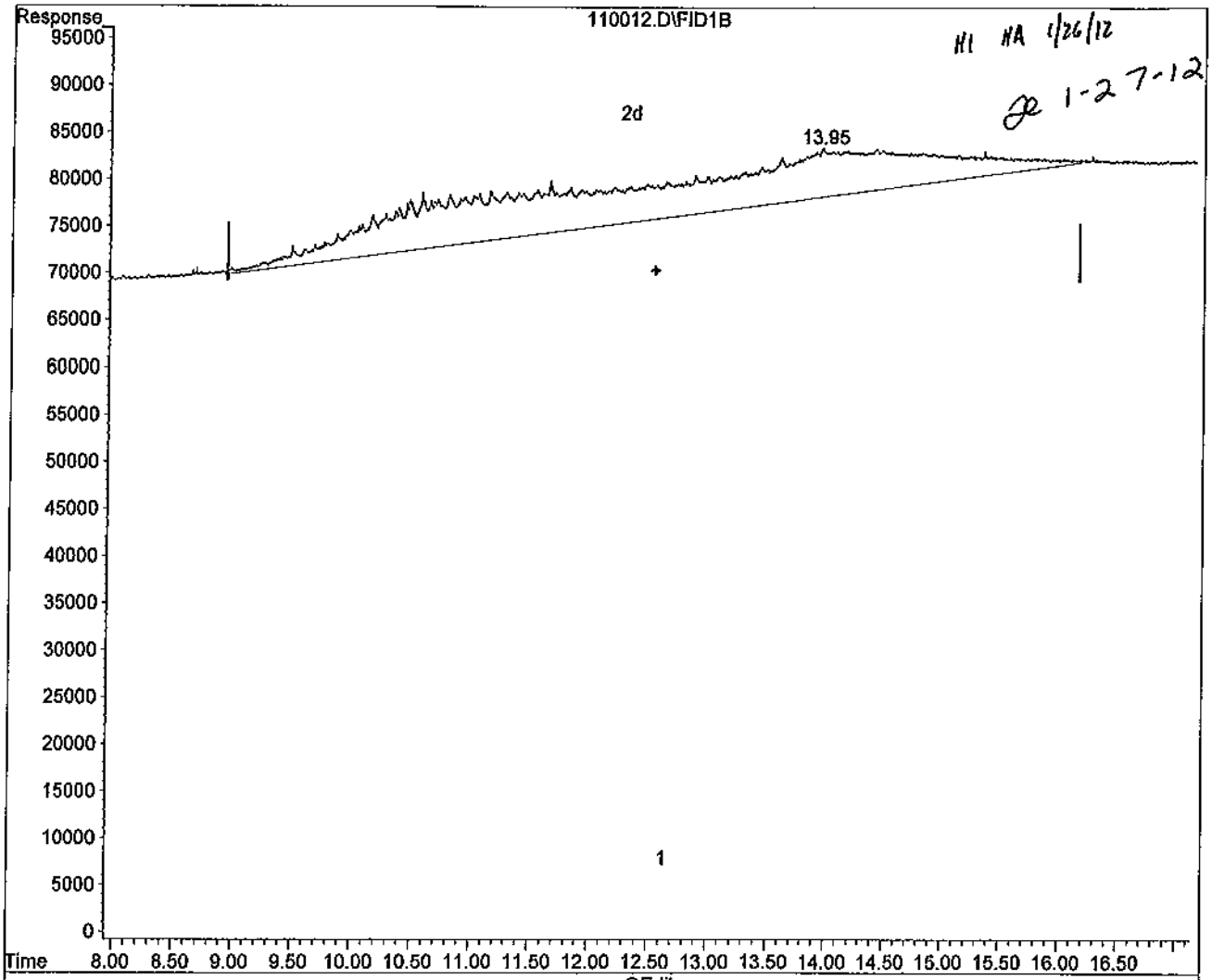
(+) = Expected Retention Time
110012.D TPH110.M Thu Jan 26 09:23:57 2012

Quantitation Report

Data File : G:\APOLLO\DATA\120110\110012.D
Acq On : 1-10-12 19:37:39
Sample : MOTOR OIL 100/1000
Misc : Mix(B)
IntFile : events.e
Quant Time: Jan 26 9:18 2012 Quant Results File: TPH110.RES

Vial: 12
Operator: LAC
Inst : Apollo
Multiplr: 1.00

Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Jan 24 11:56:18 2012
Response via : Multiple Level Calibration



(2) Motor Oil (C18-C36) (HBTM)

12.55min 61.376ppb m

response 13296323

(+) = Expected Retention Time
110012.D TPH110.M Thu Jan 26 09:24:08 2012

Quantitation Report (Not Reviewed)

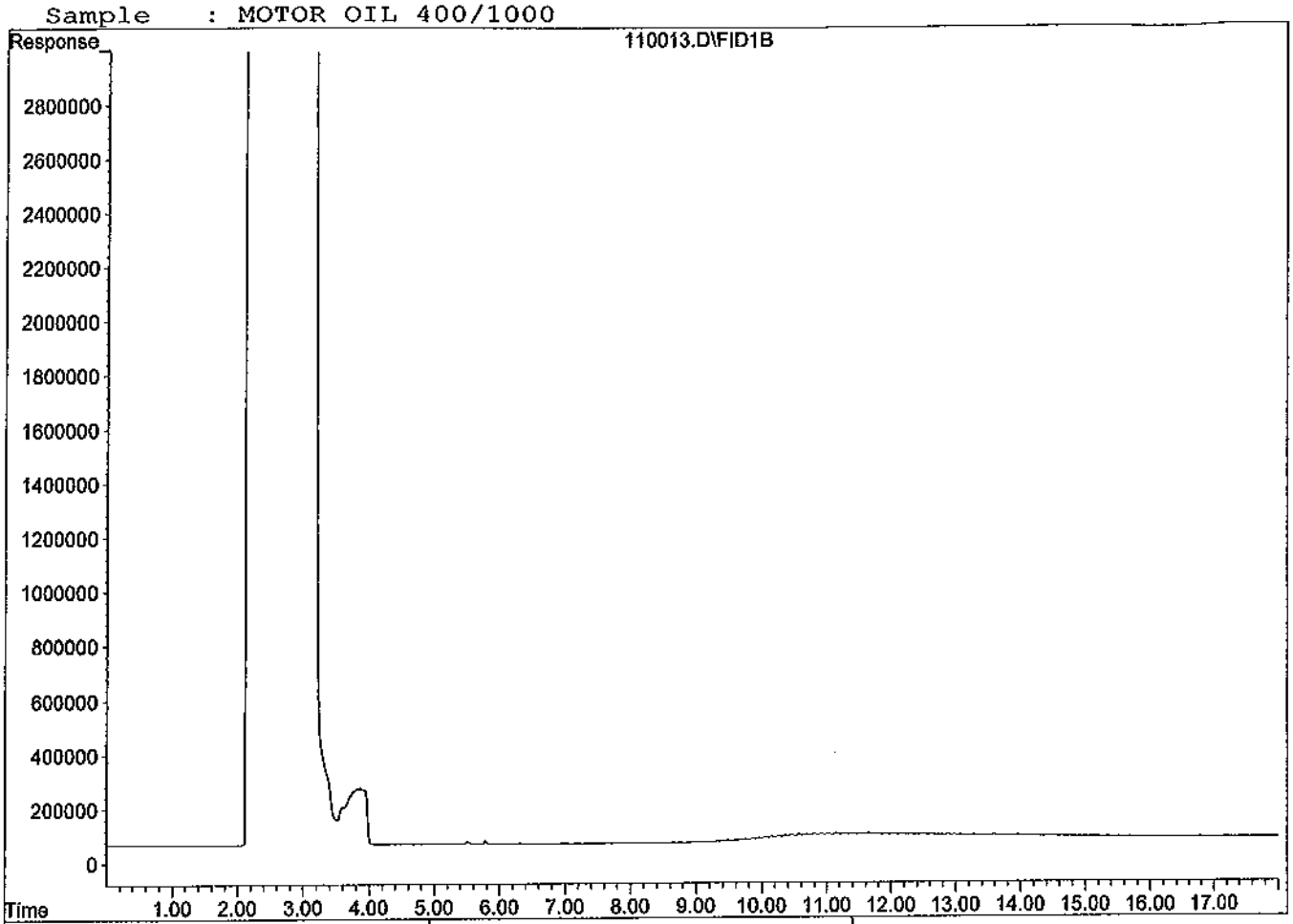
Data File : G:\APOLLO\DATA\120110\110013.D Vial: 13
Acq On : 1-10-12 20:01:12 Operator: LAC
Sample : MOTOR OIL 400/1000 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

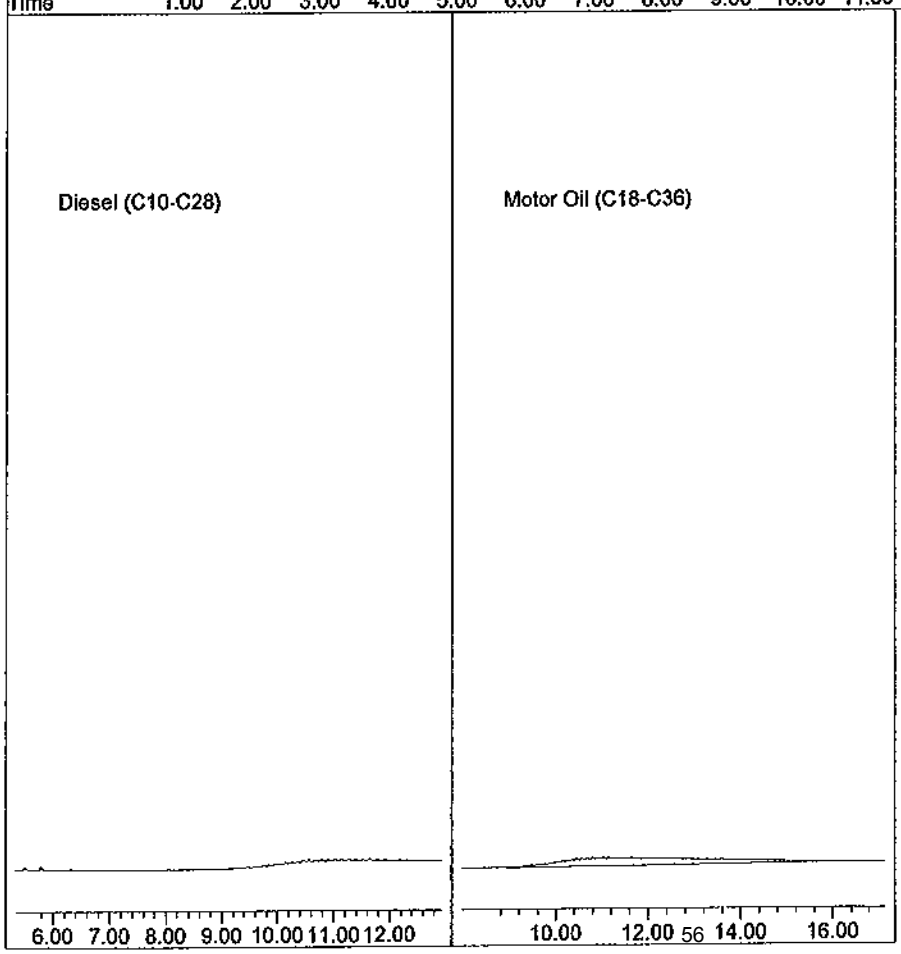
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) HBTM Motor Oil (C18-C36)	12.55	62686085	344.123 ppb

Data File: G:\APOLLO\DATA\120110\110013.D
Sample : MOTOR OIL 400/1000





Quantitation Report (Not Reviewed)

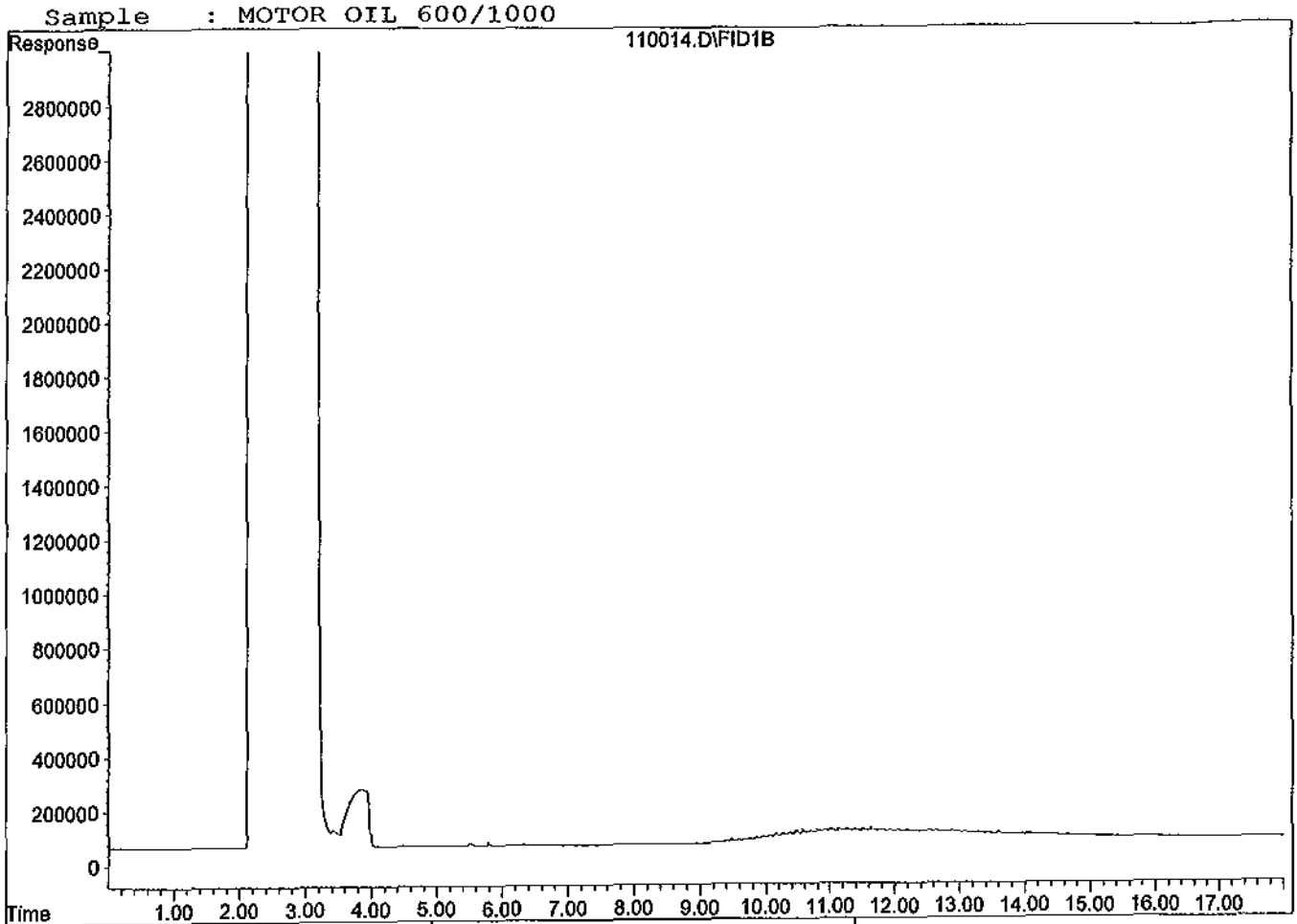
Data File : G:\APOLLO\DATA\120110\110014.D Vial: 14
Acq On : 1-10-12 20:24:46 Operator: LAC
Sample : MOTOR OIL 600/1000 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

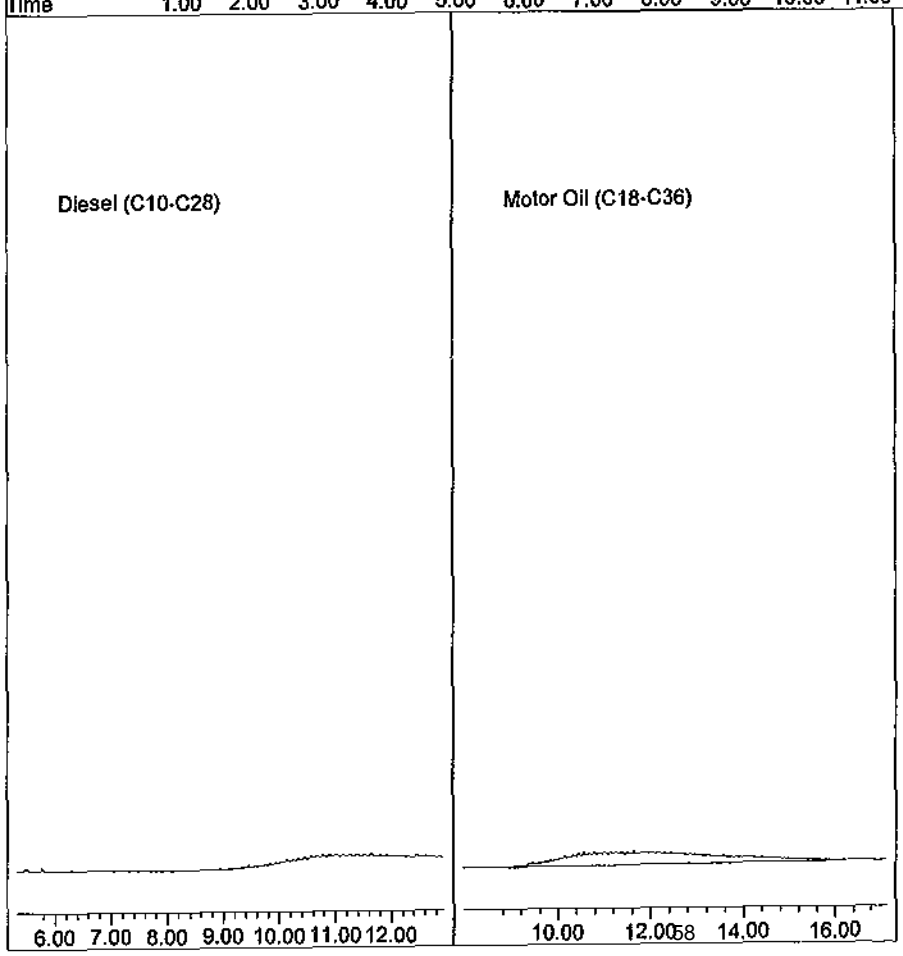
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) HBTM Motor Oil (C18-C36)	12.55	102046780	569.455 ppb

Data File: G:\APOLLO\DATA\120110\110014.D
Sample : MOTOR OIL 600/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\120110\110015.D Vial: 15
Acq On : 1-10-12 20:48:17 Operator: LAC
Sample : MOTOR OIL 800/1000 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

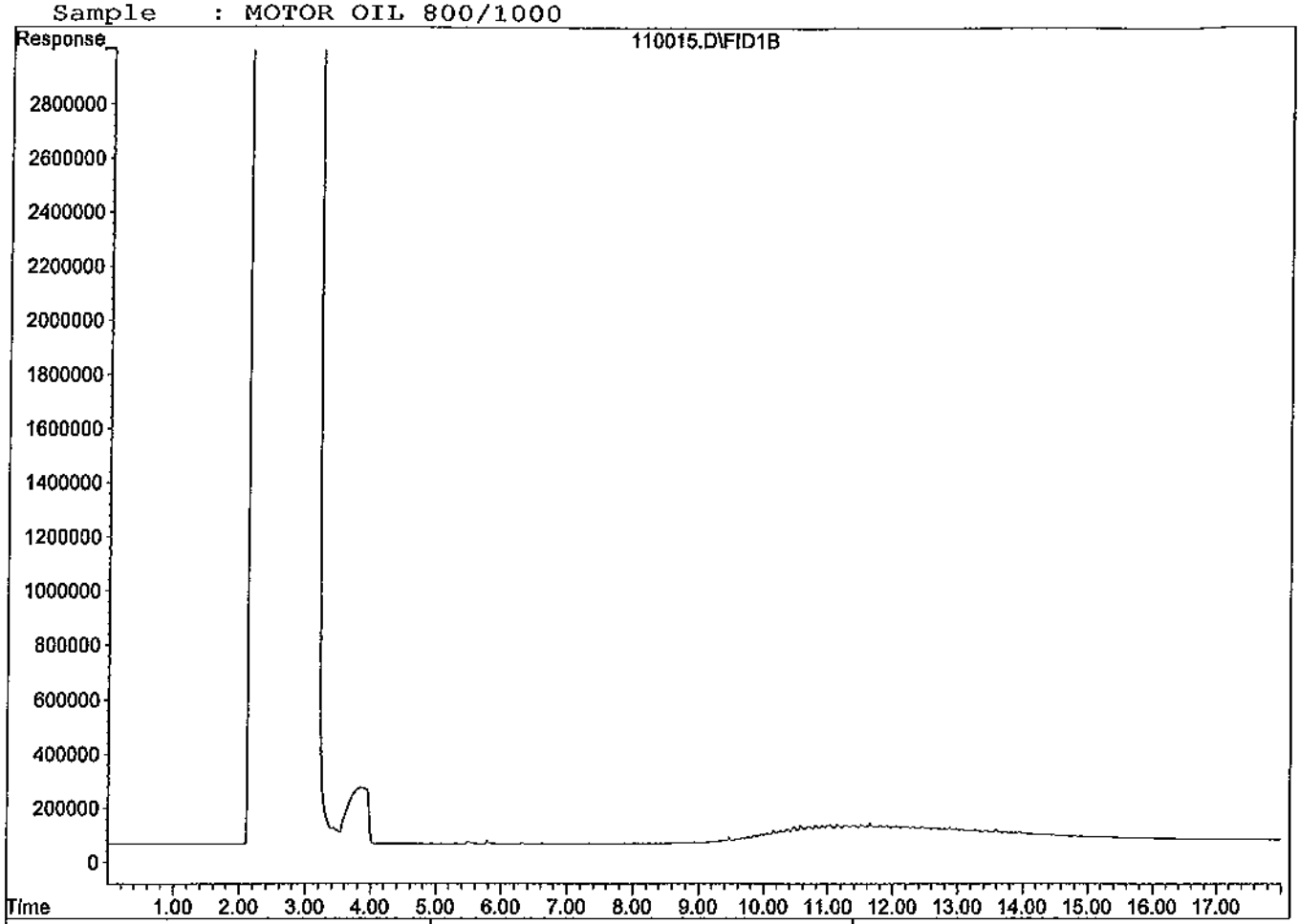
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

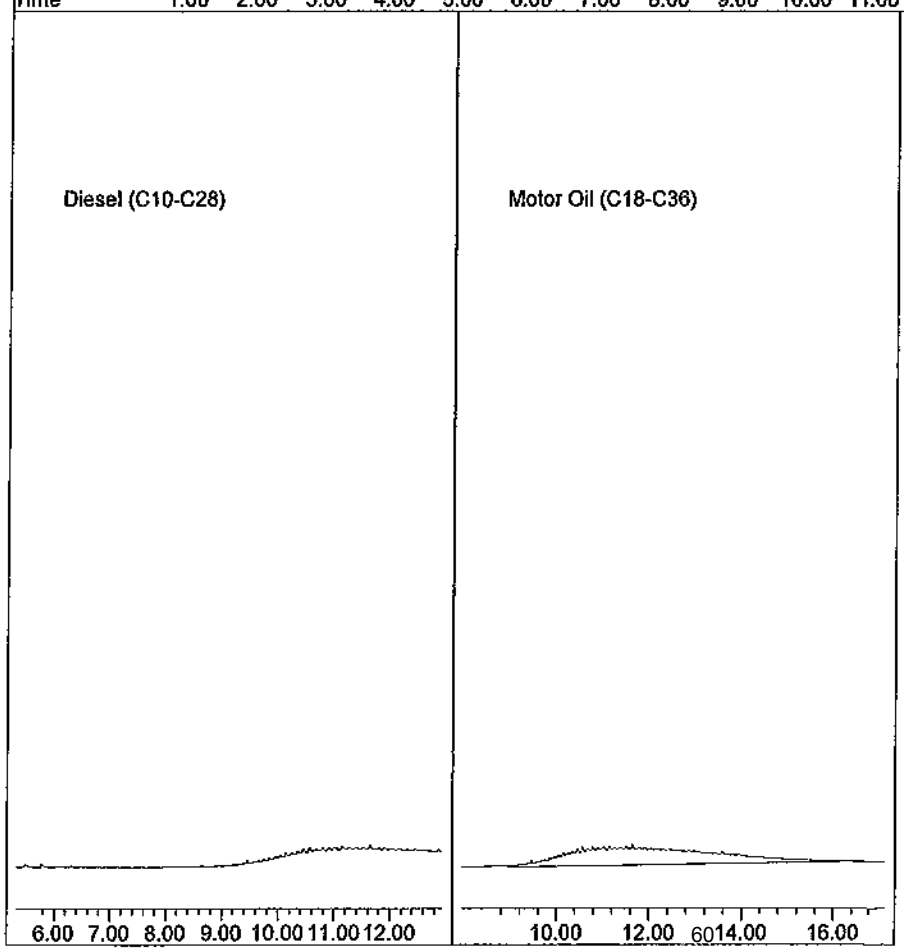
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) HBTM Motor Oil (C18-C36)	12.55	141208740	793.650 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\120110\110015.D
Sample : MOTOR OIL 800/1000





Quantitation Report (Not Reviewed)

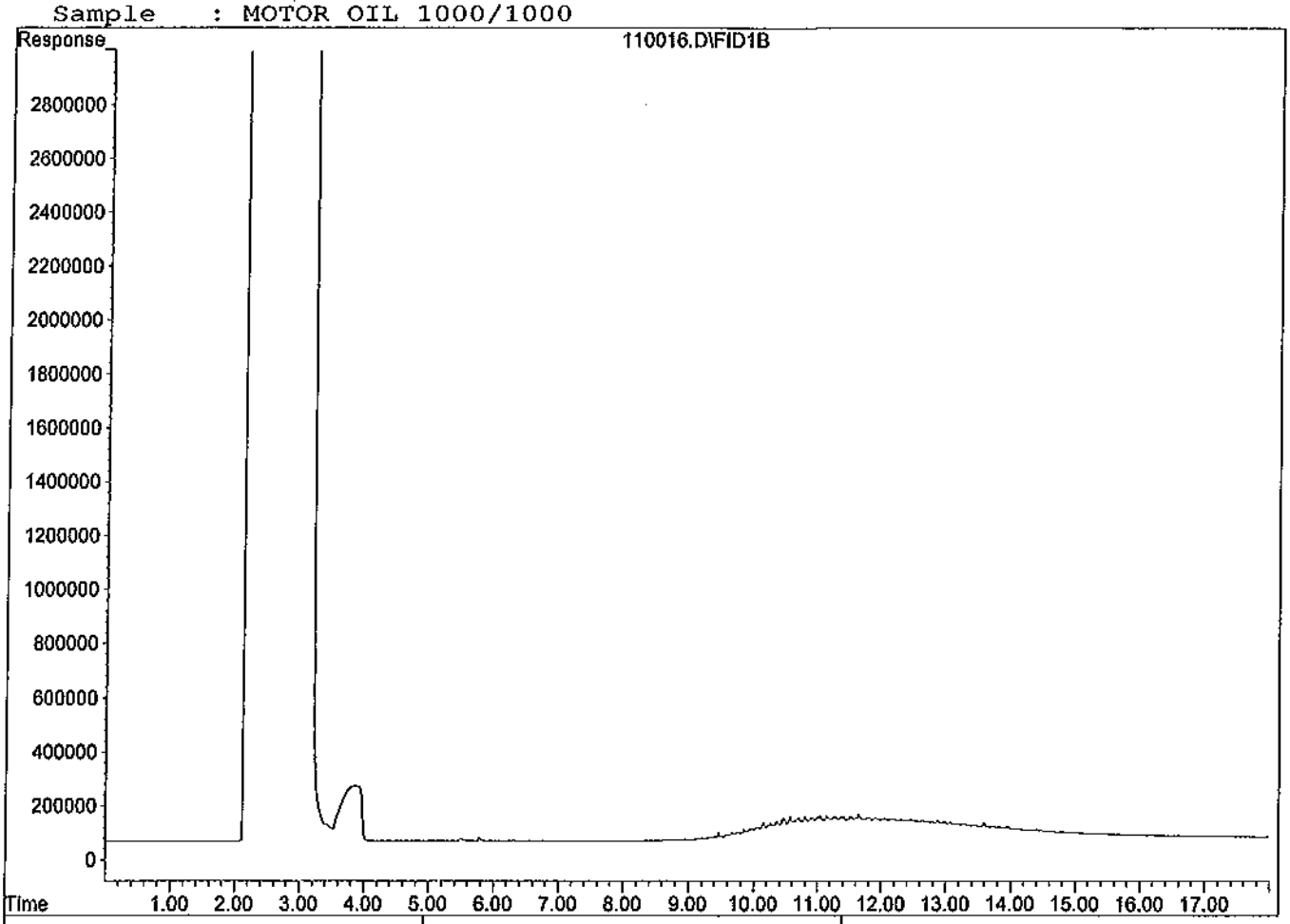
Data File : G:\APOLLO\DATA\120110\110016.D Vial: 16
Acq On : 1-10-12 21:11:50 Operator: LAC
Sample : MOTOR OIL 1000/1000 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

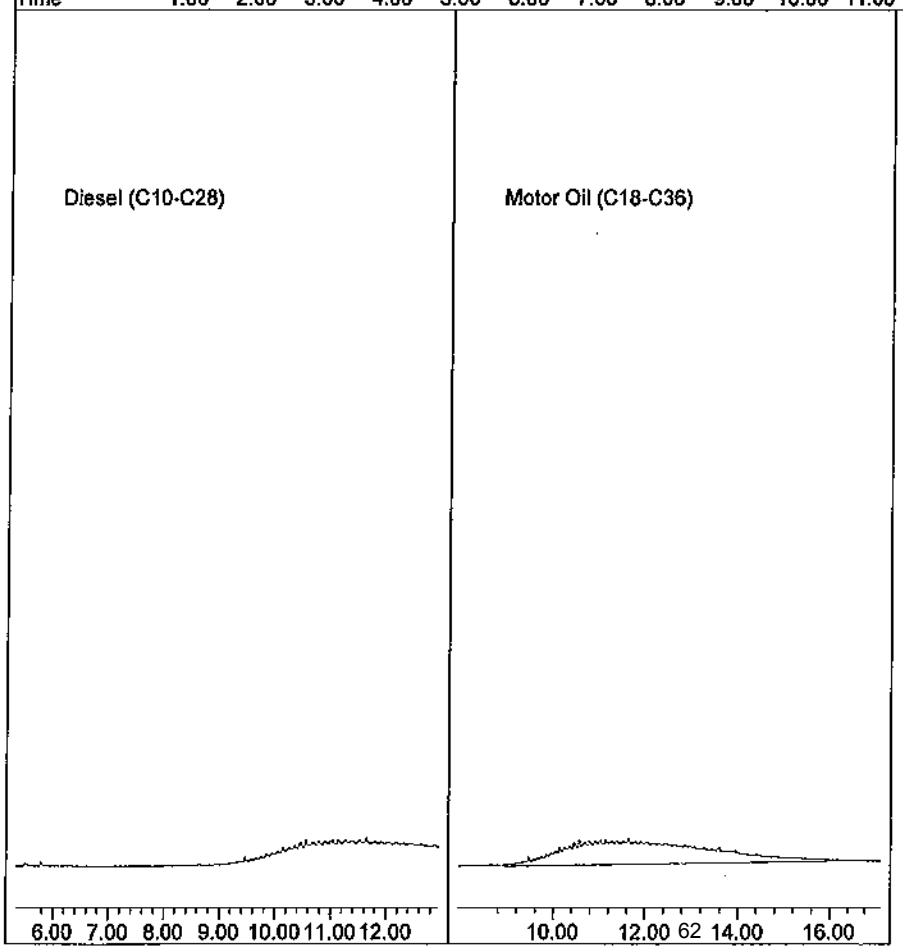
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
Target Compounds				
2) HBTM Motor Oil (C18-C36)	12.55	184767578	1043.016	ppb

Data File: G:\APOLLO\DATA\120110\110016.D
Sample : MOTOR OIL 1000/1000





TPH Extractables
TPH110

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No:
Date Analyzed: 01/10/12
Instrument: Apollo
Initial Cal. Date: 01/10/12
Data File: 110017.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	202470	176945	13	HATML	3.2
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			13.0		

Quantitation Report (Not Reviewed)

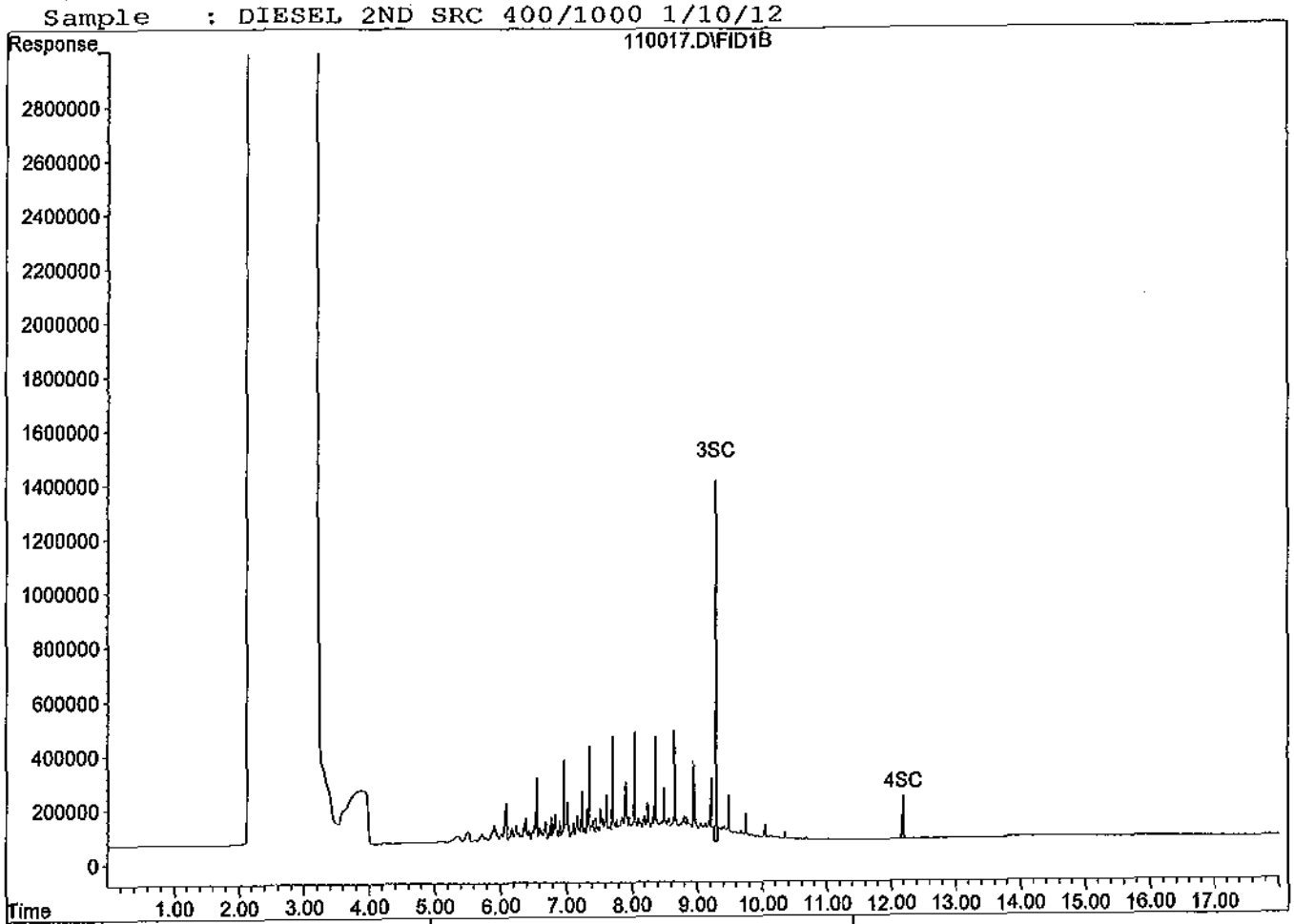
Data File : G:\APOLLO\DATA\120110\110017.D Vial: 17
Acq On : 1-10-12 21:35:15 Operator: LAC
Sample : DIESEL 2ND SRC 400/1000 1/10/12 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:31 2012 Quant Results File: TPH110.RES

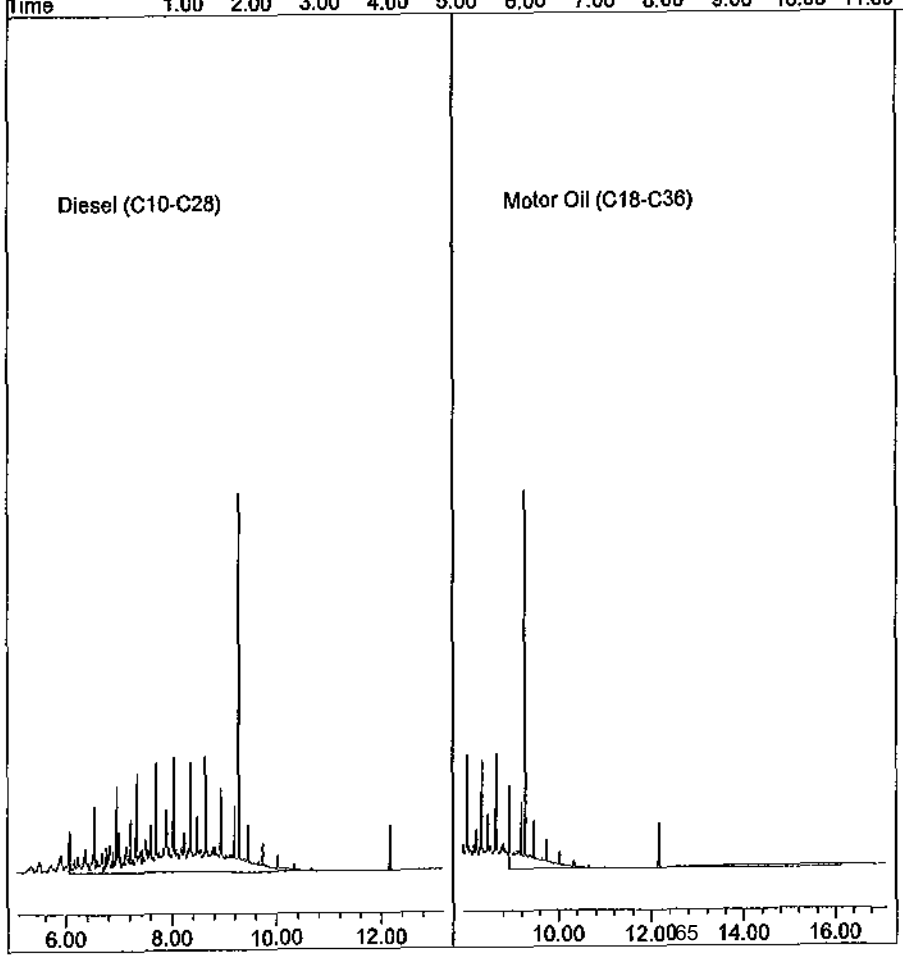
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.28	9415492	21.366 ppb
Surrogate Spike 30.000		Recovery =	71.22%
4) SC Octacosane(S)	12.18	2016343	17.621 ppb
Surrogate Spike 30.000		Recovery =	58.74%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	141555900	387.366 ppb
2) HBTM Motor Oil (C18-C36)	12.55	42974965	266.464 ppb

Data File: G:\APOLLO\DATA\120110\110017.D
Sample : DIESEL 2ND SRC 400/1000 1/10/12





Quantitation Report (Not Reviewed)

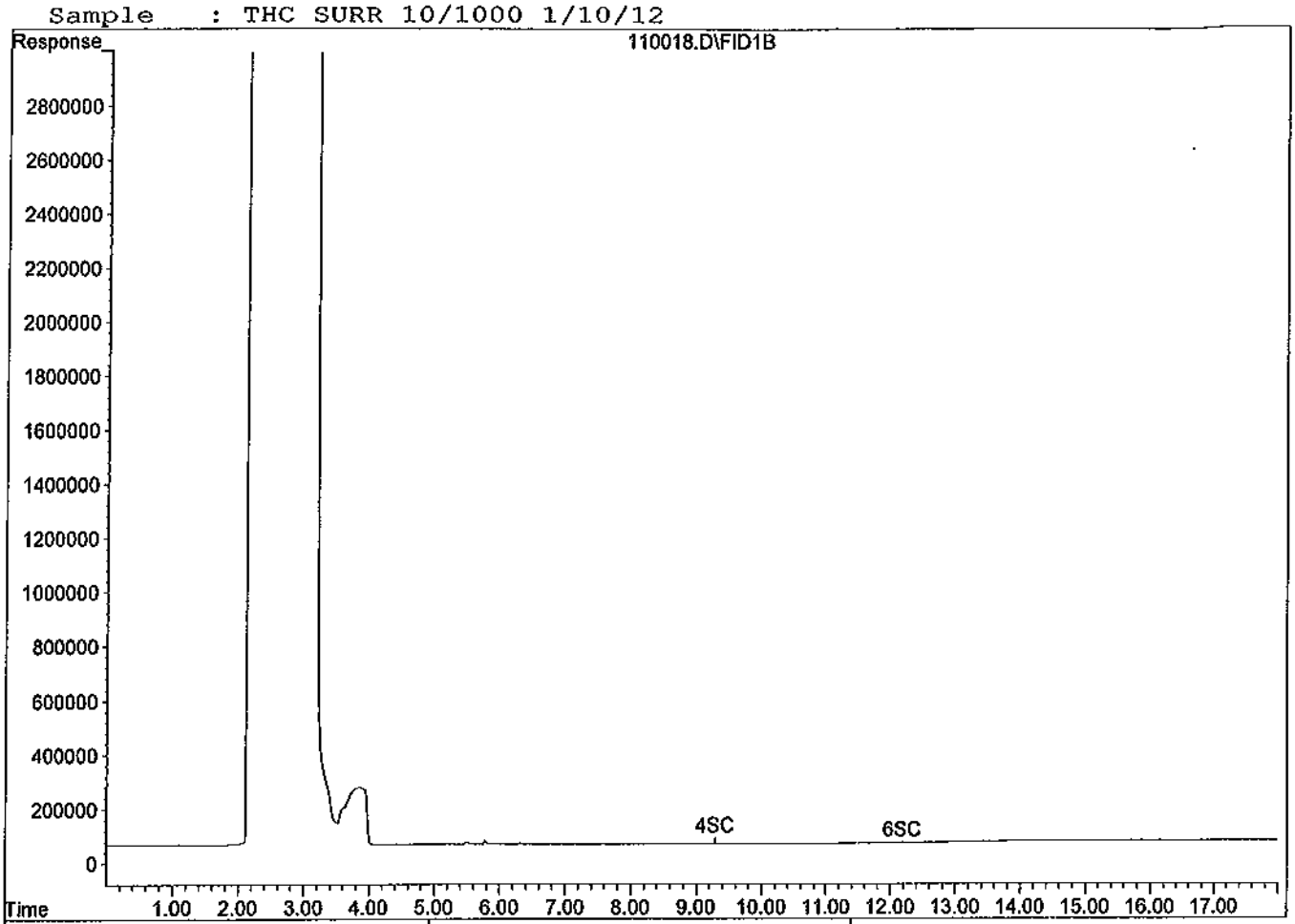
Data File : G:\APOLLO\DATA\120110\110018.D Vial: 18
Acq On : 1-10-12 21:58:40 Operator: LAC
Sample : THC SURR 10/1000 1/10/12 Inst : Apollo
Misc : Mix(C) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

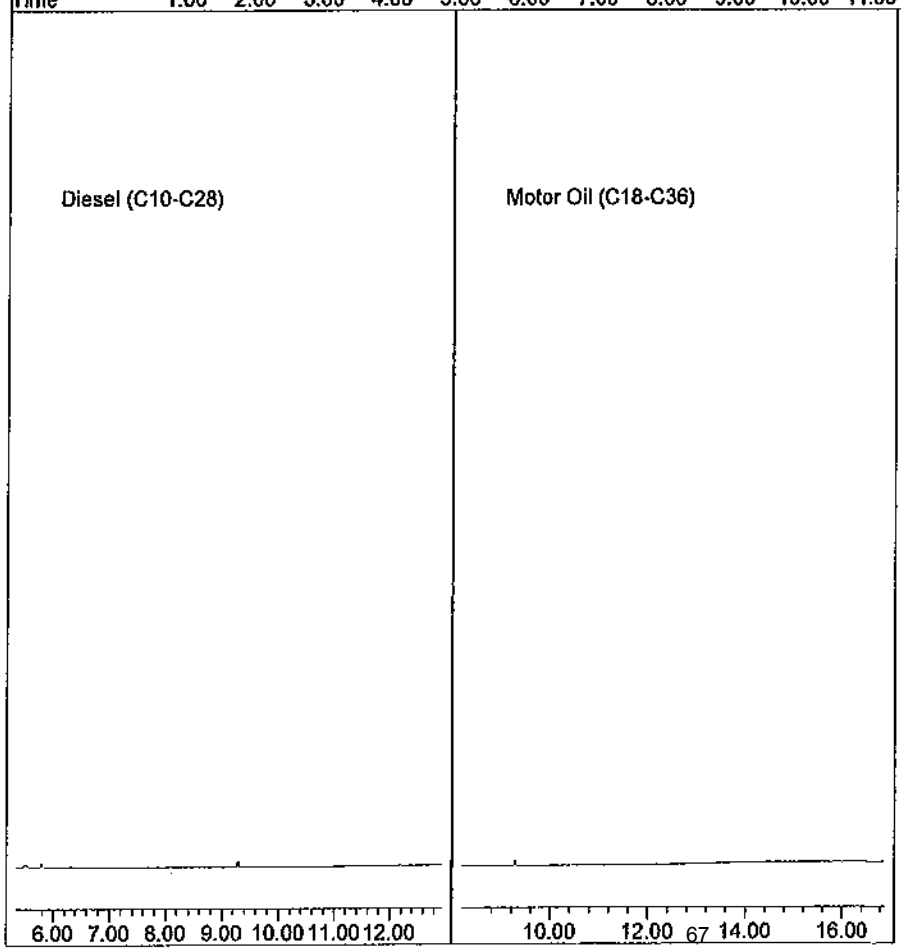
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) SC Ortho-Terphenyl(S)	9.28	190742	0.433 ppb
Surrogate Spike 30.000	Recovery	=	1.44%
6) SC Octacosane(S)	12.19	15939	0.158 ppb
Surrogate Spike 30.000	Recovery	=	0.53%
Target Compounds			

Data File: G:\APOLLO\DATA\120110\110018.D
Sample : THC SURR 10/1000 1/10/12





Quantitation Report (Not Reviewed)

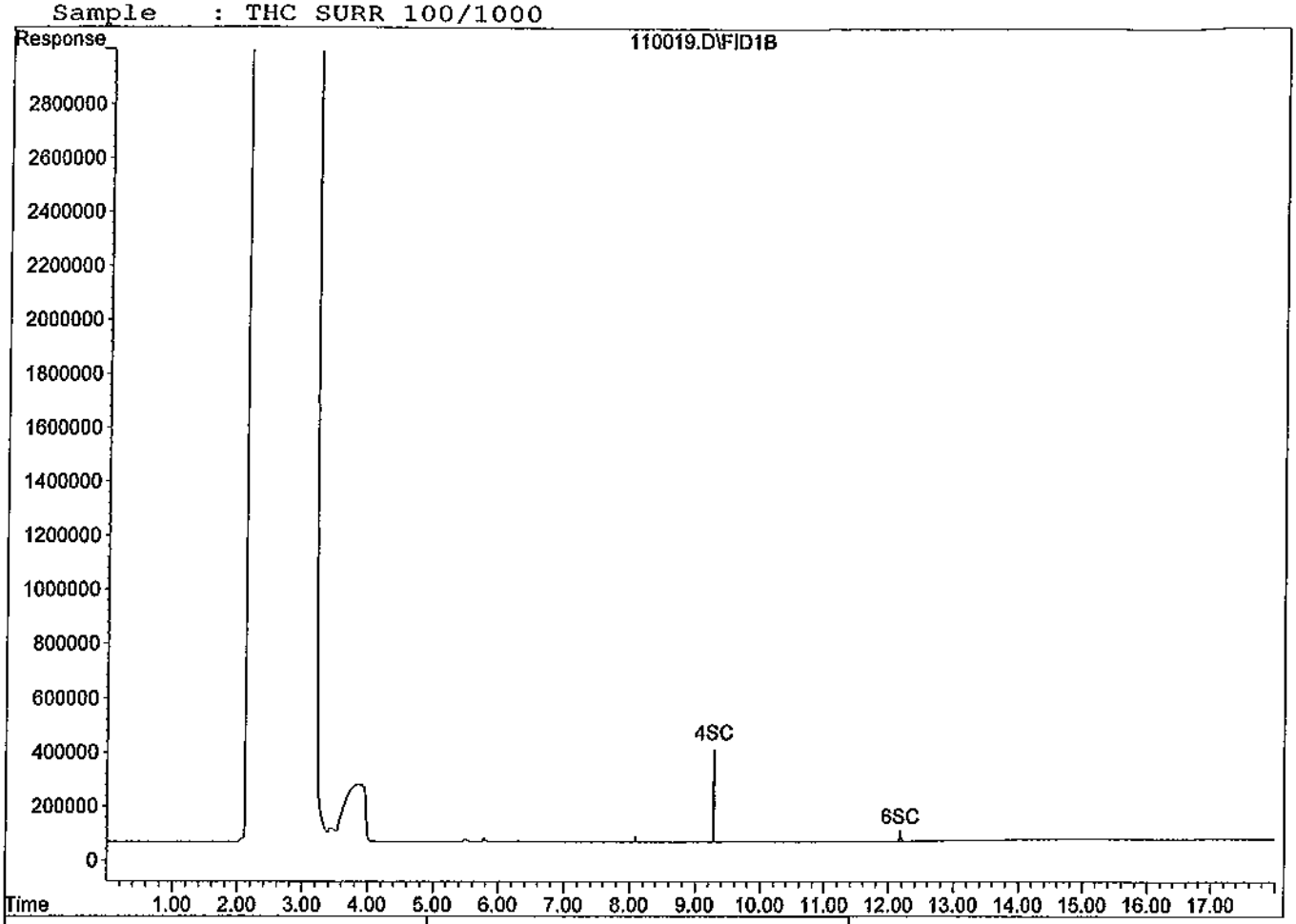
Data File : G:\APOLLO\DATA\120110\110019.D Vial: 19
Acq On : 1-10-12 22:22:01 Operator: LAC
Sample : THC SURR 100/1000 Inst : Apollo
Misc : Mix(C) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

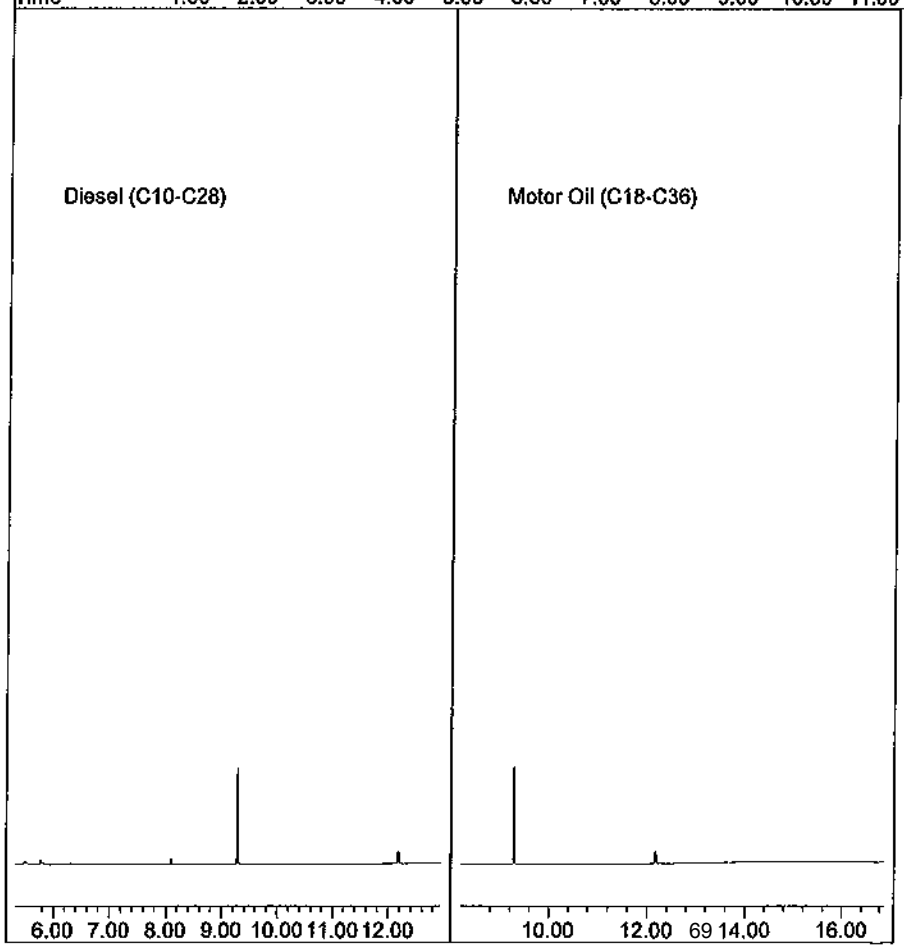
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
4) SC Ortho-Terphenyl(S)	9.28	2375684	5.391	ppb
Surrogate Spike 30.000	Recovery =		17.97%	
6) SC Octacosane(S)	12.18	576394	5.726	ppb
Surrogate Spike 30.000	Recovery =		19.09%	
Target Compounds				

Data File: G:\APOLLO\DATA\120110\110019.D
Sample : THC SURR 100/1000





Quantitation Report (Not Reviewed)

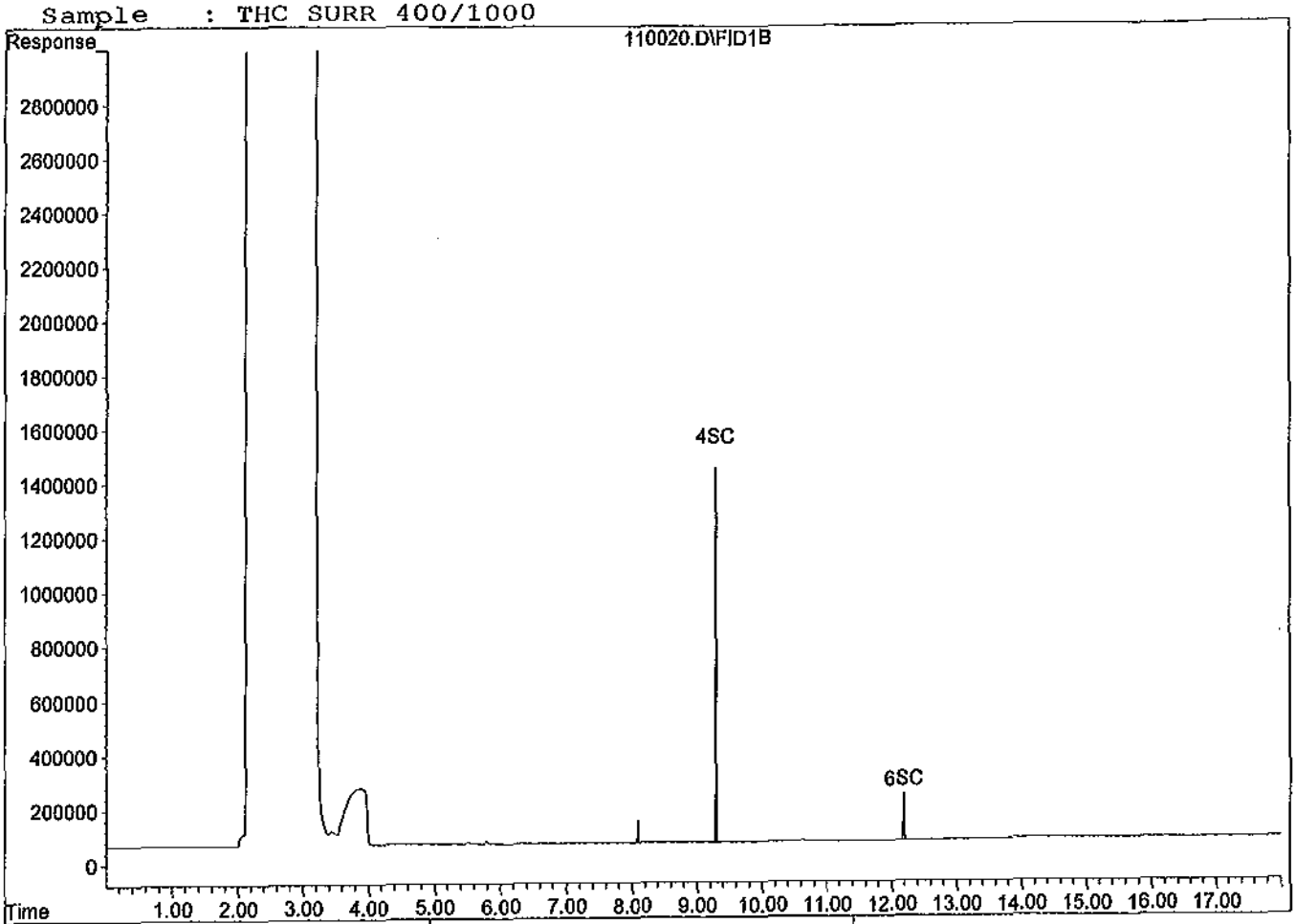
Data File : G:\APOLLO\DATA\120110\110020.D Vial: 20
Acq On : 1-10-12 22:45:24 Operator: LAC
Sample : THC SURR 400/1000 Inst : Apollo
Misc : Mix(C) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

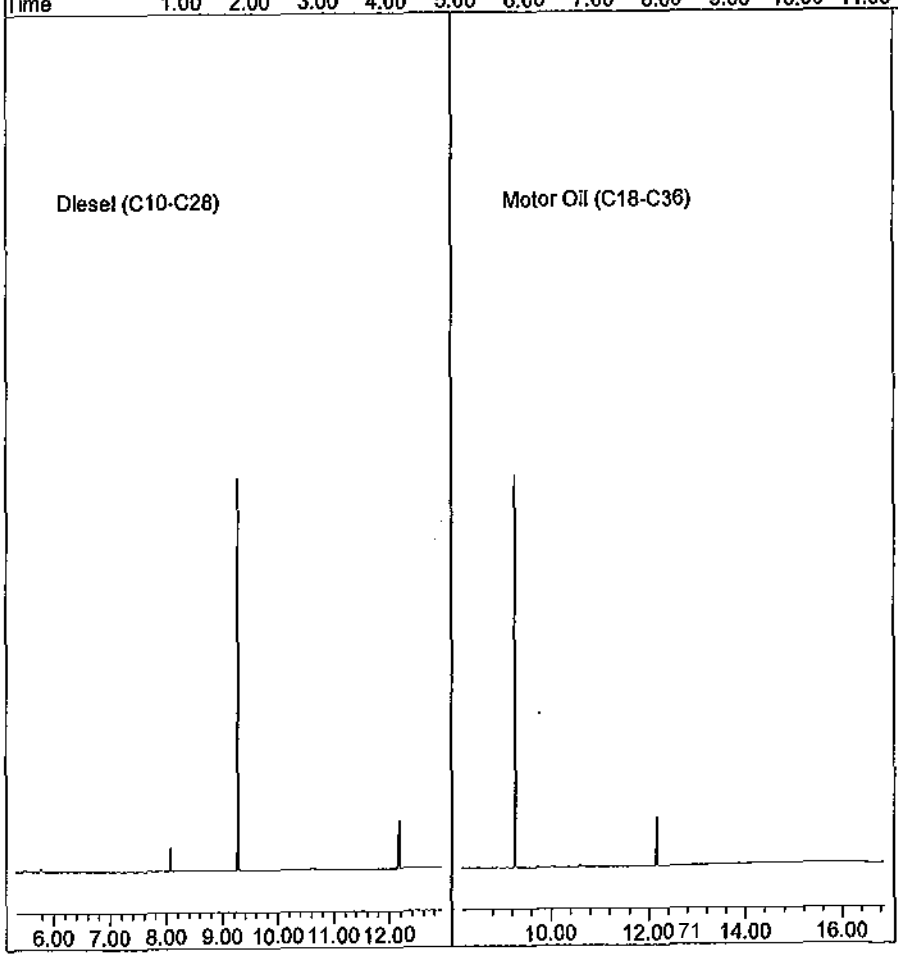
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
4) SC Ortho-Terphenyl(S)	9.28	8815617	20.004	ppb
Surrogate Spike 30.000	Recovery =		66.68%	
6) SC Octacosane(S)	12.18	2243696	22.288	ppb
Surrogate Spike 30.000	Recovery =		74.29%	
Target Compounds				

Data File: G:\APOLLO\DATA\120110\110020.D
Sample : THC SURR 400/1000





Quantitation Report (Not Reviewed)

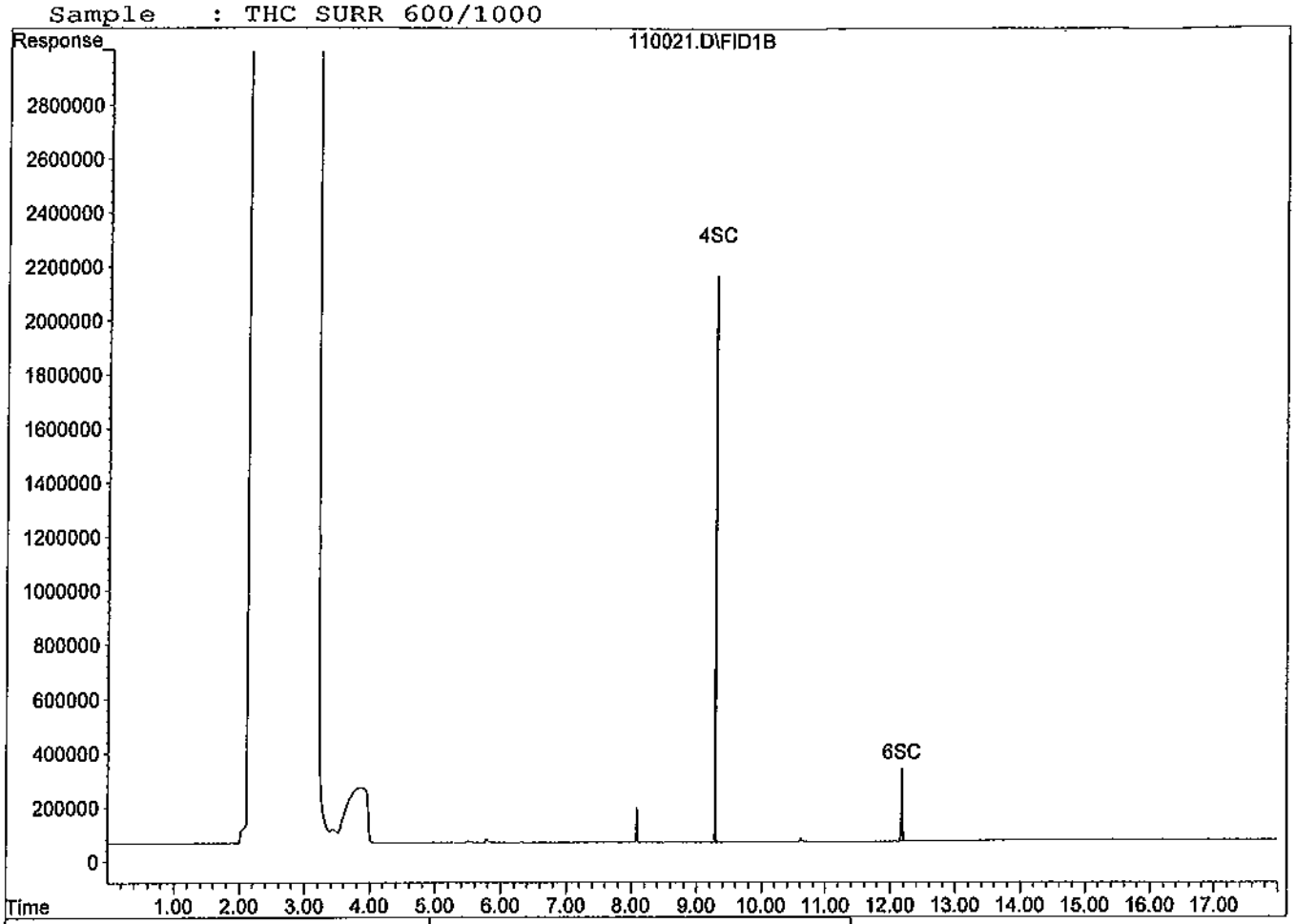
Data File : G:\APOLLO\DATA\120110\110021.D Vial: 21
Acq On : 1-10-12 23:08:42 Operator: LAC
Sample : THC SURR 600/1000 Inst : Apollo
Misc : Mix(C) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

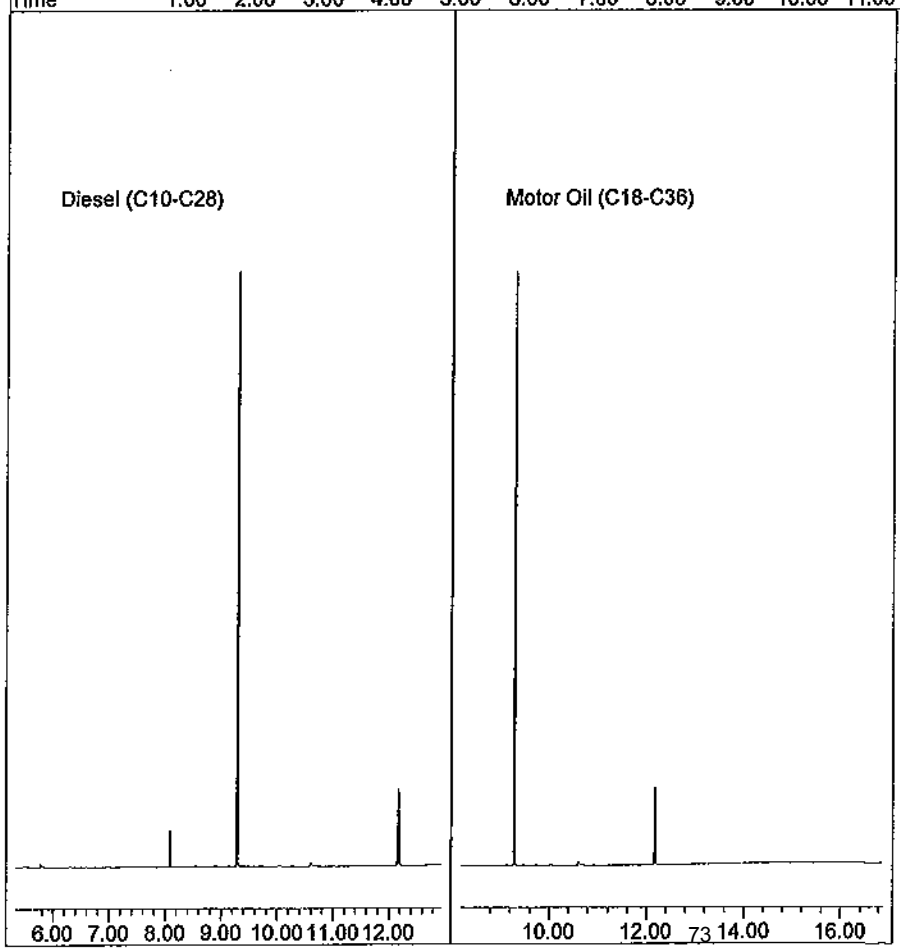
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
4) SC Ortho-Terphenyl(S)	9.28	13462582	30.549	ppb
Surrogate Spike 30.000	Recovery =		101.83%	
6) SC Octacosane(S)	12.18	3390923	33.684	ppb
Surrogate Spike 30.000	Recovery =		112.28%	
Target Compounds				

Data File: G:\APOLLO\DATA\120110\110021.D
Sample : THC SURR 600/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\120110\110022.D Vial: 22
Acq On : 1-10-12 23:32:00 Operator: LAC
Sample : THC SURR 800/1000 Inst : Apollo
Misc : Mix(C) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

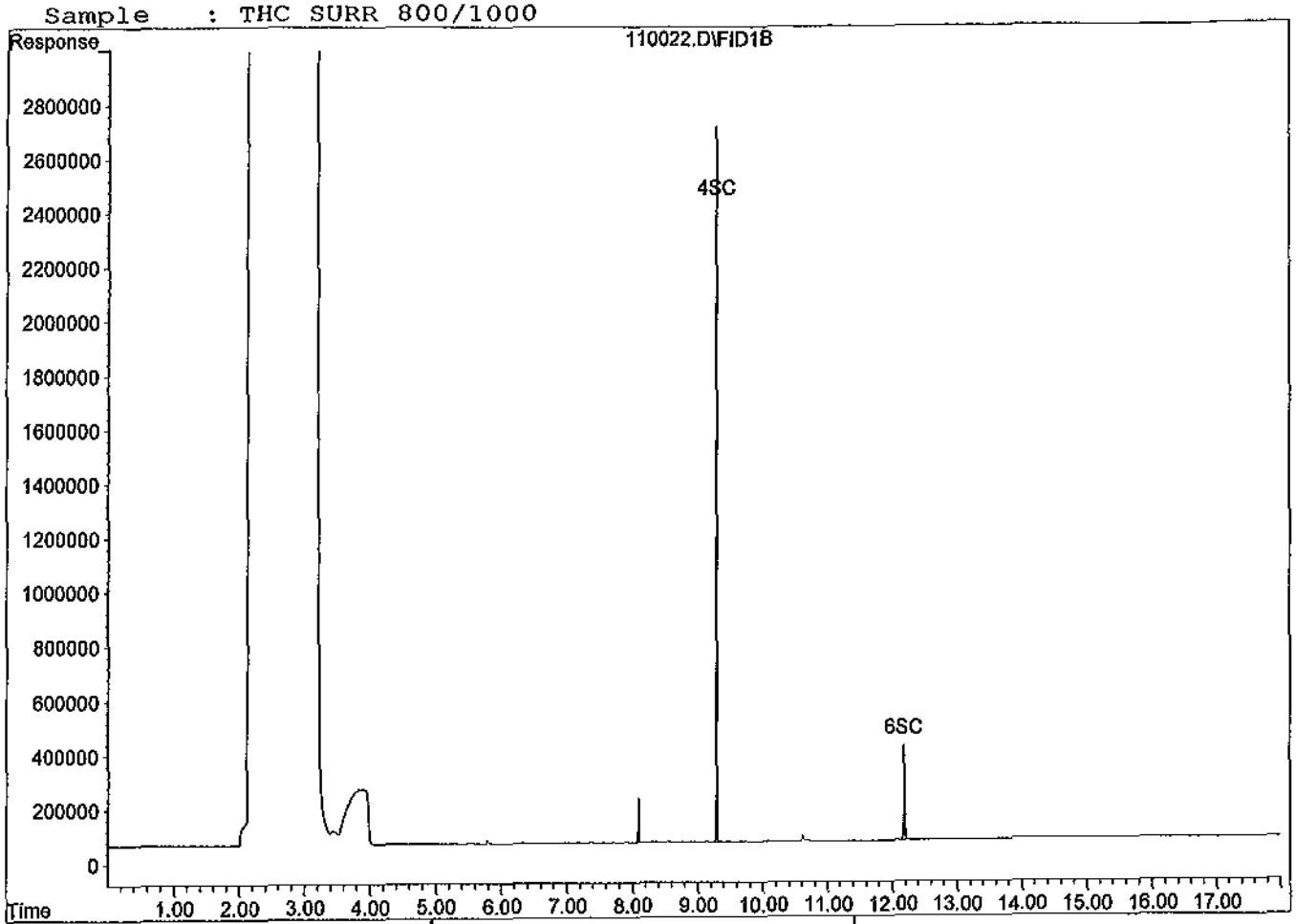
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

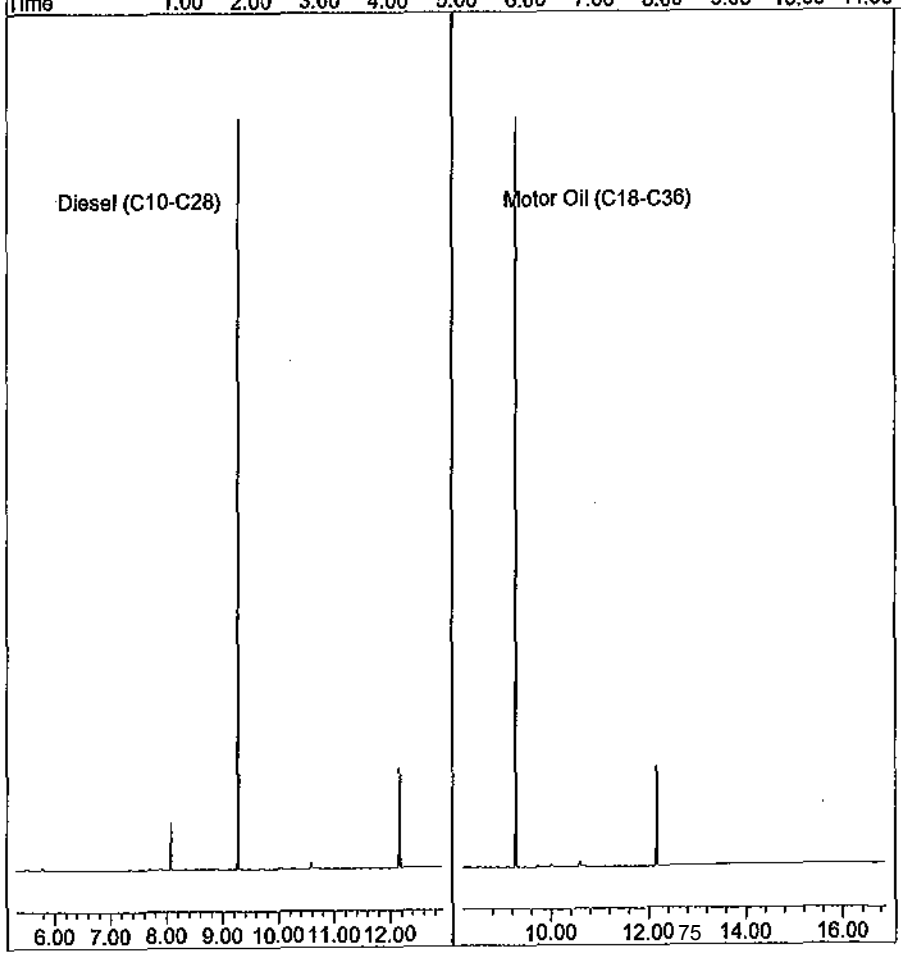
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
4) SC Ortho-Terphenyl(S)	9.28	17618806	39.981	ppb
Surrogate Spike 30.000		Recovery =	133.27%	
6) SC Octacosane(S)	12.18	4532852	45.028	ppb
Surrogate Spike 30.000		Recovery =	150.09%	
Target Compounds				

(f)=RT Delta > 1/2 Window (m)=manual int.
110022.D TPH110.M Thu Jan 26 09:35:05 2012 Page 1

Data File: G:\APOLLO\DATA\120110\110022.D
Sample : THC SURR 800/1000





Quantitation Report (Not Reviewed)

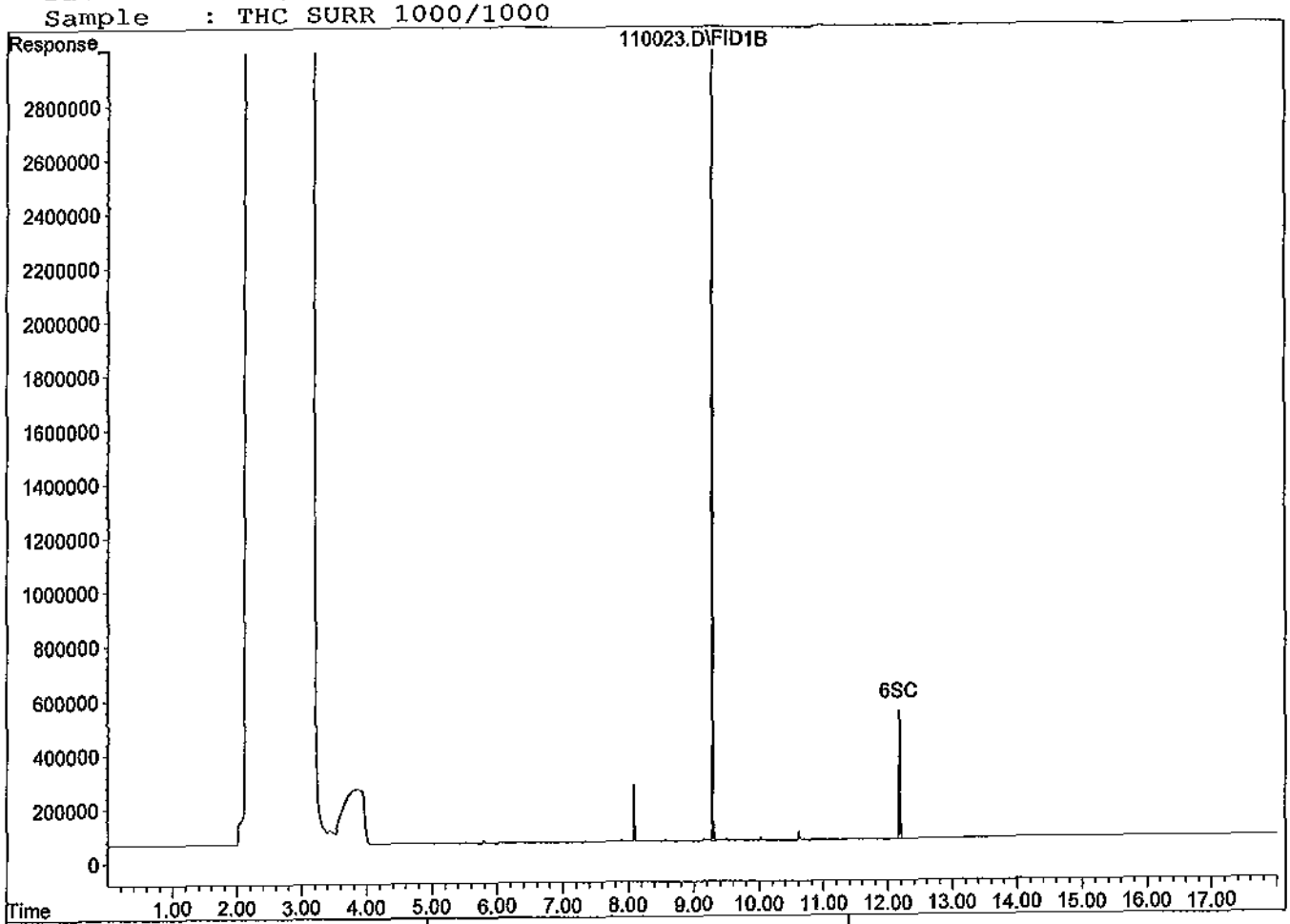
Data File : G:\APOLLO\DATA\120110\110023.D Vial: 23
Acq On : 1-10-12 23:55:18 Operator: LAC
Sample : THC SURR 1000/1000 Inst : Apollo
Misc : Mix(C) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 26 9:25 2012 Quant Results File: TPH110.RES

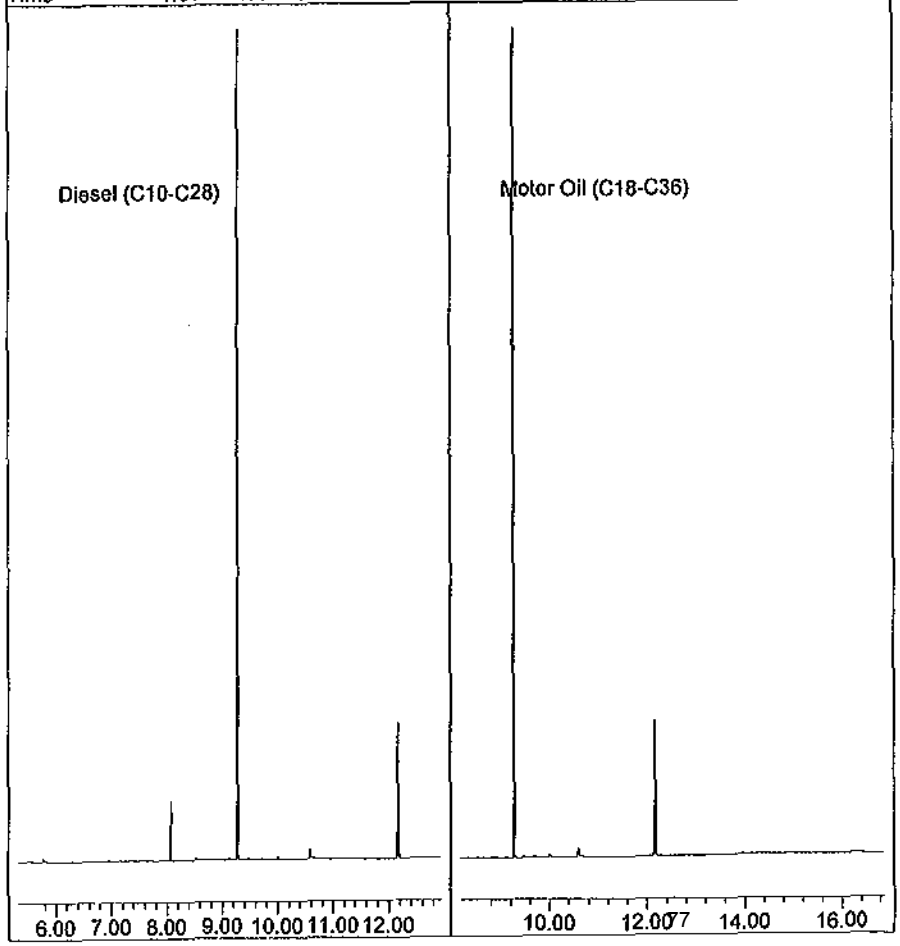
Method : G:\APOLLO\DATA\120110\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
4) SC Ortho-Terphenyl(S)	9.28	22873430	51.905	ppb
Surrogate Spike 30.000		Recovery =	173.02%	
6) SC Octacosane(S)	12.18	5915647	58.764	ppb
Surrogate Spike 30.000		Recovery =	195.88%	
Target Compounds				

Data File: G:\APOLLO\DATA\120110\110023.D
Sample : THC SURR 1000/1000





TPH Extractables
TPH110

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 66795
Date Analyzed: 01/30/12
Instrument: Apollo
Initial Cal. Date: 01/10/12
Data File: 126026, 027

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C28)	202470	209398	3.4	HATML	15
2	HBTM	Motor Oil (C18-C36)	80639	86474	7.2	HBTM	
3							
4							
5							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			3.4		

Quantitation Report (Not Reviewed)

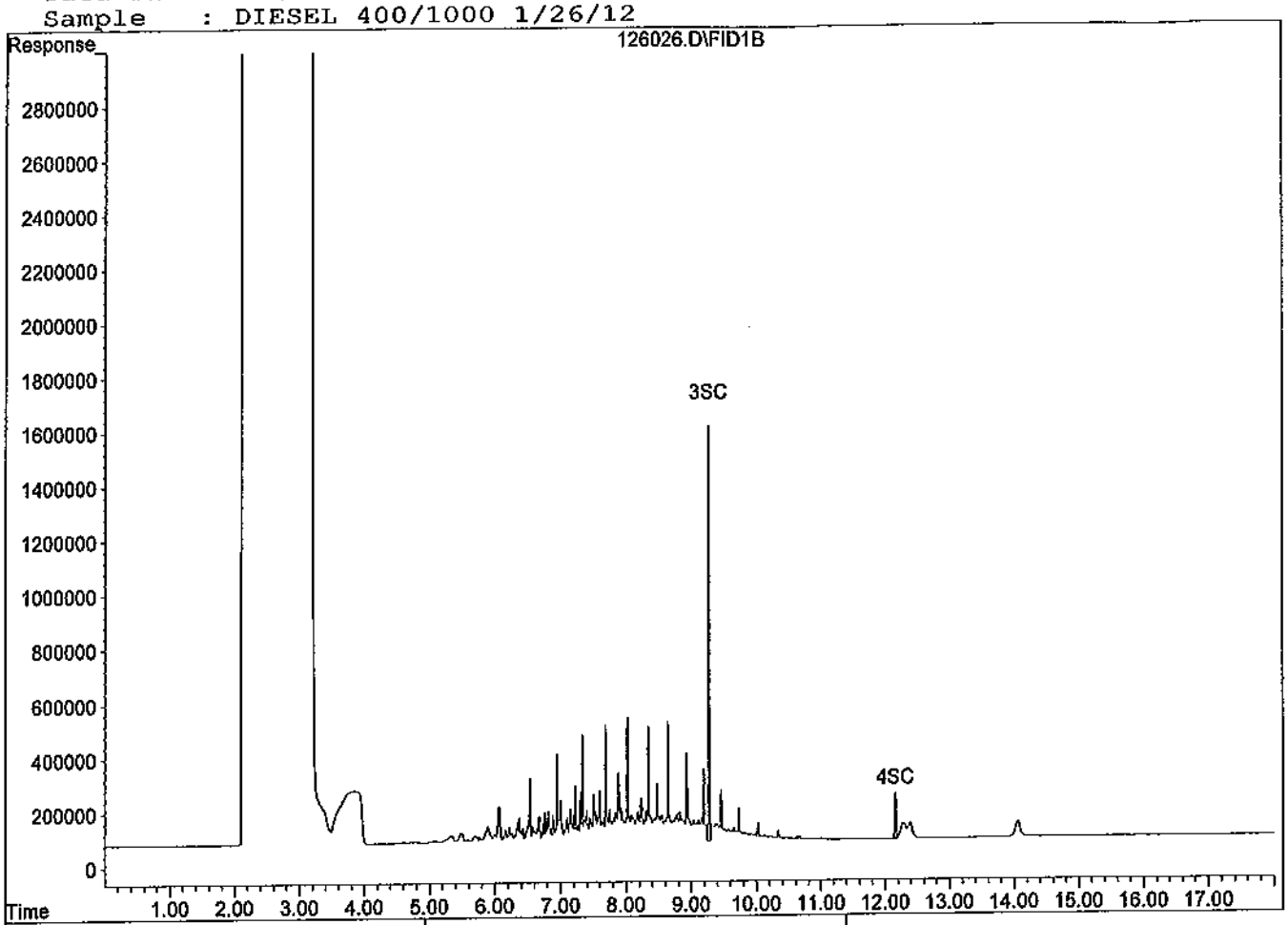
Data File : G:\APOLLO\DATA\120126\126026.D Vial: 26
Acq On : 1-30-12 15:20:23 Operator: LAC
Sample : DIESEL 400/1000 1/26/12 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 30 17:11 2012 Quant Results File: TPH110.RES

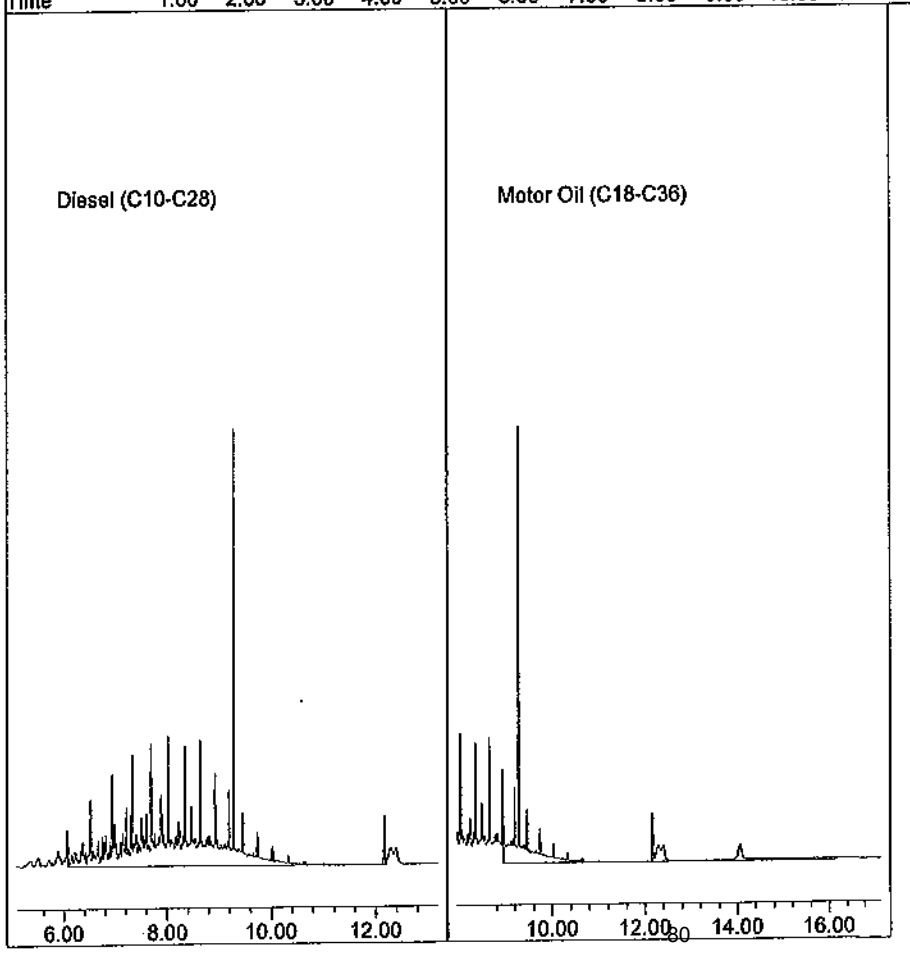
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.27	11052516	25.080 ppb
Surrogate Spike 30.000		Recovery =	83.60%
4) SC Octacosane(S)	12.16	2217139	19.376 ppb
Surrogate Spike 30.000		Recovery =	64.59%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	167518672	458.736 ppb
2) HBTM Motor Oil (C18-C36)	12.55	55417256	343.612 ppb

Data File: G:\APOLLO\DATA\120126\126026.D
Sample : DIESEL 400/1000 1/26/12





Quantitation Report (Not Reviewed)

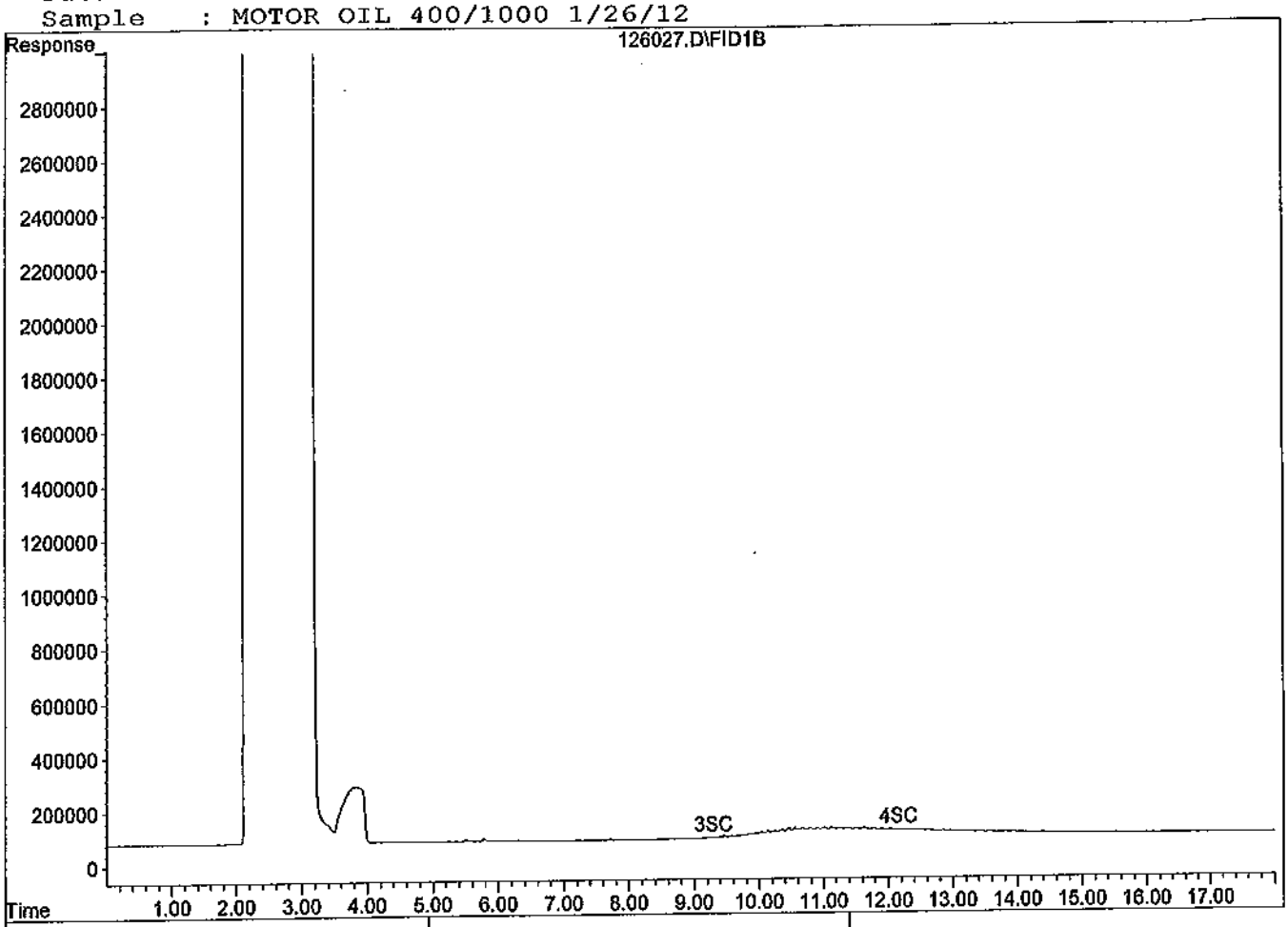
Data File : G:\APOLLO\DATA\120126\126027.D Vial: 27
Acq On : 1-30-12 15:44:09 Operator: LAC
Sample : MOTOR OIL 400/1000 1/26/12 Inst : Apollo
Misc : Mix(B) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 30 17:12 2012 Quant Results File: TPH110.RES

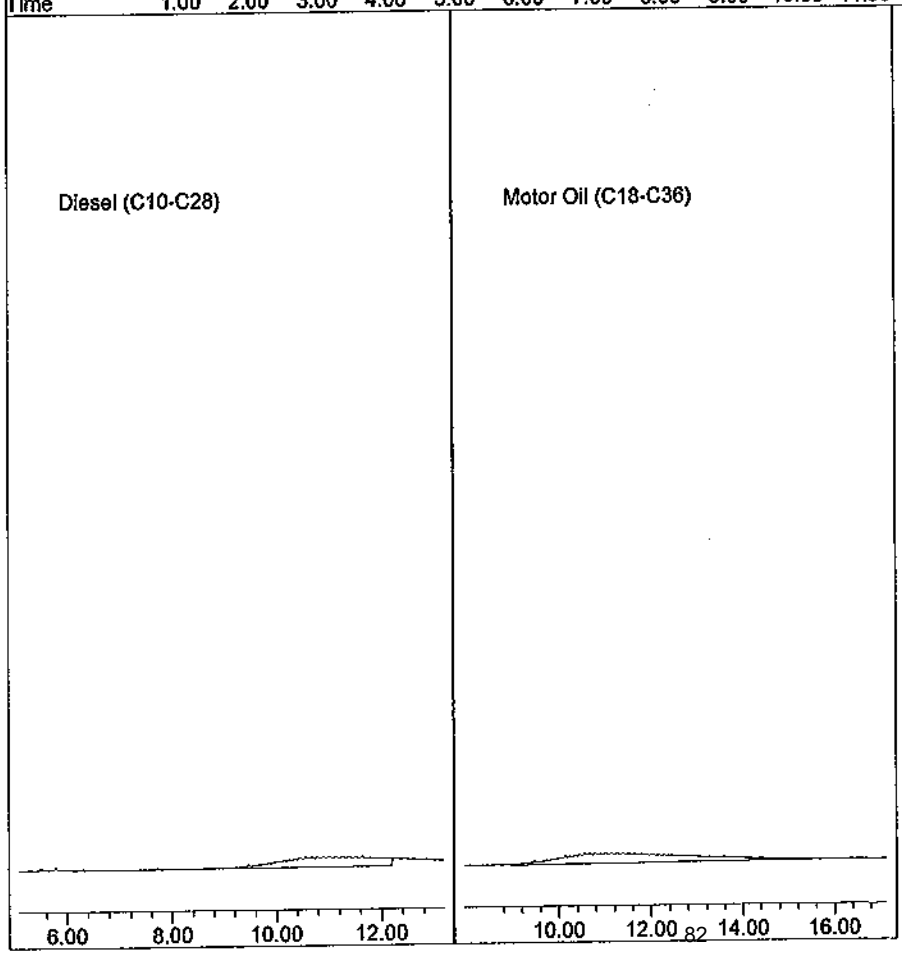
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.31	36093	0.082 ppb
Surrogate Spike 30.000	Recovery	=	0.27%
4) SC Octacosane(S)	12.16	60703	0.531 ppb
Surrogate Spike 30.000	Recovery	=	1.77%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	44776583	121.325 ppb
2) HBTM Motor Oil (C18-C36)	12.55	69179444	428.944 ppb

Data File: G:\APOLLO\DATA\120126\126027.D
Sample : MOTOR OIL 400/1000 1/26/12





TPH Extractables
TPH110

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 64795
Date Analyzed: 01/30/12
Instrument: Apollo
Initial Cal. Date: 01/10/12
Data File: 126041,42.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	202470	195445	3.5	HATML	7.0
2	HBTM	Motor Oil (C18-C36)	80639	96842	20	HBTM	
3							
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35							
36							
37							
38							
39							
40							
		Average			11.8		

Quantitation Report (Not Reviewed)

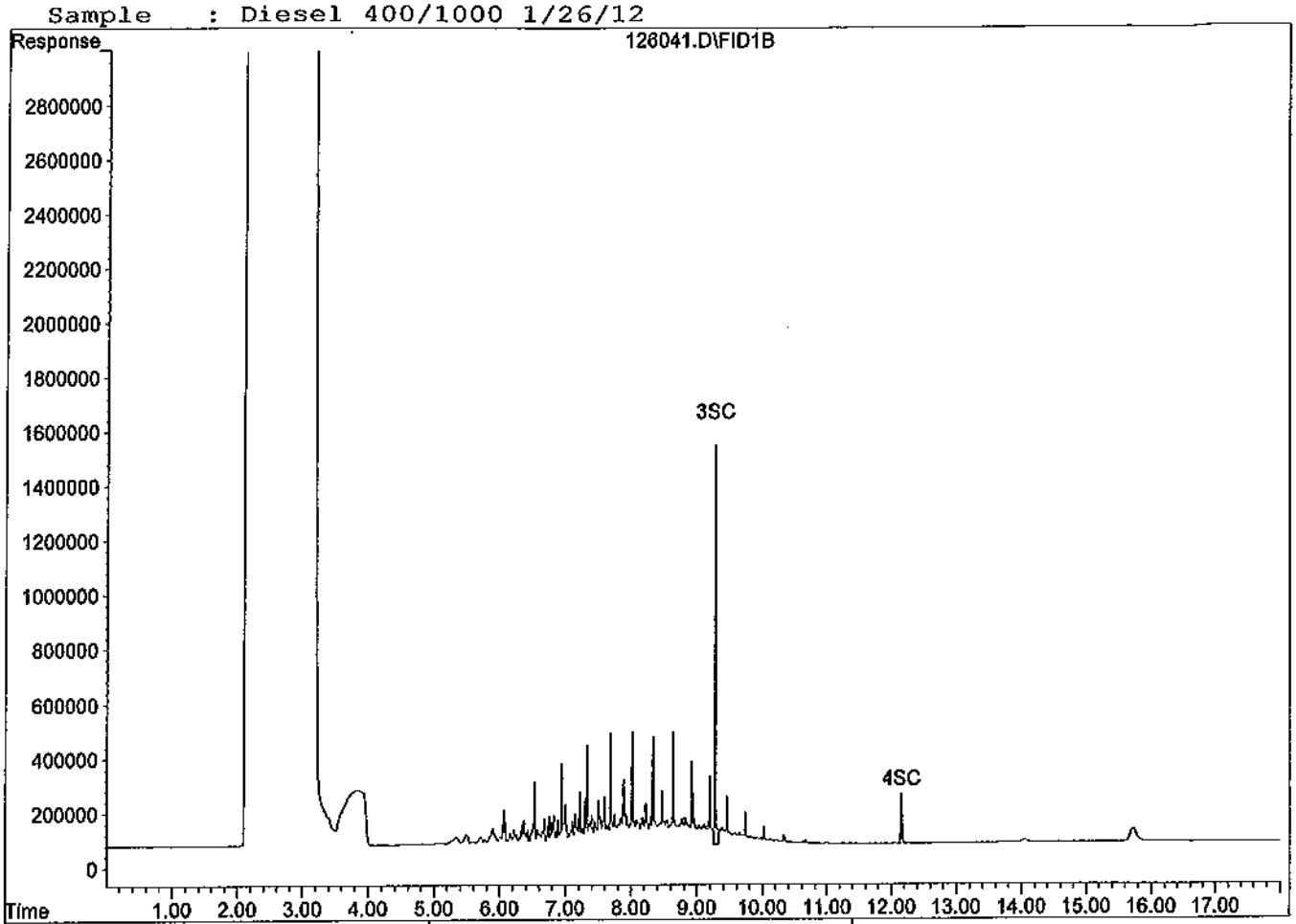
Data File : G:\APOLLO\DATA\120126\126041.D Vial: 41
Acq On : 1-30-12 21:33:48 Operator: LAC
Sample : Diesel 400/1000 1/26/12 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 31 8:43 2012 Quant Results File: TPH110.RES

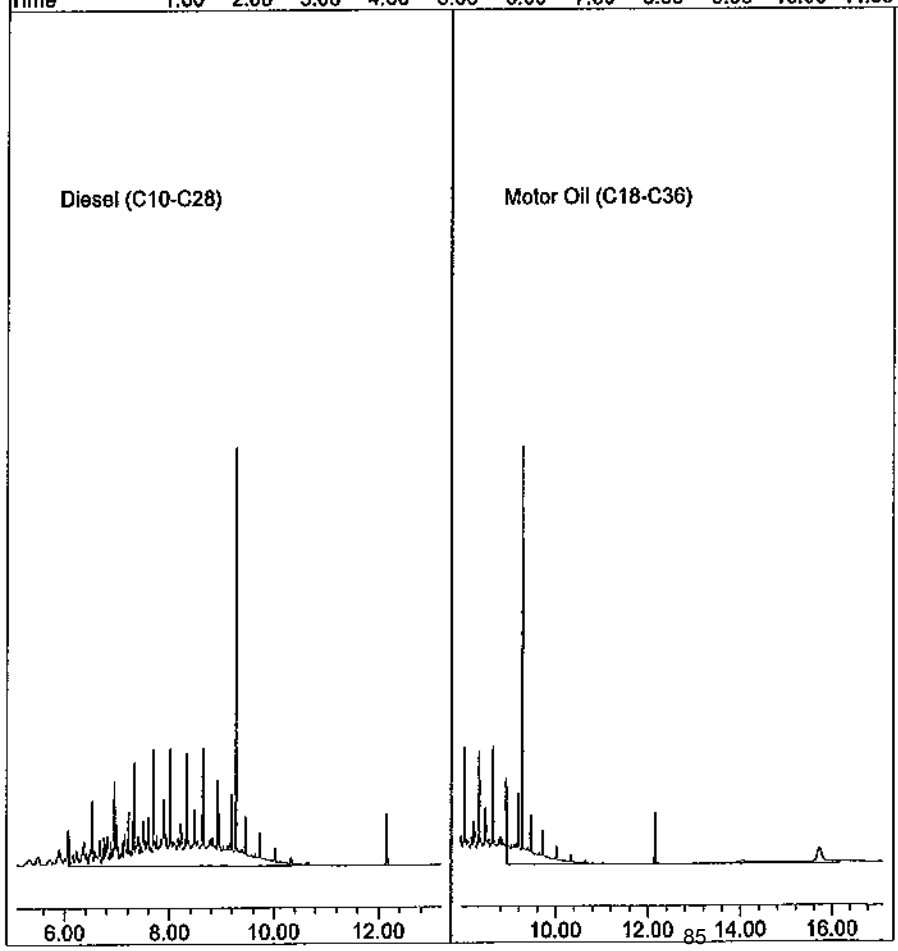
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.27	11859773	26.912 ppb
Surrogate Spike 30.000	Recovery =		89.71%
4) SC Octacosane(S)	12.16	2367043	20.686 ppb
Surrogate Spike 30.000	Recovery =		68.95%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	156356239	428.051 ppb
2) HBTM Motor Oil (C18-C36)	12.55	45417866	281.612 ppb

Data File: G:\APOLLO\DATA\120126\126041.D
Sample : Diesel 400/1000 1/26/12





Quantitation Report (Not Reviewed)

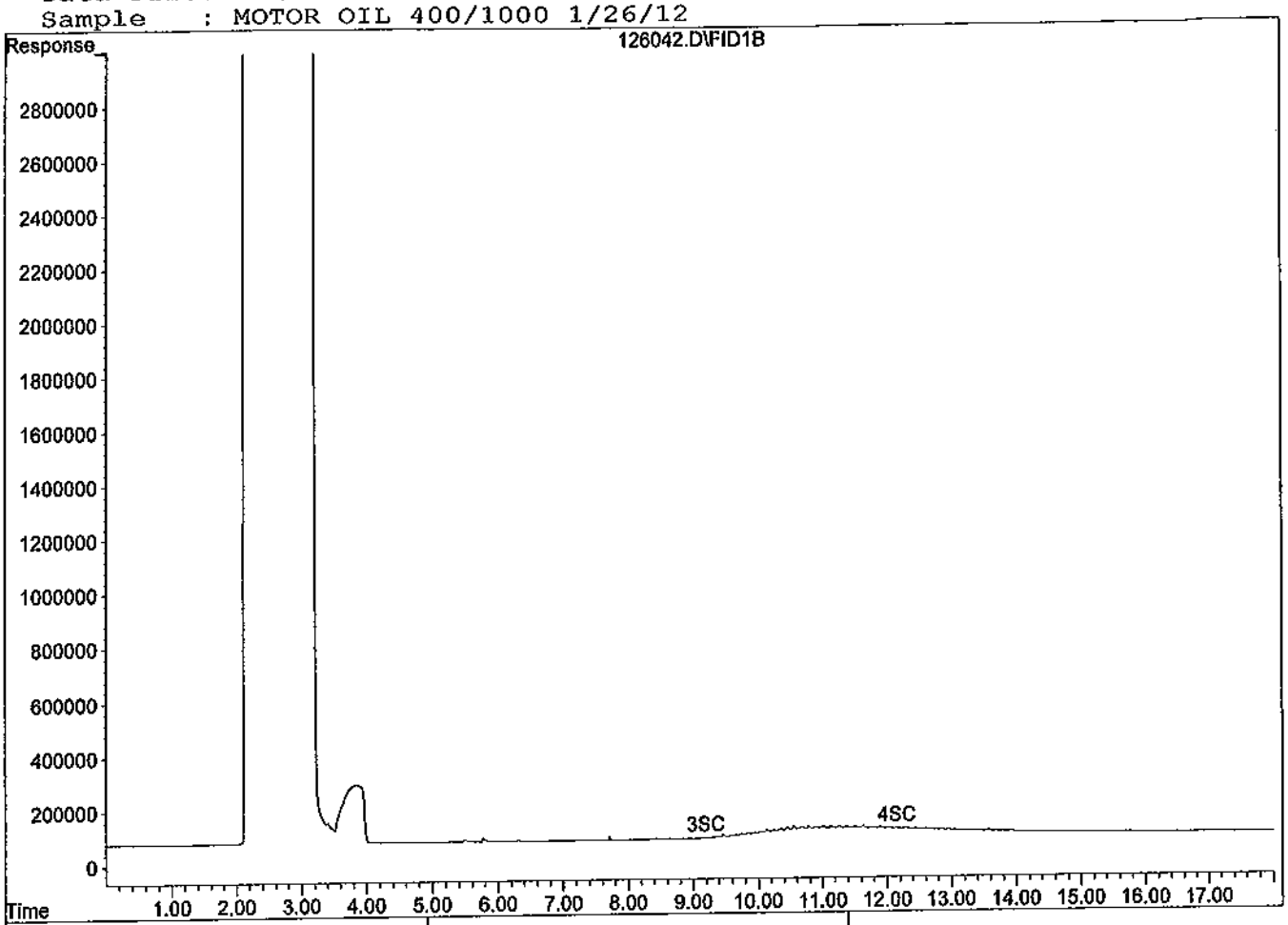
Data File : G:\APOLLO\DATA\120126\126042.D Vial: 42
Acq On : 1-30-12 21:57:24 Operator: LAC
Sample : MOTOR OIL 400/1000 1/26/12 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 31 8:44 2012 Quant Results File: TPH110.RES

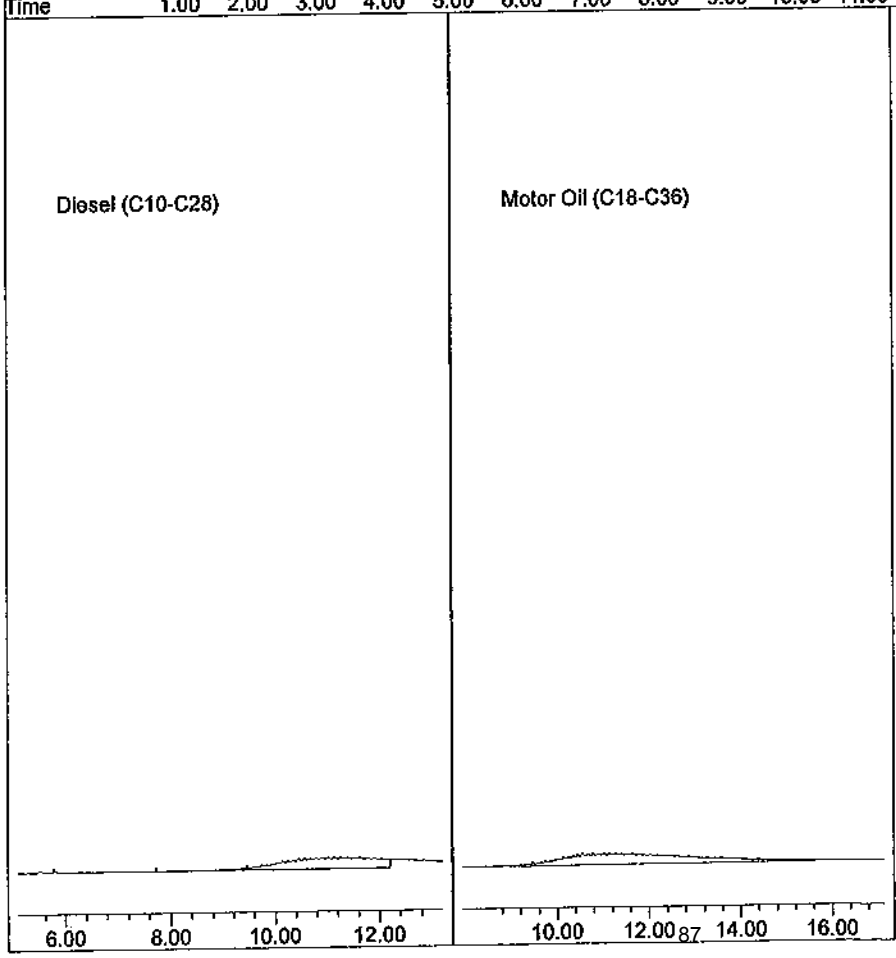
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.20f	54742	0.124 ppb
Surrogate Spike 30.000	Recovery	=	0.41%
4) SC Octacosane(S)	12.15	73154	0.639 ppb
Surrogate Spike 30.000	Recovery	=	2.13%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	48655585	131.988 ppb
2) HBTM Motor Oil (C18-C36)	12.55	77473481	480.371 ppb

Data File: G:\APOLLO\DATA\120126\126042.D
Sample : MOTOR OIL 400/1000 1/26/12





EPA 8015 Modified
Total Petroleum Hydrocarbons
Raw Data

Method Blank
TPH Diesel Water

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **120126W-53666 - 163455**
Batch ID: #TPETD-120126A

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	DIESEL FUEL	80.8 U	150	80.8	40.4	ug/L	01/26/12	01/30/12
BLANK	LUBE OIL	212.0 U	500	212.0	106.0	ug/L	01/26/12	01/30/12
BLANK	SURROGATE: OCTACOSANE (S)	89.2	28-142			%	01/26/12	01/30/12
BLANK	SURROGATE: ORTHO-TERPHEN	89.9	57-132			%	01/26/12	01/30/12

Quant Method:TPH110.M
Run #:126028
Instrument:Apollo
Sequence:120126
Initials:MA

GC SC-Blank-REG MDLs
Printed: 01/31/12 10:47:12 AM

Quantitation Report (QT Reviewed)

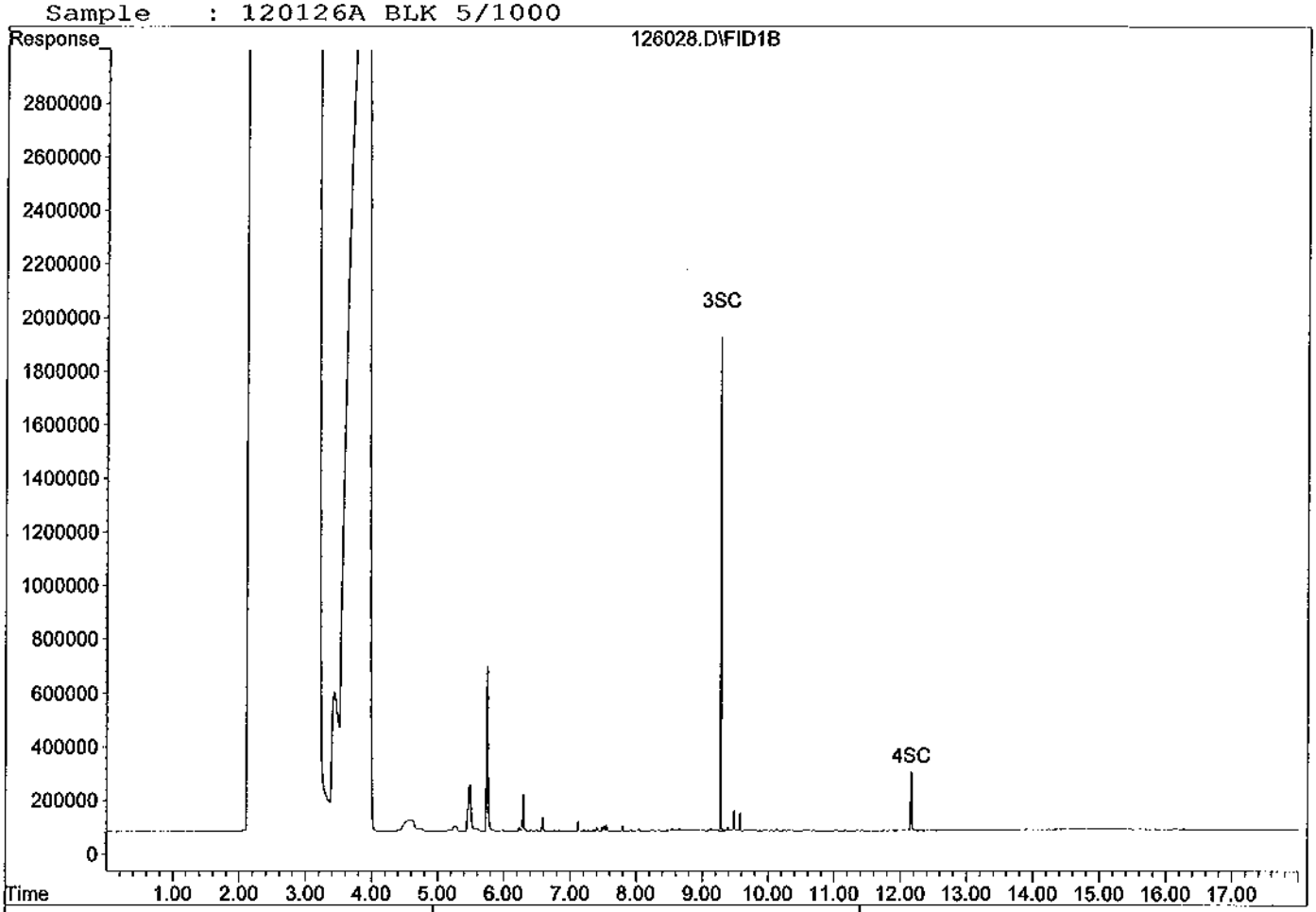
Data File : G:\APOLLO\DATA\120126\126028.D Vial: 28
Acq On : 1-30-12 16:25:49 Operator: LAC
Sample : 120126A BLK 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Jan 31 9:50 2012 Quant Results File: TPH110.RES

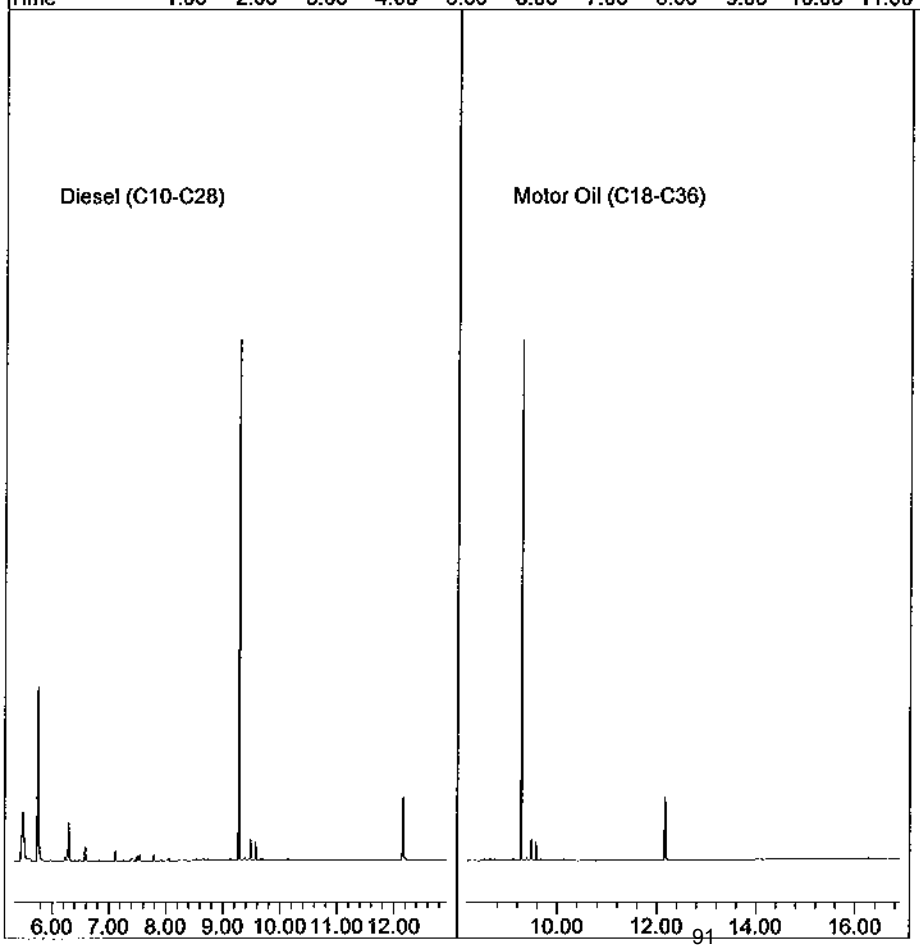
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.28	11889078	134.894 ppb
Surrogate Spike 150.000		Recovery =	89.93%
4) SC Octacosane(S)	12.16	3062004	133.799 ppb
Surrogate Spike 150.000		Recovery =	89.20%
Target Compounds			

Data File: G:\APOLLO\DATA\120126\126028.D
Sample : 120126A BLK 5/1000





Laboratory Control Spike Recovery
TPH Diesel Water

APPL ID: **120126W-53666 LCS - 163455**
Batch ID: #TPETD-120126A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
DIESEL FUEL	2000	1820	91.0	61-143
LUBE OIL	2000	1790	89.5	61-143
SURROGATE: OCTACOSANE (S)	150	124	82.7	28-142
SURROGATE: ORTHO-TERPHENYL (S)	150	171	114	57-132

Comments: _____

Primary	SPK
Quant Method :	TPH110.M
Extraction Date :	01/26/12
Analysis Date :	01/30/12
Instrument :	Apollo
Run :	126029
Initials :	MA

Printed: 01/31/12 10:47:13 AM

APPL Standard LCS

Quantitation Report (Not Reviewed)

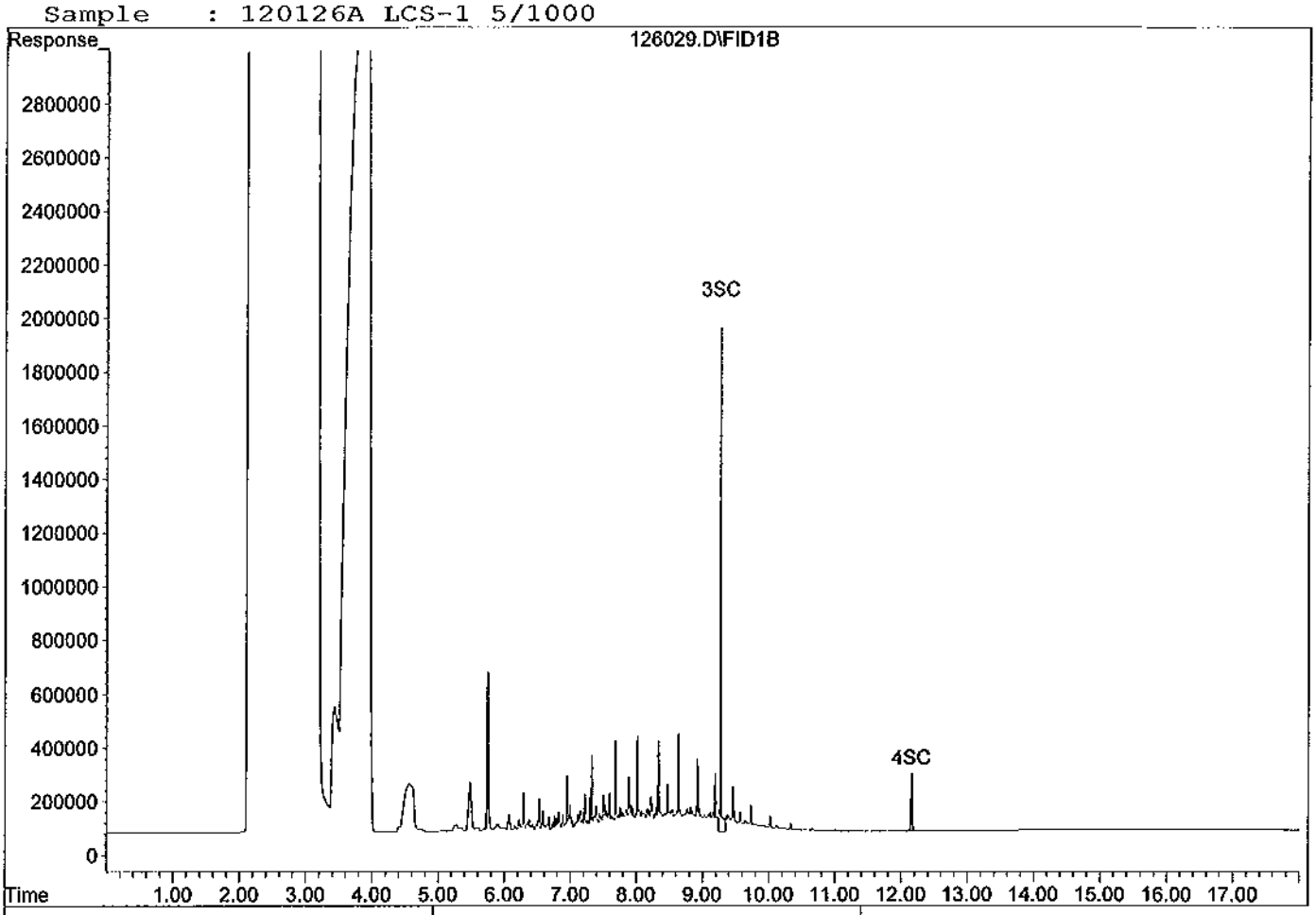
Data File : G:\APOLLO\DATA\120126\126029.D Vial: 29
Acq On : 1-30-12 16:49:31 Operator: LAC
Sample : 120126A LCS-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Jan 31 9:37 2012 Quant Results File: TPH110.RES

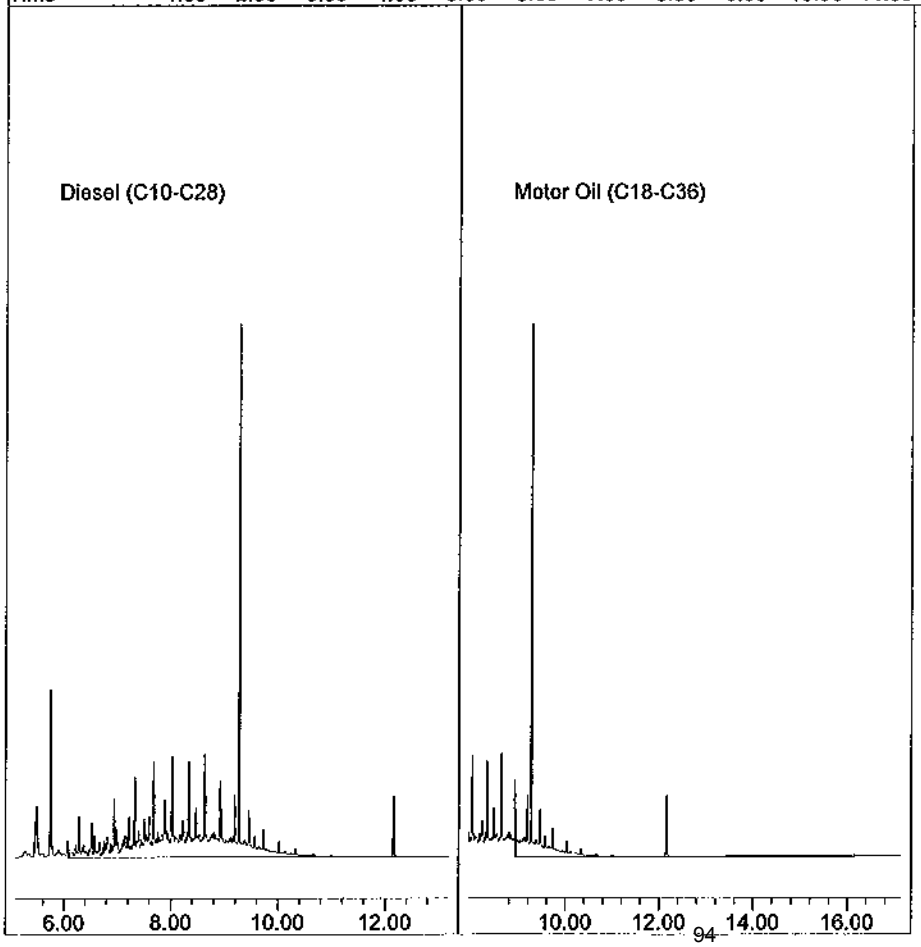
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.27	15053690	170.800 ppb
Surrogate Spike 150.000		Recovery =	113.87%
4) SC Octacosane(S)	12.16	2833146	123.798 ppb
Surrogate Spike 150.000		Recovery =	82.53%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	133368928	1824.302 ppb
2) HBTM Motor Oil (C18-C36)	12.55	40522485	1256.290 ppb

Data File: G:\APOLLO\DATA\120126\126029.D
Sample : 120126A LCS-1 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\120126\126030.D Vial: 30
Acq On : 1-30-12 17:13:17 Operator: LAC
Sample : 120126A LCS-2 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Jan 31 9:37 2012 Quant Results File: TPH110.RES

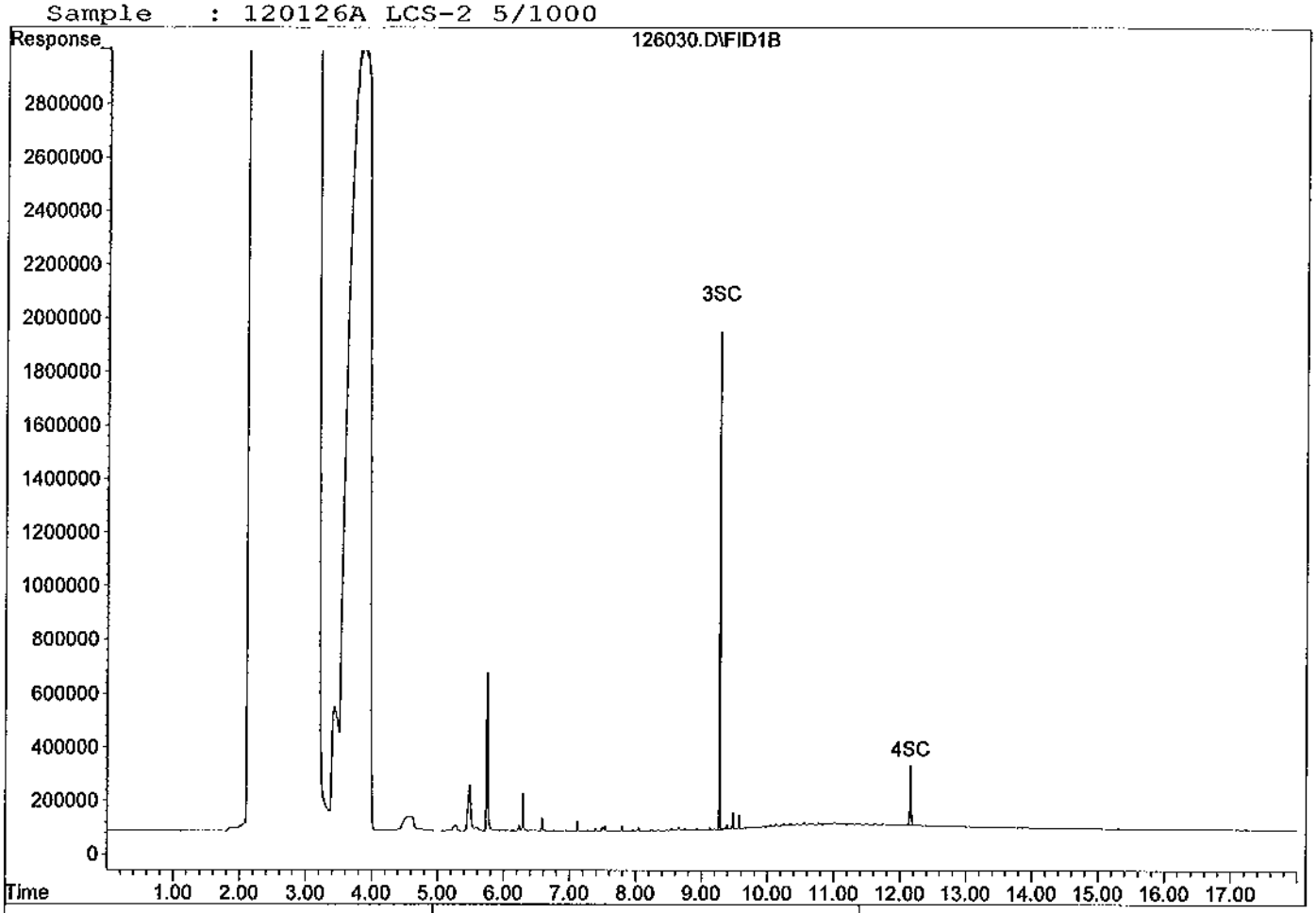
Method : G:\APOLLO\DATA\120126\TPH110.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Jan 26 09:27:09 2012
Response via : Multiple Level Calibration

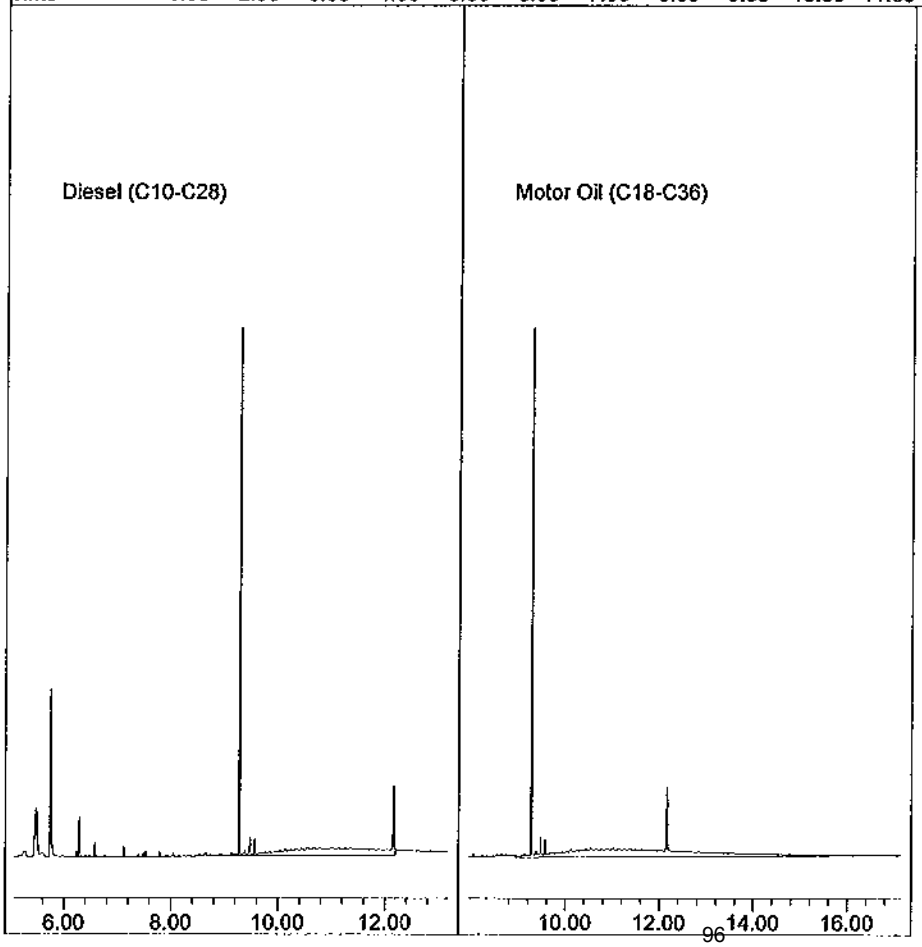
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SC Ortho-Terphenyl(S)	9.27	11966736	135.775 ppb
Surrogate Spike 150.000		Recovery =	90.52%
4) SC Octacosane(S)	12.16	3072457	134.256 ppb
Surrogate Spike 150.000		Recovery =	89.50%
Target Compounds			
1) HATM Diesel (C10-C28)	9.14	39973159	540.604 ppb
2) HBTM Motor Oil (C18-C36)	12.55	57680699	1788.234 ppb

Algorithm = $\frac{57680699 \times 5}{2 \times 80639} = 1788$

Data File: G:\APOLLO\DATA\120126\126030.D
Sample : 120126A LCS-2 5/1000





STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE / INITIALS	STA

DR 1/10/12

DIESEL 2ND SOURCE						
STD	Init. Conc	Source	Aliquot	Final Vol.	Final Conc.	Solvent
DIESEL STD.	1000µg/ml	O2SI	400µL	1 mL	400 µg/mL	MC
Lot:167768-29406	Prep:	10/26/11				52257
	Exp:	04/26/12				

TL 1/10/12 Ex 4/26/12

TCH SURROGATE CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
THC SURR	50		11/15/11	05/15/12	50	100	400	600	800	1000
MC		51257			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

TL 1/10/12 Ex 5/15/12

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		12/28/11	06/28/12	10	100	400	600	800	1000
MC		51257			990	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

TL 1/10/12 Ex 6/28/12

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		12/28/11	06/28/12	50	100	400	600	800	1000
MC		51257			950	900	600	400	200	NA
DR 1/10/12				Final VOL.	1000	1000	1,000	1000	1000	1000

TL 1/10/12 Ex 6/28/12

NOT used

DR 1/16/12

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE / INITIALS

DIESEL STANDARD

DIESEL FUEL #2	50,000ug/ml	O2SI	1000ml	50ML	1000ug/ml	MC # 51204	10/26/11 EX: 4/26/12

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
011598-03
Lot # 167768 Storage ≤ -10 Degrees C Expiry 2/15/15
Soln: Methylene Chloride
Diesel Fuel #2 Composite OP: 10/26/11
Lot #: 167768 - 29406 EX: 10/26/12
Rec: 8/26/11 MFR exp. 02/15/15

DIBENZYL OCTACHLOSANE	600ug/ml	O2SI	4170ml		50ug/ml		

CAT: 110316-05
LOT: 176405-29338
OP: 10/10/11
EX: 10/10/12

MOTOR OIL STANDARD

MOTOR OIL	50,000ug/ml	O2SI	1000ml	50ML	1000ug/ml	MC # 51204	10/26/11 EX: 4/26/12

OP: 10/26/11 EX: 10/26/12
O2Si Motor Oil Composite, 50,000 mg/L, 1 ml
116390-02 Storage: <= -10 Degrees C
Made in USA Lot No: 161898 Solvent: Methylene Chloride
Exp: 7/23/2013
Motor oil composite
Lot #: 161898 - 28616
Rec: 4/14/11 MFR exp. 07/23/13

		PAC ECO 2ND SOURCE			
DIAZINON	5ug/ml	200ug/ml	250ul	O2SI	10ml
DISULFOTON		200	CAT:	130169-01	HEXANE
MALATHION		200	LOT:	178204-29481	LOT#
MOLINATE		200	OP:	10/26/2011	082610B
PHORATE		200	EXP:	3/11/2012	
THIOBENCARB		200			
TRIBUTYL PHOSPHATE		200			
DEMETON		200			
DISCHLORVOS		200			
EPTC		200			
PARATHION		200			
AZINPHOS METHYL		200			
CHLORPYRIFOS		200			
DIMETHOATE		200			
METHIDATHION		200			
METHYL PARATHION		200			
ATRAZINE		200			
CYANIZINE		200			
TRIPHENYL PHOSPHATE		200			
PENDIMETHALIN (PROWL		200			
TRIFLURALIN		200			
SIMAZINE		200			

10/26/11

10/26/11
EX: 3/11/12

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOL'N LOT #	DATE / INITIALS

003

THC SURROGATE (* GIVEN TO EXTRACTIONS)

O-TERPHENYL DOTRIACONTANE	600ug/ml	O2SI CAT: 1103116-05 LOT: 176405-29685 Thru 683 OP: 12/28/11 EX: 12/28/12	N/A	25ML	600ug/ml	N/A	12/28/11 EX: ~~12/28/11~~ 12/28/11 12/28/12

DIESEL CCV 400ug/ml

STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
DIESEL STD.	1000UG/ML	O2SI	400µL	1mL	400 µg/ml	MC
		10/26/11	04/26/12			51204

12/28/11
EX: 4/26/12

MOTOR OIL CCV 400UG/ML

STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
MOTOR OIL STD	1000UG/ML	O2SI	400µL	1mL	400 µg/ml	MC
		10/26/11	04/26/12			51204

DIESEL CAL STD.

STD.	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT / LOT#
DIESEL FUEL #2	50,000 ug/mL	O2SI CAT#011598-03 LOT#179835-28848 OP:12/28/11 EXP:12/28/12	500µL	25mL	1000ug/mL	MC LOT# 110510F
O-TERPHENYL OCTACOSANE	600 ug/mL	O2SI CAT#1110316-05 LOT#176405-29679 OP:12/28/11EXP:12/28/12	2080µL		50ug/mL	

12/28/11
EX: 6/28/12

MOTOR OIL CAL STD

STD.	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT / LOT#
MOTOR OIL	50,000 ug/mL	O2SI CAT#116390-02 LOT#171383-28818 OP:12/28/11 EXP:12/28/12	500 µL	25mL	1000ug/mL	MC LOT# 110510F

12/28/11
EX: 6/28/12

DIESEL 2ND SOURCE

DIESEL FUEL #2	50,000ug/ml	O2SI CAT: 011598-03 LOT: 1677768-29405 OP: 12/28/11 EX: 12/28/12	500ml	25ML	1000ug/ml	MC #110510F	12/28/11 EX: 6/28/12

STANDARD	INITIAL CONC	SOURCE	DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE/ INITIALS
PCB SOIL SPIKE								
AR 1260	1000ng/µL	0251		1250µL	25mL	50ng/µL	ACETONE	
AR 1016	CAT: 130011-03						#081111B	11/10/11
	LOT: 163607-27215							EX: 2/10/12
	OP: 11/10/11							
	EX: 11/10/12							
	AND							
	LOT: 152374-27210							
	OP: 3/2/11							
	EX: 3/2/12							
PCB WATER SPIKE								
AR1016	1000ng/µL	0251		125µL	25mL	5ng/µL	ACETONE	
AR1260	CAT: 130011-03						#081111B	11/10/11
	LOT: 163607-27214							EX: 2/10/12
	OP: 8/2/11							
	EX: 8/2/12							
HERB 100/1000 (LVL 3) CCV								
VARIOUS	VARIOUS	HERB STD.		100µL	1mL	100ng/µL	MTBE	
SEE PG 075	PREP: 10/11/11						#5D112	11/10/11
	EX: 4/11/12							EX: 4/11/12
THC SURROGATE CAL STD.								
D-TERPINYL ACETATE	1000ng/µL	0251		834µL	10mL	50ng/µL	MC	
	CAT: 110316-05						#51204	11/15/11
	LOT: 176405-293412							EX: 5/15/12
	OP: 10/10/11							
	EX: 10/10/12							

LAC 11/15/11

THC SURROGATE CURVE

STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
THC SURR	50	176405	11/15/2011	5/15/2012	50	100	400	600	800	1000
MC		51204			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

LAC 11/15/11 EX 5/15/12

STANDARD	INITIAL CONC	SOURCE DATE	ALIQUOT	FINAL VOLUME	FINAL CONC	SOLVENT LOT #	DATE / INITIALS

017

MA FRACTIONATION SURROGATE

MA FRACTIONATION SURROGATE | 4000ug/ml | RESTEK | 125ml | 10ML | 50ug/ml | HEXANE | 1/24/12

RESTEK
Catalog # 3148
MA Fractionation Surrogate
Lot #: A084643 - 30173
Rec: 12/27/11 MFR exp. 11/30/18
MA Fractionation Surrogate Spike Mix
4000 ug/mL each in Hexane
Lot# A084643 Exp Date: 11/2018 Store: 10°C or colder
OP: 1/24/12 EX: 1/24/13
1/24/12

010711A

EX: 4/24/12

MA FRACTIONATION SURR CCV					
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL
MA FRAC. SURR	50		01/24/12	04/24/12	400
HEXANE		010711A			600
				Final VOL.	1,000

MA 1/25/12
EX 4/24/12

Carbon Markers

C8-C40 | 500ug/ml | O2SI | 1000ml | 10ML | 50ug/ml | MC | 1/26/12

TRPH Standard (C8-C40), 500 mg/L, 5 x 1 ml
O2SI smart solutions
Cat. No: 110400-05-01-5PAK Exp: 4/6/2015
Lot No: 157984 Storage: </= -10 Degrees C
Solvent: Hexane
TRPH Standard (C8-C40)
Lot #: 157984 - 29410
Rec: 8/26/11 MFR exp. 04/06/15
mption For Research Use Only
te Opened: 1/26/12 EX: 1/26/13
1/26/12

51257

EX: 7/26/12

C9-C39 | 1000ug/ml | O2SI | 1000ml | 100ug/ml

Carbon Marker, (C9-C39 Odds Only), 1,000 mg/L, 2 x 1 ml
O2SI smart solutions Cat. No: 110498-01 Storage: </= 6 Degrees C
Made in USA Lot No: 159387 Solvent: Hexane
Exp: 5/16/2015 OP: 1/26/12 EX: 1/26/13
Date Oper Carbon Marker (c9-C39 Odds)
Lot #: 159387 - 28513
Rec: 3/16/11 MFR exp. 05/16/15
1/26/12

DIESEL CCV 400ug/ml						
STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
DIESEL STD.	1000UG/ML	O2SI	400µL	1mL	400 µg/ml	MC
		12/28/11	06/28/12			51204

1/26/12
EX: 6/28/12

MOTOR OIL CCV 400UG/ML						
STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
MOTOR OIL STD	1000UG/ML	O2SI	400µL	1mL	400 µg/ml	MC
		12/28/11	06/28/12			51204

STANDARD 004

	INITIAL CONC	SOURCE / DATE	FINAL CONC	LOT #	DATE / INITIALS

PREP DATE:	12/28/11					
OP 2ND SOURCE						
EXP:	04/27/12					
SUPPLIER	ID#	[µg/mL]	LOT #	DATE	EXP. DATE	µL
	OP 2ND SRC	6		12/02/11	04/27/12	500
VWR	HEXANE		010711A			500
					Final VOL.	1000

12/28/11
EX: 4/27/12

PREP DATE:	12/28/11												
OPF CURVE													
EXP:	02/07/12			12/28/11									
						TA	1	2	3	4	5	6	
SUPPLIER	ID#	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL	µL	
	OPF STD	5		~~12/07/11~~	02/07/12	2	10	50	200	500	700	1000	
	Hexane		010711A	12/28/11		998	990	950	800	500	300	NA	
					Final VOL.	1000	1000	1000	1000	1000	1000	1000	

12/28/11
EX: 2/7/12

DIESEL SPIKE

DIESEL FUEL #2 — 50,000ug/mL — O2SI — 2000mL — 50mL — 2000ug/mL — MC — #110510F — 12/28/11 — EX: 3/28/12

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
811598-03
Lot # 179635 | Storage ≤-10 Degrees C | Expiry 11/8/15
Solvt Methylene Chloride
Diesel Fuel #2 Composite OP: 12/28/11 EX: 12/28/12
Lot #: 179635 - 29647
Rec: 10/13/11 MFR exp. 11/08/15
12/28/11

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
811598-03
Lot # 179635 | Storage ≤-10 Degrees C | Expiry 11/8/15
Solvt Methylene Chloride
Diesel Fuel #2 Composite OP: 12/28/11 EX: 12/28/12
Lot #: 179635 - 29646
Rec: 10/13/11 MFR exp. 11/08/15

MOTOR OIL SPIKE

MOTOR OIL — 50,000ug/mL — O2SI — 3000mL — 75mL — 2000ug/mL — MC — #110510F — 12/28/11 — EX: 3/28/12

12/28/11
o2si smart solutions — Motor Oil Composite, 50,000 mg/L, 1 ml
116390-02 — Storage: </= -10 Degrees C
Made in USA — Lot No: 161898 — Solvent: Methylene Chloride
Exp: 7/23/2013 — OP: 12/28/11
Date Open — Motor oil composite — EX: 12/28/12
Lot #: 161898 - 27589
Rec: 10/18/10 MFR exp. 07/23/13

12/28/11
o2si smart solutions — Motor Oil Composite, 50,000 mg/L, 1 ml
116390-02 — Storage: </= -10 Degrees C
Made in USA — Lot No: 161898 — Solvent: Methylene Chloride
Exp: 7/23/2013 — OP: 12/28/11
Date Open — Motor oil composite — EX: 12/28/12
Lot #: 161898 - 27588
Rec: 10/18/10 MFR exp. 07/23/13

Motor Oil Composite, 50,000 mg/L, 1 ml
116390-03
Lot # 171363 | Storage ≤-10 Degrees C | Expiry 4/9/14
Solvt Methylene Chloride
Motor oil composite OP: 12/28/11 EX: 12/28/12
Lot #: 171363 - 28642
Rec: 4/20/11 MFR exp. 04/09/14
12/28/11

"SEP011

Organic Extraction Worksheet

Method	THC Separatory Funnel Extraction 3510C	Extraction Set	120126A	Extraction Method	SEP011	Units	mL

Spiked ID 1	Diesel Spike 12-28-11 EX 03-28-12		Surrogate ID 1	THC Surrogate 176405-29683	
Spiked ID 2	Motor Oil Spike 12-2-11 EX 03-02-12		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:	02/06/12 0:00	

pH1			Water Bath Temp Criteria	80 °C
pH2				
pH3				

Spiked By: DL **Date** 01/26/12 **Witnessed By:** GH **Date** 01/26/12

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	120126A Blk				0.250	1	1000	5	7	01/26/12 16:30	
						equip	E-WB5				
2	120126A LCS-1		1	1	0.250	1	1000	5	7	01/26/12 16:30	
						equip	E-WB5				
3	120126A LCS-2		1	2	0.250	1	1000	5	7	01/26/12 16:30	
						equip	E-WB5				
4	AY53434	AY53434W08			0.250	1	1050	5	7	01/26/12 16:30	66769-2 WEEK RUSH -- Amber Liter
						equip	E-WB5				
5	AY53436	AY53436W06			0.250	1	1050	5	7	01/26/12 16:30	66769-2 WEEK RUSH -- Amber Liter
						equip	E-WB5				
6	AY53437	AY53437W07			0.250	1	1050	5	7	01/26/12 16:30	66769-2 WEEK RUSH -- Amber Liter
						equip	E-WB5				
7	AY53438	AY53438W07			0.250	1	1050	5	7	01/26/12 16:30	66769-2 WEEK RUSH -- Amber Liter
						equip	E-WB5				
8	AY53462	AY53462W05			0.250	1	1050	5	7	01/26/12 16:30	66773 -- Amber Liter
						equip	E-WB5				
9	AY53463	AY53463W06			0.250	1	1050	5	7	01/26/12 16:30	66773 -- Amber Liter
						equip	E-WB6				
10	AY53464	AY53464W05			0.250	1	1050	5	7	01/26/12 16:30	66773 -- Amber Liter
						equip	E-WB6				
11	AY53666	AY53666W07			0.250	1	1050	5	7	01/26/12 16:30	66795-2 WEEK RUSH -- Amber Liter
						equip	E-WB6				
12	AY53667	AY53667W07			0.250	1	1050	5	7	01/26/12 16:30	66795-2 WEEK RUSH -- Amber Liter
						equip	E-WB5				
13	AY53668	AY53668W07			0.250	1	1050	5	7	01/26/12 16:30	66795-2 WEEK RUSH -- Amber Liter
						equip	E-WB6				
14	AY53671	AY53671W05			0.250	1	1050	5	7	01/26/12 16:30	66796-2 WEEK RUSH -- Amber Liter
						equip	E-WB7				

Solvent and Lot#	
MC	EMD 51257
Na2SO4	2351C512

Extraction COC Transfer	
Extraction lab employee Initials	DRA
GC analyst's initials	
Date	1/30/12
Time	14:50
Refrigerator	HOBART

	Technician's Initials
Scanned By	GH
Sample Preparation	GH
Extraction	GH
Concentration	DL

Modified	01/26/12 2:42:37 PM

Reviewed By: DRA **Date** 01/27/12

SEP011

Organic Extraction Worksheet

Method	THC Separatory Funnel Extraction 3510C	Extraction Set	120126A	Extraction Method	SEP011	Units	mL

Spiked ID 1	Diesel Spike 12-28-11 BX 03-28-12		Surrogate ID 1	THC Surrogate 176405-29683	
Spiked ID 2	Motor Oil Spike 12-2-11 EX 03-02-12		Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	NO	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:	02/06/12 0:00	

pH1			Water Bath Temp Criteria	80 °C
pH2				
pH3				

Spiked By: DL **Date** 01/26/12 **Witnessed By:** GH **Date** 01/26/12

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
15	AY53672	AY53672W08			0.250	1	1050	5	7	01/26/12 16:30	66796-2 WEEK RUSH -- Amber Liter
						equip	E-WB7				
16	AY53673	AY53673W07			0.250	1	1050	5	7	01/26/12 16:30	66796-2 WEEK RUSH -- Amber Liter
						equip	E-WB7				
17	AY53674	AY53674W05			0.250	1	1050	5	7	01/26/12 16:30	66796-2 WEEK RUSH -- Amber Liter
						equip	E-WB7				
18	AY53675	AY53675W08			0.250	1	1050	5	7	01/26/12 16:30	66796-2 WEEK RUSH -- Amber Liter
						equip	E-WB7				

Solvent and Lot#	
MC	EMD 51257
Na2SO4	2351C512

Extraction COC Transfer	
Extraction lab employee Initials	DRA
GC analyst's initials	
Date	1/30/12
Time	14:50
Refrigerator	HOBBIT

	Technician's Initials
Scanned By	GH
Sample Preparation	GH
Extraction	GH
Concentration	DL

Modified	01/26/12 2:42:37 PM

Reviewed By: DRA **Date** 01/27/12

Injection Log

Directory: G:\APOLLO\DATA\120110\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	110005.D	1	DIESEL 10/1000 1/10/12	Mix(A)	1-10-12 16:51:33
2	6	110006.D	1	DIESEL 100/1000 1/10/12	Mix(A)	1-10-12 17:15:27
3	7	110007.D	1	DIESEL 400/1000	Mix(A)	1-10-12 17:39:13
4	8	110008.D	1	DIESEL 600/1000	Mix(A)	1-10-12 18:02:56
5	9	110009.D	1	DIESEL 800/1000	Mix(A)	1-10-12 18:26:41
6	10	110010.D	1	DIESEL 1000/1000	Mix(A)	1-10-12 18:50:21
7	11	110011.D	1	MOTOR OIL 50/1000 1/10/12	Mix(B)	1-10-12 19:14:04
8	12	110012.D	1	MOTOR OIL 100/1000	Mix(B)	1-10-12 19:37:39
9	13	110013.D	1	MOTOR OIL 400/1000	Mix(B)	1-10-12 20:01:12
10	14	110014.D	1	MOTOR OIL 600/1000	Mix(B)	1-10-12 20:24:46
11	15	110015.D	1	MOTOR OIL 800/1000	Mix(B)	1-10-12 20:48:17
12	16	110016.D	1	MOTOR OIL 1000/1000	Mix(B)	1-10-12 21:11:50
13	17	110017.D	1	DIESEL 2ND SRC 400/1000 1/10/12	Mix(A)	1-10-12 21:35:15
14	18	110018.D	1	THC SURR 10/1000 1/10/12	Mix(C)	1-10-12 21:58:40
15	19	110019.D	1	THC SURR 100/1000	Mix(C)	1-10-12 22:22:01
16	20	110020.D	1	THC SURR 400/1000	Mix(C)	1-10-12 22:45:24
17	21	110021.D	1	THC SURR 600/1000	Mix(C)	1-10-12 23:08:42
18	22	110022.D	1	THC SURR 800/1000	Mix(C)	1-10-12 23:32:00
19	23	110023.D	1	THC SURR 1000/1000	Mix(C)	1-10-12 23:55:18
20	26	126026.D	1	DIESEL 400/1000 1/26/12	Mix(A)	1-30-12 15:20:23
21	27	126027.D	1	MOTOR OIL 400/1000 1/26/12	Mix(B)	1-30-12 15:44:09
22	28	126028.D	5	120126A BLK 5/1000	Water	1-30-12 16:25:49
23	29	126029.D	5	120126A LCS-1 5/1000	Water	1-30-12 16:49:31
24	30	126030.D	5	120126A LCS-2 5/1000	Water	1-30-12 17:13:17
25	38	126038.D	4.7619	AY53666W07 5/1050	Water	1-30-12 20:22:50
26	39	126039.D	4.7619	AY53667W07 5/1050	Water	1-30-12 20:46:29
27	40	126040.D	4.7619	AY53668W07 5/1050	water	1-30-12 21:10:09
28	41	126041.D	1	Diesel 400/1000 1/26/12	Mix(A)	1-30-12 21:33:48
29	42	126042.D	1	MOTOR OIL 400/1000 1/26/12	Water	1-30-12 21:57:24

EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons

APPL, INC.

EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
QC Summary

APPL, INC.

Method Blank
EPA 8270D SIM

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **120127W-53434 - 163643**
Batch ID: #SIMHC-120127A

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	BENZO(A)PYRENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
BLANK	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
BLANK	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
BLANK	SURROGATE: 2-FLUORBIPHENY	51.7	50-110			%	01/27/12	01/30/12
BLANK	SURROGATE: NITROBENZENE-	58.5	40-110			%	01/27/12	01/30/12
BLANK	SURROGATE: TERPHENYL-D14 (	53.4	50-135			%	01/27/12	01/30/12

Quant Method:SIM2.M
Run #:0130L003
Instrument:Linus
Sequence:L111027
Initials:LF

GC SC-Blank-REG MDLs
Printed: 02/06/12 12:36:40 PM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/30/12

Matrix: WATER Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: 2-FLUORBIPHENYL (S)			SURROGATE: NITROBENZENE-D5 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
120127A-BLK	Blank	50-110	51.7		40-110	58.5	
120127A-LCS	Lab Control Spike	50-110	56.5		40-110	63.5	
AY53666	ES057	50-110	54.8		40-110	60.5	
AY53667	ES058	50-110	50.8		40-110	62.4	
AY53668	ES059	50-110	58.5		40-110	71.1	

Comments: Batch: #SIMHC-120127A

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/30/12

Matrix: WATER Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: TERPHENYL-D14 (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
120127A-BLK	Blank	50-135	53.4				
120127A-LCS	Lab Control Spike	50-135	59.0				
AY53666	ES057	50-135	53.0				
AY53667	ES058	50-135	55.5				
AY53668	ES059	50-135	55.3				

Comments: Batch: #SIMHC-120127A

Laboratory Control Spike Recovery
EPA 8270D SIM

APPL ID: **120127W-53434 LCS - 163643**
Batch ID: #SIMHC-120127A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
1-METHYLNAPHTHALENE	4.00	2.64	66.0	45-105
2-METHYLNAPHTHALENE	4.00	2.50	62.5	45-105
ACENAPHTHENE	4.00	2.68	67.0	45-110
ACENAPHTHYLENE	4.00	2.63	65.8	50-105
ANTHRACENE	4.00	2.82	70.5	55-110
BENZO(A)ANTHRACENE	4.00	2.44	61.0	55-110
BENZO(A)PYRENE	4.00	2.69	67.3	55-110
BENZO(B)FLUORANTHENE	4.00	2.26	56.5	45-120
BENZO(GHI)PERYLENE	4.00	2.59	64.8	40-125
BENZO(K)FLUORANTHENE	4.00	3.86	96.5	45-125
CHRYSENE	4.00	3.06	76.5	55-110
DIBENZ(A,H)ANTHRACENE	4.00	2.38	59.5	40-125
FLUORANTHENE	4.00	2.99	74.8	55-115
FLUORENE	4.00	3.10	77.5	50-110
INDENO(1,2,3-CD)PYRENE	4.00	2.58	64.5	45-125
NAPHTHALENE	4.00	2.47	61.8	40-100
PHENANTHRENE	4.00	2.72	68.0	50-115
PYRENE	4.00	2.70	67.5	50-130
SURROGATE: 2-FLUORBIPHENYL (S)	2.00	1.13	56.5	50-110
SURROGATE: NITROBENZENE-D5 (S)	2.00	1.27	63.5	40-110
SURROGATE: TERPHENYL-D14 (S)	2.00	1.18	59.0	50-135

Comments: _____

Primary	SPK
Quant Method :	SIM2.M
Extraction Date :	01/27/12
Analysis Date :	01/30/12
Instrument :	Linus
Run :	0130L004
Initials :	LF

Printed: 02/06/12 12:36:47 PM

APPL Standard LCS

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/30/12

Matrix: WATER Instrument: Linus

Blank ID: 120127A-BLK Time Analyzed: 1901

APPL ID.	Client Sample No.	File ID.	Date Analyzed
120127A-BLK	Blank	0130L003	01/30/12 1901
120127A-LCS	Lab Control Spike	0130L004	01/30/12 1927
AY53666	ES057	0130L009	01/30/12 2134
AY53667	ES058	0130L010	01/30/12 2159
AY53668	ES059	0130L011	01/30/12 2224

Comments: Batch: #SIMHC-120127A

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 66795
Matrix: Water
ID: SVTUNE 10-27-11

SDG No: 66795
Date Analyzed: 01/30/12
Instrument: Linus
Time Analyzed: 18:18

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Blank	120127A BLK 1/1000	0130L003.D	01/30/12 19:01
2	Lab Control Spike	120127A LCS-1 1/1000	0130L004.D	01/30/12 19:27
3	ES057	AY53666W06 1/1000	0130L009.D	01/30/12 21:34
4	ES058	AY53667W06 1/1010	0130L010.D	01/30/12 21:59
5	ES059	AY53668W04 1/1050	0130L011.D	01/30/12 22:24
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	29.95 - 60% of mass 198	53.3
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.7
127	40 - 60% of mass 198	59.9
197	0 - 1% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	7.3
275	10 - 30% of mass 198	25.3
365	1 - 100% of mass 198	3.7
441	0.01 - 100% of mass 443	75.2
442	40 - 150% of mass 198	92.0
443	17 - 23% of mass 442	20.4

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: SDG No.: 66795

Lab File ID (Standard): 1028L007.D Date Analyzed: 10/28/11

Instrument ID: Linus Time Analyzed: 11:58

GC Column: ID: Heated Purge: (Y/N)

		Napthalene-D8(IS)		Acenaphthene-D10(IS)		Phenanthrene-D10(IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	2479	6.12	1083	8.11	1851	9.85
	UPPER LIMIT	4958	6.62	2166	8.61	3702	10.35
	LOWER LIMIT	1240	5.62	542	7.61	926	9.35
	SAMPLE NO.						
01	120127A BLK 1/1000	2319	6.12	976	8.10	2166	9.86
02	120127A LCS-1 1/1000	1952	6.11	953	8.10	2053	9.84
03	AY53666W06 1/1000	2168	6.12	936	8.10	1793	9.85
04	AY53667W06 1/1010	2267	6.12	1113	8.10	2199	9.85
05	AY53668W04 1/1050	2299	6.11	1165	8.10	2030	9.85
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: SDG No.: 66795

Lab File ID (Standard): 1028L007.D Date Analyzed: 10/28/11

Instrument ID: Linus Time Analyzed: 11:58

GC Column: ID: Heated Purge: (Y/N)

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	2378	12.93	1871	14.56		
	UPPER LIMIT	4756	13.43	3742	15.06		
	LOWER LIMIT	1189	12.43	936	14.06		
	SAMPLE NO.						
01	120127A BLK 1/1000	3024	12.95	2283	14.59		
02	120127A LCS-1 1/1000	2858	12.93	2324	14.57		
03	AY53666W06 1/1000	2806	12.95	2227	14.59		
04	AY53667W06 1/1010	2601	12.95	2225	14.59		
05	AY53668W04 1/1050	3136	12.95	2544	14.58		
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Sample Data

EPA 8270D SIM

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

Attn: Stacey Fineran
Project: RED HILL/1022-015
Sample ID: ES057
Sample Collection Date: 01/24/12

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 66795
APPL ID: AY53666
QCG: #SIMHC-120127A-163643

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(A)PYRENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	54.8	50-110			%	01/27/12	01/30/12
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	60.5	40-110			%	01/27/12	01/30/12
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	53.0	50-135			%	01/27/12	01/30/12

Quant Method: SIM2.M
Run #: 0130L009
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

Printed: 02/06/12 12:36:52 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\0130L009.D Vial: 9
Acq On : 30 Jan 12 21:34 Operator: LF
Sample : AY53666W06 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 15:24 2012 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	6.12	136	2168	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	8.10	164	936	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.85	188	1793	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.95	240	2806	2.50000 ppb	0.02
21) Perylene-D12(IS)	14.59	264	2227	2.50000 ppb	0.04
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.49	82	470	1.21046 ppb	0.02
Spiked Amount 2.000			Recovery = 60.500%		
7) Surrogate Recovery (FBP)	7.35	172	914	1.09539 ppb	0.00
Spiked Amount 2.000			Recovery = 54.750%		
17) Surrogate Recovery (TPH)	11.70	244	1281	1.06020 ppb	-0.01
Spiked Amount 2.000			Recovery = 53.000%		

Target Compounds Qvalue

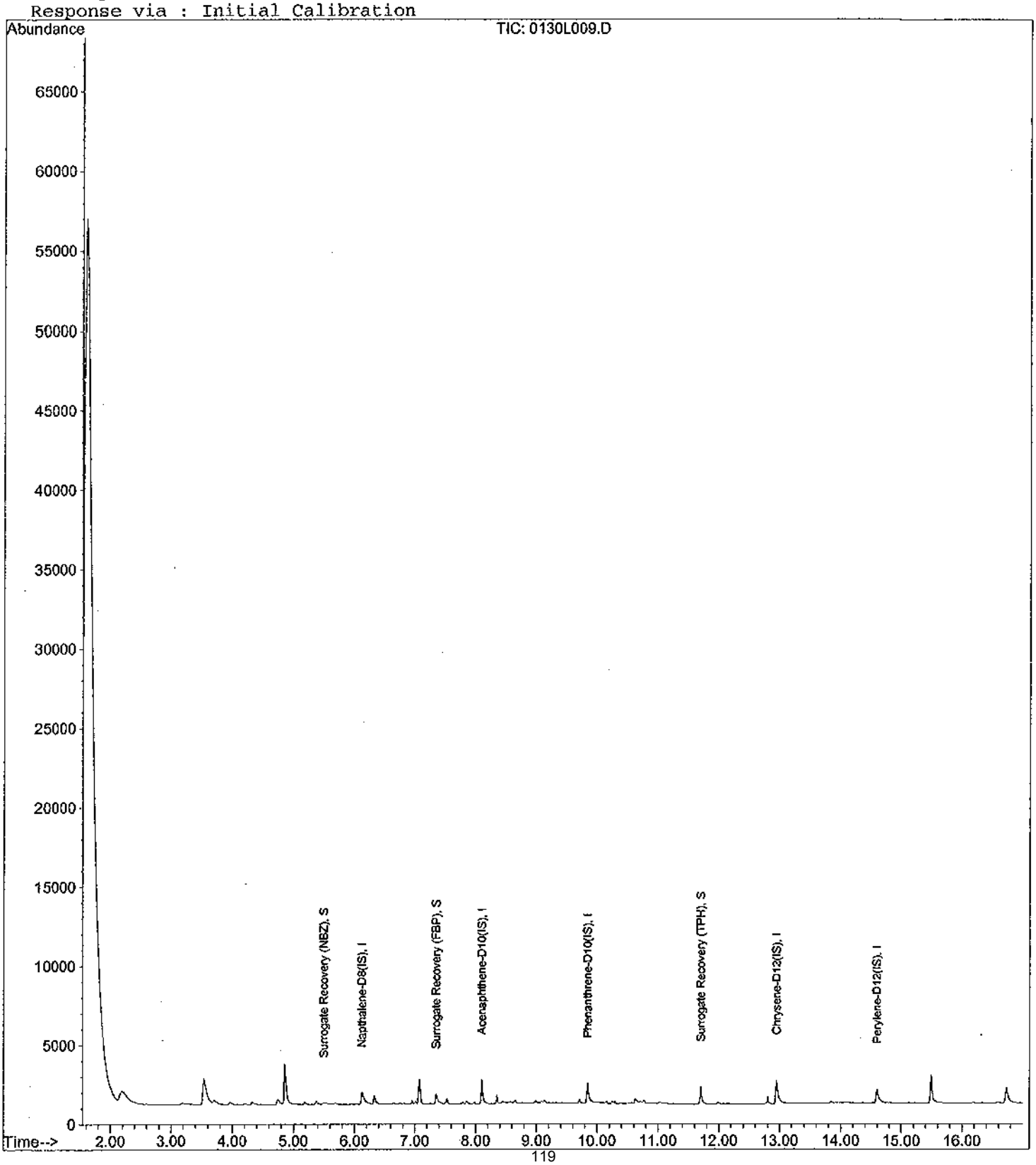
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\0130L009.D Vial: 9
Acq On : 30 Jan 12 21:34 Operator: LF
Sample : AY53666W06 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 15:24 2012 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration



EPA 8270D SIM

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Stacey Fineran
Project: RED HILL/1022-015
Sample ID: ES058
Sample Collection Date: 01/24/12

ARF: 66795
APPL ID: AY53667
QCG: #SIMHC-120127A-163643

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(A)PYRENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	50.8	50-110			%	01/27/12	01/30/12
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	62.4	40-110			%	01/27/12	01/30/12
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	55.5	50-135			%	01/27/12	01/30/12

Quant Method: SIM2.M
Run #: 0130L010
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

Printed: 02/06/12 12:36:52 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\0130L010.D Vial: 10
Acq On : 30 Jan 12 21:59 Operator: LF
Sample : AY53667W06 1/1010 Inst : Linus
Misc : Multiplr: 0.99

Quant Time: Feb 3 15:27 2012 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	6.12	136	2267	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	8.10	164	1113	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.85	188	2199	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.95	240	2601	2.50000 ppb	0.02
21) Perylene-D12(IS)	14.59	264	2225	2.50000 ppb	0.03
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.48	82	507	1.23637 ppb	0.01
Spiked Amount 1.980			Recovery = 62.418%		
7) Surrogate Recovery (FBP)	7.35	172	1007	1.00487 ppb	0.00
Spiked Amount 1.980			Recovery = 50.753%		
17) Surrogate Recovery (TPH)	11.70	244	1243	1.09885 ppb	-0.01
Spiked Amount 1.980			Recovery = 55.500%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

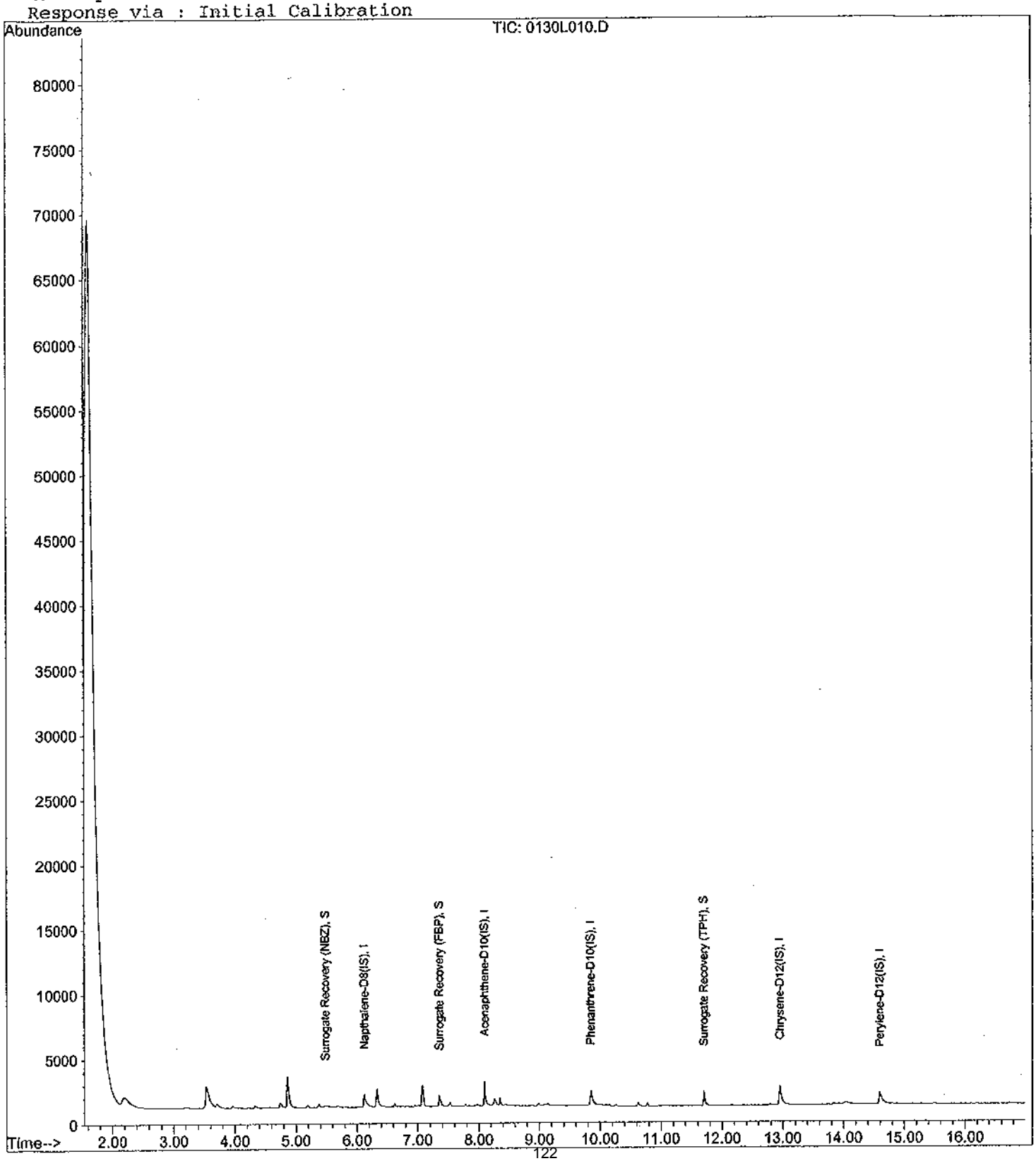
Quantitation Report

Data File : M:\LINUS\DATA\L111027\0130L010.D
Acq On : 30 Jan 12 21:59
Sample : AY53667W06 1/1010
Misc :

Vial: 10
Operator: LF
Inst : Linus
Multiplr: 0.99

Quant Time: Feb 3 15:27 2012 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration



EPA 8270D SIM

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

Attn: Stacey Fineran
Project: RED HILL/1022-015
Sample ID: ES059
Sample Collection Date: 01/24/12

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

ARF: 66795
APPL ID: AY53668
QCG: #SIMHC-120127A-163643

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(A)PYRENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	58.5	50-110			%	01/27/12	01/30/12
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	71.1	40-110			%	01/27/12	01/30/12
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	55.3	50-135			%	01/27/12	01/30/12

Quant Method: SIM2.M
Run #: 0130L011
Instrument: Linus
Sequence: L111027
Dilution Factor: 1
Initials: LF

Printed: 02/06/12 12:36:52 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\0130L011.D Vial: 11
Acq On : 30 Jan 12 22:24 Operator: LF
Sample : AY53668W04 1/1050 Inst : Linus
Misc : Multiplr: 0.95

Quant Time: Feb 3 15:27 2012 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	6.11	136	2299	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	8.10	164	1165	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.85	188	2030	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.95	240	3136	2.50000 ppb	0.02
21) Perylene-D12(IS)	14.58	264	2544	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.47	82	586	1.35545 ppb	0.00
Spiked Amount 1.905			Recovery = 71.138%		
7) Surrogate Recovery (FBP)	7.34	172	1215	1.11418 ppb	-0.01
Spiked Amount 1.905			Recovery = 58.485%		
17) Surrogate Recovery (TPH)	11.70	244	1494	1.05369 ppb	-0.01
Spiked Amount 1.905			Recovery = 55.335%		

Target Compounds Qvalue

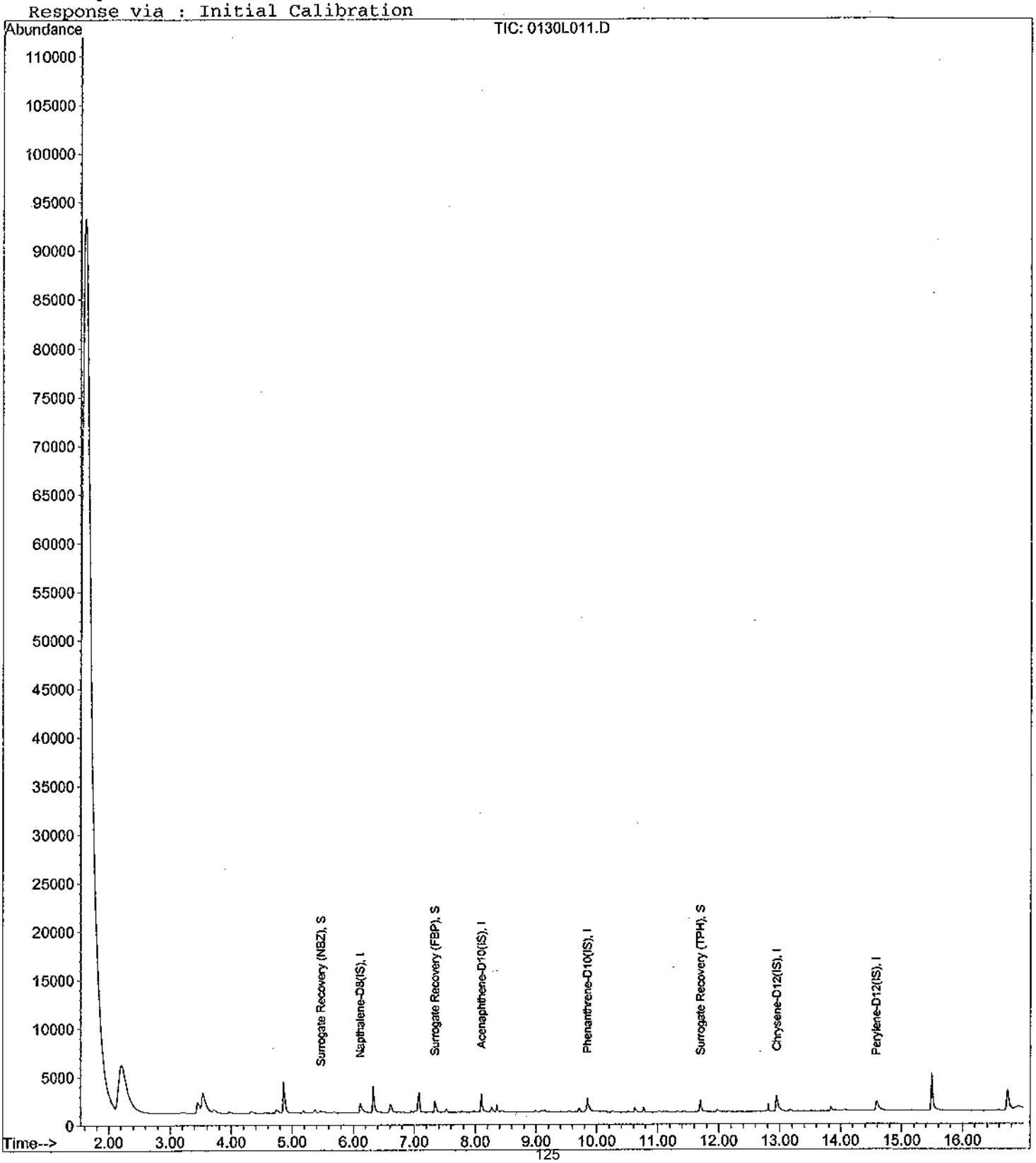
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\0130L011.D Vial: 11
Acq On : 30 Jan 12 22:24 Operator: LF
Sample : AY53668W04 1/1050 Inst : Linus
Misc : Multiplr: 0.95

Quant Time: Feb 3 15:27 2012 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration



EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Calibration Data

EPA 8270C SIM

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 10/27/11
Matrix: Instrument: Linus
Initials:

		Compound	1027L003.D 0.1	1027L004.D 0.2	1028L005.D 0.5	1028L006.D 1	1028L007.D 5	1028L008.D 10	1028L009.D 50	1028L010.D 100			Avg	%RSD		
1	I	Napthalene-D8(IS)														
2	S	Surrogate Recovery (NBZ)	0.4127	0.4673	0.4981	0.4588	0.3927	0.4106	0.4509	0.4908			0.45	8.7	S	
3	TM	Naphthalene	1.848	2.053	1.897	1.975	1.484	1.725	1.497	1.455			1.7	14	TM	
4	TM	2-Methylnaphthalene	0.8339	0.8429	0.8095	0.9618	0.8735	1.026	0.9052	0.8919			0.89	8.0	TM	
5	TM	1-Methylnaphthalene	1.006	1.140	1.127	1.262	0.9445	1.066	0.8694	0.8324			1.0	14	TM	
6	I	Acenaphthene-D10(IS)														
7	S	Surrogate Recovery (FBP)	2.266	2.373	2.477	2.606	2.184	2.112	1.948	1.864			2.2	11	S	
8	TM	Acenaphthylene	3.556	3.474	3.469	3.747	3.046	3.265	3.097	2.960			3.3	8.4	TM	
9	*TM	Acenaphthene	2.197	2.003	2.015	2.153	1.761	1.820	1.687	1.595			1.9	12	*TM	
10	TM	Fluorene	2.179	2.202	2.246	2.358	1.948	2.057	1.915	1.761			2.1	9.5	TM	
11	I	Phenanthrene-D10(IS)														
12	TM	Phenanthrene	1.851	1.670	1.765	1.775	1.470	1.719	1.377	1.248			1.6	13	TM	
13	TM	Anthracene	1.736	1.681	1.869	1.846	1.493	1.754	1.415	1.278			1.6	13	TM	
14	*TM	Fluoranthene	3.116	3.004	3.048	3.052	2.530	3.014	2.407	2.162			2.8	13	*TM	
15	I	Chrysene-D12(IS)														
16	TM	Pyrene	2.537	2.408	2.291	2.412	2.045	2.168	1.892	1.849			2.2	12	TM	
17	S	Surrogate Recovery (TPH)	1.147	1.155	1.070	1.235	1.097	1.067	0.9366	0.9044			1.1	10	S	
18	TM	Benz (a) anthracene	1.767	1.435	1.243	1.561	1.267	1.372	1.372	1.578			1.4	12	TM	
19	TM	Chrysene	2.135	2.066	2.037	2.114	1.981	2.084	1.655	1.438			1.9	13	TM	
20	TM	Indeno (1,2,3-cd) pyrene	1.825	1.519	1.284	1.532	1.378	1.521	1.460	1.500			1.5	10	TM	
21	I	Perylene-D12(IS)														
22	TM	Benzo (b) fluoranthene	1.711	1.652	1.826	1.857	1.789	1.866	1.765	1.625			1.8	5.2	TM	
23	TM	Benzo (k) fluoranthene	2.136	1.797	1.882	1.854	1.869	1.935	1.561	1.548			1.8	11	TM	
24	*TM	Benzo (a) pyrene	2.001	1.899	1.650	1.686	1.673	1.757	1.585	1.533			1.7	9.2	*TM	
25	TM	Dibenz (a,h) anthracene	1.773	1.577	1.175	1.438	1.356	1.477	1.399	1.379			1.4	12	TM	
26	TM	Benzo (g,h,i) perylene	1.410	1.754	1.503	1.639	1.449	1.558	1.444	1.446			1.5	7.8	TM	
27																
28																
29																
30																
31																
32																
33																
34																
35																

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1027L003.D Vial: 3
Acq On : 27 Oct 11 19:12 Operator: LF
Sample : 0.1ug/ml PAH 10-27-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:15 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 10:57:42 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.14	136	2908	2.50000 ppb		0.02
6) Acenaphthene-D10(IS)	8.12	164	1434	2.50000 ppb		0.01
11) Phenanthrene-D10(IS)	9.87	188	2391	2.50000 ppb		0.02
15) Chrysene-D12(IS)	12.95	240	2986	2.50000 ppb		0.02
21) Perylene-D12(IS)	14.58	264	2411	2.50000 ppb		0.02
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.61	82	48	0.74306 ppb		0.19
Spiked Amount 2.000			Recovery	= 37.150%		
7) Surrogate Recovery (FBP)	7.40	172	130	0.09815 ppb		0.05
Spiked Amount 2.000			Recovery	= 4.900%		
17) Surrogate Recovery (TPH)	11.74	244	137	0.09107 ppb		0.02
Spiked Amount 2.000			Recovery	= 4.550%		
Target Compounds						Qvalue
3) Naphthalene	6.17	128	215	0.10425 ppb		93
4) 2-Methylnaphthalene	7.01	142	97	0.09198 ppb		99
5) 1-Methylnaphthalene	7.08	142	117	0.09071 ppb		97
8) Acenaphthylene	7.99	152	204	0.10524 ppb		99
9) Acenaphthene	8.16	154	126	0.11351 ppb		94
10) Fluorene	8.81	166	125	0.10297 ppb		98
12) Phenanthrene	9.90	178	177	0.11216 ppb		95
13) Anthracene	9.99	178	166	0.10145 ppb		95
14) Fluoranthene	11.30	202	298	0.10883 ppb	#	90
16) Pyrene	11.56	202	303	0.11040 ppb		99
18) Benz (a) anthracene	12.95	228	211	0.11702 ppb		96
19) Chrysene	12.98	228	255	0.09385 ppb		98
20) Indeno (1,2,3-cd) pyrene	16.19	276	218	0.11665 ppb	#	93
22) Benzo (b) fluoranthene	14.15	252	165	0.09422 ppb	#	95
23) Benzo (k) fluoranthene	14.19	252	206	0.11693 ppb		65
24) Benzo (a) pyrene	14.54	252	193	0.11081 ppb		95
25) Dibenz (a,h) anthracene	16.17	278	171	0.11827 ppb		92
26) Benzo (g,h,i) perylene	16.64	276	136	0.08955 ppb	#	89

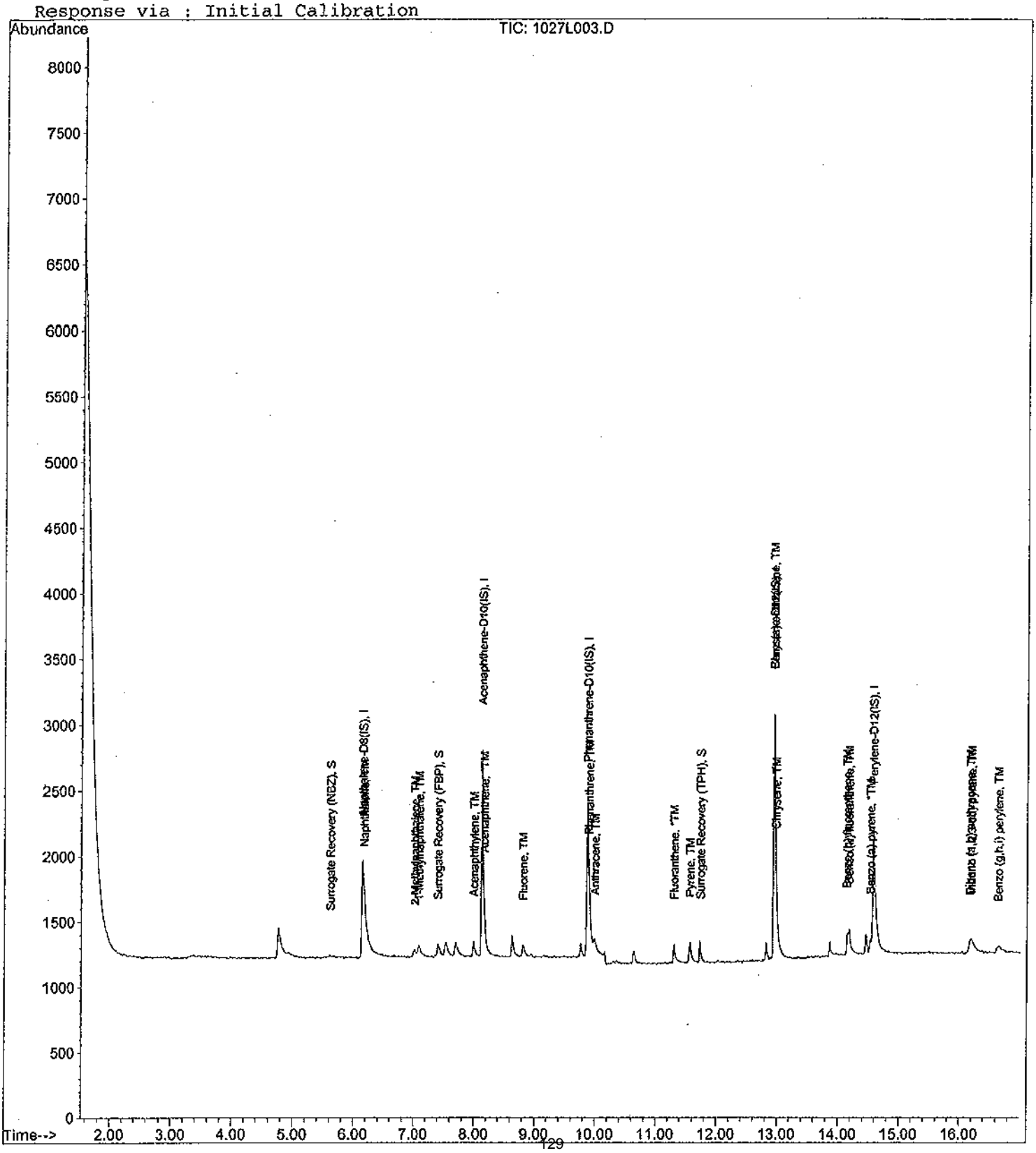
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\1027L003.D Vial: 3
Acq On : 27 Oct 11 19:12 Operator: LF
Sample : 0.1ug/ml PAH 10-27-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:15 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1027L004.D Vial: 4
Acq On : 27 Oct 11 19:38 Operator: LF
Sample : 0.2ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct.30 11:13 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 10:57:42 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.14	136	2862	2.50000 ppb		0.02
6) Acenaphthene-D10(IS)	8.12	164	1317	2.50000 ppb		0.01
11) Phenanthrene-D10(IS)	9.87	188	2305	2.50000 ppb		0.02
15) Chrysene-D12(IS)	12.95	240	2814	2.50000 ppb		0.02
21) Perylene-D12(IS)	14.58	264	2323	2.50000 ppb		0.02
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.60	82	107	0.84083 ppb		0.18
Spiked Amount 2.000			Recovery	= 42.050%		
7) Surrogate Recovery (FBP)	7.40	172	250	0.20995 ppb		0.05
Spiked Amount 2.000			Recovery	= 10.500%		
17) Surrogate Recovery (TPH)	11.72	244	260	0.18421 ppb		0.01
Spiked Amount 2.000			Recovery	= 9.200%		
Target Compounds						Qvalue
3) Naphthalene	6.17	128	470	0.23025 ppb		94
4) 2-Methylnaphthalene	7.00	142	193	0.18513 ppb		92
5) 1-Methylnaphthalene	7.07	142	261	0.20451 ppb		98
8) Acenaphthylene	7.99	152	366	0.20677 ppb		98
9) Acenaphthene	8.16	154	211	0.20826 ppb		87
10) Fluorene	8.81	166	232	0.20927 ppb		99
12) Phenanthrene	9.90	178	308	0.20239 ppb		96
13) Anthracene	9.99	178	310	0.19992 ppb		95
14) Fluoranthene	11.29	202	554	0.20981 ppb		95
16) Pyrene	11.55	202	542	0.21034 ppb	#	91
18) Benz (a) anthracene	12.95	228	323	0.19084 ppb		97
19) Chrysene	12.98	228	465	0.18296 ppb		99
20) Indeno (1,2,3-cd) pyrene	16.17	276	342	0.19494 ppb	#	96
22) Benzo (b) fluoranthene	14.15	252	307	0.18266 ppb		97
23) Benzo (k) fluoranthene	14.19	252	334	0.18857 ppb		64
24) Benzo (a) pyrene	14.54	252	353	0.21468 ppb		96
25) Dibenz (a,h) anthracene	16.16	278	293	0.21252 ppb		92
26) Benzo (g,h,i) perylene	16.64	276	326	0.22362 ppb		88

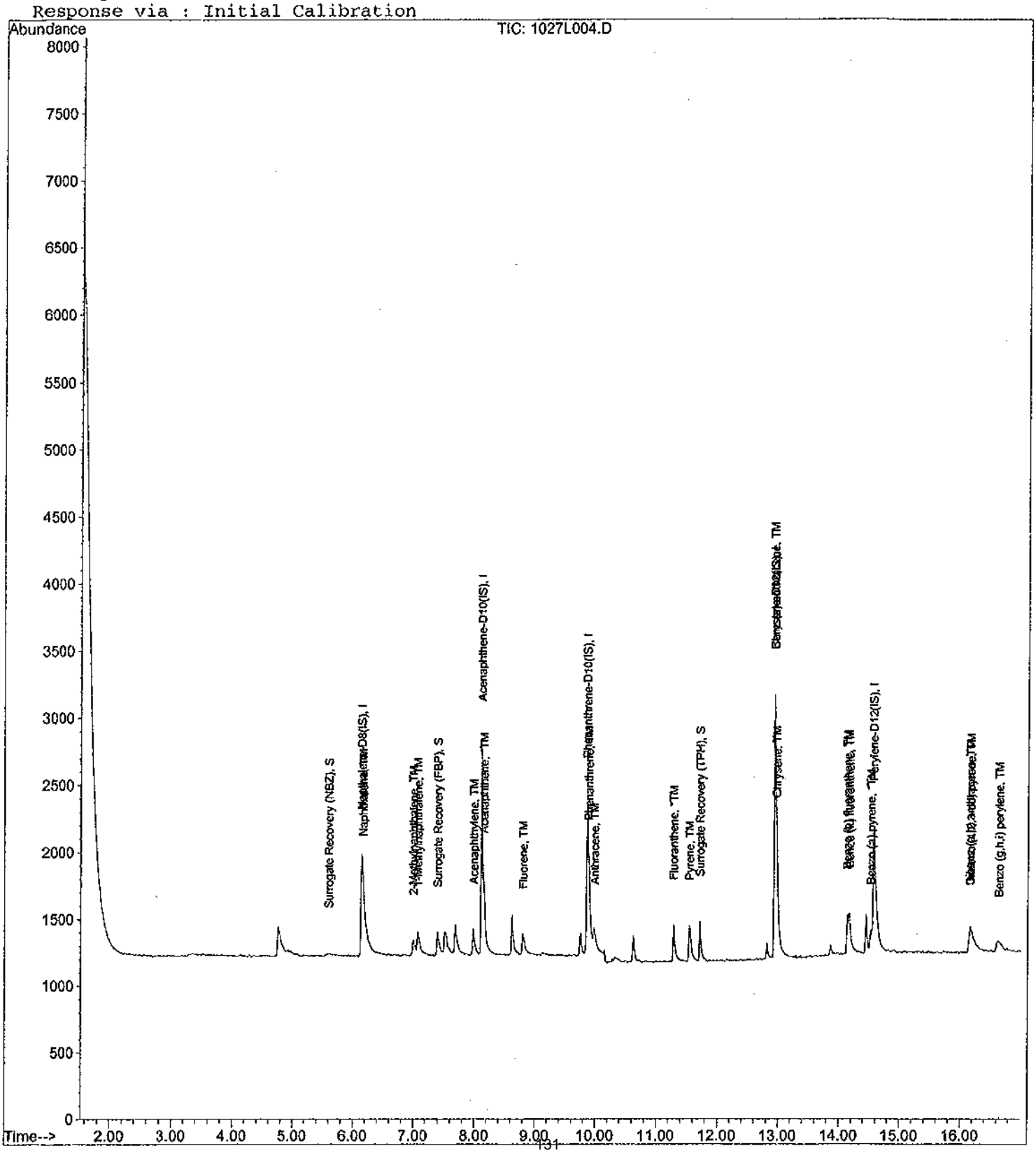
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\1027L004.D Vial: 4
Acq On : 27 Oct 11 19:38 Operator: LF
Sample : 0.2ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:13 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1028L005.D Vial: 5
Acq On : 28 Oct 11 11:07 Operator: LF
Sample : 0.5ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:12 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Sep 29 11:47:40 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.14	136	2409	2.50000 ppb		0.02
6) Acenaphthene-D10(IS)	8.12	164	1104	2.50000 ppb		-0.01
11) Phenanthrene-D10(IS)	9.87	188	1819	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.95	240	2477	2.50000 ppb		-0.01
21) Perylene-D12(IS)	14.57	264	2043	2.50000 ppb		-0.02
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.60	82	240	1.15802 ppb		0.25
Spiked Amount 2.000			Recovery = 57.900%			
7) Surrogate Recovery (FBP)	7.39	172	547	0.79241 ppb		0.01
Spiked Amount 2.000			Recovery = 39.600%			
17) Surrogate Recovery (TPH)	11.74	244	530	0.66674 ppb		-0.02
Spiked Amount 2.000			Recovery = 33.350%			
Target Compounds						Qvalue
3) Naphthalene	6.17	128	914	0.46769 ppb		98
4) 2-Methylnaphthalene	6.99	142	390	0.33945 ppb		96
5) 1-Methylnaphthalene	7.06	142	543	0.44086 ppb		95
8) Acenaphthylene	7.98	152	766	0.43771 ppb		99
9) Acenaphthene	8.16	154	445	0.43164 ppb		89
10) Fluorene	8.80	166	496	0.42124 ppb		99
12) Phenanthrene	9.90	178	642	0.38630 ppb		97
13) Anthracene	9.98	178	680	0.37229 ppb		95
14) Fluoranthene	11.29	202	1109	0.36672 ppb		96
16) Pyrene	11.55	202	1135	0.35574 ppb		97
18) Benz (a) anthracene	12.95	228	616	0.34309 ppb		98
19) Chrysene	12.98	228	1009	0.43128 ppb		99
20) Indeno (1,2,3-cd) pyrene	16.15	276	636	0.45186 ppb	#	96
22) Benzo (b) fluoranthene	14.14	252	746	0.48527 ppb		98
23) Benzo (k) fluoranthene	14.17	252	769	0.37285 ppb		98
24) Benzo (a) pyrene	14.52	252	674	0.41516 ppb		94
25) Dibenz (a,h) anthracene	16.14	278	480	0.46345 ppb		95
26) Benzo (g,h,i) perylene	16.59	276	614	0.46797 ppb		92

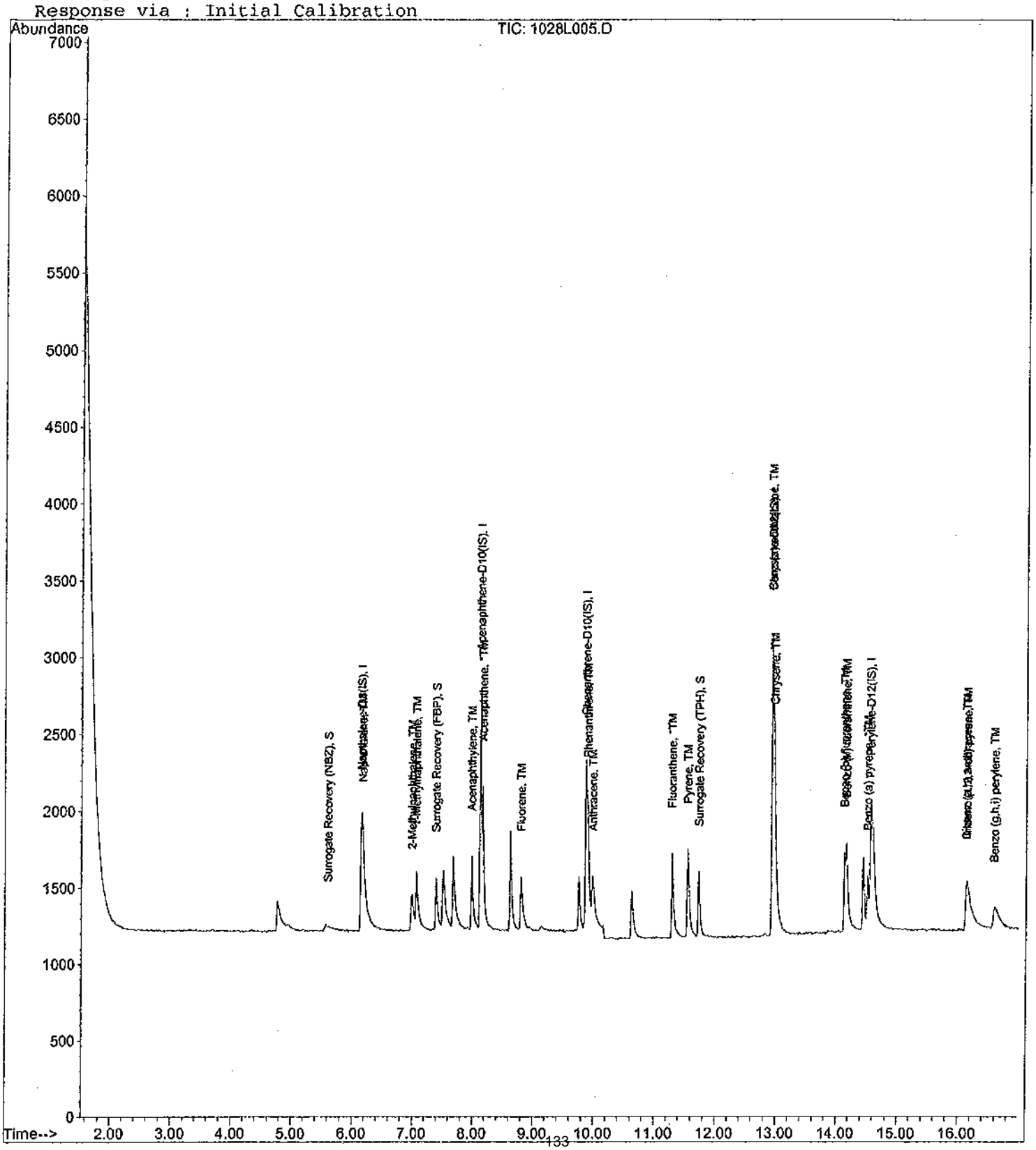
(#) = qualifier out of range (m) = manual integration
1028L005.D SIM2.M Tue Nov 01 17:34:13 2011 Page 1

Quantitation Report

Data File : M:\LINUS\DATA\L111027\1028L005.D Vial: 5
Acq On : 28 Oct 11 11:07 Operator: LF
Sample : 0.5ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:12 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1028L006.D Vial: 6
Acq On : 28 Oct 11 11:32 Operator: LF
Sample : 1.0ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:10 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 10:38:04 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.13	136	2381	2.50000 ppb		0.01
6) Acenaphthene-D10(IS)	8.12	164	1089	2.50000 ppb		-0.01
11) Phenanthrene-D10(IS)	9.86	188	1865	2.50000 ppb		-0.01
15) Chrysene-D12(IS)	12.95	240	2449	2.50000 ppb		-0.01
21) Perylene-D12(IS)	14.57	264	2032	2.50000 ppb		-0.02
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.54	82	437	1.90266 ppb		0.00
Spiked Amount 2.000			Recovery = 95.150%			
7) Surrogate Recovery (FBP)	7.37	172	1135	1.66686 ppb		0.00
Spiked Amount 2.000			Recovery = 83.350%			
17) Surrogate Recovery (TPH)	11.72	244	1210	1.53959 ppb		-0.04
Spiked Amount 2.000			Recovery = 77.000%			
Target Compounds						Qvalue
3) Naphthalene	6.16	128	1881	0.97382 ppb		98
4) 2-Methylnaphthalene	6.96	142	916	0.80665 ppb		94
5) 1-Methylnaphthalene	7.05	142	1202	0.98738 ppb		89
8) Acenaphthylene	7.96	152	1632	0.94540 ppb		98
9) Acenaphthene	8.16	154	938	0.92237 ppb		91
10) Fluorene	8.79	166	1027	0.88422 ppb		98
12) Phenanthrene	9.90	178	1324	0.77703 ppb		99
13) Anthracene	9.97	178	1377	0.73529 ppb		98
14) Fluoranthene	11.28	202	2277	0.73437 ppb	#	94
16) Pyrene	11.54	202	2363	0.74909 ppb		97
18) Benz (a) anthracene	12.94	228	1529	0.86133 ppb		99
19) Chrysene	12.97	228	2071	0.89534 ppb		99
20) Indeno (1,2,3-cd) pyrene	16.12	276	1501	1.07861 ppb	#	92
22) Benzo (b) fluoranthene	14.13	252	1509	0.98690 ppb	#	96
23) Benzo (k) fluoranthene	14.16	252	1507	0.73463 ppb		96
24) Benzo (a) pyrene	14.51	252	1370	0.84844 ppb		98
25) Dibenz (a,h) anthracene	16.12	278	1169	1.13481 ppb		97
26) Benzo (g,h,i) perylene	16.58	276	1332	1.02070 ppb		98

(#) = qualifier out of range (m) = manual integration
1028L006.D SIM2.M Tue Nov 01 17:34:15 2011 Page 1

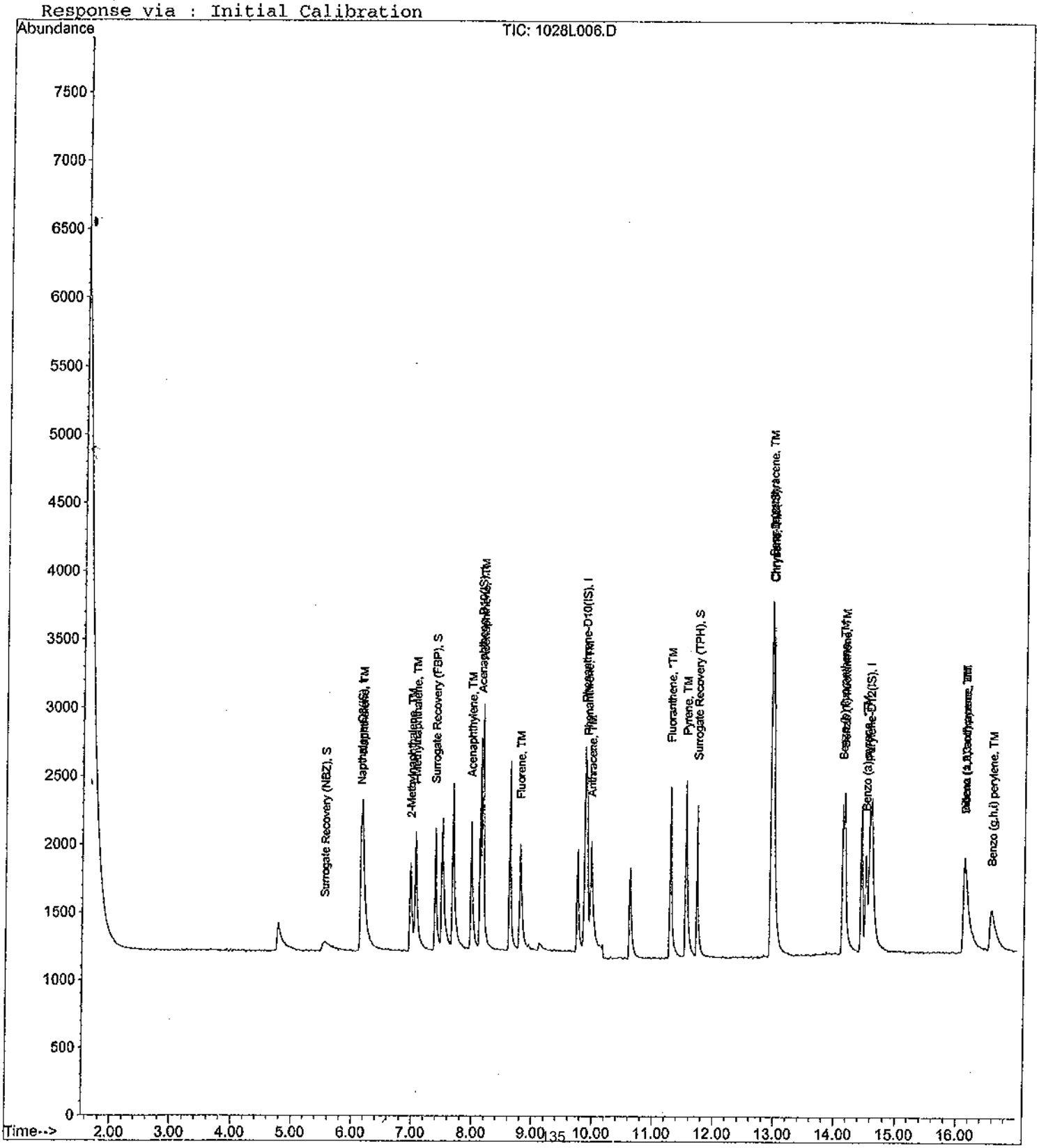
Quantitation Report

Data File : M:\LINUS\DATA\L111027\1028L006.D
Acq On : 28 Oct 11 11:32
Sample : 1.0ug/ml PAH
Misc :

Vial: 6
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Oct 30 11:10 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1028L007.D Vial: 7
Acq On : 28 Oct 11 11:58 Operator: LF
Sample : 5.0ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 10:40 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 10:38:04 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.12	136	2479	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	8.11	164	1083	2.50000 ppb		-0.02
11) Phenanthrene-D10(IS)	9.85	188	1851	2.50000 ppb		-0.02
15) Chrysene-D12(IS)	12.93	240	2378	2.50000 ppb		-0.04
21) Perylene-D12(IS)	14.56	264	1871	2.50000 ppb		-0.04
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.42	82	1947	7.24379 ppb		-0.12
Spiked Amount 2.000			Recovery = 362.200%			
7) Surrogate Recovery (FBP)	7.35	172	4731	6.98644 ppb		-0.02
Spiked Amount 2.000			Recovery = 349.300%			
17) Surrogate Recovery (TPH)	11.71	244	5216	6.83493 ppb		-0.05
Spiked Amount 2.000			Recovery = 341.750%			
Target Compounds						Qvalue
3) Naphthalene	6.14	128	7358	3.65875 ppb		99
4) 2-Methylnaphthalene	6.93	142	4331	3.66320 ppb		98
5) 1-Methylnaphthalene	7.04	142	4683	3.69477 ppb		97
8) Acenaphthylene	7.95	152	6597	3.84274 ppb		100
9) Acenaphthene	8.15	154	3814	3.77124 ppb		92
10) Fluorene	8.76	166	4219	3.65257 ppb		99
12) Phenanthrene	9.87	178	5443	3.21854 ppb		98
13) Anthracene	9.94	178	5527	2.97363 ppb		99
14) Fluoranthene	11.26	202	9367	3.04387 ppb		98
16) Pyrene	11.51	202	9724	3.17462 ppb		97
18) Benz (a) anthracene	12.91	228	6027	3.49657 ppb		98
19) Chrysene	12.96	228	9422	4.19498 ppb		99
20) Indeno (1,2,3-cd) pyrene	16.06	276	6554	4.85029 ppb		95
22) Benzo (b) fluoranthene	14.10	252	6693	4.75397 ppb	#	96
23) Benzo (k) fluoranthene	14.14	252	6995	3.70332 ppb		99
24) Benzo (a) pyrene	14.49	252	6259	4.20974 ppb		98
25) Dibenz (a,h) anthracene	16.08	278	5075	5.35048 ppb		97
26) Benzo (g,h,i) perylene	16.51	276	5423	4.51321 ppb		98

(#) = qualifier out of range (m) = manual integration
1028L007.D SIM2.M Tue Nov 01 17:34:17 2011 Page 1

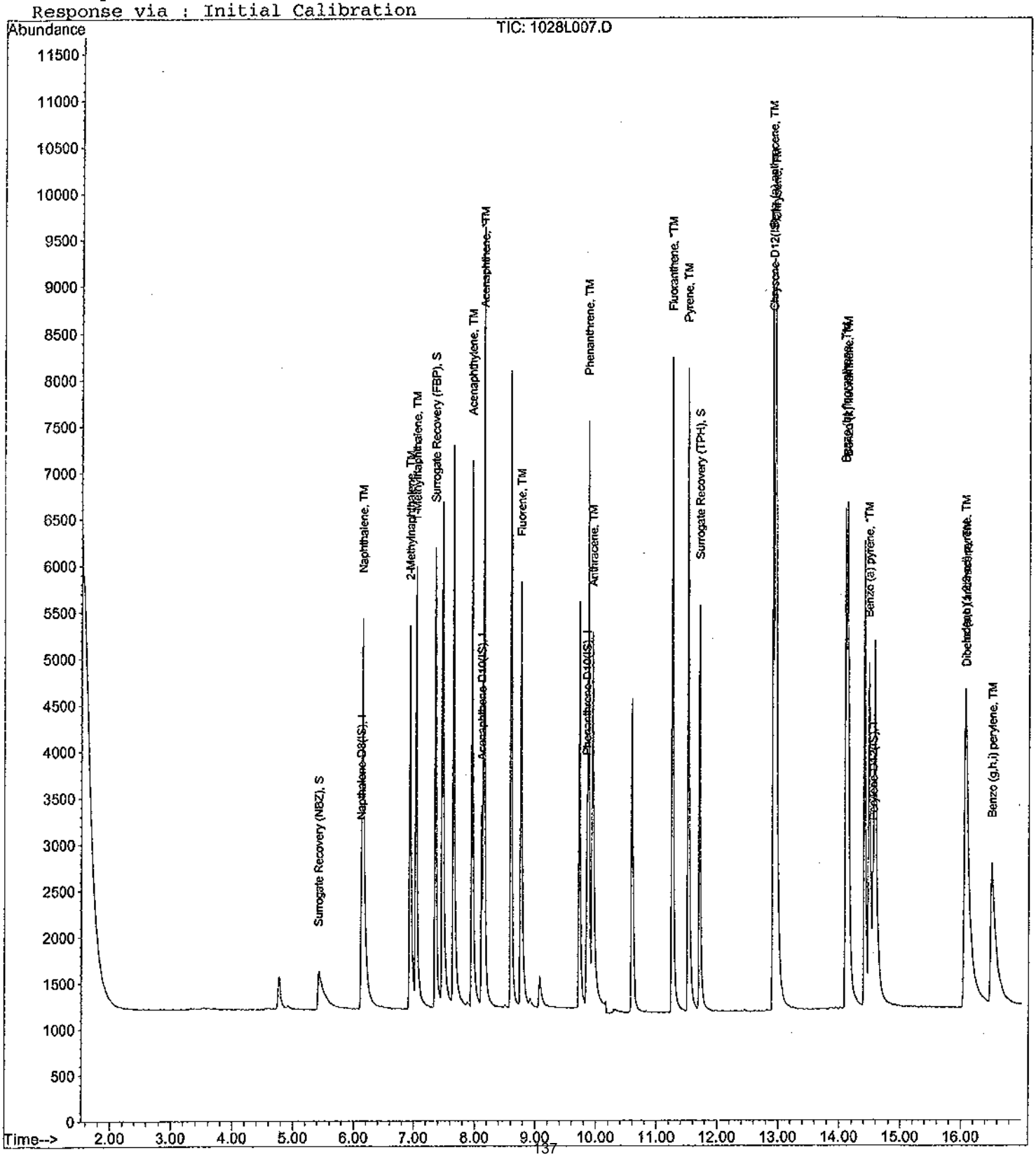
Quantitation Report

Data File : M:\LINUS\DATA\L111027\1028L007.D
Acq On : 28 Oct 11 11:58
Sample : 5.0ug/ml PAH
Misc :

Vial: 7
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Oct 30 10:40 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1028L008.D Vial: 8
Acq On : 28 Oct 11 12:23 Operator: LF
Sample : 10ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 10:41 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 10:38:04 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	6.12	136	2419	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	8.11	164	1154	2.50000	ppb		-0.02
11) Phenanthrene-D10(IS)	9.85	188	1800	2.50000	ppb		-0.02
15) Chrysene-D12(IS)	12.91	240	2580	2.50000	ppb		-0.05
21) Perylene-D12(IS)	14.55	264	2113	2.50000	ppb		-0.05
System Monitoring Compounds							
2) Surrogate Recovery (NBZ)	5.38	82	3973	14.84926	ppb		-0.16
Spiked Amount 2.000			Recovery = 742.450%				
7) Surrogate Recovery (FBP)	7.35	172	9747	13.50818	ppb		-0.02
Spiked Amount 2.000			Recovery = 675.400%				
17) Surrogate Recovery (TPH)	11.70	244	11014	13.30251	ppb		-0.06
Spiked Amount 2.000			Recovery = 665.150%				
Target Compounds							Qvalue
3) Naphthalene	6.13	128	16688	8.50390	ppb		99
4) 2-Methylnaphthalene	6.92	142	9930	8.60721	ppb		100
5) 1-Methylnaphthalene	7.02	142	10317	8.34175	ppb		92
8) Acenaphthylene	7.95	152	15071	8.23870	ppb		99
9) Acenaphthene	8.15	154	8403	7.79759	ppb		97
10) Fluorene	8.75	166	9496	7.71528	ppb		98
12) Phenanthrene	9.87	178	12375	7.52487	ppb		99
13) Anthracene	9.93	178	12631	6.98825	ppb		99
14) Fluoranthene	11.25	202	21698	7.25069	ppb	#	93
16) Pyrene	11.50	202	22373	6.73230	ppb	#	85
18) Benz (a) anthracene	12.91	228	14154	7.56854	ppb		100
19) Chrysene	12.95	228	21503	8.82425	ppb		99
20) Indeno (1,2,3-cd) pyrene	16.03	276	15698	10.70773	ppb	#	96
22) Benzo (b) fluoranthene	14.09	252	15772	9.91966	ppb		96
23) Benzo (k) fluoranthene	14.13	252	16351	7.66517	ppb		98
24) Benzo (a) pyrene	14.48	252	14853	8.84584	ppb		98
25) Dibenz (a,h) anthracene	16.05	278	12481	11.65147	ppb		96
26) Benzo (g,h,i) perylene	16.47	276	13167	9.70302	ppb		97

(#) = qualifier out of range (m) = manual integration

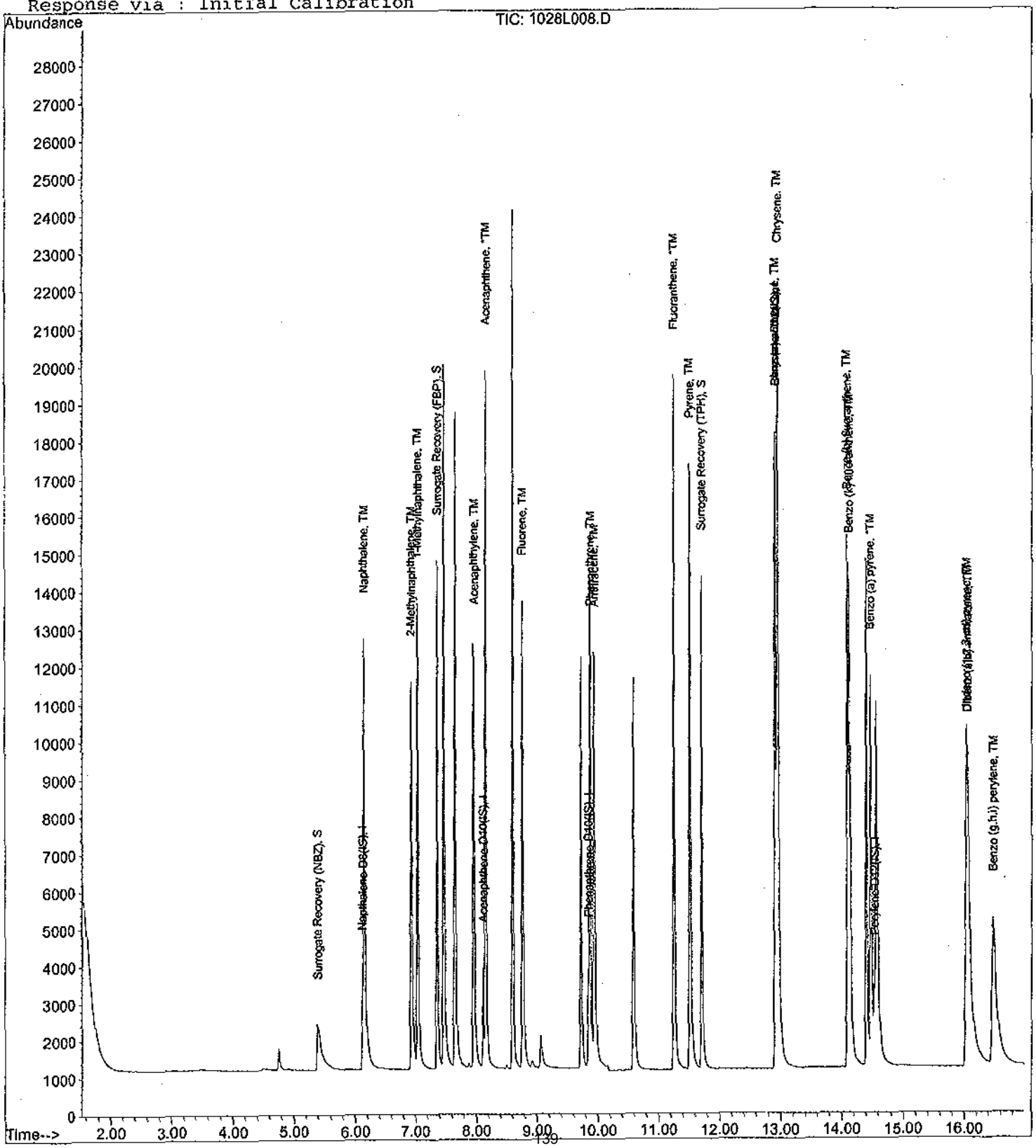
Quantitation Report

Data File : M:\LINUS\DATA\L111027\1028L008.D
Acq On : 28 Oct 11 12:23
Sample : 10ug/ml PAH
Misc :

Vial: 8
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Oct 30 10:41 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1028L009.D Vial: 9
Acq On : 28 Oct 11 12:49 Operator: LF
Sample : 50ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 10:41 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 10:41:31 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	6.11	136	2170	2.50000	ppb		-0.01
6) Acenaphthene-D10(IS)	8.11	164	955	2.50000	ppb		-0.02
11) Phenanthrene-D10(IS)	9.84	188	1764	2.50000	ppb		-0.04
15) Chrysene-D12(IS)	12.91	240	2325	2.50000	ppb		-0.05
21) Perylene-D12(IS)	14.54	264	1951	2.50000	ppb		-0.06
System Monitoring Compounds							
2) Surrogate Recovery (NBZ)	5.34	82	19569	80.30257	ppb		0.00
Spiked Amount 2.000			Recovery	= 4015.150%			
7) Surrogate Recovery (FBP)	7.34	172	37203	62.30259	ppb		-0.04
Spiked Amount 2.000			Recovery	= 3115.150%			
17) Surrogate Recovery (TPH)	11.70	244	43552	58.37048	ppb		-0.06
Spiked Amount 2.000			Recovery	= 2918.500%			
Target Compounds							Qvalue
3) Naphthalene	6.12	128	64981	36.91273	ppb		98
4) 2-Methylnaphthalene	6.92	142	39285	37.95912	ppb		91
5) 1-Methylnaphthalene	7.02	142	37731	34.00777	ppb		98
8) Acenaphthylene	7.94	152	59152	39.07406	ppb		100
9) Acenaphthene	8.13	154	32228	36.13782	ppb		90
10) Fluorene	8.75	166	36584	35.91740	ppb		95
12) Phenanthrene	9.86	178	48574	30.13920	ppb		99
13) Anthracene	9.92	178	49934	28.19038	ppb		99
14) Fluoranthene	11.23	202	84927	28.95874	ppb	#	86
16) Pyrene	11.50	202	87985	29.37950	ppb		93
18) Benz (a) anthracene	12.90	228	63776	37.84310	ppb		99
19) Chrysene	12.94	228	76944	35.03889	ppb		99
20) Indeno (1,2,3-cd) pyrene	16.01	276	67886	51.38427	ppb		97
22) Benzo (b) fluoranthene	14.09	252	68863	46.90706	ppb	#	96
23) Benzo (k) fluoranthene	14.12	252	60905	30.92236	ppb		100
24) Benzo (a) pyrene	14.45	252	61841	39.88811	ppb	#	94
25) Dibenz (a,h) anthracene	16.02	278	54590	55.19334	ppb		99
26) Benzo (g,h,i) perylene	16.44	276	56362	44.98303	ppb		98

(#) = qualifier out of range (m) = manual integration

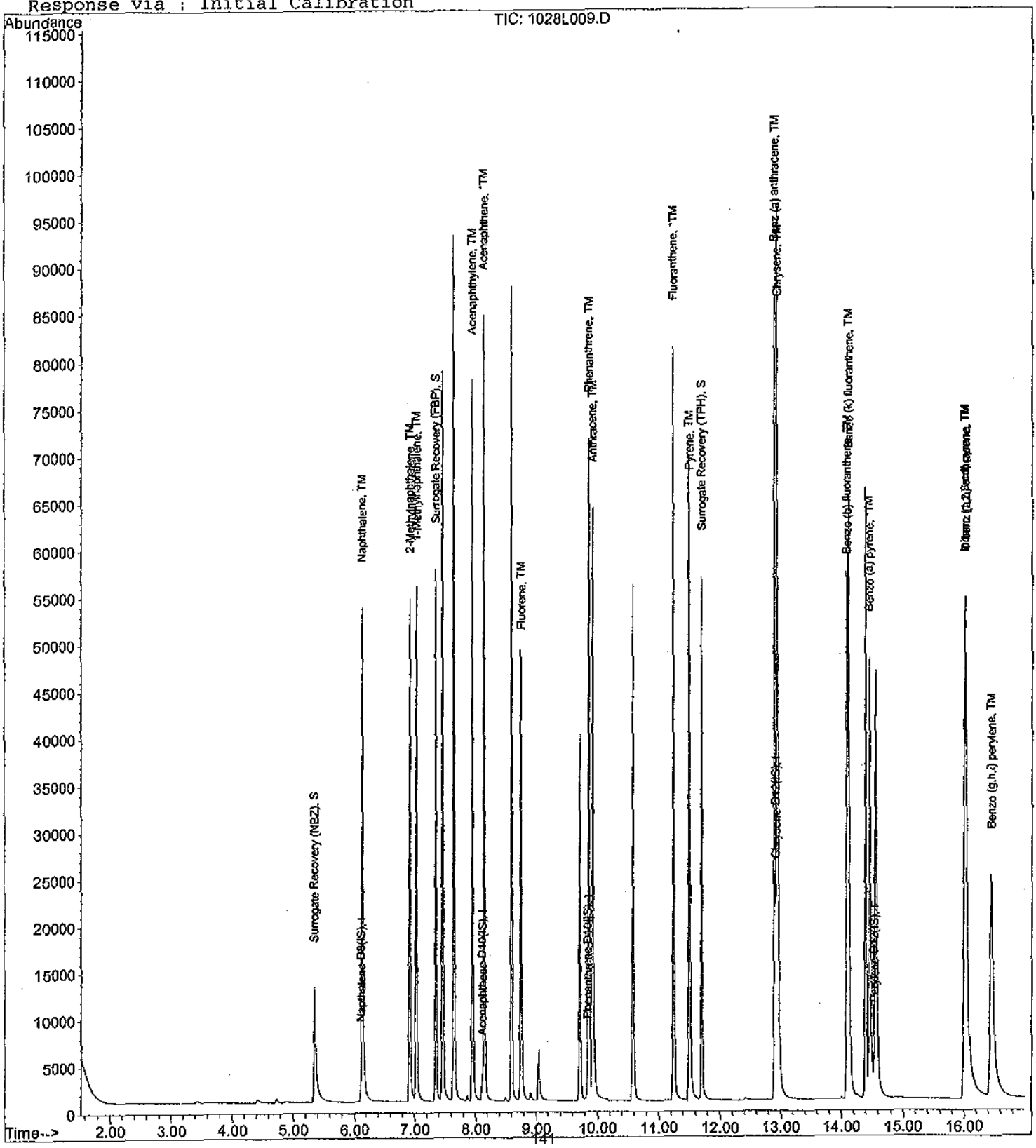
Quantitation Report

Data File : M:\LINUS\DATA\L111027\1028L009.D
Acq On : 28 Oct 11 12:49
Sample : 50ug/ml PAH
Misc :

Vial: 9
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Oct 30 10:41 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1028L010.D Vial: 10
Acq On : 28 Oct 11 13:14 Operator: LF
Sample : 100ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 10:42 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111028\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 10:41:31 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.11	136	2028	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	8.11	164	919	2.50000 ppb		-0.02
11) Phenanthrene-D10(IS)	9.84	188	1786	2.50000 ppb		-0.04
15) Chrysene-D12(IS)	12.91	240	2218	2.50000 ppb		-0.05
21) Perylene-D12(IS)	14.54	264	1949	2.50000 ppb		-0.06
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.32	82	39811	174.48341 ppb		-0.01
Spiked Amount 2.000			Recovery	= 8724.150%		
7) Surrogate Recovery (FBP)	7.34	172	68503	119.21355 ppb		-0.04
Spiked Amount 2.000			Recovery	= 5960.700%		
17) Surrogate Recovery (TPH)	11.70	244	80239	112.72808 ppb		-0.06
Spiked Amount 2.000			Recovery	= 5636.400%		
Target Compounds						Qvalue
3) Naphthalene	6.12	128	118023	71.73782 ppb		98
4) 2-Methylnaphthalene	6.92	142	72350	74.80311 ppb		91
5) 1-Methylnaphthalene	7.02	142	67525	65.12327 ppb		99
8) Acenaphthylene	7.94	152	108807	74.69023 ppb		99
9) Acenaphthene	8.13	154	58631	68.31936 ppb		89
10) Fluorene	8.75	166	64716	66.02573 ppb		95
12) Phenanthrene	9.86	178	89156	54.63809 ppb		98
13) Anthracene	9.92	178	91266	50.88980 ppb		98
14) Fluoranthene	11.23	202	154470	52.02296 ppb	#	84
16) Pyrene	11.50	202	164055	57.42311 ppb	#	90
18) Benz (a) anthracene	12.90	228	140011	87.08694 ppb		99
19) Chrysene	12.94	228	127613	60.91607 ppb	#	95
20) Indeno (1,2,3-cd) pyrene	16.02	276	133093	105.60065 ppb	#	87
22) Benzo (b) fluoranthene	14.09	252	126697	86.39011 ppb		96
23) Benzo (k) fluoranthene	14.12	252	120651	61.31914 ppb	#	94
24) Benzo (a) pyrene	14.47	252	119503	77.15982 ppb		95
25) Dibenz (a,h) anthracene	16.03	278	107509	108.80876 ppb		91
26) Benzo (g,h,i) perylene	16.44	276	112699	90.03841 ppb		99

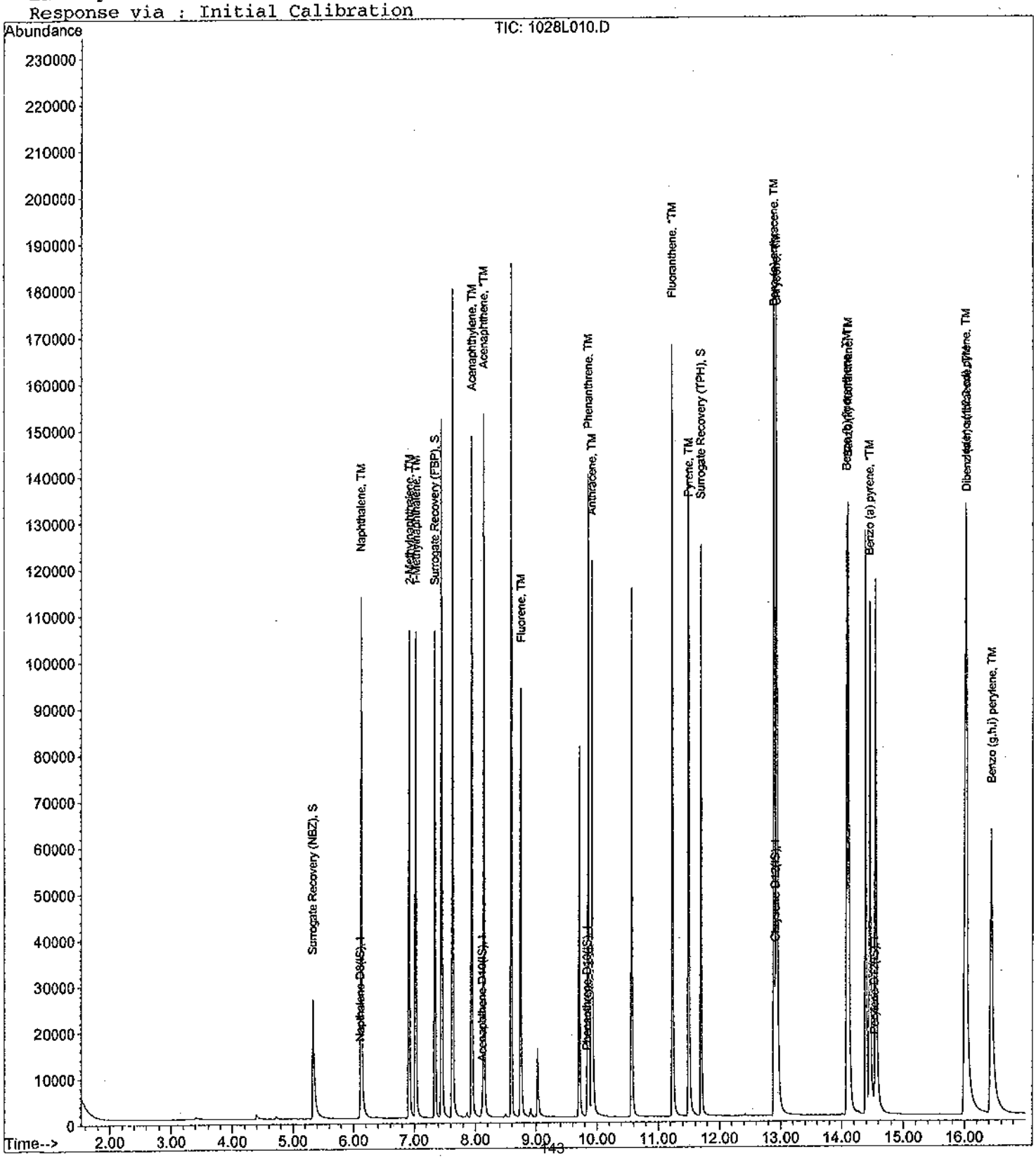
Quantitation Report

Data File : M:\LINUS\DATA\L111027\1028L010.D
Acq On : 28 Oct 11 13:14
Sample : 100ug/ml PAH
Misc :

Vial: 10
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Oct 30 10:42 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



EPA 8270C SIM

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 66795
Date Analyzed: 10/28/11
Instrument: Linus
Initial Cal. Date: 10/27/11
Data File: 1028L011.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.742	1.546	11	TM	
3	TM	2-Methylnaphthalene	0.8931	0.8782	1.7	TM	
4	TM	1-Methylnaphthalene	1.031	1.007	2.4	TM	
5	I	Acenaphthene-D10(IS)	ISTD			I	
6	TM	Acenaphthylene	3.327	3.132	5.8	TM	
7	*TM	Acenaphthene	1.904	1.812	4.8	*TM	
8	TM	Fluorene	2.083	1.993	4.3	TM	
9	I	Phenanthrene-D10(IS)	ISTD			I	
10	TM	Phenanthrene	1.609	1.555	3.4	TM	
11	TM	Anthracene	1.634	1.624	0.64	TM	
12	*TM	Fluoranthene	2.792	2.916	4.4	*TM	
13	I	Chrysene-D12(IS)	ISTD			I	
14	TM	Pyrene	2.200	2.429	10	TM	
15	TM	Benz (a) anthracene	1.449	1.392	3.9	TM	
16	TM	Chrysene	1.939	2.190	13	TM	
17	TM	Indeno (1,2,3-cd) pyrene	1.502	1.468	2.3	TM	
18	I	Perylene-D12(IS)	ISTD			I	
19	TM	Benzo (b) fluoranthene	1.761	1.686	4.3	TM	
20	TM	Benzo (k) fluoranthene	1.823	2.176	19	TM	
21	*TM	Benzo (a) pyrene	1.723	1.689	1.9	*TM	
22	TM	Dibenz (a,h) anthracene	1.447	1.354	6.4	TM	
23	TM	Benzo (g,h,i) perylene	1.525	1.483	2.8	TM	
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			5.7		

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\1028L011.D Vial: 11
Acq On : 28 Oct 11 13:40 Operator: LF
Sample : 5.0ug/ml SS PAH 10-27-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:17 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Sun Oct 30 11:15:17 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Napthalene-D8(IS)	6.13	136	2295	2.50000	ppb		0.01
6) Acenaphthene-D10(IS)	8.11	164	1033	2.50000	ppb		0.00
11) Phenanthrene-D10(IS)	9.85	188	1773	2.50000	ppb		0.00
15) Chrysene-D12(IS)	12.93	240	2205	2.50000	ppb		0.00
21) Perylene-D12(IS)	14.56	264	1840	2.50000	ppb		0.00
System Monitoring Compounds							
2) Surrogate Recovery (NBZ)	0.00	82	0d	0.00000	ppb		
Spiked Amount 2.000			Recovery =	0.000%			
7) Surrogate Recovery (FBP)	0.00	172	0d	0.00000	ppb		
Spiked Amount 2.000			Recovery =	0.000%			
17) Surrogate Recovery (TPH)	0.00	244	0d	0.00000	ppb		
Spiked Amount 2.000			Recovery =	0.000%			
Target Compounds							Qvalue
3) Naphthalene	6.14	128	7095	4.43732	ppb		99
4) 2-Methylnaphthalene	6.93	142	4031	4.91655	ppb		99
5) 1-Methylnaphthalene	7.04	142	4620	4.88168	ppb		94
8) Acenaphthylene	7.95	152	6471	4.70758	ppb		99
9) Acenaphthene	8.15	154	3744	4.75904	ppb		91
10) Fluorene	8.76	166	4117	4.78272	ppb		99
12) Phenanthrene	9.87	178	5514	4.83130	ppb		99
13) Anthracene	9.94	178	5757	4.96794	ppb		98
14) Fluoranthene	11.26	202	10339	5.22192	ppb		93
16) Pyrene	11.51	202	10711	5.51952	ppb	#	91
18) Benz (a) anthracene	12.93	228	6140	4.80346	ppb		99
19) Chrysene	12.96	228	9659	5.64891	ppb		99
20) Indeno (1,2,3-cd) pyrene	16.06	276	6475	4.88617	ppb	#	91
22) Benzo (b) fluoranthene	14.12	252	6204	4.78607	ppb		99
23) Benzo (k) fluoranthene	14.14	252	8006	5.96784	ppb	#	65
24) Benzo (a) pyrene	14.49	252	6217	4.90268	ppb		97
25) Dibenz (a,h) anthracene	16.08	278	4984	4.68078	ppb		96
26) Benzo (g,h,i) perylene	16.52	276	5458	4.86160	ppb		99

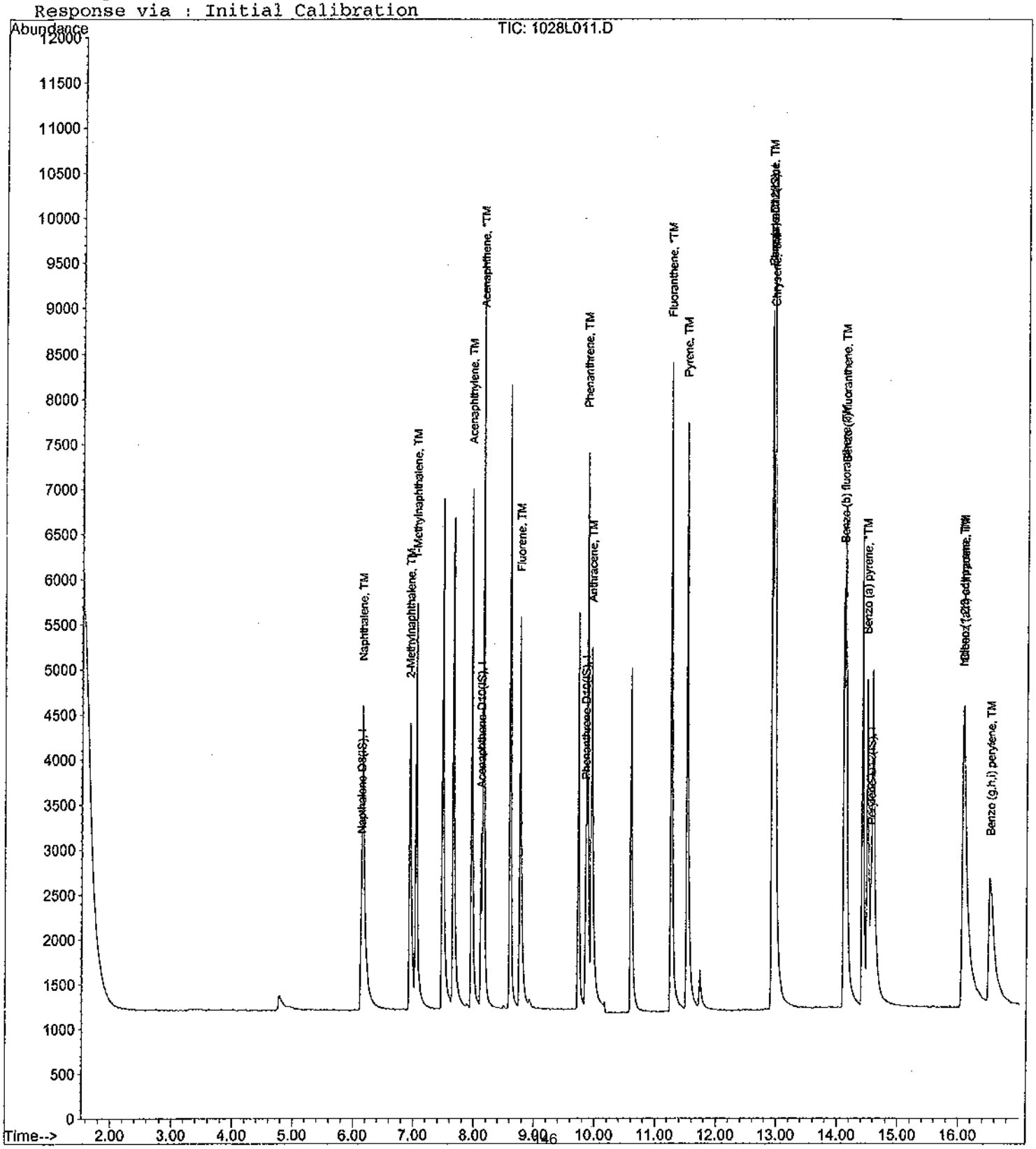
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\1028L011.D Vial: 11
Acq On : 28 Oct 11 13:40 Operator: LF
Sample : 5.0ug/ml SS PAH 10-27-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Oct 30 11:17 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Nov 01 17:14:29 2011
Response via : Initial Calibration



Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 66795
Date Analyzed: 01/30/12
Instrument: Linus
Initial Cal. Date: 10/27/11
Data File: 0130L002.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	S	Surrogate Recovery (NBZ)	0.4477	0.3881	13	S	
3	TM	Naphthalene	1.742	1.428	18	TM	
4	TM	2-Methylnaphthalene	0.8931	0.7983	11	TM	
5	TM	1-Methylnaphthalene	1.031	0.9264	10	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	S	Surrogate Recovery (FBP)	2.229	1.864	16	S	
8	TM	Acenaphthylene	3.327	3.007	9.6	TM	
9	*TM	Acenaphthene	1.904	1.788	6.1	*TM	
10	TM	Fluorene	2.083	2.008	3.6	TM	
11	I	Phenanthrene-D10(IS)	ISTD			I	
12	TM	Phenanthrene	1.609	1.585	1.5	TM	
13	TM	Anthracene	1.634	1.672	2.3	TM	
14	*TM	Fluoranthene	2.792	2.638	5.5	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	2.200	1.935	12	TM	
17	S	Surrogate Recovery (TPH)	1.077	0.9228	14	S	
18	TM	Benz (a) anthracene	1.449	1.289	11	TM	
19	TM	Chrysene	1.939	1.747	9.9	TM	
20	TM	Indeno (1,2,3-cd) pyrene	1.502	1.323	12	TM	
21	I	Perylene-D12(IS)	ISTD			I	
22	TM	Benzo (b) fluoranthene	1.761	1.622	7.9	TM	
23	TM	Benzo (k) fluoranthene	1.823	1.973	8.2	TM	
24	*TM	Benzo (a) pyrene	1.723	1.542	11	*TM	
25	TM	Dibenz (a,h) anthracene	1.447	1.279	12	TM	
26	TM	Benzo (g,h,i) perylene	1.525	1.428	6.4	TM	
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			9.6		

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\0130L002.D
Acq On : 30 Jan 12 18:36
Sample : 5.0ug/ml PAH 10-27-11
Misc :

Vial: 2
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Feb 3 15:19 2012 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.11	136	2766	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	8.10	164	1154	2.50000 ppb		-0.01
11) Phenanthrene-D10(IS)	9.84	188	1994	2.50000 ppb		-0.01
15) Chrysene-D12(IS)	12.93	240	2868	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.56	264	2312	2.50000 ppb		0.00
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.43	82	2147	4.33404 ppb		-0.04
Spiked Amount 2.000			Recovery	= 216.700%		
7) Surrogate Recovery (FBP)	7.34	172	4302	4.18178 ppb		-0.01
Spiked Amount 2.000			Recovery	= 209.100%		
17) Surrogate Recovery (TPH)	11.69	244	5293	4.28598 ppb		-0.02
Spiked Amount 2.000			Recovery	= 214.300%		
Target Compounds						Qvalue
3) Naphthalene	6.12	128	7897	4.09790 ppb		99
4) 2-Methylnaphthalene	6.92	142	4416	4.46897 ppb		85
5) 1-Methylnaphthalene	7.01	142	5125	4.49316 ppb		84
8) Acenaphthylene	7.94	152	6939	4.51874 ppb		99
9) Acenaphthene	8.13	154	4126	4.69470 ppb		98
10) Fluorene	8.75	166	4635	4.81991 ppb		100
12) Phenanthrene	9.86	178	6322	4.92533 ppb		98
13) Anthracene	9.93	178	6669	5.11711 ppb		95
14) Fluoranthene	11.25	202	10522	4.72534 ppb		94
16) Pyrene	11.50	202	11098	4.39689 ppb	#	90
18) Benz (a) anthracene	12.91	228	7392	4.44608 ppb		99
19) Chrysene	12.95	228	10020	4.50536 ppb		97
20) Indeno (1,2,3-cd) pyrene	16.10	276	7590	4.40352 ppb		94
22) Benzo (b) fluoranthene	14.12	252	7498	4.60344 ppb	#	94
23) Benzo (k) fluoranthene	14.14	252	9123	5.41215 ppb		99
24) Benzo (a) pyrene	14.50	252	7129	4.47416 ppb		94
25) Dibenz (a,h) anthracene	16.09	278	5912	4.41880 ppb		99
26) Benzo (g,h,i) perylene	16.55	276	6603	4.68077 ppb		98

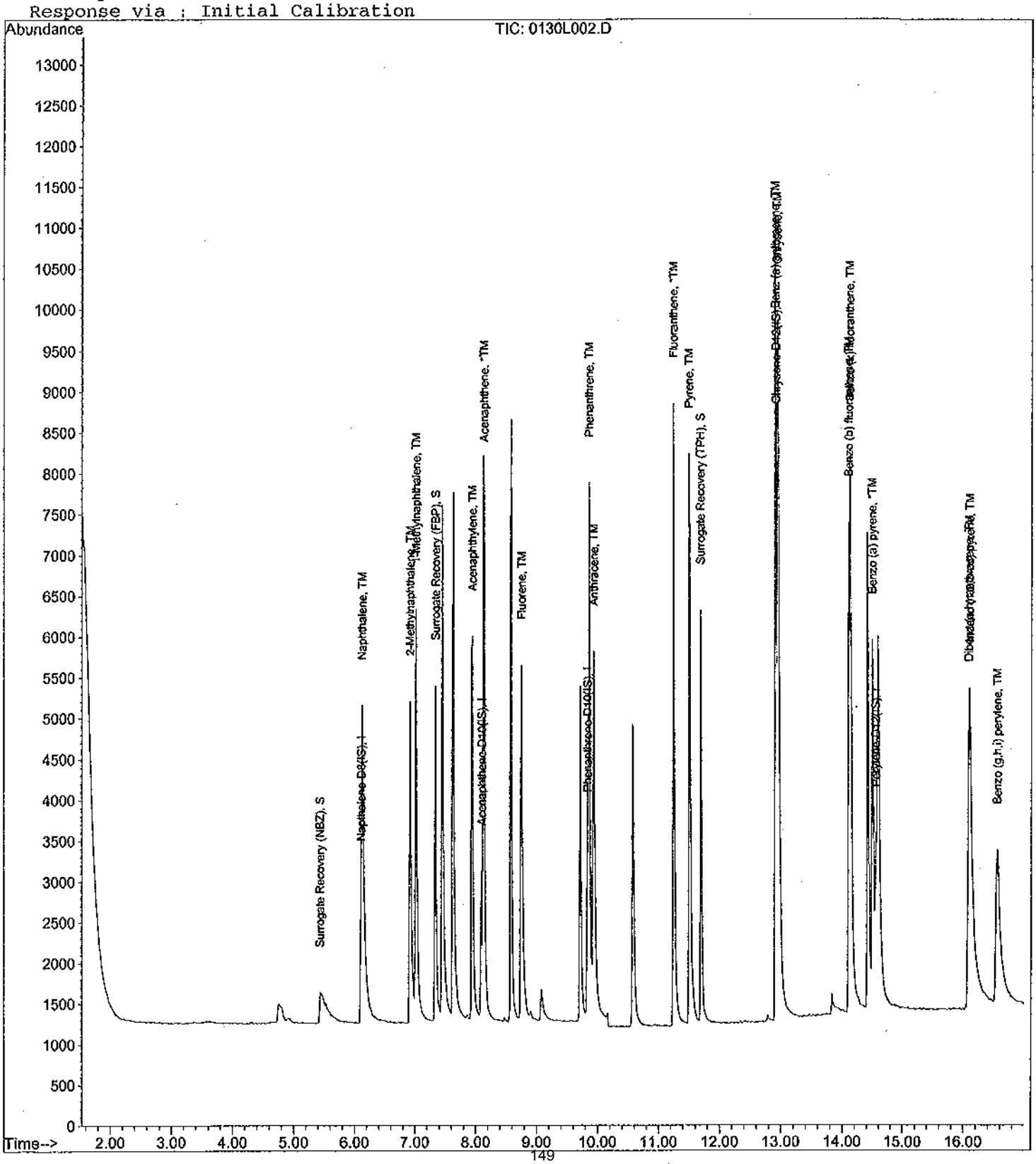
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\0130L002.D Vial: 2
Acq On : 30 Jan 12 18:36 Operator: LF
Sample : 5.0ug/ml PAH 10-27-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 15:19 2012 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration



EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Raw Data

Method Blank
EPA 8270D SIM

Blank Name/QCG: **120127W-53434 - 163643**
Batch ID: #SIMHC-120127A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	BENZO(A)PYRENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
BLANK	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
BLANK	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/27/12	01/30/12
BLANK	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/27/12	01/30/12
BLANK	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/27/12	01/30/12
BLANK	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/27/12	01/30/12
BLANK	SURROGATE: 2-FLUORBIPHENY	51.7	50-110			%	01/27/12	01/30/12
BLANK	SURROGATE: NITROBENZENE-	58.5	40-110			%	01/27/12	01/30/12
BLANK	SURROGATE: TERPHENYL-D14 (	53.4	50-135			%	01/27/12	01/30/12

Quant Method: SIM2.M
Run #: 0130L003
Instrument: Linus
Sequence: L111027
Initials: LF

GC SC-Blank-REG MDLs
Printed: 02/06/12 12:36:54 PM

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\0130L003.D Vial: 3
Acq On : 30 Jan 12 19:01 Operator: LF
Sample : 120127A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 15:20 2012 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	6.12	136	2319	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	8.10	164	976	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.86	188	2166	2.50000 ppb	0.01
15) Chrysene-D12(IS)	12.95	240	3024	2.50000 ppb	0.02
21) Perylene-D12(IS)	14.59	264	2283	2.50000 ppb	0.04
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.49	82	486	1.17017 ppb	0.02
Spiked Amount 2.000			Recovery = 58.500%		
7) Surrogate Recovery (FBP)	7.36	172	900	1.03440 ppb	0.01
Spiked Amount 2.000			Recovery = 51.700%		
17) Surrogate Recovery (TPH)	11.70	244	1390	1.06748 ppb	-0.01
Spiked Amount 2.000			Recovery = 53.350%		

Target Compounds Qvalue

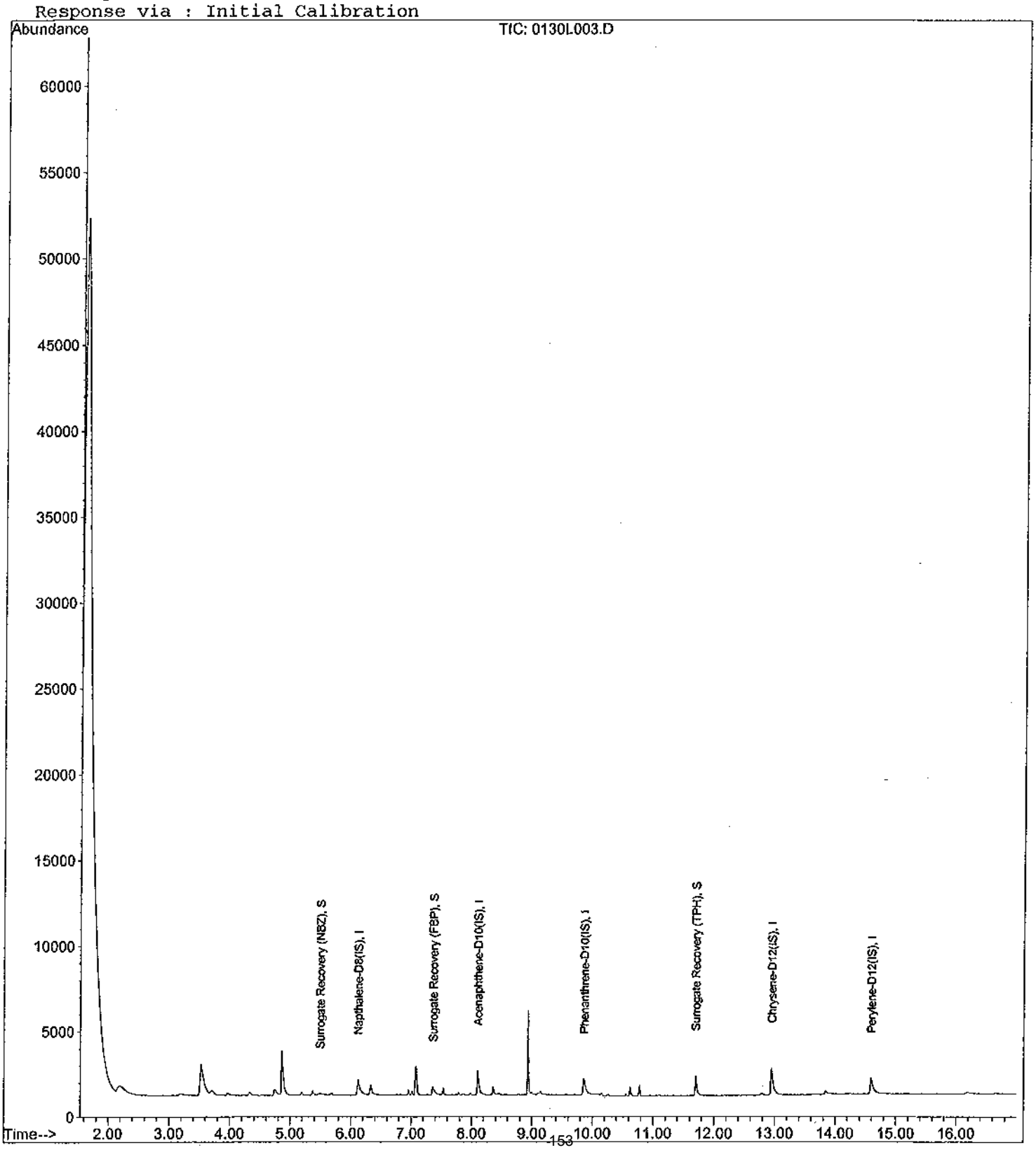
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\0130L003.D Vial: 3
Acq On : 30 Jan 12 19:01 Operator: LF
Sample : 120127A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 15:20 2012 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 16 14:18:35 2012
Response via : Initial Calibration



Laboratory Control Spike Recovery

EPA 8270D SIM

APPL ID: **120127W-53434 LCS - 163643**
Batch ID: #SIMHC-120127A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
1-METHYLNAPHTHALENE	4.00	2.64	66.0	45-105
2-METHYLNAPHTHALENE	4.00	2.50	62.5	45-105
ACENAPHTHENE	4.00	2.68	67.0	45-110
ACENAPHTHYLENE	4.00	2.63	65.8	50-105
ANTHRACENE	4.00	2.82	70.5	55-110
BENZO(A)ANTHRACENE	4.00	2.44	61.0	55-110
BENZO(A)PYRENE	4.00	2.69	67.3	55-110
BENZO(B)FLUORANTHENE	4.00	2.26	56.5	45-120
BENZO(GHI)PERYLENE	4.00	2.59	64.8	40-125
BENZO(K)FLUORANTHENE	4.00	3.86	96.5	45-125
CHRYSENE	4.00	3.06	76.5	55-110
DIBENZ(A,H)ANTHRACENE	4.00	2.38	59.5	40-125
FLUORANTHENE	4.00	2.99	74.8	55-115
FLUORENE	4.00	3.10	77.5	50-110
INDENO(1,2,3-CD)PYRENE	4.00	2.58	64.5	45-125
NAPHTHALENE	4.00	2.47	61.8	40-100
PHENANTHRENE	4.00	2.72	68.0	50-115
PYRENE	4.00	2.70	67.5	50-130
SURROGATE: 2-FLUORBIPHENYL (S)	2.00	1.13	56.5	50-110
SURROGATE: NITROBENZENE-D5 (S)	2.00	1.27	63.5	40-110
SURROGATE: TERPHENYL-D14 (S)	2.00	1.18	59.0	50-135

Comments:

Primary	SPK
Quant Method :	SIM2.M
Extraction Date :	01/27/12
Analysis Date :	01/30/12
Instrument :	Linus
Run :	0130L004
Initials :	LF

Printed: 02/06/12 12:36:55 PM

APPL Standard LCS

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L111027\0130L004.D Vial: 4
Acq On : 30 Jan 12 19:27 Operator: LF
Sample : 120127A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 15:20 2012 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Jan 17 09:47:41 2012
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	6.11	136	1952	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	8.10	164	953	2.50000 ppb		-0.01
11) Phenanthrene-D10(IS)	9.84	188	2053	2.50000 ppb		-0.01
15) Chrysene-D12(IS)	12.93	240	2858	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.57	264	2324	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.48	82	445	1.27290 ppb		0.01
Spiked Amount 2.000			Recovery = 63.650%			
7) Surrogate Recovery (FBP)	7.35	172	957	1.12646 ppb		0.00
Spiked Amount 2.000			Recovery = 56.300%			
17) Surrogate Recovery (TPH)	11.70	244	1449	1.17743 ppb		-0.01
Spiked Amount 2.000			Recovery = 58.850%			
Target Compounds						Qvalue
3) Naphthalene	6.13	128	3364	2.47359 ppb		99
4) 2-Methylnaphthalene	6.93	142	1742	2.49804 ppb		83
5) 1-Methylnaphthalene	7.02	142	2127	2.64240 ppb		84
8) Acenaphthylene	7.94	152	3341	2.63457 ppb		99
9) Acenaphthene	8.13	154	1944	2.67847 ppb		95
10) Fluorene	8.75	166	2462	3.10020 ppb		99
12) Phenanthrene	9.86	178	3594	2.71954 ppb		99
13) Anthracene	9.93	178	3788	2.82299 ppb		97
14) Fluoranthene	11.26	202	6857	2.99092 ppb		99
16) Pyrene	11.51	202	6781	2.69595 ppb		99
18) Benz (a) anthracene	12.91	228	4048	2.44328 ppb		96
19) Chrysene	12.96	228	6776	3.05740 ppb		99
20) Indeno (1,2,3-cd) pyrene	16.12	276	4425	2.57625 ppb	#	95
22) Benzo (b) fluoranthene	14.12	252	3702	2.26113 ppb		96
23) Benzo (k) fluoranthene	14.15	252	6542	3.86095 ppb		97
24) Benzo (a) pyrene	14.51	252	4304	2.68724 ppb	#	93
25) Dibenz (a,h) anthracene	16.11	278	3204	2.38240 ppb		96
26) Benzo (g,h,i) perylene	16.58	276	3678	2.59382 ppb		99

$\frac{3364 \times 2.5}{1952 \times 1.742} = 2.47$ LF 2/17/12

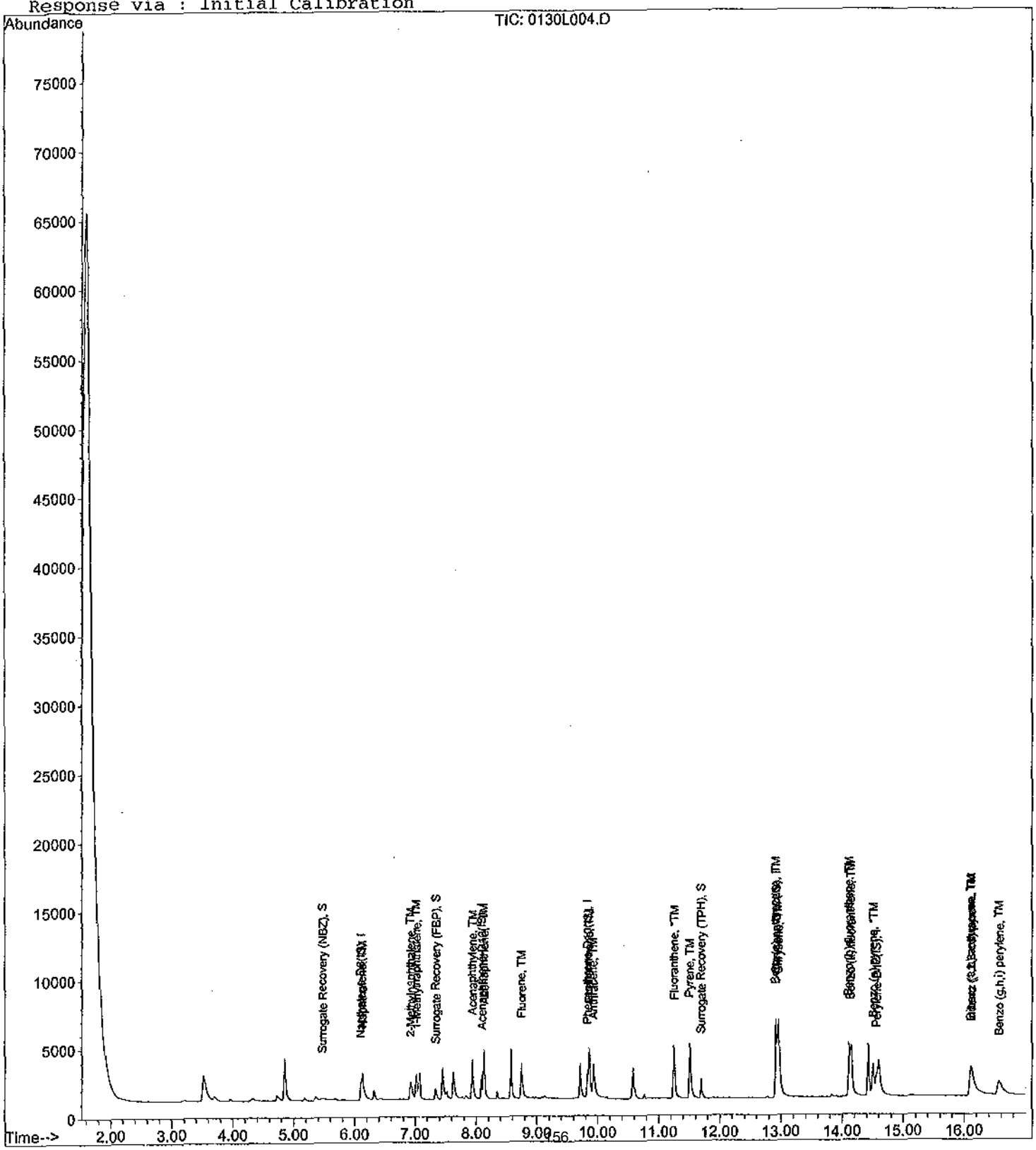
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L111027\0130L004.D Vial: 4
Acq On : 30 Jan 12 19:27 Operator: LF
Sample : 120127A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 15:20 2012 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 16 14:18:35 2012
Response via : Initial Calibration

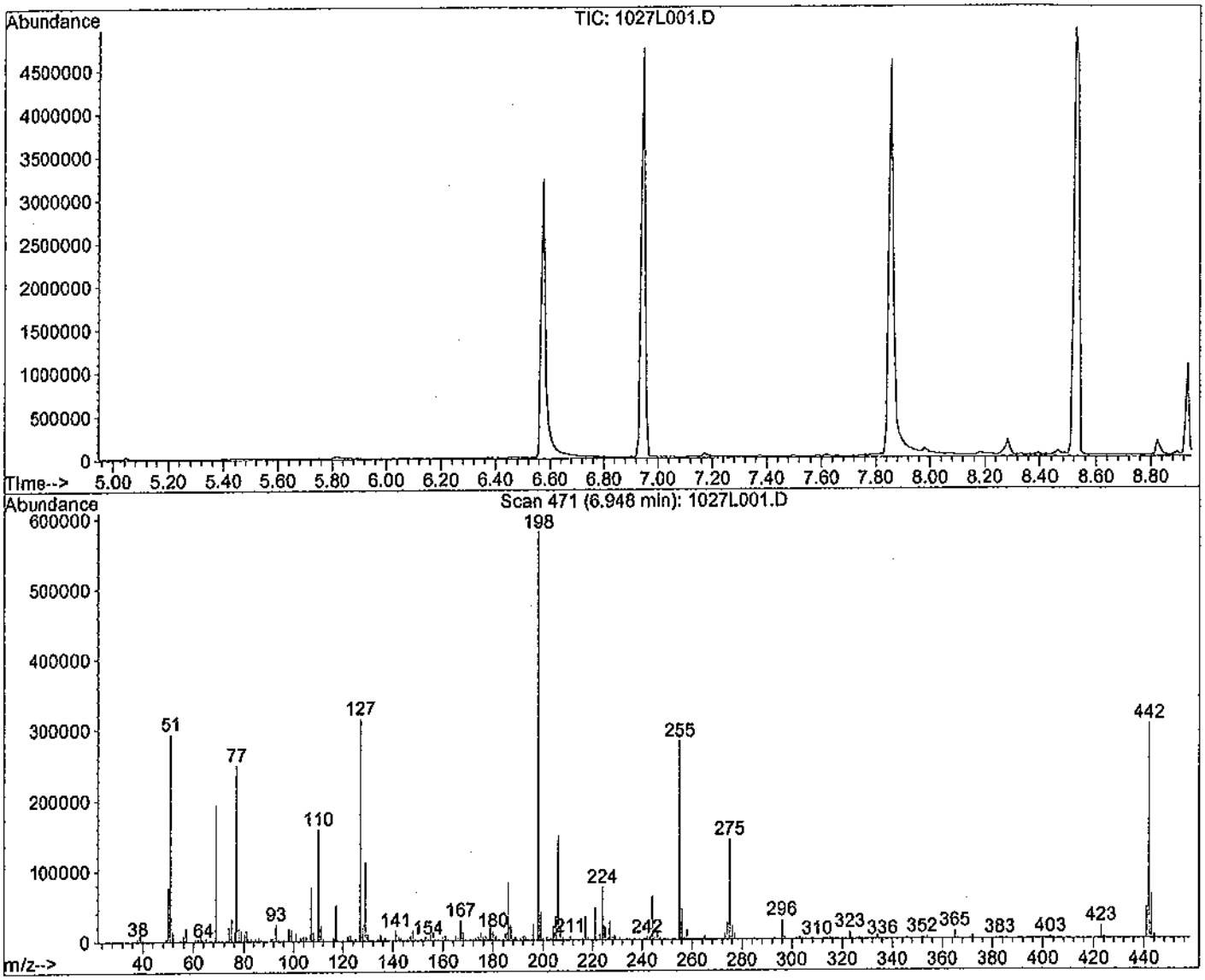


DFTPP

Data File : M:\LINUS\DATA\L111027\1027L001.D
Acq On : 27 Oct 11 18:29
Sample : SVTUNE 10-27-11
Misc :

Vial: 1
Operator: LF
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C



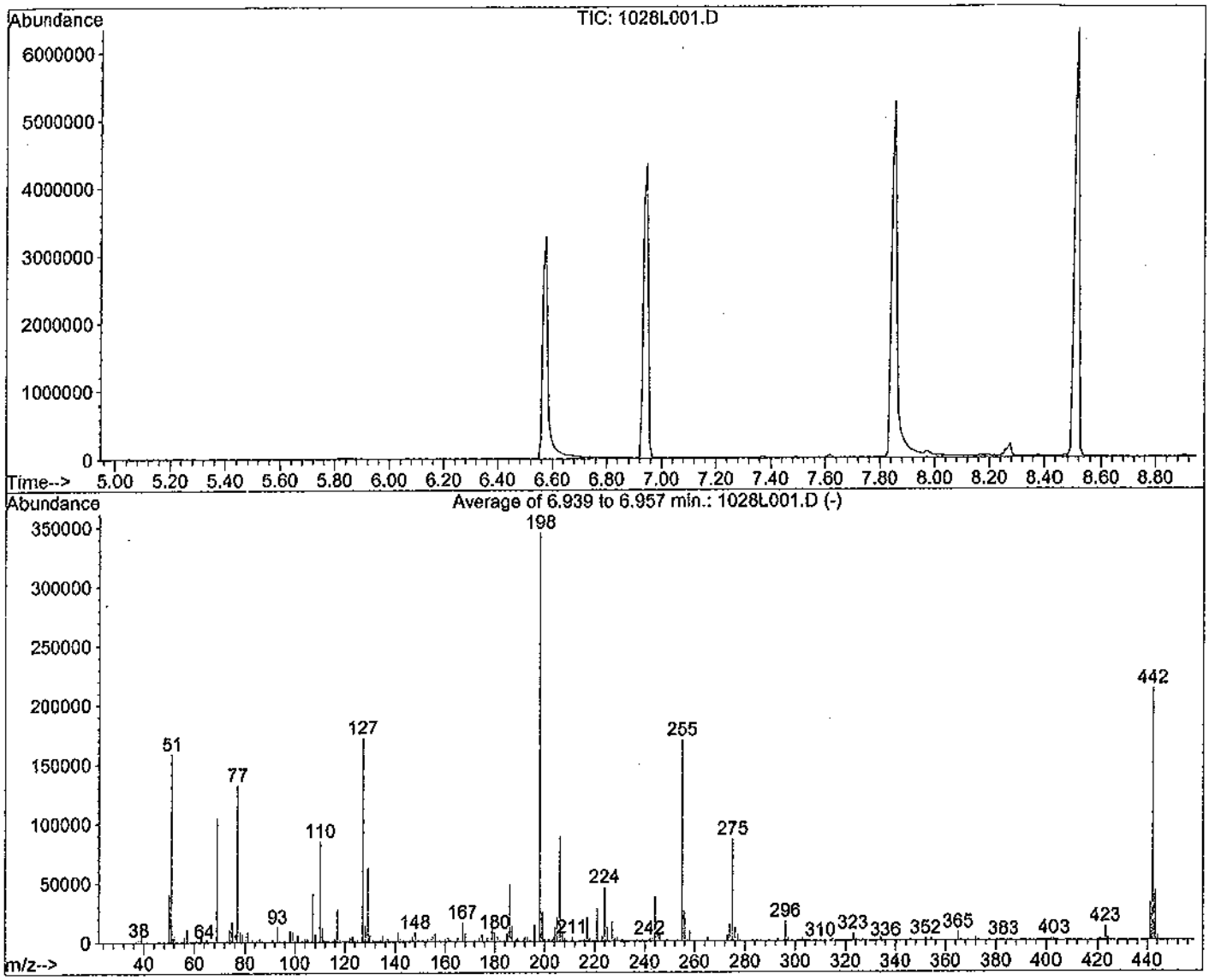
Spectrum Information: Scan 471

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.7	294016	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.6	1188	PASS
127	198	40	60	54.3	314624	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	579520	PASS
199	198	5	9	7.0	40304	PASS
275	198	10	30	24.5	141888	PASS
365	198	1	100	2.0	11470	PASS
441	443	0.01	100	70.8	44728	PASS
442	198	40	150	52.6	304768	PASS
443	442	17	23	20.7	63176	PASS

Data File : M:\LINUS\DATA\L111027\1028L001.D
Acq On : 28 Oct 11 9:32
Sample : SVTUNE 10-27-11
Misc :

Vial: 1
Operator: LF
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C

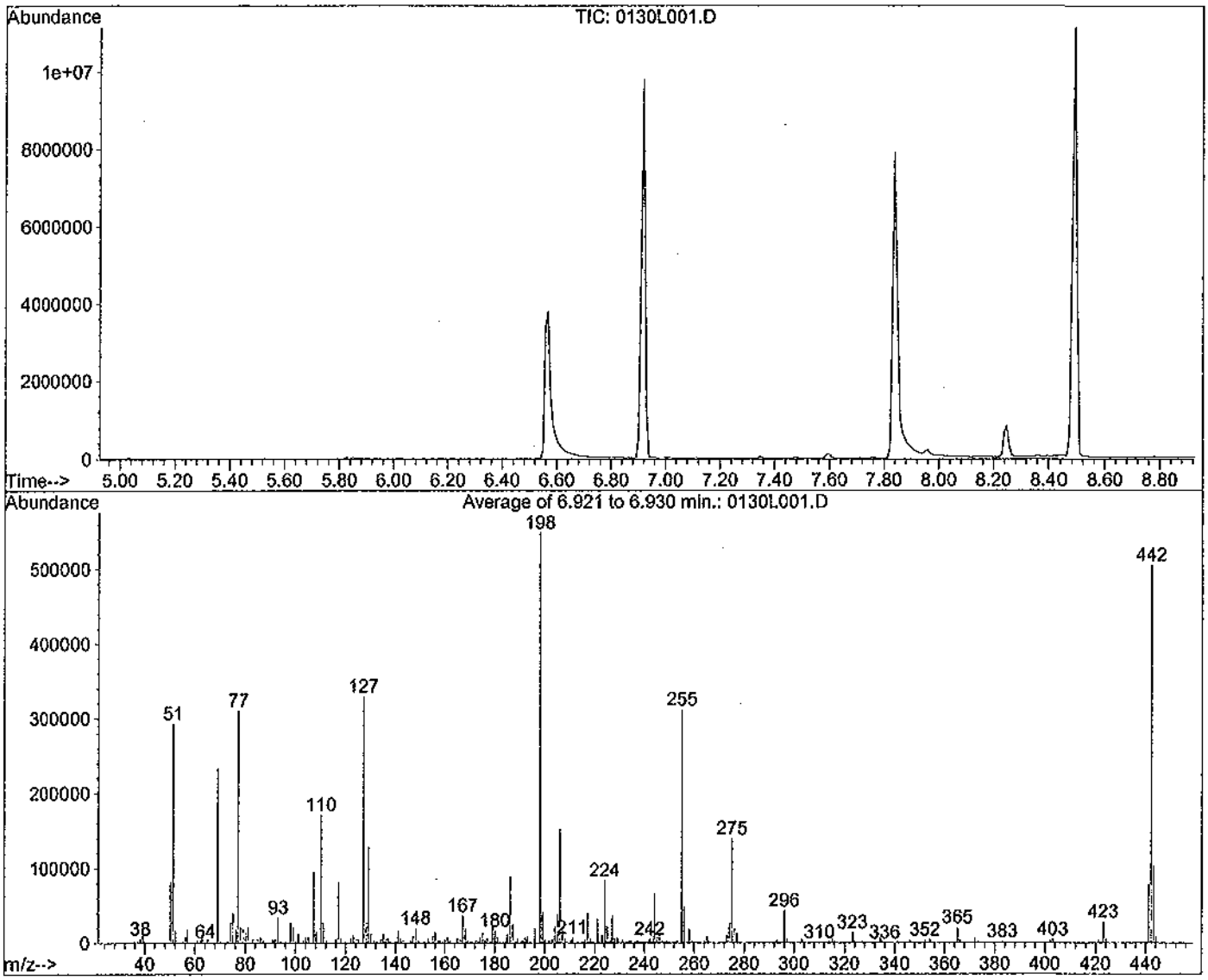


Spectrum Information: Average of 6.939 to 6.957 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.8	158326	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	519	PASS
127	198	40	60	49.8	171922	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	345360	PASS
199	198	5	9	7.1	24580	PASS
275	198	10	30	24.8	85541	PASS
365	198	1	100	2.0	6987	PASS
441	443	0.01	100	74.7	31248	PASS
442	198	40	150	61.5	212309	PASS
443	442	17	23	19.7	41843	PASS

Data File : M:\LINUS\DATA\L111027\0130L001.D Vial: 1
Acq On : 30 Jan 12 18:18 Operator: LF
Sample : SVTUNE 10-27-11 Inst : Linus
Misc : Multiplr: 1.00

Method : M:\LINUS\DATA\L111027\SIM2.M (RTE Integrator)
Title : EPA 8270C



Spectrum Information: Average of 6.921 to 6.930 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.3	292572	PASS
68	69	0.00	2	0.0	109	PASS
70	69	0.00	2	0.7	1627	PASS
127	198	40	60	59.9	328990	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	549092	PASS
199	198	5	9	7.3	40068	PASS
275	198	10	30	25.3	139108	PASS
365	198	1	100	3.7	20583	PASS
441	443	0.01	100	75.2	77512	PASS
442	198	40	150	92.0	505248	PASS
443	442	17	23	20.4	103096	PASS

VF 1/17/11

PREP DATE:	01-17-11					
8270C Stock/Spike Standard						
Exp:	05-29-11					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-28092	01/17/11	03-20-12	1000
Absolute	10001	2000	032009-28091	01/17/11	03-20-12	1000
Absolute	10002	2000	073109-27974	01/17/11	07-31-12	1000
Absolute	10002	2000	073109-27973	01/17/11	07-31-12	1000
Absolute	10004	2000	101509-27979	01/17/11	10-15-14	1000
Absolute	10004	2000	101509-27978	01/17/11	10-15-14	1000
Absolute	10005	2000	061209-27984	01/17/11	06-12-14	1000
Absolute	10005	2000	061209-27983	01/17/11	06-12-14	1000
Absolute	10006	2000	120810-27989	01/17/11	12-08-13	1000
Absolute	10006	2000	120810-27988	01/17/11	12-08-13	1000
Absolute	10007	2000	100909-28010	01/17/11	10-09-14	1000
Absolute	10007	2000	100909-28013	01/17/11	10-09-14	1000
Absolute	10018	2000	073109-27994	01/17/11	07-31-14	1000
Absolute	10018	2000	073109-27993	01/17/11	07-31-14	1000
Absolute	70023	1000	080310-28008	01/17/11	08-03-15	1000
Absolute	70023	1000	080310-28009	01/17/11	08-03-15	1000
Absolute	82705	2000	121010-27999	01/17/11	12-10-13	1000
Absolute	82705	2000	121010-27998	01/17/11	12-10-13	1000
Absolute	94552	2000	052908-28004	01/17/11	05-29-11	1000
Absolute	94552	2000	052908-28003	01/17/11	05-29-11	1000
					Final Vol	20000

VF 1/25/11

PREP DATE:	01-25-11																	VF
8270T STANDARD CURVE																		
Exp:	02-24-11						0.1	0.2	1	5	10	20	40	50	60	80	100	
		Conc.			Date													
Supplier	ID #	µg/mL	Lot #		Code	Exp.Date			µL	µL	µL	µL	µL	µL	µL	µL	µL	
	8270T Stock	200			12/17/10	05-29-11	0	0	0	5	5	10	20	25	30	40	50	
	5.0ug/mL				01/25/11		0	0	20	0	0	0	0	0	0	0	0	
	1.0ug/mL				01/25/11		10	20	0	0	0	0	0	0	0	0	0	
	Surrogate Stock	VAR	169535-27570		11/11/10	11-11-11	0	0	0	5	5	10	20	25	30	40	50	
EM Science	Methylene Chloride		47080				90	80	80	190	90	80	60	50	40	20	0	
						Final Vol.			100	200	100	100	100	100	100	100	100	

VF 1/25/11

PREP DATE:	01-25-11						VF
8270 Second Source (SS) 50ug/mL							
							50
		Conc.		Date	CODE:		
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	
	8270C SS	200		10/06/10	10-06-11	25	
EM Science	Methylene Chloride		47080			75	
					Final Vol.	100	

VF 1/20/11

Method 8270 Internal Standard Solution, 2,000 mg/L, 1 ml
31001-42
Lot # 167766 Storage 5-10 Degrees C Expiry 4/20/13
Solv: Methylene Chloride
RAID ready, not known exposure. Made in the USA

exp 1/25/12

8270 Internal Standard
Lot #: 167766 - 28148
Rec: 1/20/11 MFR exp. 04/20/13

VF 1/25/11

Method 8270 Internal Standard Solution, 2,000 mg/L, 1 ml
31001-42
Lot # 167766 Storage 5-10 Degrees C Expiry 4/20/13
Solv: Methylene Chloride
RAID ready, not known exposure. Made in the USA

exp 1/25/12

8270 Internal Standard
Lot #: 167766 - 28147

LF 3/23/11

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 components
Varied ug/mL in
ABSOLUTE STANDA
Semi-Volatile Standard
Lot #: 052908 - 28001
Rec: 12/16/10 MFR exp. 05/29/11

LF

exp 5/29/11

LF 3/23/11

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 components
Varied ug/mL in
ABSOLUTE STANDA
Semi-Volatile Standard
Lot #: 052908 - 28002
Rec: 12/16/10 MFR exp. 05/29/11

LF

exp 5/29/11

LF 3/23/11

Part #: 82705 Laboratory Use Only - See MSDS
Lot #: 121010 Exp: 121013 Storage 4 °C
EPA Method 8270A
4 components
2000 ug/mL in ace
EPA Method 8270A-Mix#11
Lot #: 121010 - 27996
Rec: 12/16/10 MFR exp. 12/10/13
ABSOLUTE STANDARDS, INC.

LF

exp 6/29/11

LF 3/23/11

Part #: 82705 Laboratory Use Only - See MSDS
Lot #: 121010 Exp: 121013 Storage 4 °C
EPA Method 8270A - Mix #11
4 components
2000 ug/mL in ace
EPA Method 8270A-Mix#11
Lot #: 121010 - 27997
Rec: 12/16/10 MFR exp. 12/10/13
ABSOLUTE STANDA

LF

exp 5/29/11

LF 3/23/11

PREP DATE:	03-23-11					
8270C Stock/Spike Standard						
Exp:	05-29-11					
		Conc.		Date	CODE:	P
Supplier	ID #	ug/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-28089	03/23/11	03-20-12	1000
Absolute	10001	2000	320009-28090	03/23/11	03-20-12	1000
Absolute	10002	2000	073109-27971	03/23/11	07-31-12	1000
Absolute	10002	2000	073109-27972	03/23/11	07-31-12	1000
Absolute	10004	2000	101509-27976	03/23/11	10-15-14	1000
Absolute	10004	2000	101509-27977	03/23/11	10-15-14	1000
Absolute	10005	2000	061209-27981	03/23/11	06-12-14	1000
Absolute	10005	2000	061209-27982	03/23/11	06-12-14	1000
Absolute	10006	2000	120810-27986	03/23/11	12-08-13	1000
Absolute	10006	2000	120810-27987	03/23/11	12-08-13	1000
Absolute	10007	2000	100909-28015	03/23/11	10-09-14	1000
Absolute	10007	2000	100909-28014	03/23/11	10-09-14	1000
Absolute	10018	2000	073109-27991	03/23/11	07-31-14	1000
Absolute	10018	2000	073109-27992	03/23/11	07-31-14	1000
Absolute	70023	1000	080310-28006	03/23/11	08-03-15	1000
Absolute	70023	1000	080310-28007	03/23/11	08-03-15	1000
Absolute	82705	2000	052908-28001	03/23/11	05-29-11	1000
Absolute	82705	2000	052908-28002	03/23/11	05-29-11	1000
Absolute	94552	2000	121010-27996	03/23/11	12-10-13	1000
Absolute	94552	2000	121010-27997	03/23/11	12-10-13	1000
					Final Vol	20000

LF 3/23/11

Surr IS exp 1/25/12
1500µL EM Science MC Lot #47080

UF 3/28/11

8270 BN:A (200:400) Surrogate Solution, 1 ml

o2si smart solutions 310004-17 Storage: </= -10 Degrees C

Made in USA Lot No: 160538 Solvent: Methylene Chloride

Exp: 3/28/2011

Date Opened: 8270 BN:A (200:400) Surrogate Solution

Lot #: 160538 - 27574

Rec: 10/18/10 MFR exp. 06/10/12

UF exp 3/28/12

UF 3/28/11

PREP DATE:	03-28-11															
8270T STANDARD CURVE																
Exp:	04-27-11					0.1	0.2	1	5	10	20	40	50	60	80	100
		Conc.		Date												
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date			µL	µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		03/23/11	05-29-11	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			03/28/11		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			03/28/11		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27574	03/28/11	03-28-12	0	0	0	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080			90	80	80	190	90	80	60	50	40	20	0
					Final Vol.			100	200	100	100	100	100	100	100	100

UF 3/28/11

PREP DATE:	03-28-11					
8270 Second Source (SS) 50ug/mL						50 UF
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/06/10	10-06-11	25
EM Science	Methylene Chloride		47080			75
					Final Vol.	100

UF 4/18/11

GCM-150-1 ULTRA 1 mL

Lot: CF-2995

Exp: 08/31/2011

Semi-Volatiles GC/MS Tuning Standard

4 analyte(s) at 1000 µg/mL in dichloromethane

250 Smith St, N Kingstown, RI 02852 USA

Semi-volatiles GC/MS Tuning Standard

Lot #: CF-2995 - 26131

Rec: 2/17/10 MFR exp. 08/31/11

UF exp 8/31/11

UF 4/13/11

PREP DATE:	04-13-11						
SV Tune Mix 50ug/mL							UF
Exp:	08-31-11						exp 8/31/11
		Conc.		Date	CODE:	B	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	
U. Scientific	GCM-150	1000	CF-2995-26131	04/13/11	08-31-11	1000	
EM Science	MeCl2		47080			19000	
					Final Vol	20000	

UF 4/20/11

8270D PAH SIM Solution, 200 mg/L, 1 ml

310780-01

Lot # 170253 Storage <-10 Degrees C Expiry 3/3/13

Solvt Methylene Chloride

UF exp 4/20/12

BA

8270D PAH SIM

Lot #: 170253 - 28485

Rec: 3/10/11 MFR exp. 3/3/2013

UF

8270D PAH SIM Solution, Second Source, 200 mg/L, 1 ml

310780-01-SS

Lot # 170256 Storage <-10 Degrees C Expiry 3/3/13

Solvt Methylene Chloride

exp 4/20/12

8270D PAH SIM (SS)

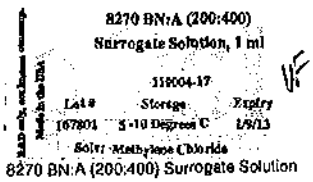
Lot #: 170256 - 28487

BA

8/16/11

PREP DATE:	08/16/11		exp:	08/23/11			
10ug/mL 1,2,3-TCP							
	50uL of 1000ug/mL 1,2,3 TCP into a final volume of 5mL of P&T Methanol						
	1000ug/mL 1,2,3 TCP date code:			05/27/11			
	P & T Methonal Lot #			9077-02			
PREP DATE:	08/16/11		exp:	08/23/11			
1ug/mL 1,2,3-TCP							
	5uL of 1000ug/mL 1,2,3 TCP into a final volume of 5mL of P&T Methanol						
	1000ug/mL 1,2,3 TCP date code:			05/27/11			
	P & T Methanol Lot #			JT Baker H46E44			
PREP DATE:	08/16/11		exp:	08/23/11			
2ug/mL 1,2,3-TCPd5							
	10uL of 2000ug/mL 1,2,3 TCP into a final volume of 10mL of P&T Methanol						
	2000ug/mL 1,2,3 TCP-d5 date code:			05/27/11			
	P & T Methanol Lot #			9077-02			

8/22/11



exp 8/22/12

8270 BN:A (200:400) Surrogate Solution
Lot #: 167802 - 29313
Rec: 8/8/11 MFR exp. 01/09/13

8/22/11

PREP DATE:	08-22-11												
8270 STANDARD CURVE													
Exp:	08-29-11					5	10	20	40	50	60	80	100
		Conc.		Date									
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		07/26/11	01-26-12	5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	167802-29313	08/22/11	08-22-12	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47186			190	90	80	60	50	40	20	0
					Final Vol.	200	100	100	100	100	100	100	100

8/22/11

PREP DATE:	08-22-11					
8270 Second Source (88) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/06/10	10-06-11	25
EM Science	Methylene Chloride		47186			75
					Final Vol.	100

8/9/11

PREP DATE:	09-21-11												
8270 SIM STANDARD CURVE													
						0.10	0.20	0.50	1.00	5.00	10.00	50.00	100.00
		Conc.		Date	CODE:	A	A	C	D	E	F	G	H
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	µL	µL	µL	µL	µL	µL	µL
	8270D PAH SIM	200	170253-28485	04/20/11	04-20-12	0	0	0	0	5	5	25	50
	5.0ug/mL	5		09/21/11		0	0	10	20	0	0	0	0
	1.0ug/mL	1		09/21/11		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	167802-29313	08/22/11	08-23-11	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47186			90	80	90	80	190	90	50	0
					Final Vol.	100	100	100	100	200	100	100	100

PREP DATE:	09-21-11						
SIM 8270 Second Source (5µg/mL)							
Exp:	10-05-11						
				Conc.	Date	CODE:	
Supplier	ID #		Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)		170256-28487	200	04/20/11	04-20-12	5
	MeCl2			Lot#47186			195
					Final Volume		200

8270 BN Solution 14-4, 2,000 mg/L, 1 ml

Cat. No: 110391-01
Lot No: 158119
8270BN Solution 14-4
Lot #: 158119 - 28021
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

8270 BN Solution 14-3, 2,000 mg/L, 1 ml

Cat. No: 110392-01
Lot No: 158120
8270BN Solution 14-3
Lot #: 158120 - 28023
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

8270 Acid Solution 4-6, 2,000 mg/L, 1 ml

Cat. No: 110393-01
Lot No: 158121
8270B Acid Solution 4-6
Lot #: 158121 - 28025
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

TCL Hazardous Substances Solution 2, 2,000 mg/L, 1 ml

Cat. No: 110394-01
Lot No: 158122
TCL Hzd. Soln. 2
Lot #: 158122 - 28018
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

PAH Solution 17-3, 2,000 mg/L, 1 ml

Cat. No: 116070-02
Lot No: 158123
PAH Solution
Lot #: 158123 - 28027
Rec: 12/16/10 MFR exp. 07/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

8270 Acid Solution 13-4, 2,000 mg/L, 1 ml

Cat. No: 110396-01
Lot No: 158124
8270 Acid Solution 13-4
Lot #: 158124 - 28029
Rec: 12/16/10 MFR exp. 04/17/13

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

10/11/11

8270 BN Solution 4-21, 2,000 mg/L, 1 ml

o2si

Cat. No: 110395-01
Lot No: 158125

Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

8270BN Solution 4-21
Lot #: 158125 - 28031
Rec: 12/16/10 MFR exp. 04/17/13

opened: _____

UF exp 10/12/11

10/11/11

8270 11 Compound Custom Mix, 200:2,000 mg/L, 1 ml

o2si

Cat. No: 110397-01
Lot No: 158127

Exp: 4/12/2012
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

8270 11 Compound Mix
Lot #: 158127 - 28033
Rec: 12/16/10 MFR exp. 04/12/12

opened: _____

UF exp 4/12/12

10/11/11

Atrazine Solution, 1,000 mg/L, 1 ml

o2si

Cat. No: 010337-01
Lot No: 158126

Exp: 4/12/2012
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

Atrazine
Lot #: 158126 - 28019
Rec: 12/16/10 MFR exp. 04/12/12

opened: _____

UF exp 4/12/12

10/11/11

PREP DATE:	10-11-11						
8270C Second Source Stock Standard							UF
Exp:	04-12-12						
		Conc.		Date	CODE:	P	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	
O2SI	110391-01	2000	158119-28021	10-11-11	04-17-13	1000	
O2SI	110392-01	2000	158120-28023	10-11-11	04-17-13	1000	
O2SI	110393-01	2000	158121-28025	10-11-11	04-17-13	1000	
O2SI	110394-01	2000	158122-28018	10-11-11	04-17-13	1000	
O2SI	116070-02	2000	158123-28027	10-11-11	04-17-13	1000	
O2SI	110395-01	2000	158125-28031	10-11-11	04-17-13	1000	
O2SI	110396-01	2000	158124-28029	10-11-11	04-17-13	1000	
O2SI	110397-01	2000	158127-28033	10-11-11	04-12-12	1000	
O2SI	010337-01	1000	158126-28019	10-11-11	04-12-12	1000	
EM Science	MeCl2		47186			1000	
					Final Vol	10000	

10/11/11

PREP DATE:	10-11-11													UF
8270 STANDARD CURVE														
Exp:	10-18-11						5	10	20	40	50	60	80	100
		Conc.		Date										
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date		µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		07/26/11	01-26-12		5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	167802-29313	08/22/11	08-22-12		5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47186				190	90	80	60	50	40	20	0
						Final Vol.	200	100	100	100	100	100	100	100

10/11/11

PREP DATE:	10-11-11						UF
8270 Second Source (SS) 50ug/mL							
						50	
		Conc.		Date	CODE:		
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	
	8270C SS	200		10/11/11	04-12-12	25	
EM Science	Methylene Chloride		47186			75	
					Final Vol.	100	

10/11/11

GCM-160-1
Lot: CH-2137
Exp: 07/31/2013

ULTRA 1 mL

Semi-Volatiles GC/MS Tuning Standard

4 analyte(s) at 1000 µg/mL in

For Research Use Only

50µg/mL SV Tune Mix
1ml of GCM-160-1 opened 10/11/11 into 19mls EM Science MC Lot#47186

165

10/18/11

Part #: 10001 Laboratory Use Only - See MSDS
Lot #: 042910 Exp: 042913 Storage 0 °C

CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in methy
ABSOLUTE STANDARD

CLP Semi-Volatiles Base/Neutrals Mix #1
Lot # 042910 - 28440
Rec. 3/8/11 MFR exp. 4/29/2013

exp 10/18/12

10/18/11

Part #: 10001 Laboratory Use Only - See MSDS
Lot #: 042910 Exp: 042913 Storage 0 °C

CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in m
ABSOLUTE STANDA

Lot #: 042910 - 29085
Rec: 8/4/11 MFR exp. 04/29/13

exp 10/18/12

10/18/11

Part #: 10002 Laboratory Use Only - See MSDS
Lot #: 073109 Exp: 073112 Storage 4 °C

CLP Semi-Volatiles Base/Neutrals Mix #2
14 components
2000 ug/mL in methyle
ABSOLUTE STANDARDS

CLP Semi-Volatiles Base/Neutrals Mix #2
Lot #: 073109 - 28446
Rec: 3/8/11 MFR exp. 7/31/2012

exp 7/31/12

10/18/11

Part #: 10002 Laboratory Use Only - See MSDS
Lot #: 073109 Exp: 073112 Storage 4 °C

CLP Semi-Volatiles Base/Neutrals Mix #2
14 components
2000 ug/mL in met
ABSOLUTE STANDAF

CLP Semi-Volatiles Base Neutrals Mix #2
Lot #: 073109 - 29090
Rec: 8/4/11 MFR exp. 07/31/12

exp 7/31/12

10/18/11

Part #: 10004 Laboratory Use Only - See MSDS
Lot #: 101509 Exp: 101514 Storage 4 °C

CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in methyl
ABSOLUTE STANDARDS

CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 28453
Rec: 3/8/11 MFR exp. 10/15/201

exp 10/18/12

10/18/11

Part #: 10004 Laboratory Use Only - See MSDS
Lot #: 101509 Exp: 101514 Storage 4 °C

CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in met
ABSOLUTE STANDAR

CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 29095
Rec: 8/4/11 MFR exp. 10/15/14

exp 10/18/12

10/18/11

Part #: 10005 Laboratory Use Only - See MSDS
Lot #: 061209 Exp: 061214 Storage 4 °C

CLP Semi-Volatiles Toxic Substances #2
8 components
2000 ug/mL in methy
ABSOLUTE STANDARD

CLP Semi-Volatiles Toxic Substances #2
Lot #: 061209 - 28458
Rec: 3/8/11 MFR exp. 6/12/2014

exp 10/18/12

10/18/11

Part #: 10005 Laboratory Use Only - See MSDS
Lot #: 121208 Exp: 121213 Storage 4 °C

CLP Semi-Volatiles Toxic Substances #2
8 components
2000 ug/mL in met
ABSOLUTE STANDAR

CLP Semi-Volatiles Toxic Substances #2
Lot #: 121208 - 29100
Rec: 8/4/11 MFR exp. 12/12/13

exp 10/18/12

Part #: 10006 Laboratory Use Only - See MSDS
Lot #: 120810 Exp: 120813 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in methar
ABSOLUTE STANDARD
CLP Semi-Volatiles - Benzidines
Lot #: 120810 - 28462
Rec: 3/8/11 MFR exp. 12/8/2013

exp 10/18/12

Part #: 10006 Laboratory Use Only - See MSDS
Lot #: 071211 Exp: 071214 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in meti
ABSOLUTE STANDAF
Lot #: 071211 - 29105
Rec: 8/4/11 MFR exp. 07/12/14

exp 10/18/12

Part #: 10007 Laboratory Use Only - See MSDS
Lot #: 100909 Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 components
2000 ug/mL in methy
ABSOLUTE STANDAR
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 28469
Rec: 3/8/11 MFR exp. 10/9/2014

exp 10/18/12

Part #: 10007 Laboratory Use Only - See MSDS
Lot #: 100909 Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 components
2000 ug/mL in met
ABSOLUTE STANDAR
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 29110
Rec: 8/4/11 MFR exp. 10/09/14

exp 10/18/12

Part #: 10018 Laboratory Use Only - See MSDS
Lot #: 073109 Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Pher
2000 ug/mL in methyl
ABSOLUTE STANDARD
CLP Semi-Volatiles Mix #8 - Phenols
Lot #: 073109 - 28410
Rec: 3/8/11 MFR exp. 7/31/2014

exp 10/18/12

Part #: 10018 Laboratory Use Only - See MSDS
Lot #: 062111 Exp: 062116 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Phe
2000 ug/mL in meth
ABSOLUTE STANDARI
EPA Method 8270A - Analytes Mix #8
Lot #: 062111 - 29115
Rec: 8/4/11 MFR exp. 06/21/16

exp 10/18/12

Part #: 70023 Laboratory Use Only - See MSDS
Lot #: 080310 Exp: 080315 Storage 4 °C
Atrazine
1000 ug/mL in aceto
ABSOLUTE STANDARI
Atrazine
Lot #: 080310 - 28416
Rec: 3/8/11 MFR exp. 8/13/2015

exp 10/18/12

Part #: 70023 Laboratory Use Only - See MSDS
Lot #: 031611 Exp: 031616 Storage 4 °C
Atrazine
1000 ug/mL in ace
ABSOLUTE STANDA
Atrazine
Lot #: 031611 - 29120
Rec: 8/4/11 MFR exp. 03/16/16

exp 10/18/12

10/18/11

Part #: 82705
Lot #: 121010
Laboratory Use Only - See MSDS
Exp: 121013 Storage 4 °C
EPA Method 8270A - Mix #11
4 components
2000 ug/mL in aceto
ABSOLUTE STANDAR
EPA Method 8270A - Mix #18
Lot #: 121010 - 28428
Rec: 3/8/11 MFR exp. 12/10/201

exp 10/18/12

10/18/11

Part #: 82705
Lot #: 041911
Laboratory Use Only - See MSDS
Exp: 041914 Storage 4 °C
EPA Method 8270A - Mix #11
4 components
2000 ug/mL in aceto
ABSOLUTE STANDAR
Lot #: 041911 - 29125
Rec: 8/4/11 MFR exp. 04/19/14

exp 10/18/12

10/18/11

Part #: 94552
Lot #: 030411
Laboratory Use Only - See MSDS
Exp: 030414 Storage 4 °C
Semi-Volatile Standard
11 components
Varied ug/mL in met
ABSOLUTE STANDARI
Semi-Volatile Standard
Lot #: 030411 - 28423
Rec: 3/8/11 MFR exp. 3/4/2014

exp 10/18/12

10/18/11

Part #: 94552
Lot #: 030411
Laboratory Use Only - See MSDS
Exp: 030414 Storage 4 °C
Semi-Volatile Standa
11 components
Varied ug/mL in met
ABSOLUTE STANDARD
Semi-Volatile Standard
Lot #: 030411 - 29130
Rec: 8/4/11 MFR exp. 03/04/14

exp 10/18/12

10/18/11

PREP DATE:	10-18-11					
8270C Stock/Spike Standard						
Exp:	04-18-12					
		Conc.		Date	CODE:	F
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	042910-28440	10/18/11	04-29-13	1000
Absolute	10001	2000	042910-29085	10/18/11	04-29-13	1000
Absolute	10002	2000	073109-28446	10/18/11	07-31-12	1000
Absolute	10002	2000	073109-29090	10/18/11	07-31-12	1000
Absolute	10004	2000	101509-28453	10/18/11	10-15-14	1000
Absolute	10004	2000	101509-29095	10/18/11	10-15-14	1000
Absolute	10005	2000	061209-28458	10/18/11	06-12-14	1000
Absolute	10005	2000	121208-29100	10/18/11	12-12-13	1000
Absolute	10006	2000	120810-28462	10/18/11	12-08-13	1000
Absolute	10006	2000	071211-29105	10/18/11	07-12-14	1000
Absolute	10007	2000	100909-28469	10/18/11	10-09-14	1000
Absolute	10007	2000	100909-29110	10/18/11	10-09-14	1000
Absolute	10018	2000	073109-28410	10/18/11	07-31-14	1000
Absolute	10018	2000	062111-29115	10/18/11	06-21-16	1000
Absolute	70023	1000	080310-28416	10/18/11	08-03-15	1000
Absolute	70023	1000	031611-29120	10/18/11	03-16-16	1000
Absolute	82705	2000	121010-28428	10/18/11	12-10-13	1000
Absolute	82705	2000	041911-29125	10/18/11	04-19-14	1000
Absolute	94552	2000	030411-28423	10/18/11	03-04-14	1000
Absolute	94552	2000	030411-29130	10/18/11	03-04-14	1000
					Final Vol	20000

LF 10/18/11

Method 8270 Internal Standard Solution, 2,000 mg/L, 1 ml
115001-02
Lot # 167766 Storage 5-10 Degrees C. Expiry 4/20/13
Solv: Methylene Chloride
Made in the USA

8270 Internal Standard
Lot #: 167766 - 28149
Rec: 1/20/11 MFR exp. 04/20/13

LF

Method 8270 Internal Standard Solution, 2,000 mg/L, 1 ml
115001-02
Lot # 167766 Storage 5-10 Degrees C. Expiry 4/20/13
Solv: Methylene Chloride
Made in the USA

8270 Internal Standard
Lot #: 167766 - 28150
Rec: 1/20/11 MFR exp. 04/20/13

LF

exp 10/18/12

LF 10/27/11

GCM-150-1
Lot: CH-2137
Exp: 07/31/2013
ULTRA 1 mL
Semi-Volatiles GC/MS Tuning Standard
4 analyte(s) at 1000 µg/mL in dichloromethane
250 Smith St, No Kingstown, RI 02852 USA
For Lab Use Only

exp 10/27/12

50µg/mL SV Tune Mix 1mL of GCM-150-1 Lot# CH2137 into 19mL of Eur Science MC Lot# 47186.

LF 10/27/11

PREP DATE:	10-27-11												
8270 SIM STANDARD CURVE													
						0.10	0.20	0.50	1.00	5.00	10.00	50.00	100.00
		Conc.		Date	CODE:	A	A	C	D	E	F	G	H
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	µL	µL	µL	µL	µL	µL	µL
	8270D PAH SIM	200	170253-28485	04/20/11	04-20-12	0	0	0	0	5	5	25	50
	5.0ug/mL	5		10/27/11		0	0	10	20	0	0	0	0
	1.0ug/mL	1		10/27/11		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	167802-29313	08/22/11	08-22-12	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47186			90	80	90	80	190	90	50	0
					Final Vol.	100	100	100	100	200	100	100	100

LF 10/27/11

PREP DATE:	10-27-11						
SIM 8270 Second Source (5µg/mL)							
Exp:	11-10-11						
				Conc.	Date	CODE:	
Supplier	ID #		Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)		170256-28487	200	04/20/11	04-20-12	5
	MeCl2			Lot#47186			195
					Final Volume		200

LF 11/8/11

PREP DATE:	11-08-11													
8270 STANDARD CURVE														
Exp:	11-15-11					5	10	20	40	50	60	80	100	
		Conc.		Date										
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	µL	µL	µL	µL	µL	µL	µL	
	8270T Stock	200		10/18/11	04-18-12	5	5	10	20	25	30	40	50	
	Surrogate Stock	VAR	167802-29313	08/22/11	08-22-12	5	5	10	20	25	30	40	50	
EM Science	Methylene Chloride		47186			190	90	80	60	50	40	20	0	
					Final Vol.	200	100	100	100	100	100	100	100	

LF 11/8/11

PREP DATE:	11-08-11					
8270 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/11/11	04-12-12	25
EM Science	Methylene Chloride		47186			75
					Final Vol.	100

_SEP004S

Organic Extraction Worksheet

Method	SIM Separatory Funnel Extra 3510C	Extraction Set	120127A	Extraction Method	SEP004S	Units	mL

Spiked ID 1	SIM Spike 178987-29582		Surrogate ID 1	8270 SIM Surrogate 177982-29475	
Spiked ID 2			Surrogate ID 2		
Spiked ID 3			Surrogate ID 3		
Spiked ID 4			Surrogate ID 4		
Spiked ID 5			Surrogate ID 5		
Spiked ID 6			Sufficient Vol for Matrix QC:	no	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		
			GC Requires Extract By:	02/06/12 0:00	

pH1	2	01/27/12 9:50:00 AM	Water Bath Temp Criteria	80 °C
pH2	14	7/27/12 11:00:00 AM		
pH3				

Spiked By: DL **Date** 01/27/12 **Witnessed By:** GH **Date** 01/27/12

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	120127A Blk				0.025	1 equip	1000 E-WB5	1	2/1	01/27/12 9:45	
2	120127A LCS-1		0.025	1	0.025	1 equip	1000 E-WB5	1	2/1	01/27/12 9:45	
3	AY53434	AY53434W06			0.025	1 equip	1030 E-WB5	1	2/1	01/27/12 9:45	66769-2 week rush -- Amber Liter
4	AY53436	AY53436W07			0.025	1 equip	1050 E-WB5	1	2/1	01/27/12 9:45	66769-2 week rush -- Amber Liter
5	AY53437	AY53437W08			0.025	1 equip	1030 E-WB5	1	2/1	01/27/12 9:45	66769-2 week rush -- Amber Liter
6	AY53438	AY53438W06			0.025	1 equip	1000 E-WB6	1	2/1	01/27/12 9:45	66769-2 week rush -- Amber Liter
7	AY53666	AY53666W06			0.025	1 equip	1000 E-WB6	1	2/1	01/27/12 9:45	66795-2 week rush -- Amber Liter
8	AY53667	AY53667W06			0.025	1 equip	1010 E-WB6	1	2/1	01/27/12 9:45	66795-2 week rush -- Amber Liter
9	AY53668	AY53668W04			0.025	1 equip	1050 E-WB6	1	2/1	01/27/12 9:45	66795-2 week rush -- Amber Liter
10	AY53671	AY53671W06			0.025	1 equip	1050 E-WB6	1	2/1	01/27/12 9:45	66796-2 week rush -- Amber Liter
11	AY53672	AY53672W06			0.025	1 equip	1050 E-WB6	1	2/1	01/27/12 9:45	66796-2 week rush -- Amber Liter
12	AY53673	AY53673W06			0.025	1 equip	1050 E-WB6	1	2/1	01/27/12 9:45	66796-2 week rush -- Amber Liter
13	AY53674	AY53674W08			0.025	1 equip	1050 E-WB6	1	2/1	01/27/12 9:45	66796-2 week rush -- Amber Liter
14	AY53675	AY53675W06			0.025	1 equip	1050 E-WB6	1	2/1	01/27/12 9:45	66796-2 week rush -- Amber Liter

DRA 1/30/12

Solvent and Lot#	
MC	EMD 51257
Na2SO4	2351C512
10N NaOH	11/28/11
1+1 Acid	12/02/11
A. Na2SO4	12/06/11

Extraction COC Transfer	
Extraction lab employee Initials	DRA
GC analyst's initials	LF
Date	1/30/12
Time	1700
Refrigerator	Hobart

	Technician's Initials
Scanned By	DL
Sample Preparation	DL
Extraction	DL/ GH
Concentration	KY

Modified	01/27/12 9:30:55 AM

Reviewed By: DRA **Date** 01/30/12

Injection Log

Directory: M:\LINUS\DATA\L111027\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1027L001.D	1	SVTUNE 10-27-11		27 Oct 11 18:29
2	3	1027L003.D	1	0.1ug/ml PAH 10-27-11		27 Oct 11 19:12
3	4	1027L004.D	1	0.2ug/ml PAH		27 Oct 11 19:38
4	1	1028L001.D	1	SVTUNE 10-27-11		28 Oct 11 9:32
5	5	1028L005.D	1	0.5ug/ml PAH		28 Oct 11 11:07
6	6	1028L006.D	1	1.0ug/ml PAH		28 Oct 11 11:32
7	7	1028L007.D	1	5.0ug/ml PAH		28 Oct 11 11:58
8	8	1028L008.D	1	10ug/ml PAH		28 Oct 11 12:23
9	9	1028L009.D	1	50ug/ml PAH		28 Oct 11 12:49
10	10	1028L010.D	1	100ug/ml PAH		28 Oct 11 13:14
11	11	1028L011.D	1	5.0ug/ml SS PAH 10-27-11		28 Oct 11 13:40
12	1	0130L001.D	1	SVTUNE 10-27-11		30 Jan 12 18:18
13	2	0130L002.D	1	5.0ug/ml PAH 10-27-11		30 Jan 12 18:36
14	3	0130L003.D	1	120127A BLK 1/1000		30 Jan 12 19:01
15	4	0130L004.D	1	120127A LCS-1 1/1000		30 Jan 12 19:27
16	9	0130L009.D	1	AY53666W06 1/1000		30 Jan 12 21:34
17	10	0130L010.D	0.9901	AY53667W06 1/1010		30 Jan 12 21:59
18	11	0130L011.D	0.95238	AY53668W04 1/1050		30 Jan 12 22:24

EPA METHOD 8260B
Volatile Organic Compounds

APPL, INC.

EPA METHOD 8260B
Volatile Organic Compounds
QC Summary

APPL, INC.

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120127W-53807 - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/27/12	01/27/12
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/27/12	01/27/12
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/27/12	01/27/12
BLANK	1,2,4-TRICHLOROBENZENE	0.28 J	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	01/27/12	01/27/12
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
BLANK	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
BLANK	1,3-DICHLOROBENZENE	0.12 J	1.0	0.22	0.11	ug/L	01/27/12	01/27/12
BLANK	1,3-DICHLOROPROPENE, TOTA	0.36 U	1.0	0.36	0.18	ug/L	01/27/12	01/27/12
BLANK	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/27/12	01/27/12
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/27/12	01/27/12
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/27/12	01/27/12
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/27/12	01/27/12
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/27/12	01/27/12
BLANK	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/27/12	01/27/12
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/27/12	01/27/12
BLANK	HEXACHLOROBUTADIENE	0.26 J	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/27/12	01/27/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0127C09
Instrument: Chico
Sequence: C120125
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:37:21 AM

Method Blank
EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120127W-53807 - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	01/27/12	01/27/12
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/27/12	01/27/12
BLANK	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/27/12	01/27/12
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	SURROGATE: 1,2-DICHLOROET	106	70-120			%	01/27/12	01/27/12
BLANK	SURROGATE: 4-BROMOFLUOR	99.1	75-120			%	01/27/12	01/27/12
BLANK	SURROGATE: DIBROMOFLUOR	102	85-115			%	01/27/12	01/27/12
BLANK	SURROGATE: TOLUENE-D8 (S)	103	85-120			%	01/27/12	01/27/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0127C09
Instrument: Chico
Sequence: C120125
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:37:21 AM

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120131W-53809 - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/31/12	01/31/12
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/31/12	01/31/12
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/31/12	01/31/12
BLANK	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	01/31/12	01/31/12
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
BLANK	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
BLANK	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	01/31/12	01/31/12
BLANK	1,3-DICHLOROPROPENE, TOTA	0.36 U	1.0	0.36	0.18	ug/L	01/31/12	01/31/12
BLANK	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/31/12	01/31/12
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/31/12	01/31/12
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/31/12	01/31/12
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/31/12	01/31/12
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/31/12	01/31/12
BLANK	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/31/12	01/31/12
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/31/12	01/31/12
BLANK	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/31/12	01/31/12

Quant Method: TALLW.M
Run #: 0131T24
Instrument: Thor
Sequence: T120131
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:37:21 AM

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120131W-53809 - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	01/31/12	01/31/12
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/31/12	01/31/12
BLANK	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/31/12	01/31/12
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	SURROGATE: 1,2-DICHLOROET	96.9	70-120			%	01/31/12	01/31/12
BLANK	SURROGATE: 4-BROMOFLUOR	99.3	75-120			%	01/31/12	01/31/12
BLANK	SURROGATE: DIBROMOFLUOR	98.9	85-115			%	01/31/12	01/31/12
BLANK	SURROGATE: TOLUENE-D8 (S)	100	85-120			%	01/31/12	01/31/12

Quant Method: TALLW.M
Run #: 0131T24
Instrument: Thor
Sequence: T120131
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:37:21 AM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/27/12

Matrix: WATER Instrument: Chico

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)			SURROGATE: 4-BROMOFLUOROBENZENE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
120127AC-LCS	Lab Control Spike	70-120	101		75-120	96.0	
120127AC-BLK	Blank	70-120	106		75-120	99.1	
AY53667	ES058	70-120	104		75-120	98.0	
AY53668	ES059	70-120	99.2		75-120	96.2	

Comments: Batch: #86RHB-120127AC

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/27/12

Matrix: WATER Instrument: Chico

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
120127AC-LCS	Lab Control Spike	85-115	104		85-120	101	
120127AC-BLK	Blank	85-115	102		85-120	103	
AY53667	ES058	85-115	97.1		85-120	102	
AY53668	ES059	85-115	92.4		85-120	102	

Comments: Batch: #86RHB-120127AC

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/31/12

Matrix: WATER Instrument: Thor

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)			SURROGATE: 4-BROMOFLUOROBENZENE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
120131AT-LCS	Lab Control Spike	70-120	99.0		75-120	103	
AY53669	TRIP BLANK	70-120	101		75-120	101	
AY53666	ES057	70-120	99.1		75-120	100	
120131AT-BLK	Blank	70-120	96.9		75-120	99.3	

Comments: Batch: #86RHB-120131AT

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/31/12

Matrix: WATER Instrument: Thor

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
120131AT-LCS	Lab Control Spike	85-115	98.0		85-120	97.8	
AY53669	TRIP BLANK	85-115	102		85-120	100	
AY53666	ES057	85-115	99.9		85-120	103	
120131AT-BLK	Blank	85-115	98.9		85-120	100	

Comments: Batch: #86RHB-120131AT

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120127W-53807 LCS - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
1,1,1,2-TETRACHLOROETHANE	10.00	11.0	110	80-130
1,1,1-TRICHLOROETHANE	10.00	11.1	111	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	10.9	109	65-130
1,1,2-TRICHLOROETHANE	10.00	11.9	119	75-125
1,1-DICHLOROETHANE	10.00	11.6	116	70-135
1,1-DICHLOROETHENE	10.00	10.5	105	70-130
1,2,3-TRICHLOROPROPANE	10.00	8.84	88.4	75-125
1,2,4-TRICHLOROBENZENE	10.00	11.7	117	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	10.4	104	50-130
1,2-DIBROMOETHANE	10.00	10.3	103	70-130
1,2-DICHLOROBENZENE	10.00	10.6	106	70-120
1,2-DICHLOROETHANE	10.00	10.6	106	70-130
1,2-DICHLOROPROPANE	10.00	11.1	111	75-125
1,3-DICHLOROBENZENE	10.00	11.0	110	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	21.5	108	70-130
1,4-DICHLOROBENZENE	10.00	10.7	107	75-125
2-BUTANONE	10.00	9.46	94.6	30-150
4-METHYL-2-PENTANONE	10.00	9.44	94.4	60-135
ACETONE	10.00	10.7	107	40-140
BENZENE	10.00	11.1	111	80-120
BROMODICHLOROMETHANE	10.00	11.4	114	75-120
BROMOFORM	10.00	9.00	90.0	70-130
BROMOMETHANE	10.00	10.7	107	30-145
CARBON TETRACHLORIDE	10.00	10.4	104	65-140
CHLOROBENZENE	10.00	11.0	110	80-120
CHLORODIBROMOMETHANE	10.00	10.8	108	60-135

Comments: _____

Primary	SPK
Quant Method :	CALLW.M
Extraction Date :	01/27/12
Analysis Date :	01/27/12
Instrument :	Chico
Run :	0127C03
Initials :	SV

Printed: 02/09/12 11:38:28 AM

APPL Standard LCS

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120127W-53807 LCS - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
CHLOROETHANE	10.00	10.9	109	60-135
CHLOROFORM	10.00	11.5	115	65-135
CHLOROMETHANE	10.00	8.70	87.0	40-125
CIS-1,2-DICHLOROETHENE	10.00	10.6	106	70-125
ETHYLBENZENE	10.00	11.0	110	75-125
GASOLINE	300	337	112	75-125
HEXACHLOROBUTADIENE	10.00	11.1	111	50-140
METHYL TERT-BUTYL ETHER	10.00	9.95	99.5	65-125
METHYLENE CHLORIDE	10.00	11.0	110	55-140
STYRENE	10.00	11.2	112	65-135
TETRACHLOROETHENE	10.00	11.6	116	45-150
TOLUENE	10.00	11.6	116	75-120
TRANS-1,2-DICHLOROETHENE	10.00	11.7	117	60-140
TRICHLOROETHENE	10.00	11.7	117	70-125
VINYL CHLORIDE	10.00	11.7	117	50-145
XYLENES (TOTAL)	30.0	34.2	114	80-120
SURROGATE: 1,2-DICHLOROETHANE-	22.9	23.2	101	70-120
SURROGATE: 4-BROMOFLUOROBENZ	26.8	25.7	96.0	75-120
SURROGATE: DIBROMOFLUOROMETH	24.1	25.2	104	85-115
SURROGATE: TOLUENE-D8 (S)	24.8	25.1	101	85-120

Comments: _____

Primary	SPK
Quant Method :	CALLW.M
Extraction Date :	01/27/12
Analysis Date :	01/27/12
Instrument :	Chico
Run :	0127C03
Initials :	SV

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APPL Standard LCS

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120131W-53809 LCS - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
1,1,1,2-TETRACHLOROETHANE	10.00	10.0	100	80-130
1,1,1-TRICHLOROETHANE	10.00	9.94	99.4	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	10.1	101	65-130
1,1,2-TRICHLOROETHANE	10.00	10.1	101	75-125
1,1-DICHLOROETHANE	10.00	9.88	98.8	70-135
1,1-DICHLOROETHENE	10.00	10.2	102	70-130
1,2,3-TRICHLOROPROPANE	10.00	9.69	96.9	75-125
1,2,4-TRICHLOROBENZENE	10.00	9.71	97.1	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	8.48	84.8	50-130
1,2-DIBROMOETHANE	10.00	9.83	98.3	70-130
1,2-DICHLOROBENZENE	10.00	9.58	95.8	70-120
1,2-DICHLOROETHANE	10.00	9.93	99.3	70-130
1,2-DICHLOROPROPANE	10.00	9.88	98.8	75-125
1,3-DICHLOROBENZENE	10.00	9.62	96.2	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	20.0	100	70-130
1,4-DICHLOROBENZENE	10.00	9.55	95.5	75-125
2-BUTANONE	10.00	11.1	111	30-150
4-METHYL-2-PENTANONE	10.00	10.2	102	60-135
ACETONE	10.00	11.7	117	40-140
BENZENE	10.00	9.84	98.4	80-120
BROMODICHLOROMETHANE	10.00	9.88	98.8	75-120
BROMOFORM	10.00	10.5	105	70-130
BROMOMETHANE	10.00	8.46	84.6	30-145
CARBON TETRACHLORIDE	10.00	10.3	103	65-140
CHLOROBENZENE	10.00	9.84	98.4	80-120
CHLORODIBROMOMETHANE	10.00	9.84	98.4	60-135

Comments: _____

Primary	SPK
Quant Method :	TALLW.M
Extraction Date :	01/31/12
Analysis Date :	01/31/12
Instrument :	Thor
Run :	0131T17
Initials :	SV

Printed: 02/09/12 11:38:28 AM

APPL Standard LCS

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120131W-53809 LCS - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
CHLOROETHANE	10.00	10.1	101	60-135
CHLOROFORM	10.00	9.81	98.1	65-135
CHLOROMETHANE	10.00	9.62	96.2	40-125
CIS-1,2-DICHLOROETHENE	10.00	10.2	102	70-125
ETHYLBENZENE	10.00	9.97	99.7	75-125
GASOLINE	300	337	112	75-125
HEXACHLOROBUTADIENE	10.00	9.58	95.8	50-140
METHYL TERT-BUTYL ETHER	10.00	10.0	100	65-125
METHYLENE CHLORIDE	10.00	10.1	101	55-140
STYRENE	10.00	10.1	101	65-135
TETRACHLOROETHENE	10.00	10.0	100	45-150
TOLUENE	10.00	9.99	99.9	75-120
TRANS-1,2-DICHLOROETHENE	10.00	9.84	98.4	60-140
TRICHLOROETHENE	10.00	9.99	99.9	70-125
VINYL CHLORIDE	10.00	9.83	98.3	50-145
XYLENES (TOTAL)	30.0	30.3	101	80-120
SURROGATE: 1,2-DICHLOROETHANE-	30.9	30.6	99.0	70-120
SURROGATE: 4-BROMOFLUOROBENZ	33.2	34.0	103	75-120
SURROGATE: DIBROMOFLUOROMETH	32.7	32.0	98.0	85-115
SURROGATE: TOLUENE-D8 (S)	33.9	33.2	97.8	85-120

Comments:

Primary	SPK
Quant Method :	TALLW.M
Extraction Date :	01/31/12
Analysis Date :	01/31/12
Instrument :	Thor
Run :	0131T17
Initials :	SV

Printed: 02/09/12 11:38:28 AM

APPL Standard LCS

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/27/12

Matrix: WATER Instrument: Chico

Blank ID: 120127AC-BLK Time Analyzed: 1501

APPL ID.	Client Sample No.	File ID.	Date Analyzed
120127AC-LCS	Lab Control Spike	0127C03	01/27/12 1118
120127AC-BLK	Blank	0127C09	01/27/12 1501
AY53667	ES058	0127C13	01/27/12 1730
AY53668	ES059	0127C14	01/27/12 1807

Comments: Batch: #86RHB-120127AC

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 66795

Case No: 66795 Date Analyzed: 01/31/12

Matrix: WATER Instrument: Thor

Blank ID: 120131AT-BLK Time Analyzed: 2100

APPL ID.	Client Sample No.	File ID.	Date Analyzed
120131AT-LCS	Lab Control Spike	0131T17	01/31/12 1746
AY53669	TRIP BLANK	0131T22	01/31/12 2005
AY53666	ES057	0131T23	01/31/12 2032
120131AT-BLK	Blank	0131T24	01/31/12 2100

Comments: Batch: #86RHB-120131AT

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 66795
Matrix: Water
ID: 25ug/mL BFB Std. 01-12-12

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Time Analyzed: 9:32

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		10ug/L Vol Std 01-27	0127C02W.D	01/27/12 10:41
2	Lab Control Spike	120127A LCS-1WC	0127C03W.D	01/27/12 11:18
3	Blank	120127A BLK-1WC	0127C09W.D	01/27/12 15:01
4	ES058	AY53667W01	0127C13W.D	01/27/12 17:30
5	ES059	AY53668W01	0127C14W.D	01/27/12 18:07
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	17.4
75	30 - 60% of mass 95	44.7
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	6.7
173	0 - 2% of mass 174	0.0
174	50 - 100% of mass 95	92.9
175	5 - 9% of mass 174	7.3
176	95 - 101% of mass 174	99.4
177	5 - 9% of mass 176	6.5

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 66795
Matrix: Water
ID: 5ng- BFB STD 1-12-12

SDG No: 66795
Date Analyzed: 01/31/12
Instrument: Thor
Time Analyzed: 10:01

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Lab Control Spike	120131A LCS-1WT	0131T17W.D	01/31/12 17:46
2	TRIP BLANK	AY53669W02	0131T22W.D	01/31/12 20:05
3	ES057	AY53666W02	0131T23W.D	01/31/12 20:32
4	Blank	120131A BLK-1WT	0131T24W.D	01/31/12 21:00
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	18.3
75	30 - 60% of mass 95	49.2
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	7.4
173	0 - 2% of mass 174	1.0
174	50 - 100% of mass 95	90.4
175	5 - 9% of mass 174	7.4
176	95 - 101% of mass 174	99.5
177	5 - 9% of mass 176	6.5

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 66795
Matrix: Water
ID: 25ug/mL BFB Std. 01-12-12

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Time Analyzed: 9:32

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		CCV gas 300ug/L	0127C05W.D	01/27/12 12:32
2	Lab Control Spike	LCS gas 300ug/L	0127C06W.D	01/27/12 13:10
3	Blank	120127A BLK-1WC	0127C09W.D	01/27/12 15:01
4	TRIP BLANK	AY53669W01	0127C10W.D	01/27/12 15:38
5	ES057	AY53666W01	0127C12W.D	01/27/12 16:53
6	ES058	AY53667W01	0127C13W.D	01/27/12 17:30
7	ES059	AY53668W01	0127C14W.D	01/27/12 18:07
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	17.4
75	30 - 60% of mass 95	44.7
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	6.7
173	0 - 2% of mass 174	0.0
174	50 - 100% of mass 95	92.9
175	5 - 9% of mass 174	7.3
176	95 - 101% of mass 174	99.4
177	5 - 9% of mass 176	6.5

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: _____ SDG No.: 66795

Lab File ID (Standard): 0125C11W.D Date Analyzed: 01/25/12

Instrument ID: Chico Time Analyzed: 19:44

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

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	572455	12.77	460544	17.96	244544	22.16
	UPPER LIMIT	1144910	13.27	921088	18.46	489088	22.66
	LOWER LIMIT	286228	12.27	230272	17.46	122272	21.66
	SAMPLE NO.						
01	10ug/L Vol Std 01-27-12	578666	12.78	469312	17.98	257152	22.17
02	120127A LCS-1WC	593908	12.78	495744	17.98	259520	22.17
03	120127A BLK-1WC	575259	12.79	477248	17.98	253632	22.18
04	AY53667W01	512570	12.79	422272	17.97	227392	22.18
05	AY53668W01	538766	12.78	432000	17.98	229888	22.18
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: _____ SDG No.: 66795

Lab File ID (Standard): 0131T08W.D Date Analyzed: 01/31/12

Instrument ID: Thor Time Analyzed: 13:37

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

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	702464	6.75	558464	9.89	303936	12.22
	UPPER LIMIT	1404928	7.25	1116928	10.39	607872	12.72
	LOWER LIMIT	351232	6.25	279232	9.39	151968	11.72
	SAMPLE NO.						
01	120131A LCS-1WT (SS)	721472	6.75	577472	9.89	323520	12.22
02	AY53669W02	683008	6.75	546368	9.89	275648	12.22
03	AY53666W02	697024	6.75	541568	9.89	275008	12.22
04	120131A BLK-1WT	683584	6.74	544384	9.89	266368	12.22
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: SDG No.: 66795

Lab File ID (Standard): 0127C05W.D Date Analyzed: 01/27/12

Instrument ID: Chico Time Analyzed: 12:32

GC Column: ID: Heated Purge: (Y/N)

		Fluorobenzene (IS)		Chlorobenzene-D5 (IS)		1,4-Dichlorobenzene-D (IS)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1173650	12.79	1400160	17.98	1488880	22.18
	UPPER LIMIT	2347300	13.29	2800320	18.48	2977760	22.68
	LOWER LIMIT	586825	12.29	700080	17.48	744440	21.68
	SAMPLE NO.						
01	CCV gas 300ug/L	1173650	12.79	1400160	17.98	1488880	22.18
02	LCS gas 300ug/L	1198130	12.79	1400450	17.98	1498630	22.18
03	120127A BLK-1WC	1109840	12.79	1312810	17.98	1350220	22.18
04	AY53669W01	1080800	12.79	1268750	17.98	1286000	22.18
05	AY53666W01	983127	12.79	1162320	17.97	1158210	22.18
06	AY53667W01	995124	12.79	1147970	17.97	1183270	22.17
07	AY53668W01	1041750	12.78	1153410	17.98	1217440	22.18
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of Internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

EPA METHOD 8260B
Volatile Organic Compounds
Sample Data

APPL, INC.

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES057

APPL ID: AY53666

Sample Collection Date: 01/24/12

QCG: #86RHB-120131AT-163745

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/31/12	01/31/12
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/31/12	01/31/12
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/31/12	01/31/12
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	01/31/12	01/31/12
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	01/31/12	01/31/12
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/31/12	01/31/12
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/31/12	01/31/12
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/31/12	01/31/12
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/31/12	01/31/12
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/31/12	01/31/12
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/31/12	01/31/12
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/31/12	01/31/12
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	01/31/12	01/31/12

Quant Method: TALLW.M
Run #: 0131T23
Instrument: Thor
Sequence: T120131
Dilution Factor: 1
Initials: SV

Printed: 02/09/12 11:38:38 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES057

APPL ID: AY53666

Sample Collection Date: 01/24/12

QCG: #86RHB-120131AT-163745

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/31/12	01/31/12
EPA 8260B	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/31/12	01/31/12
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	99.1	70-120			%	01/31/12	01/31/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	100	75-120			%	01/31/12	01/31/12
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	99.9	85-115			%	01/31/12	01/31/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-120			%	01/31/12	01/31/12

Quant Method: TALLW.M
Run #: 0131T23
Instrument: Thor
Sequence: T120131
Dilution Factor: 1
Initials: SV

Printed: 02/09/12 11:38:38 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\THOR\DATA\T120131\0131T23W.D Vial: 23
Acq On : 31 Jan 12 20:32 Operator:
Sample : AY53666W02 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:14 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	697024	25.00000	ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	541568	25.00000	ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	275008	25.00000	ppb	0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	5.96	111	326725	32.63665	ppb	0.00
Spiked Amount 32.661			Recovery = 99.926%			
36) 1,2-DCA-D4(S)	6.35	65	333177	30.63056	ppb	0.00
Spiked Amount 30.896			Recovery = 99.144%			
56) Toluene-D8(S)	8.45	98	1188091	34.79631	ppb	0.00
Spiked Amount 33.937			Recovery = 102.531%			
64) 4-Bromofluorobenzene(S)	11.06	95	427146	33.19878	ppb	0.00
Spiked Amount 33.154			Recovery = 100.136%			
Target Compounds						Qvalue

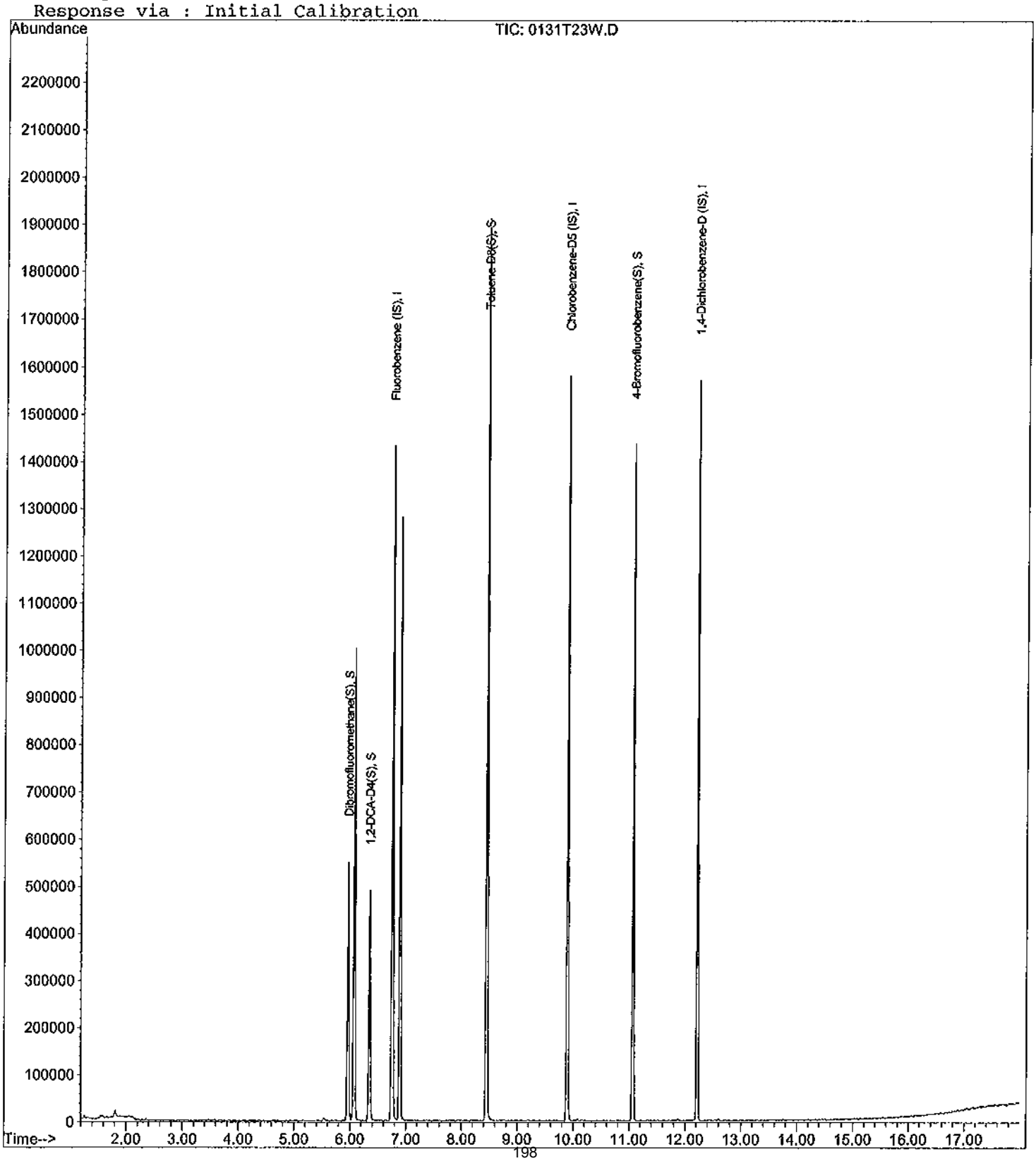
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T23W.D Vial: 23
Acq On : 31 Jan 12 20:32 Operator:
Sample : AY53666W02 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:14 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C12W.D Vial: 1
Acq On : 27 Jan 12 16:53 Operator: RS, ARS
Sample : AY53666W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:56 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	983127	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.97	TIC	1162316	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1158213	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	19073776m	31.12669	ppb	100

No gasoline pattern ##.
DB 2/7/2012

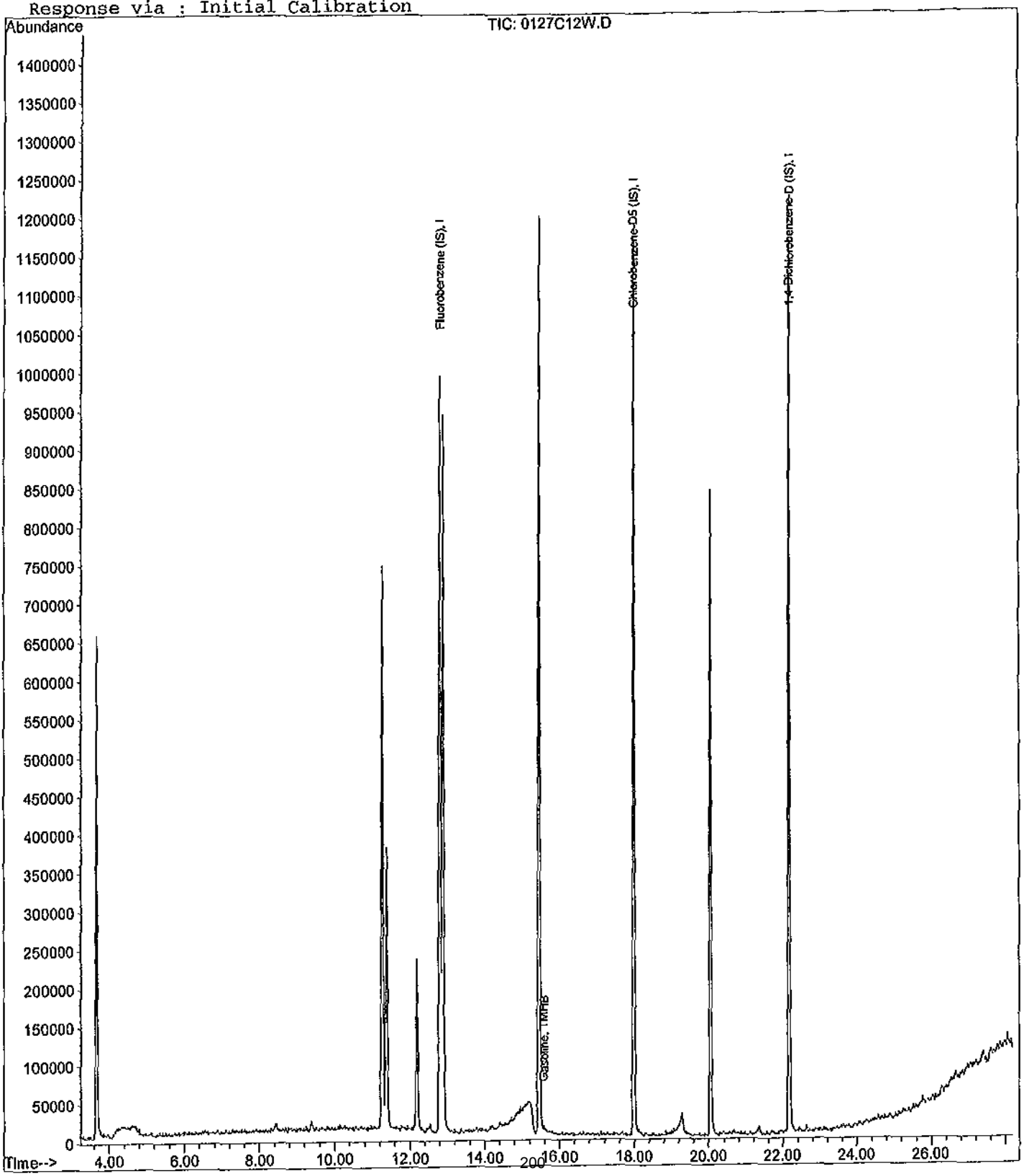
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C12W.D
Acq On : 27 Jan 12 16:53
Sample : AY53666W01
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:56 2012 Quant Results File: CGAS.RES

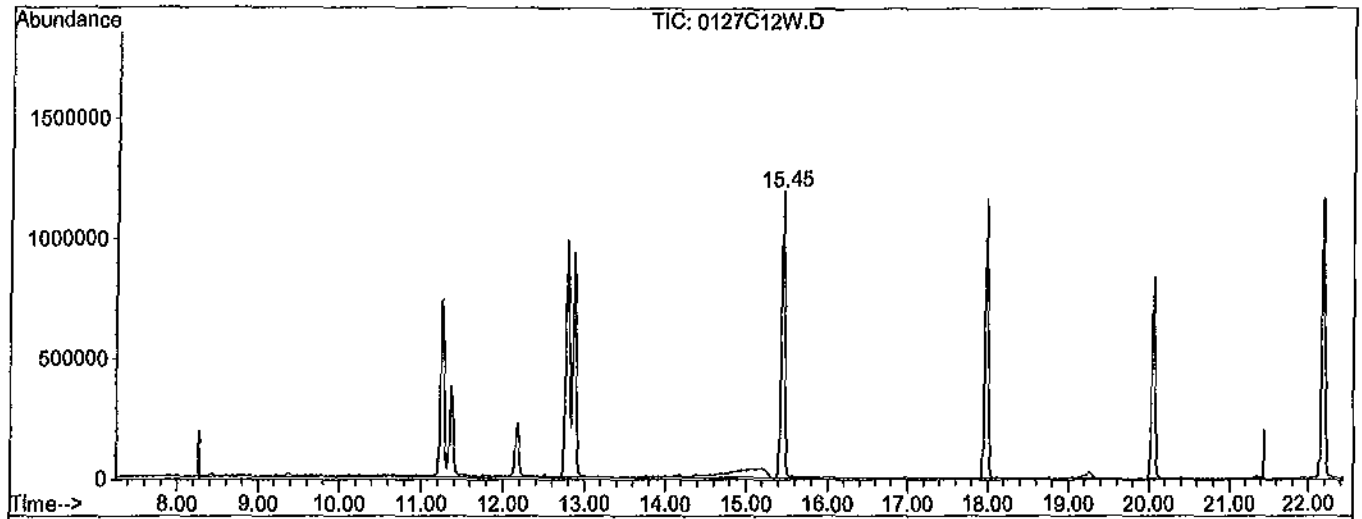
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration

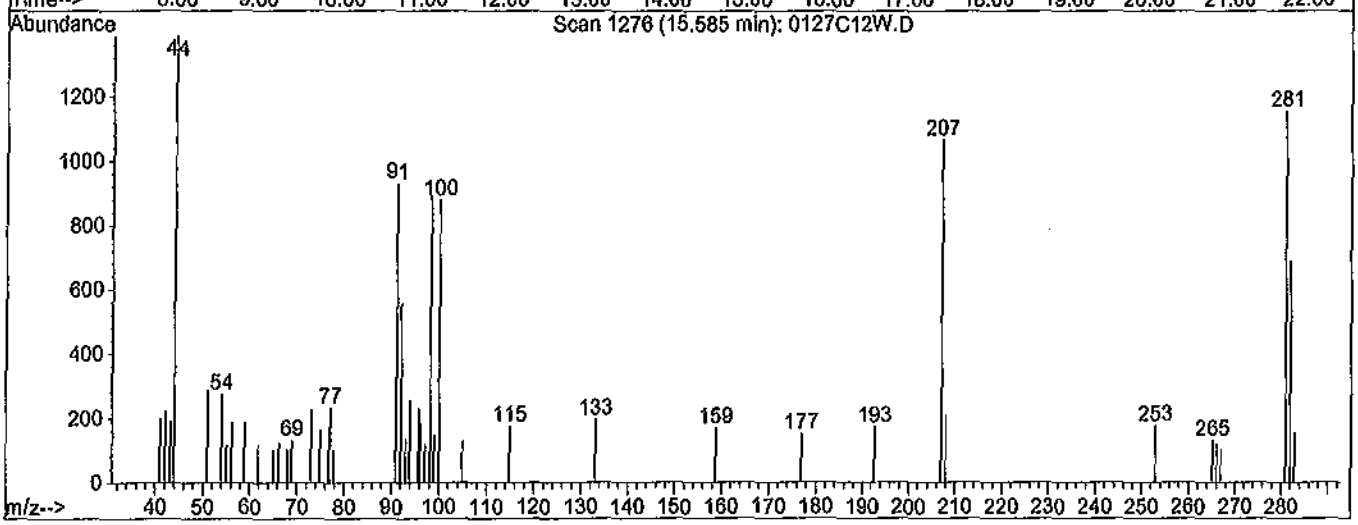


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C12W.D Vial: 1
Acq On : 27 Jan 12 16:53 Operator: RS, ARS
Sample : AY53666W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:56 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration





TIC: 0127C12W.D

(2) Gasoline (TMHB)

15.58min 31.1267ppb m

response 18073776

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.59#
0.00	0.00	1.85#
0.00	0.00	0.00

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen
Project: RED HILL/1022-015
Sample ID: ES058
Sample Collection Date: 01/24/12

ARF: 66795
APPL ID: AY53667
QCG: #86RHB-120127AC-163743

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/27/12	01/27/12
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/27/12	01/27/12
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/27/12	01/27/12
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	01/27/12	01/27/12
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	01/27/12	01/27/12
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/27/12	01/27/12
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/27/12	01/27/12
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/27/12	01/27/12
EPA 8260B	BENZENE	0.70 J	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/27/12	01/27/12
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/27/12	01/27/12
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/27/12	01/27/12
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/27/12	01/27/12
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	01/27/12	01/27/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0127C13
Instrument: Chico
Sequence: C120125
Dilution Factor: 1
Initials: SV

Printed: 02/09/12 11:38:38 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES058

APPL ID: AY53667

Sample Collection Date: 01/24/12

QCG: #86RHB-120127AC-163743

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/27/12	01/27/12
EPA 8260B	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/27/12	01/27/12
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	104	70-120			%	01/27/12	01/27/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	98.0	75-120			%	01/27/12	01/27/12
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	97.1	85-115			%	01/27/12	01/27/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	102	85-120			%	01/27/12	01/27/12

J = Estimated value.

Quant Method:	CALLW.M
Run #:	0127C13
Instrument:	Chico
Sequence:	C120125
Dilution Factor:	1
Initials:	SV

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C13W.D Vial: 1
Acq On : 27 Jan 12 17:30 Operator: RS, ARS
Sample : AY53667W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 31 11:54 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	96	512570	25.00000 ppb	0.02
54) Chlorobenzene-D5 (IS)	17.97	117	422272	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	22.18	152	227392	25.00000 ppb	0.02
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.37	111	319434	23.41065 ppb	0.01
Spiked Amount 24.119			Recovery = 97.064%		
37) 1,2-DCA-D4(S)	12.17	65	233700	23.73882 ppb	0.01
Spiked Amount 22.874			Recovery = 103.781%		
55) Toluene-D8(S)	15.45	98	1342252	25.15321 ppb	0.02
Spiked Amount 24.755			Recovery = 101.607%		
63) 4-Bromofluorobenzene(S)	20.05	95	489629	26.25375 ppb	0.02
Spiked Amount 26.777			Recovery = 98.046%		
Target Compounds					Qvalue
25) Vinyl Acetate	9.38	43	1857	0.84696 ppb	91
41) Benzene	12.45	78	29966	0.70119 ppb	95
95) Naphthalene	25.89	128	3873	0.17025 ppb	98

(#) = qualifier out of range (m) = manual integration

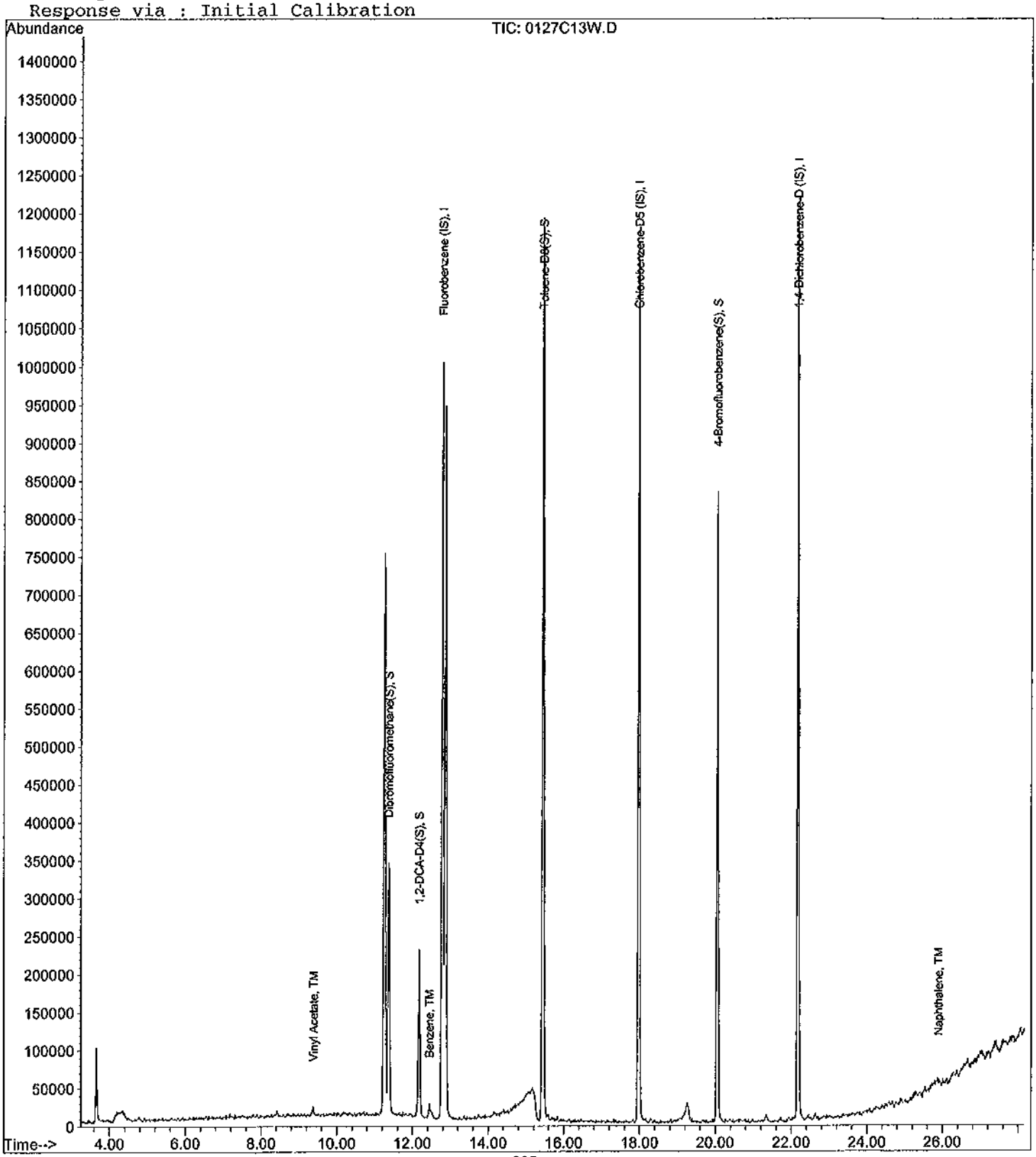
0127C13W.D CALLW.M Thu Feb 09 12:07:16 2012 Page 1

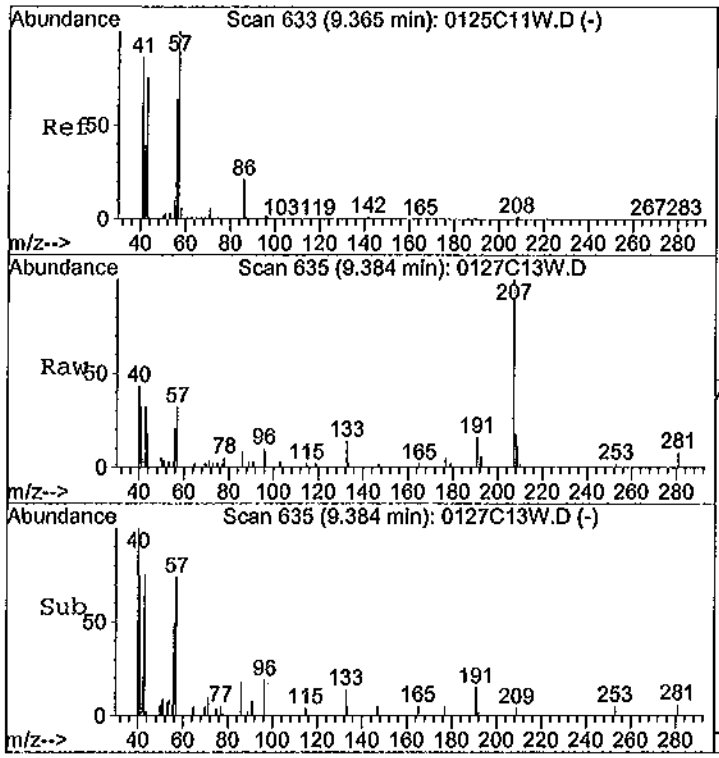
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C13W.D Vial: 1
Acq On : 27 Jan 12 17:30 Operator: RS, ARS
Sample : AY53667W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 31 11:54 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration

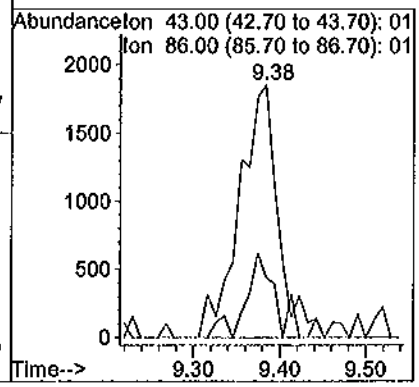


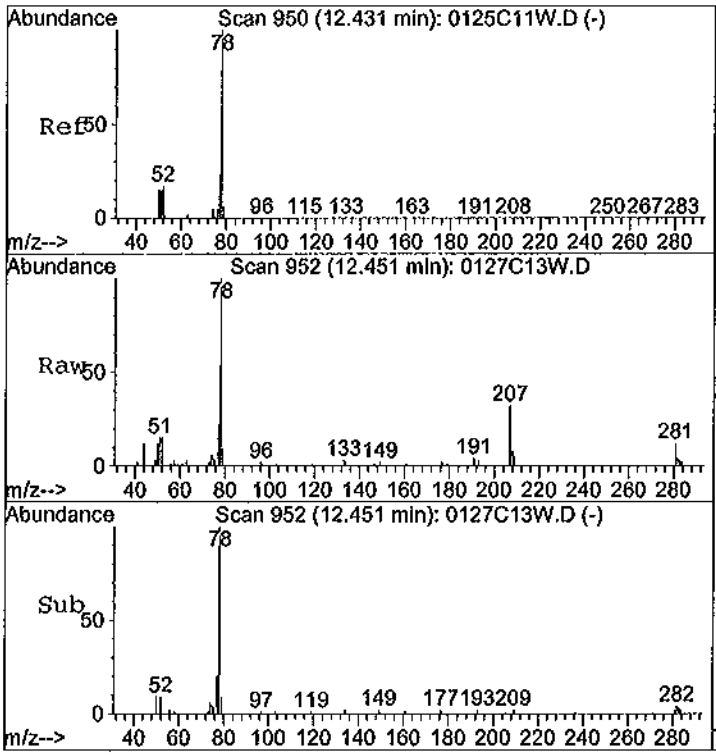


#25
Vinyl Acetate
Concen: 0.84696 ppb
RT: 9.38 min Scan# 635
Delta R.T. 0.02 min
Lab File: 0127C13W.D
Acq: 27 Jan 12 17:30

Tgt Ion: 43 Resp: 1857

Ion	Ratio	Lower	Upper
43	100		
86	24.0	20.0	37.1

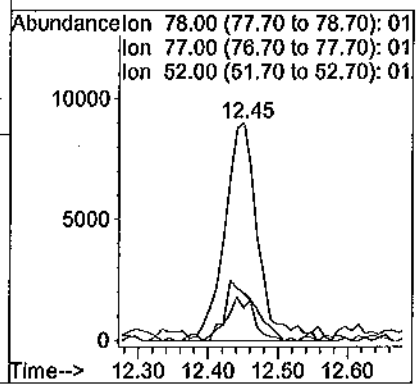


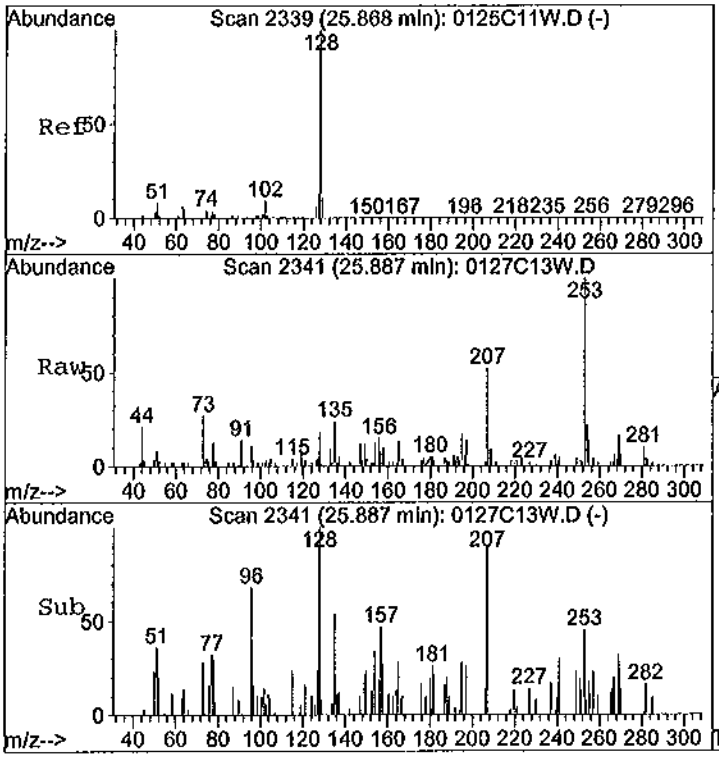


#41
Benzene
Concen: 0.70119 ppb
RT: 12.45 min Scan# 952
Delta R.T. 0.02 min
Lab File: 0127C13W.D
Acq: 27 Jan 12 17:30

Tgt Ion: 78 Resp: 29966

Ion	Ratio	Lower	Upper
78	100		
77	20.1	15.8	29.4
52	14.9	11.9	22.1

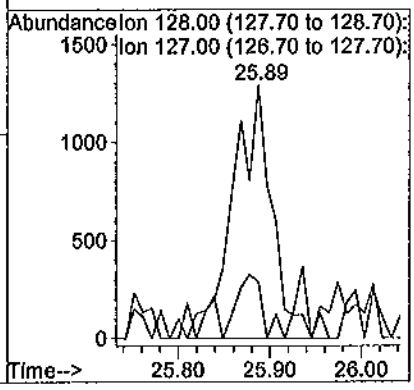




#95
Naphthalene
Concen: 0.17025 ppb
RT: 25.89 min Scan# 2341
Delta R.T. 0.02 min
Lab File: 0127C13W.D
Acq: 27 Jan 12 17:30

Tgt Ion:128 Resp: 3873

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.2	17.0



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C13W.D Vial: 1
Acq On : 27 Jan 12 17:30 Operator: RS, ARS
Sample : AY53667W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:48 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	995124	25.00000 ppb	0.00
3) Chlorobenzene-D5 (IS)	17.97	TIC	1147966	25.00000 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.17	TIC	1183267	25.00000 ppb	0.00

System Monitoring Compounds

Target Compounds					Qvalue
2) Gasoline	15.58	TIC	19121793m	28.99055 ppb	100

no gasoline pattern 2/7/2012

(#) = qualifier out of range (m) = manual integration

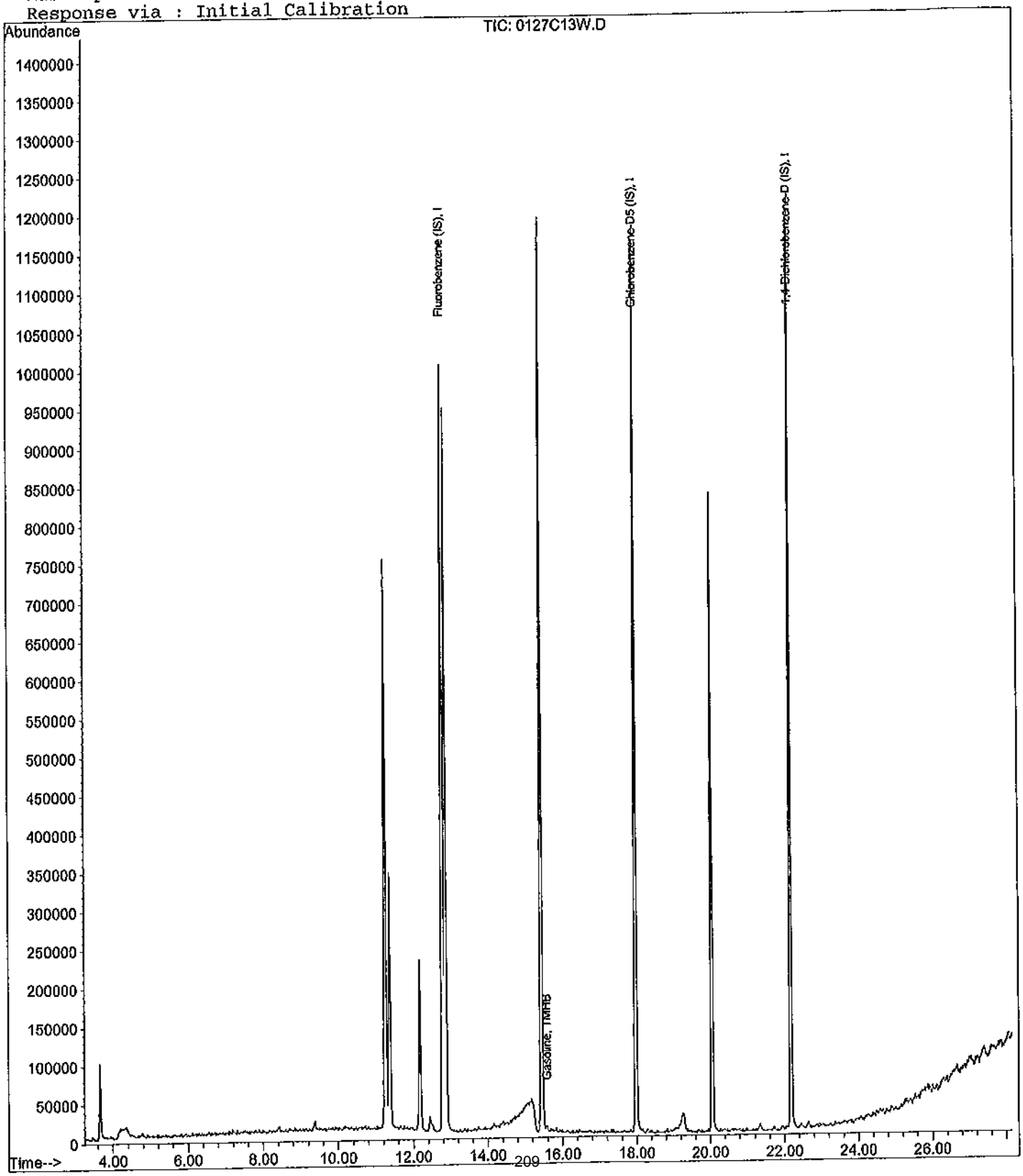
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C13W.D
Acq On : 27 Jan 12 17:30
Sample : AY53667W01
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:48 2012 Quant Results File: CGAS.RES

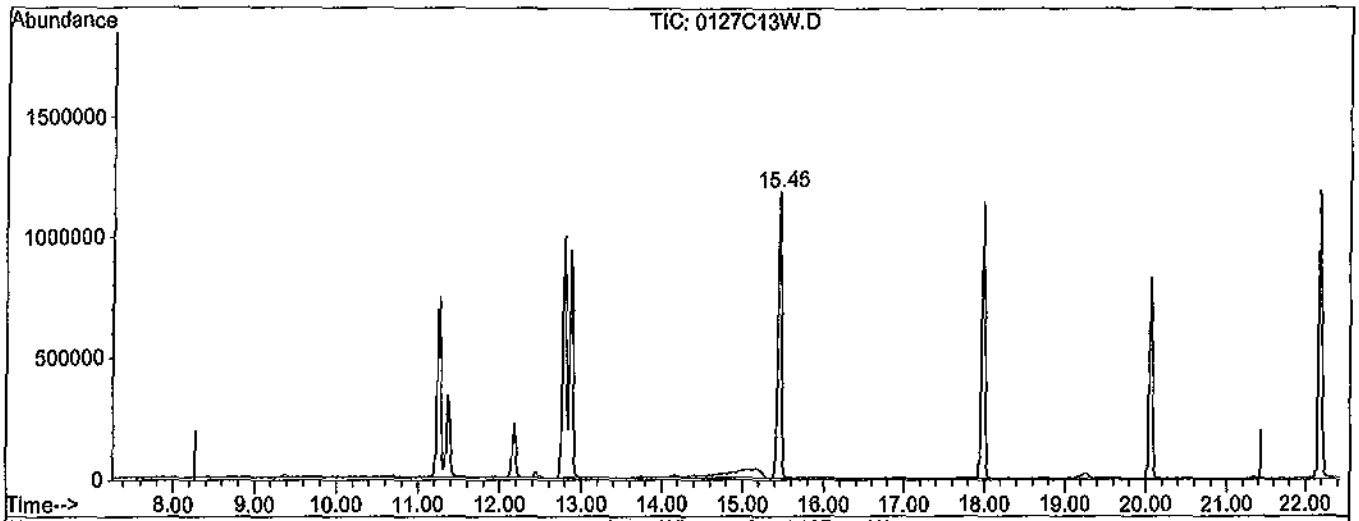
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration

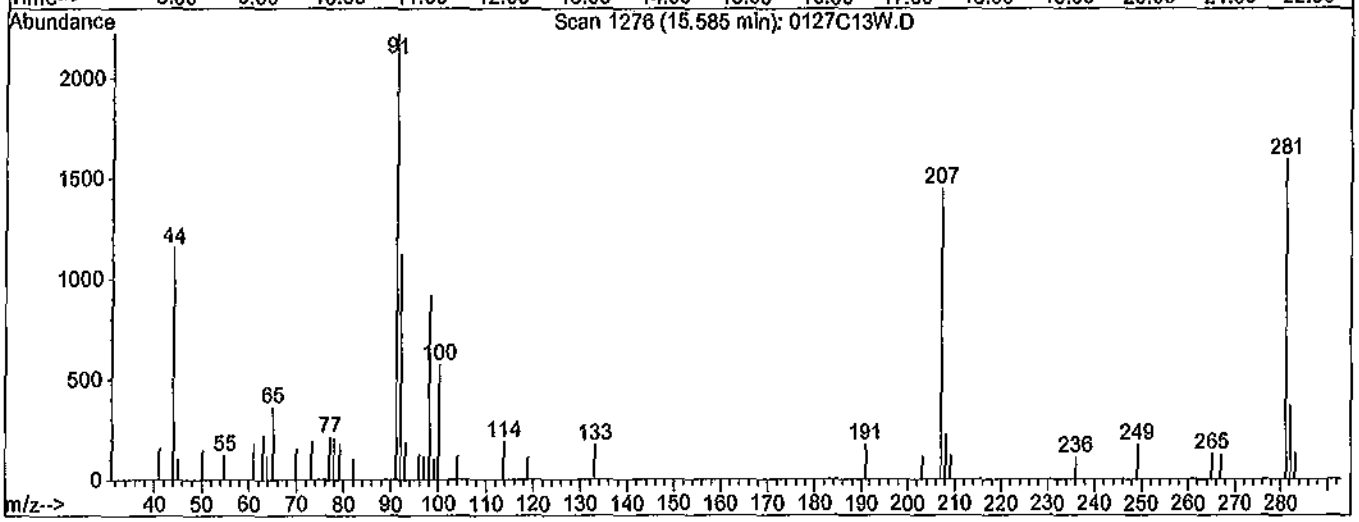


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C13W.D Vial: 1
Acq On : 27 Jan 12 17:30 Operator: RS, ARS
Sample : AY53667W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:48 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration





TIC: 0127C13W.D

(2) Gasoline (TMHB)

15.58min 28.9906ppb m

response 19121793

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.61#
0.00	0.00	1.81#
0.00	0.00	0.00

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES059

APPL ID: AY53668

Sample Collection Date: 01/24/12

QCG: #86RHB-120127AC-163743

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/27/12	01/27/12
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/27/12	01/27/12
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/27/12	01/27/12
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	01/27/12	01/27/12
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	01/27/12	01/27/12
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/27/12	01/27/12
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/27/12	01/27/12
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/27/12	01/27/12
EPA 8260B	BENZENE	0.58 J	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/27/12	01/27/12
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/27/12	01/27/12
EPA 8260B	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/27/12	01/27/12
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/27/12	01/27/12
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/27/12	01/27/12
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	01/27/12	01/27/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0127C14
Instrument: Chico
Sequence: C120125
Dilution Factor: 1
Initials: SV

Printed: 02/09/12 11:38:38 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: ES059

APPL ID: AY53668

Sample Collection Date: 01/24/12

QCG: #86RHB-120127AC-163743

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/27/12	01/27/12
EPA 8260B	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/27/12	01/27/12
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	99.2	70-120			%	01/27/12	01/27/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	96.2	75-120			%	01/27/12	01/27/12
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	92.4	85-115			%	01/27/12	01/27/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	102	85-120			%	01/27/12	01/27/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0127C14
Instrument: Chico
Sequence: C120125
Dilution Factor: 1
Initials: SV

Printed: 02/09/12 11:38:38 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C14W.D Vial: 1
Acq On : 27 Jan 12 18:07 Operator: RS, ARS
Sample : AY53668W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 31 11:58 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.78	96	538766	25.00000	ppb	0.01
54) Chlorobenzene-D5 (IS)	17.98	117	432000	25.00000	ppb	0.01
70) 1,4-Dichlorobenzene-D (IS)	22.18	152	229888	25.00000	ppb	0.01
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.36	111	319804	22.29817	ppb	0.00
Spiked Amount 24.119			Recovery = 92.449%			
37) 1,2-DCA-D4(S)	12.17	65	234873	22.69794	ppb	0.01
Spiked Amount 22.874			Recovery = 99.230%			
55) Toluene-D8(S)	15.44	98	1377143	25.22592	ppb	0.01
Spiked Amount 24.755			Recovery = 101.902%			
63) 4-Bromofluorobenzene(S)	20.05	95	491284	25.74930	ppb	0.01
Spiked Amount 26.777			Recovery = 96.160%			
Target Compounds						Qvalue
25) Vinyl Acetate	9.38	43	1744	0.75125	ppb	87
41) Benzene	12.44	78	26008	0.57898	ppb	98

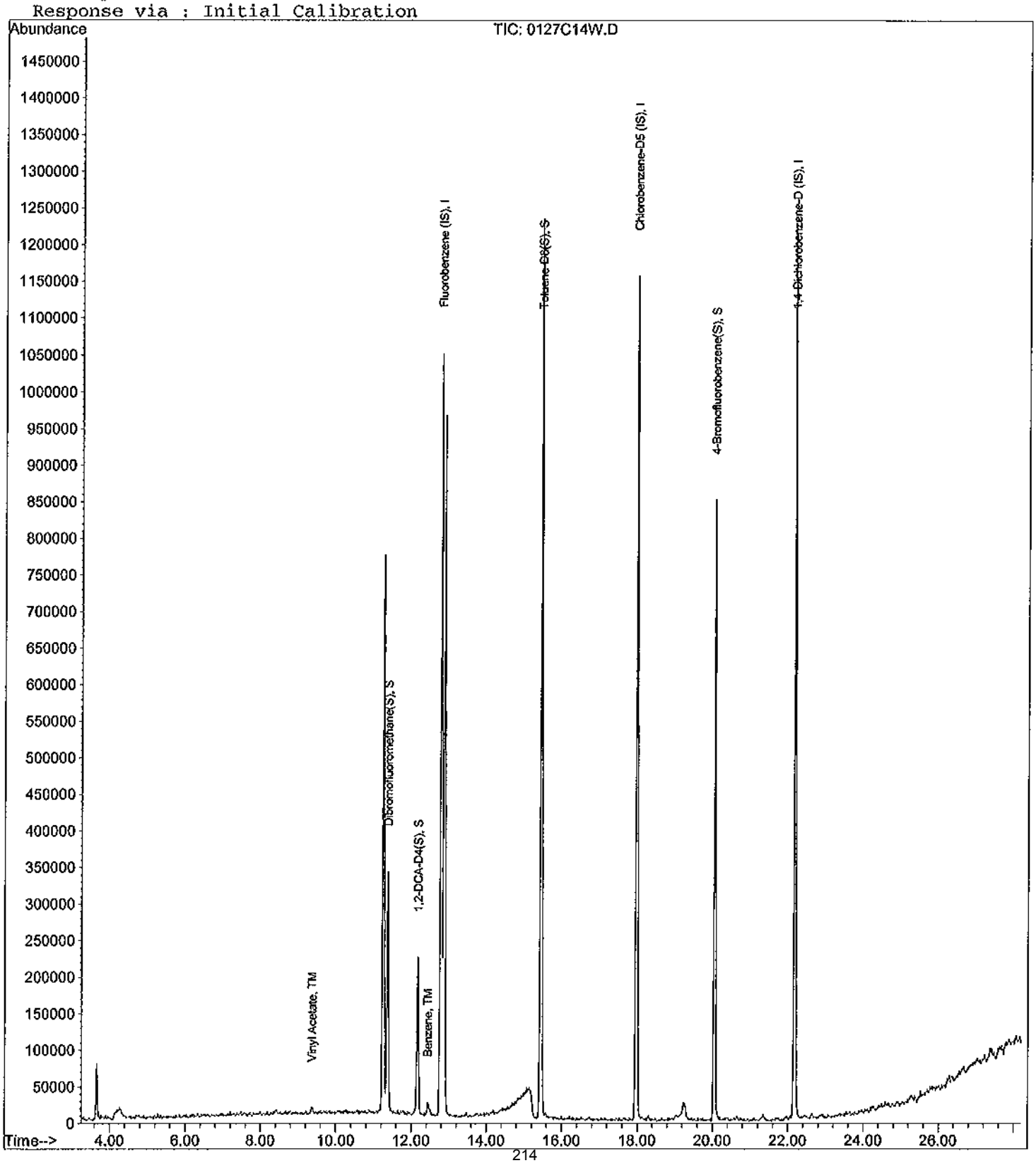
(#) = qualifier out of range (m) = manual integration

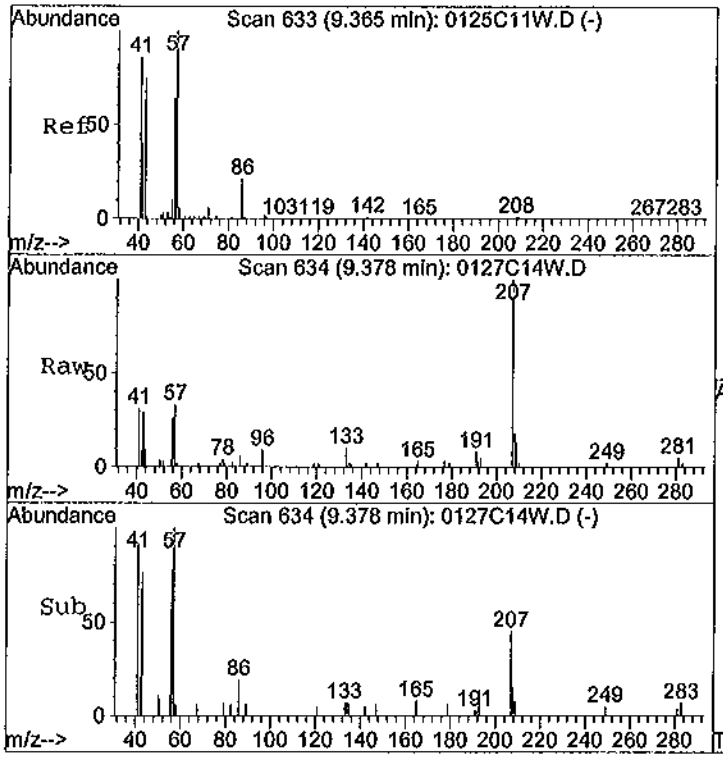
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C14W.D Vial: 1
Acq On : 27 Jan 12 18:07 Operator: RS, ARS
Sample : AY53668W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 31 11:58 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration

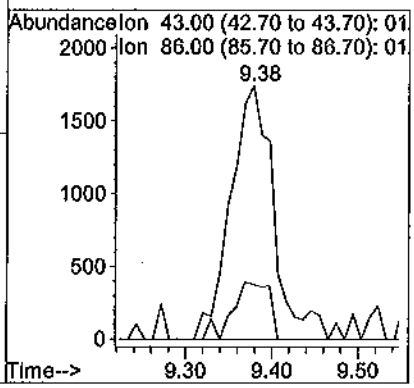


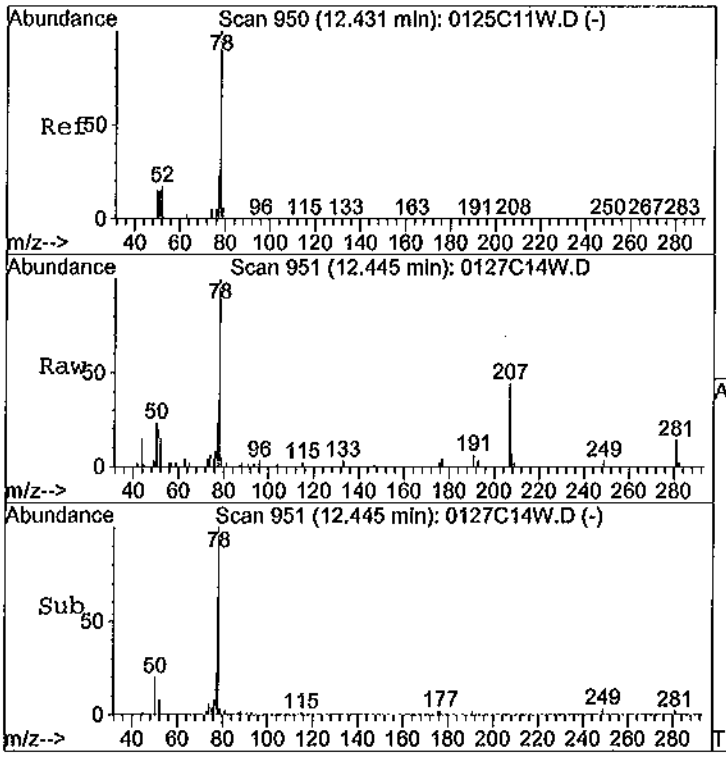


#25
Vinyl Acetate
Concen: 0.75125 ppb
RT: 9.38 min Scan# 634
Delta R.T. 0.01 min
Lab File: 0127C14W.D
Acq: 27 Jan 12 18:07

Tgt Ion: 43 Resp: 1744

Ion	Ratio	Lower	Upper
43	100		
86	21.7	20.0	37.1

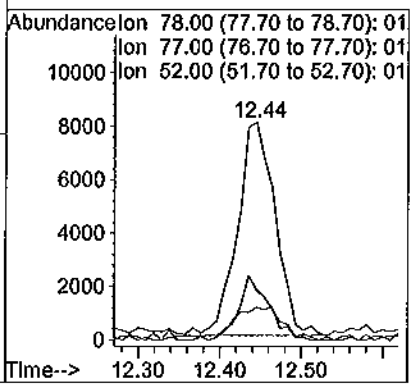




#41
Benzene
Concen: 0.57898 ppb
RT: 12.44 min Scan# 951
Delta R.T. 0.01 min
Lab File: 0127C14W.D
Acq: 27 Jan 12 18:07

Tgt Ion: 78 Resp: 26008

Ion	Ratio	Lower	Upper
78	100		
77	22.0	15.8	29.4
52	15.3	11.9	22.1



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C14W.D Vial: 1
Acq On : 27 Jan 12 18:07 Operator: RS, ARS
Sample : AY53668W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:48 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.78	TIC	1041751	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1153414	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1217444	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	18237075m	9.32205	ppb	100

No gasoline pattern ND.
PB 2/7/2012

(#) = qualifier out of range (m) = manual integration
0127C14W.D CGAS.M Tue Feb 07 09:58:13 2012

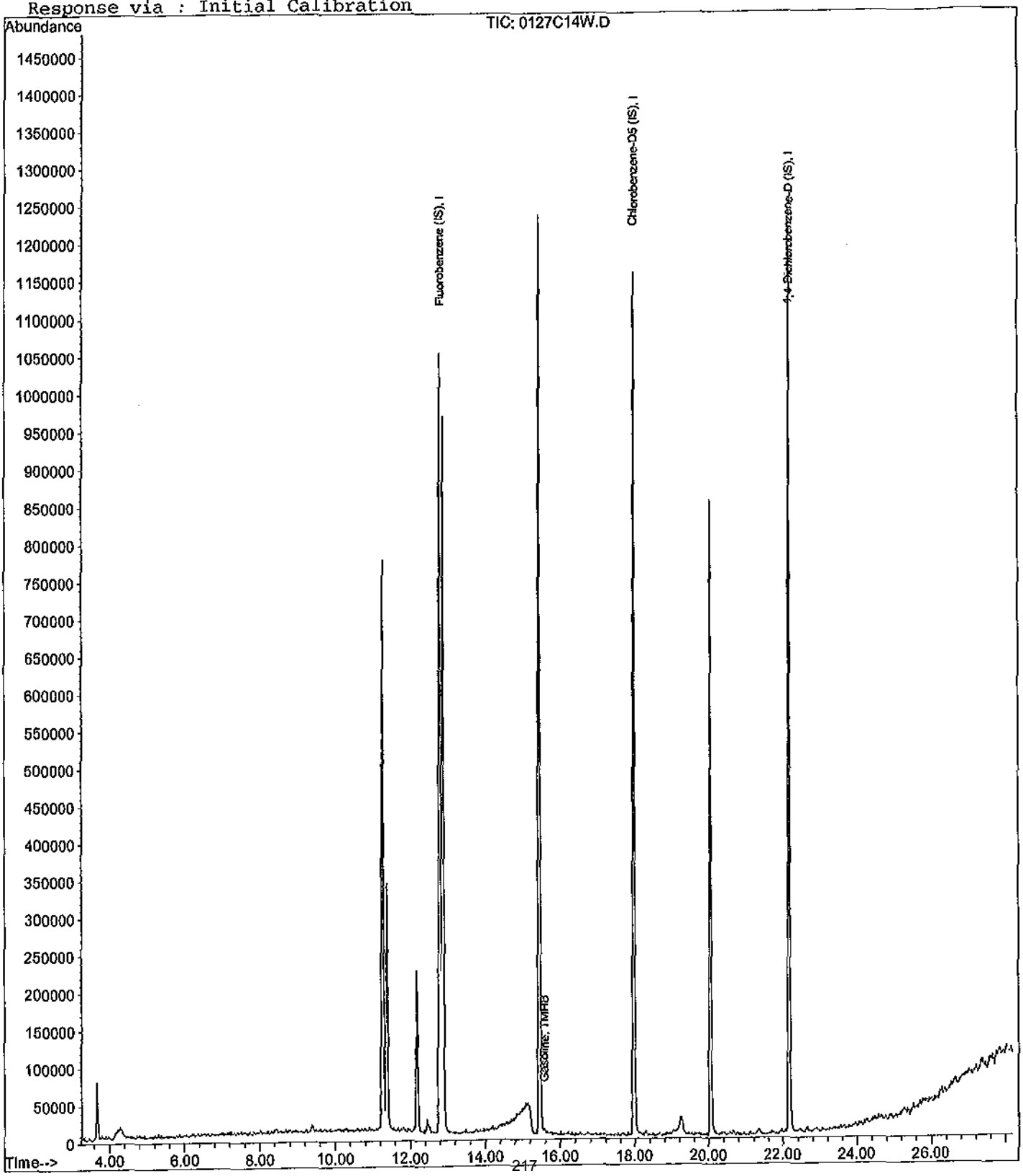
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C14W.D
Acq On : 27 Jan 12 18:07
Sample : AY53668W01
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:48 2012 Quant Results File: CGAS.RES

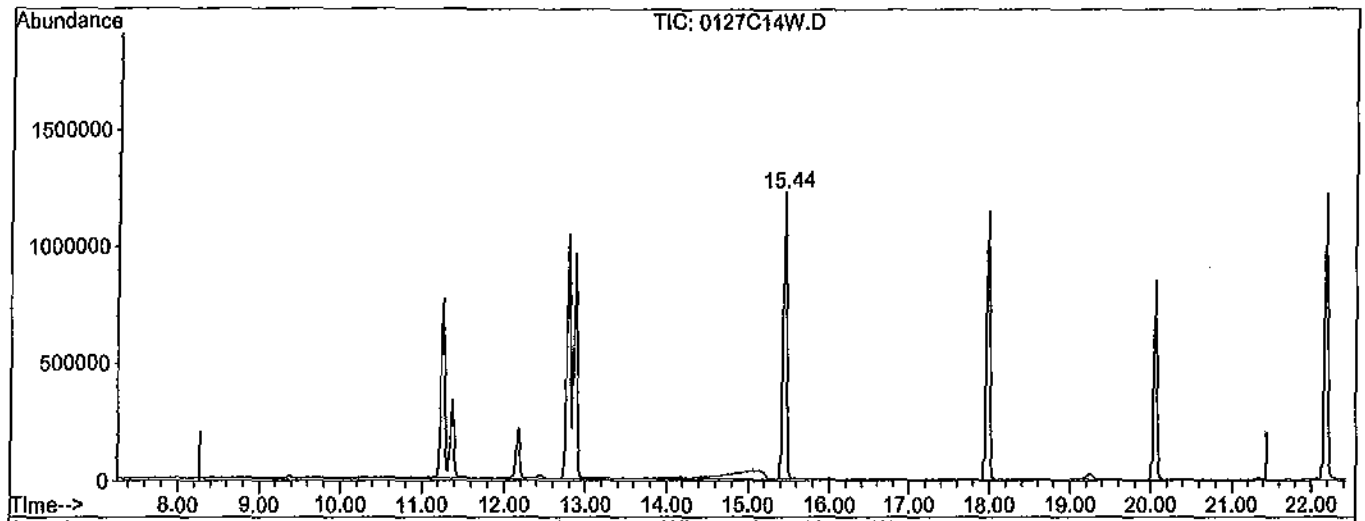
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration

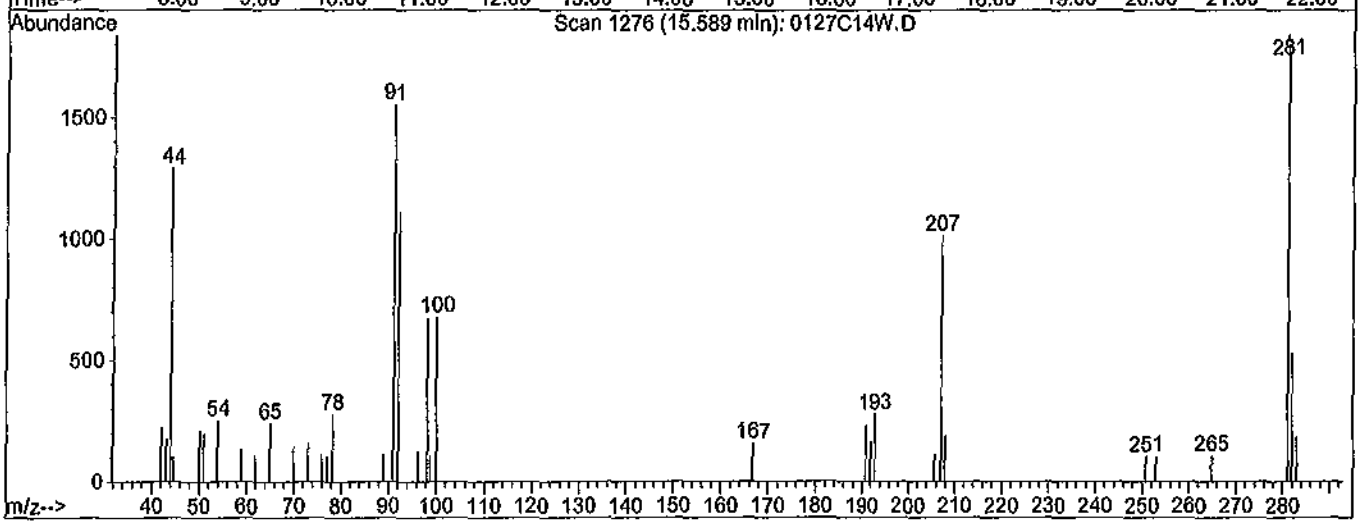


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C14W.D Vial: 1
Acq On : 27 Jan 12 18:07 Operator: RS, ARS
Sample : AY53668W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:48 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration





TIC: 0127C14W.D

(2) Gasoline (TMHB)

15.58min 9.3221ppb m

response 18237075

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.67#
0.00	0.00	1.94#
0.00	0.00	0.00

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen
Project: RED HILL/1022-015
Sample ID: TRIP BLANK
Sample Collection Date: 01/24/12

ARF: 66795
APPL ID: AY53669
QCG: #86RHB-120131AT-163745

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/31/12	01/31/12
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/31/12	01/31/12
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/31/12	01/31/12
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	01/31/12	01/31/12
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	01/31/12	01/31/12
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/31/12	01/31/12
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/31/12	01/31/12
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/31/12	01/31/12
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/31/12	01/31/12
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/31/12	01/31/12
EPA 8260B	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/31/12	01/31/12
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/31/12	01/31/12
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/31/12	01/31/12
EPA 8260B	METHYLENE CHLORIDE	0.69 J	5.0	0.70	0.35	ug/L	01/31/12	01/31/12

J = Estimated value.

Quant Method: TALLW.M
Run #: 0131T22
Instrument: Thor
Sequence: T120131
Dilution Factor: 1
Initials: SV

Printed: 02/09/12 11:38:38 AM
APPL-F1-SC-NoMC-REG MDLs

EPA 8260B VOCs + Gas Water

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Max Solmssen

Project: RED HILL/1022-015

ARF: 66795

Sample ID: TRIP BLANK

APPL ID: AY53669

Sample Collection Date: 01/24/12

QCG: #86RHB-120131AT-163745

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/31/12	01/31/12
EPA 8260B	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/31/12	01/31/12
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	101	70-120			%	01/31/12	01/31/12
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	101	75-120			%	01/31/12	01/31/12
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	102	85-115			%	01/31/12	01/31/12
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	85-120			%	01/31/12	01/31/12

J = Estimated value.

Quant Method: TALLW.M
Run #: 0131T22
Instrument: Thor
Sequence: T120131
Dilution Factor: 1
Initials: SV

Printed: 02/09/12 11:38:38 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\THOR\DATA\T120131\0131T22W.D Vial: 22
Acq On : 31 Jan 12 20:05 Operator:
Sample : AY53669W02 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:12 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	683008	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	546368	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	275648	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	325511	33.18263 ppb	0.00
Spiked Amount 32.661			Recovery = 101.598%		
36) 1,2-DCA-D4(S)	6.35	65	332803	31.22404 ppb	0.00
Spiked Amount 30.896			Recovery = 101.063%		
56) Toluene-D8(S)	8.45	98	1173005	34.05266 ppb	0.00
Spiked Amount 33.937			Recovery = 100.342%		
64) 4-Bromofluorobenzene(S)	11.06	95	432591	33.32660 ppb	0.00
Spiked Amount 33.154			Recovery = 100.522%		
Target Compounds					Qvalue
18) Methylene chloride	3.47	84	5229	0.68038 ppb	87

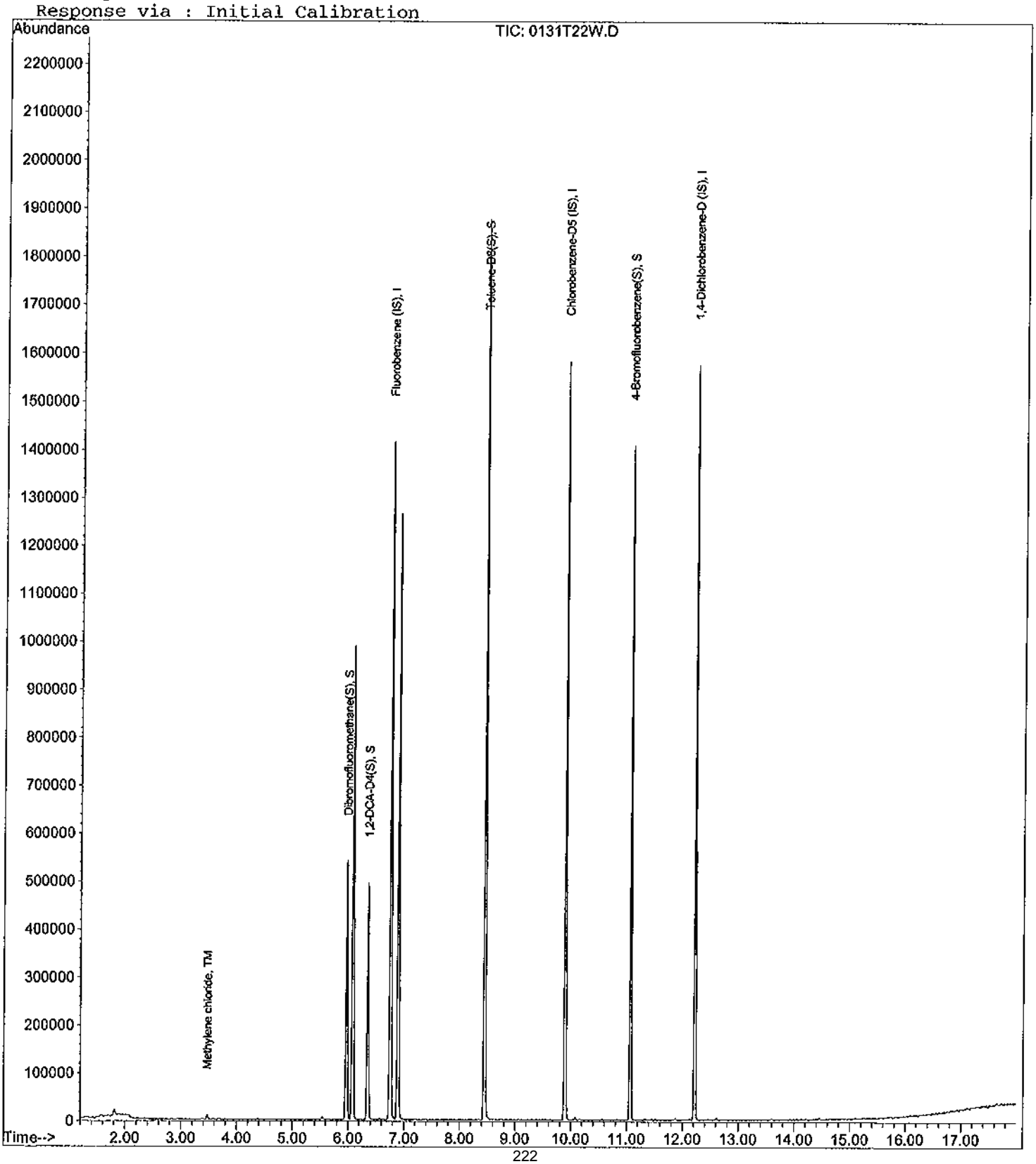
(#) = qualifier out of range (m) = manual integration

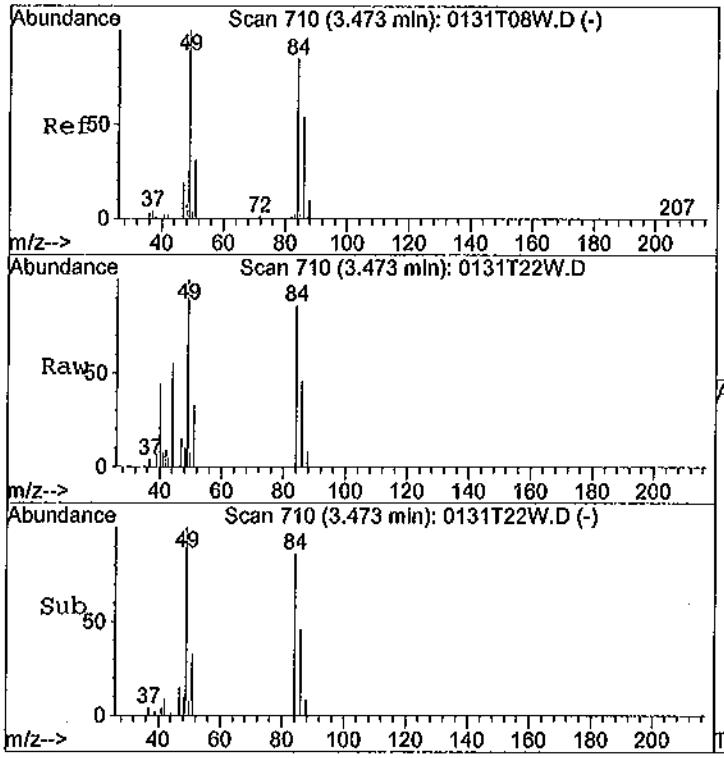
Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T22W.D Vial: 22
Acq On : 31 Jan 12 20:05 Operator:
Sample : AY53669W02 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:12 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration

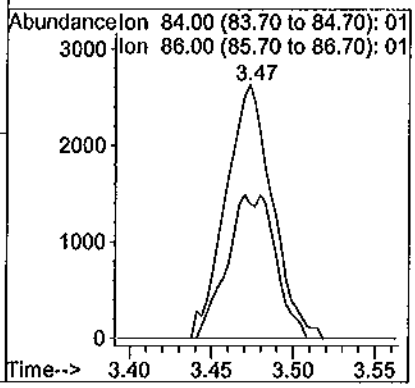




#18
Methylene chloride
Concen: 0.68038 ppb
RT: 3.47 min Scan# 710
Delta R.T. 0.00 min
Lab File: 0131T22W.D
Acq: 31 Jan 12 20:05

Tgt Ion: 84 Resp: 5229

Ion	Ratio	Lower	Upper
84	100		
86	53.5	44.4	82.4



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C10W.D Vial: 1
Acq On : 27 Jan 12 15:38 Operator: RS, ARS
Sample : AY53669W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:48 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1080800	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1268748	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1285997	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	19376906m	14.17930	ppb	100

ND
no gasoline pattern. DRS 2/7/2012

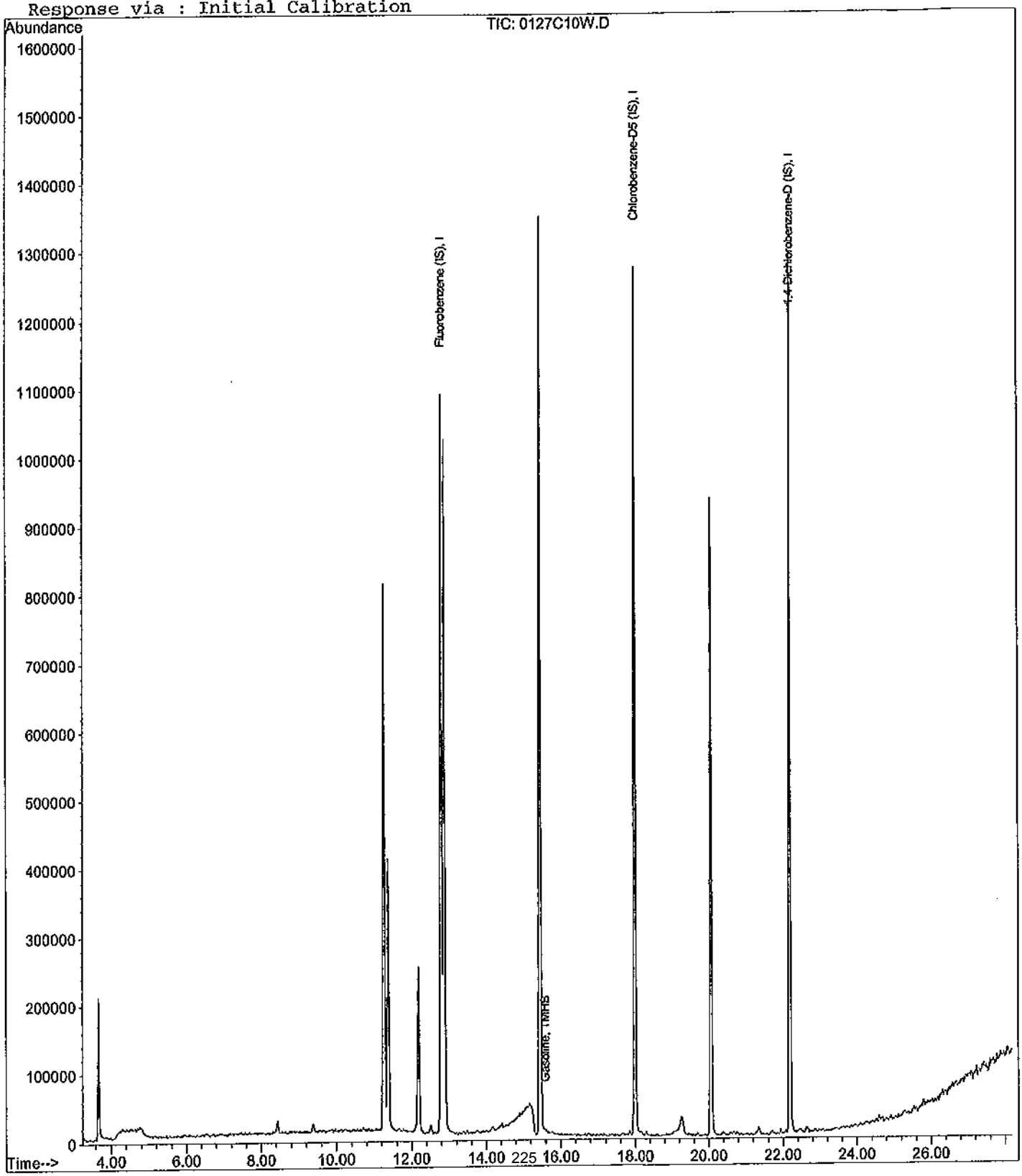
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C10W.D
Acq On : 27 Jan 12 15:38
Sample : AY53669W01
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:48 2012 Quant Results File: CGAS.RES

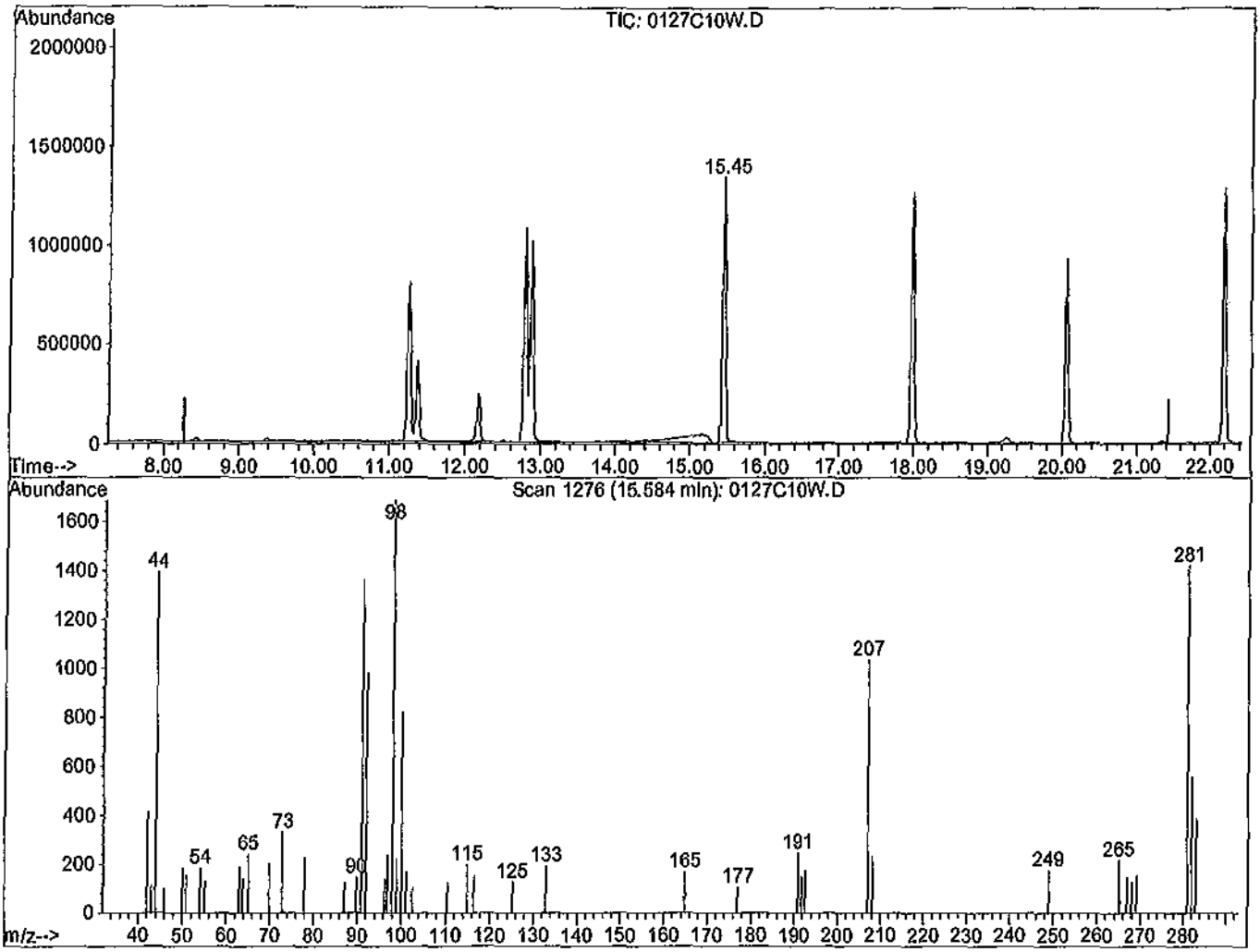
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration



Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C10W.D Vial: 1
Acq On : 27 Jan 12 15:38 Operator: RS, ARS
Sample : AY53669W01 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:48 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration



TIC: 0127C10W.D

(2) Gasoline (TMHB)

15.58min 14.1793ppb m

response 19376906

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.64#
0.00	0.00	1.98#
0.00	0.00	0.00

EPA METHOD 8260B
Volatile Organic Compounds
Calibration Data

APPL, INC.

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 01/25/12
Matrix: Water Instrument: Chico Initials:

			0125C07W.D	0125C08W.D	0125C09W.D	0125C10W.D	0125C11W.D	0125C12W.D	0125C13W.D							
		Compound	0.3	0.5	1	5	10	40	100				Avg	%RSD		r^2
1	I	Fluorobenzene (IS)														
2	TMQ	Dichlorodifluoromethane		0.8105	0.7440	0.5541	0.8957	0.9210	0.8962				0.80	17	TMQ	1.000
3	TM	Freon 114	0.3205	0.3775	0.4185	0.3506	0.3703	0.4207	0.4132				0.38	10.0	TM	
4	TM**L	Chloromethane		0.5133	0.3941	0.3202	0.4015	0.3745	0.3630				0.39	16	TM**L	1.000
5	TM*	Vinyl chloride		0.3557	0.3342	0.2560	0.2411	0.2089					0.28	23	TM*	
6	TML	Bromomethane		0.0600	0.0845	0.1244	0.1514	0.1831	0.1925				0.13	40	TML	1.000
7	TM	Chloroethane	0.1833	0.2486	0.2128	0.1789	0.1980	0.1758	0.1678				0.20	14	TM	
8	TM	Dichlorofluoromethane	1.352	1.344	1.422	1.533	1.497	1.459	1.385				1.4	5.1	TM	
9	TM	Trichlorofluoromethane	0.1908	0.1927	0.1837	0.1603	0.1995	0.1960	0.1923				0.19	7.0	TM	
10		Acetonitrile	0.0277	0.0247	0.0271	0.0283	0.0255	0.0280	0.0243				0.03	6.2		
11	TM	Acrolein	0.0052	0.0046	0.0055	0.0061	0.0059	0.0059	0.0062				0.01	9.9	TM	
12	TML	Acetone		0.1801	0.1090	0.0617	0.0538	0.0527	0.0488				0.08	62	TML	0.999
13	TM	Freon-113	0.4574	0.5859	0.5857	0.5663	0.6064	0.6237	0.6137				0.58	9.7	TM	
14	TM*	1,1-DCE		0.3432	0.4799	0.3537	0.3405	0.3385	0.3345				0.37	16	TM*	
15	TM	t-Butanol	0.0032	0.0030	0.0023	0.0024	0.0029	0.0025	0.0029				0.00	12	TM	
16	TML	Methyl Acetate		0.2892	0.2696	0.1995	0.1917	0.1872	0.1809				0.22	21	TML	1.000
17	TML	Iodomethane		0.3403	0.6119	0.7906	0.8171	0.8261	0.8349				0.70	28	TML	1.00
18	TM	Acrylonitrile		0.0728	0.0611	0.0787	0.0684	0.0728	0.0707				0.07	8.2	TM	
19	TML	Methylene chloride		1.381	0.6556	0.4818	0.4302	0.4249	0.4014				0.63	60	TML	1.000
20	TM	Carbon disulfide	0.3908	0.3656	0.3489	0.3689	0.3695	0.3581	0.3539				0.37	3.8	TM	
21	TM	Methyl t-butyl ether (MtBE)	1.101	0.8921	0.8560	0.9226	0.9188	0.8793	0.8599				0.92	9.2	TM	
22	TML	Trans-1,2-DCE	0.5913	0.6946	0.5232	0.4370	0.4129	0.4124	0.4085				0.50	22	TML	1.00
23	TM	Diisopropyl Ether	1.850	2.014	1.909	2.078	2.050	1.968	1.847				2.0	4.8	TM	
24	TM**	1,1-DCA	1.003	0.9693	0.9522	1.004	1.024	0.9980	0.9578				0.99	2.8	TM**	
25	TML	Vinyl Acetate		0.1808	0.1260	0.1109	0.0978	0.0982	0.1013				0.12	27	TML	1.000
26	TM	Ethyl tert Butyl Ether	1.249	1.307	1.348	1.389	1.394	1.370	1.278				1.3	4.2	TM	
27	TMQ	MEK (2-Butanone)	0.0677	0.0829	0.0582	0.0524	0.0537	0.0514	0.0475				0.06	21	TMQ	1.00
28	TM	Cis-1,2-DCE	0.6210	0.7232	0.7399	0.6538	0.6493	0.6333	0.6032				0.66	7.8	TM	
29	TM	2,2-Dichloropropane		0.7244	0.7431	0.8916	0.8609	0.8684	0.8595				0.82	8.7	TM	
30	TM*	Chloroform	1.116	1.007	1.003	1.075	1.071	1.077	1.035				1.1	3.9	TM*	
31	TM	Bromochloromethane	0.1655	0.1940	0.2050	0.2126	0.2137	0.2102	0.2026				0.20	8.4	TM	
32	S	Dibromofluoromethane(S)		0.7135	0.6864	0.5813	0.6812	0.6741	0.6566				0.67	6.8	S	
33	TM	1,1,1-TCA	1.036	0.9185	0.8157	0.9042	0.8858	0.9190	0.8954				0.91	7.2	TM	
34	TM	Cyclohexane	0.8744	0.8572	0.7898	0.8849	0.8487	0.9143	0.9011				0.87	4.7	TM	
35	TM	1,1-Dichloropropene	0.6697	0.7123	0.6344	0.6036	0.5914	0.5938	0.5864				0.63	7.6	TM	

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 01/25/12
Matrix: Water Instrument: Chico
Initials:

		Compound	0.3	0.5	1	5	10	40	100				Avg	%RSD		
36	TM	2,2,4-Trimethylpentane	1.812	1.793	1.777	1.582	1.555	1.628	1.661				1.7	6.3	TM	
37	S	1,2-DCA-D4(S)		0.5260	0.5162	0.4389	0.4835	0.4706	0.4457				0.48	7.4	S	
38	TML	Carbon Tetrachloride		0.2061	0.2964	0.5643	0.6003	0.6878	0.7049				0.51	41	TML	1.000
39	TM	Tert Amyl Methyl Ether	1.039	1.130	1.038	1.048	1.068	1.043	0.9962				1.1	3.9	TM	
40	TM	1,2-DCA		0.4668	0.4144	0.4668	0.4646	0.4441	0.4135				0.45	5.7	TM	
41	TM	Benzene	2.251	2.211	1.912	2.098	2.042	2.068	2.010				2.1	5.6	TM	
42	TM	TCE		0.5396	0.5620	0.5812	0.5934	0.5970	0.5799				0.58	3.7	TM	
43	TM	2-Pentanone	0.1380	0.1201	0.1398	0.1437	0.1526	0.1501	0.1469				0.14	7.7	TM	
44	TM*	1,2-Dichloropropane	0.4907	0.5325	0.5936	0.5717	0.5737	0.5605	0.5402				0.55	6.2	TM* ✓	
45	TM	Bromodichloromethane		0.5758	0.5521	0.6445	0.6731	0.7052	0.6893				0.64	9.8	TM	
46	TM	Methyl Cyclohexane	0.7732	0.7719	0.7612	0.8224	0.8093	0.8475	0.8371				0.80	4.3	TM	
47	TM	Dibromomethane	0.2449	0.2121	0.1889	0.2427	0.2303	0.2369	0.2301				0.23	8.8	TM	
48	TM	2-Chloroethyl vinyl ether	0.1645	0.1298	0.1815	0.1665	0.1772	0.1833	0.1866				0.17	12	TM	
49	TM	1-Bromo-2-chloroethane	0.4502	0.4277	0.4385	0.4951	0.5007	0.5070	0.4900				0.47	6.9	TM	
50	TML	Cis-1,3-Dichloropropene	0.9510	1.078	0.6839	0.7735	0.7496	0.7792	0.7444				0.82	17	TML ✓	1.000
51	TM*	Toluene	2.408	2.387	2.482	2.517	2.457	2.489	2.385				2.4	2.2	TM* ✓	
52	TM	Trans-1,3-Dichloropropene	0.5833	0.4567	0.4529	0.5216	0.5636	0.5692	0.5664				0.53	10	TM	
53	TM	1,1,2-TCA	0.2222	0.1872	0.2433	0.2746	0.2761	0.2888	0.2702				0.25	14	TM	
54	I	Chlorobenzene-D5 (IS)														
55	S	Toluene-D8(S)		3.433	3.343	2.833	3.160	3.152	3.034				3.2	6.8	S	
56	TM	1,2-EDB	0.4114	0.3068	0.3329	0.3667	0.3933	0.4039	0.3903				0.37	11	TM	
57	TM	Tetrachloroethene	0.5773	0.7018	0.6666	0.7046	0.6798	0.7265	0.6908				0.68	7.1	TM	
58	TM	1-Chlorohexane	1.185	1.169	1.183	1.273	1.253	1.365	1.301				1.2	5.8	TM	
59	TM	1,1,1,2-Tetrachloroethane	0.6517	0.5940	0.6740	0.7148	0.7468	0.7753	0.7490				0.70	9.2	TM	
60	TM	m&p-Xylene		1.410	1.474	1.504	1.506	1.517	1.465				1.5	2.7	TM	
61	TM	o-Xylene		1.295	1.515	1.515	1.494	1.551	1.444				1.5	6.3	TM	
62	TM	Styrene	1.891	2.320	2.042	2.251	2.279	2.365	2.217				2.2	7.7	TM	
63	S	4-Bromofluorobenzene(S)		1.369	1.171	0.9602	1.069	1.061	0.9938				1.1	13	S	
64	TM	2-Hexanone	0.1421	0.1300	0.0956	0.1298	0.1511	0.1535	0.1472				0.14	15	TM	
65	TM	1,3-Dichloropropane	0.6238	0.7008	0.6692	0.7033	0.6934	0.7257	0.6776				0.68	4.8	TM	
66	TM	Dibromochloromethane	0.4923	0.3818	0.4350	0.4862	0.5359	0.5816	0.5695				0.50	14	TM	
67	TM**	Chlorobenzene	2.202	2.068	2.139	2.114	2.211	2.212	2.082				2.1	2.9	TM** ✓	
68	TM*	Ethylbenzene	3.982	3.911	3.928	3.947	3.860	3.956	3.838				3.9	1.3	TM* ✓	
69	TM**L	Bromoform		0.1822	0.1946	0.2435	0.2815	0.3172	0.3341				0.26	24	TM**L	1.000
70	I	1,4-Dichlorobenzene-D (IS)														

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 01/25/12
Matrix: Water Instrument: Chico Initials:

		Compound	0.3	0.5	1	5	10	40	100				Avg	%RSD		r²
71	TML	MIBK (methyl isobutyl ketone)	0.5744	0.6388	0.5683	0.4134	0.4480	0.4660	0.4471				0.51	17	TML	1.000
72	TM	Isopropylbenzene	7.460	7.293	7.224	7.660	7.588	7.665	7.419				7.5	2.3	TM	
73	TM**	1,1,2,2-Tetrachloroethane	0.6243	0.5413	0.7164	0.6836	0.7483	0.7693	0.7486				0.69	12	TM** ✓	
74	TMQ	1,2,3-Trichloropropane	0.0851	0.1273	0.0988	0.0712	0.0747	0.0770	0.0665				0.09	25	TMQ	1.000
75	TML	t-1,4-Dichloro-2-Butene		0.1112	0.1449	0.1522	0.1633	0.1786	0.1760				0.15	16	TML	1.000
76	TM	Bromobenzene	1.951	1.783	1.732	1.804	1.720	1.751	1.656				1.8	5.2	TM	
77	TM	n-Propylbenzene	9.575	9.768	9.119	9.350	9.145	9.328	8.790				9.3	3.4	TM	
78	TM	4-Ethyltoluene	5.429	5.250	5.201	5.658	5.272	5.491	5.503				5.4	3.1	TM	
79	TM	2-Chlorotoluene	5.615	6.097	6.382	5.953	5.808	5.869	5.453				5.9	5.2	TM	
80	TM	1,3,5-Trimethylbenzene	5.864	6.228	6.076	6.146	6.172	6.311	5.765				6.1	3.2	TM	
81	TM	4-Chlorotoluene	5.662	5.453	5.308	5.109	5.029	5.023	4.929				5.2	5.1	TM	
82	TM	Tert-Butylbenzene	7.838	7.473	6.952	6.792	6.516	6.767	6.393				7.0	7.5	TM	
83	TM	1,2,4-Trimethylbenzene	5.563	6.212	6.027	6.202	6.156	6.260	5.896				6.0	4.1	TM	
84	TM	Sec-Butylbenzene	8.464	8.689	8.515	8.591	8.529	8.868	8.462				8.6	1.7	TM	
85	TM	p-Isopropyltoluene	6.817	7.192	6.726	6.954	6.794	7.010	6.787				6.9	2.4	TM	
86	TM	Benzyl Chloride	1.635	1.321	1.433	1.187	1.334	1.442	1.408				1.4	9.9	TM	
87	TM	1,3-DCB	3.671	3.318	3.456	3.570	3.519	3.555	3.328				3.5	3.7	TM	
88	TM	1,4-DCB	3.876	3.450	3.320	3.274	3.316	3.310	3.192				3.4	6.7	TM	
89	TML	Hexachloroethane	0.7536	0.6027	0.7594	1.152	1.367	1.640	1.628				1.1	38	TML	1.000
90	TM	n-Butylbenzene	6.921	6.552	6.159	6.161	6.127	6.368	6.028				6.3	5.0	TM	
91	TM	1,2-DCB	3.002	3.040	3.051	2.897	2.842	2.927	2.710				2.9	4.2	TM	
92	TM	1,2-Dibromo-3-chloropropane			0.0889	0.1094	0.0968	0.1209	0.1154				0.11	12	TM	
93	TM	1,2,4-Trichlorobenzene	0.8459	0.8820	0.7353	0.8408	0.8355	0.8778					0.84	6.4	TM	
94	TML	Hexachlorobutadiene		1.492	1.111	1.031	0.9530	1.028	1.012				1.1	18	TML	1.000
95	TM	Naphthalene	2.669	2.359	2.274	2.494	2.613	2.591	2.508				2.5	5.7	TM	
96	TM	1,2,3-Trichlorobenzene	0.7184	0.6204	0.7128	0.6431	0.6824	0.6853	0.6446				0.67	5.5	TM	
97																
98																
99																
100																
101																
102																
103																
104																
105																

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C07W.D Vial: 1
Acq On : 25 Jan 12 17:16 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@0.3ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.77	96	544160	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	17.96	117	439104	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.16	152	232000	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.35	111	8372	0.57795 ppb		0.00
Spiked Amount 24.119			Recovery =	2.396%		
37) 1,2-DCA-D4(S)	12.16	65	6999	0.66967 ppb		0.00
Spiked Amount 22.874			Recovery =	2.929%		
55) Toluene-D8(S)	15.44	98	36281	0.65383 ppb		0.00
Spiked Amount 24.755			Recovery =	2.642%		
63) 4-Bromofluorobenzene(S)	20.04	95	15209	0.78424 ppb		0.00
Spiked Amount 26.777			Recovery =	2.928%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.04	85	3907	0.87829 ppb		92
3) Freon 114	4.30	85	2093	0.25198 ppb		92
5) Vinyl chloride	4.79	62	2712	0.44626 ppb		95
6) Bromomethane	5.68	94	565	1.48050 ppb		90
7) Chloroethane	5.88	64	1197	0.28196 ppb	#	84
8) Dichlorofluoromethane	5.96	67	8830	0.28419 ppb		97
9) Trichlorofluoromethane	6.48	103	1246	0.30466 ppb	#	71
10) Acetonitrile	7.61	41	9028	15.64202 ug/l		100
11) Acrolein	7.11	56	1693	13.82688 ppb	#	13
12) Acetone	7.23	43	1872	0.18650 ppb		95
13) Freon-113	7.40	101	2987	0.23782 ppb	#	59
14) 1,1-DCE	7.59	96	861	0.10836 ppb	#	92
15) t-Butanol	7.72	59	1044	17.48493 ppb	#	88
17) Iodomethane	8.10	142	1812	0.40164 ppb	#	69
18) Acrylonitrile	8.51	53	641	0.41626 ppb		79
19) Methylene chloride	8.42	84	17045	0.80865 ppb		91
20) Carbon disulfide	8.50	76	2552	0.32113 ppb	#	76
21) Methyl t-butyl ether (MtBE	8.84	73	7190	0.35962 ppb		94
22) Trans-1,2-DCE	9.03	96	3861	0.15682 ppb	#	32
23) Diisopropyl Ether	9.69	45	12082	0.28328 ppb	#	84
24) 1,1-DCA	9.72	63	6552	0.30500 ppb	#	89
25) Vinyl Acetate	9.36	43	2132	0.92014 ppb	#	70
26) Ethyl tert Butyl Ether	10.39	59	8158	0.28106 ppb	#	72
27) MEK (2-Butanone)	10.36	43	442	0.28457 ppb	#	69
28) Cis-1,2-DCE	10.73	96	4055	0.28204 ppb	#	41
29) 2,2-Dichloropropane	10.75	77	6583	0.36675 ppb	#	84
30) Chloroform	11.03	83	7285	0.31734 ppb	#	74
31) Bromochloromethane	11.24	128	1081	0.24768 ppb	#	1
33) 1,1,1-TCA	11.78	97	6762	0.34117 ppb		90
34) Cyclohexane	11.91	56	5710	0.30250 ppb	#	68
35) 1,1-Dichloropropene	12.03	75	4373	0.32023 ppb	#	70
36) 2,2,4-Trimethylpentane	12.11	57	11830	0.32226 ppb	#	75
38) Carbon Tetrachloride	12.25	117	1544	1.01150 ppb	#	63
39) Tert Amyl Methyl Ether	12.28	73	6787	0.29648 ppb		97
40) 1,2-DCA	12.32	62	2276	0.23497 ppb	#	75
41) Benzene	12.44	78	14701	0.32403 ppb		92
42) TCE	13.48	95	3245	0.25905 ppb	#	77
43) 2-Pentanone	13.14	43	45058	14.61871 ppb		99
44) 1,2-Dichloropropane	13.70	63	3204	0.26673 ppb	#	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C07W.D Vial: 1
Acq On : 25 Jan 12 17:16 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@0.3ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	Bromodichloromethane	14.05	83	3550	0.25484	ppb	#	89
46)	Methyl Cyclohexane	13.75	83	5049	0.28879	ppb		94
47)	Dibromomethane	14.11	93	1599	0.32427	ppb	#	58
48)	2-Chloroethyl vinyl ether	14.51	63	1074	0.29041	ppb	#	73
49)	1-Bromo-2-chloroethane	14.81	63	2940	0.28572	ppb		89
50)	Cis-1,3-Dichloropropene	14.95	75	6210	0.10962	ppb		92
51)	Toluene	15.56	91	15727	0.29533	ppb		95
52)	Trans-1,3-Dichloropropene	15.74	75	3809	0.32985	ppb		84
53)	1,1,2-TCA	16.01	83	1451	0.26477	ppb		79
56)	1,2-EDB	17.26	107	2168	0.33162	ppb	#	54
57)	Tetrachloroethene	16.73	164	3042	0.25537	ppb		90
58)	1-Chlorohexane	17.64	91	6242	0.28498	ppb		87
59)	1,1,1,2-Tetrachloroethane	18.10	131	3434	0.27898	ppb		83
60)	m&p-Xylene	18.29	106	14296	0.55024	ppb		100
61)	o-Xylene	19.03	106	8050	0.31198	ppb		96
64)	2-Hexanone	16.00	43	749	0.31448	ppb	#	25
65)	1,3-Dichloropropane	16.42	76	3287	0.27327	ppb		83
66)	Dibromochloromethane	16.91	129	2594	0.29688	ppb		82
67)	Chlorobenzene	18.03	112	11601	0.30766	ppb		85
68)	Ethylbenzene	18.15	91	20984	0.30497	ppb		95
69)	Bromoform	19.57	173	600	1.17155	ppb	#	65
71)	MIBK (methyl isobutyl keto	14.60	43	1599	0.17791	ppb	#	42
72)	Isopropylbenzene	19.67	105	20769	0.29949	ppb		91
73)	1,1,2,2-Tetrachloroethane	19.82	83	1738	0.27132	ppb	#	95
74)	1,2,3-Trichloropropane	20.08	110	237	0.45743	ppb		98
75)	t-1,4-Dichloro-2-Butene	20.14	53	92	0.39647	ppb	#	55
76)	Bromobenzene	20.40	156	5432	0.33049	ppb	#	67
77)	n-Propylbenzene	20.37	91	26657	0.30900	ppb		89
78)	4-Ethyltoluene	20.57	105	15114	0.30158	ppb		97
79)	2-Chlorotoluene	20.66	91	15631	0.28634	ppb		96
80)	1,3,5-Trimethylbenzene	20.64	105	16326	0.28935	ppb		81
81)	4-Chlorotoluene	20.74	91	15764	0.32566	ppb		90
82)	Tert-Butylbenzene	21.28	119	21822	0.33779	ppb		87
83)	1,2,4-Trimethylbenzene	21.33	105	15486	0.27604	ppb		91
84)	Sec-Butylbenzene	21.68	105	23563	0.29564	ppb		92
85)	p-Isopropyltoluene	21.91	119	18978	0.29650	ppb		93
86)	Benzyl Chloride	22.36	91	4551	0.35174	ppb		97
87)	1,3-DCB	22.06	146	10219	0.31569	ppb		94
88)	1,4-DCB	22.22	146	10790	0.34286	ppb		92
89)	Hexachloroethane	23.54	117	2098	0.86969	ppb	#	12
90)	n-Butylbenzene	22.63	91	19268	0.32797	ppb		97
91)	1,2-DCB	22.86	146	8358	0.30800	ppb	#	86
92)	1,2-Dibromo-3-chloropropan	24.04	155	71	0.07198	ppb	#	83
93)	1,2,4-Trichlorobenzene	25.53	180	2355	0.30348	ppb		85
94)	Hexachlorobutadiene	25.76	223	4351	0.40606	ppb		82
95)	Naphthalene	25.87	128	7430	0.32013	ppb	#	87
96)	1,2,3-Trichlorobenzene	26.23	180	2000	0.32050	ppb		86

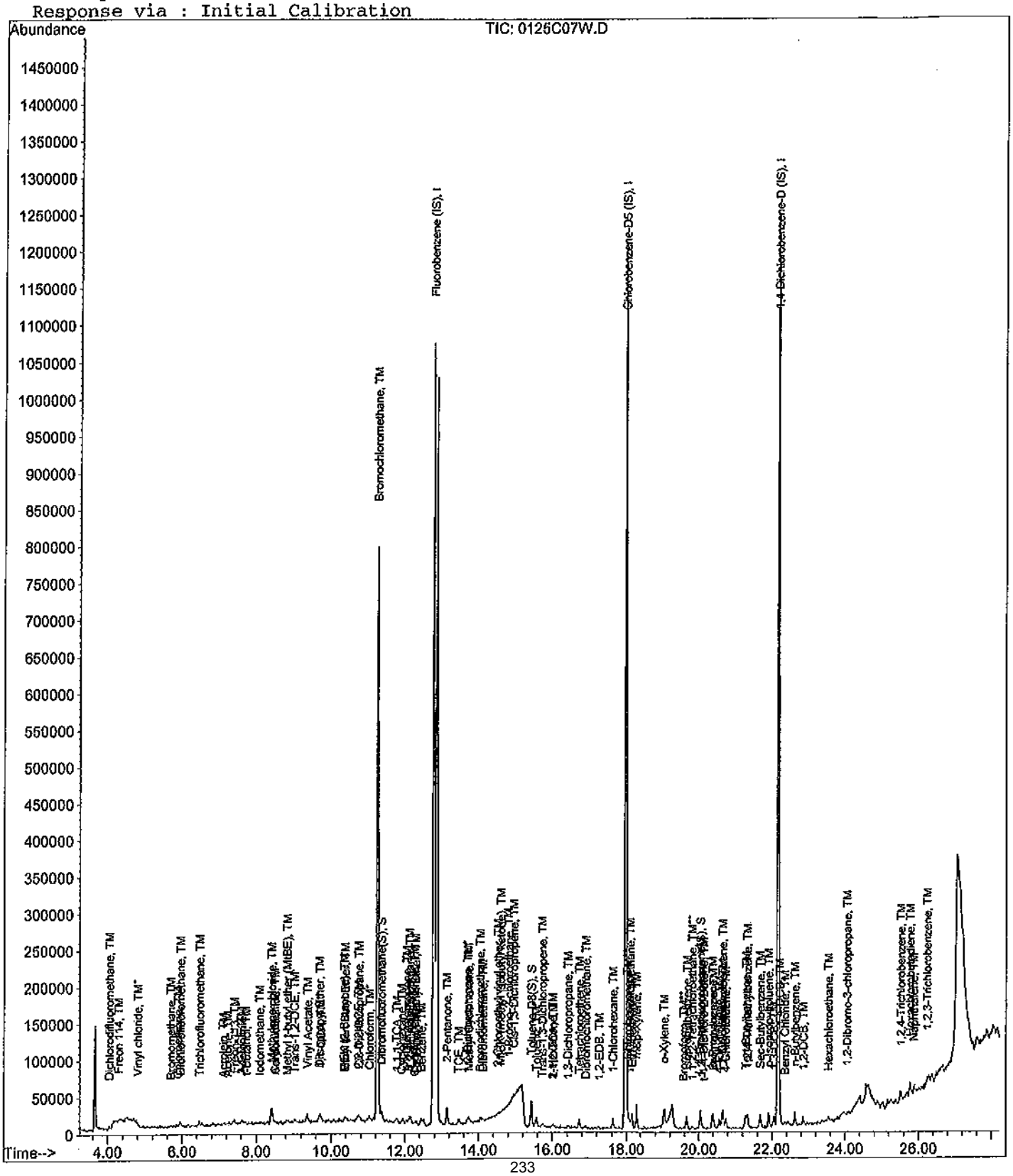
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C07W.D Vial: 1
Acq On : 25 Jan 12 17:16 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@0.3ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C08W.D Vial: 1
Acq On : 25 Jan 12 17:53 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@0.5ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.77	96	570373	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	17.96	117	448960	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.16	152	233792	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.36	111	16278	1.07208 ppb		0.00
Spiked Amount 24.119			Recovery	= 4.445%		
37) 1,2-DCA-D4(S)	12.16	65	12000	1.09541 ppb		0.00
Spiked Amount 22.874			Recovery	= 4.787%		
55) Toluene-D8(S)	15.43	98	61658	1.08676 ppb		0.00
Spiked Amount 24.755			Recovery	= 4.391%		
63) 4-Bromofluorobenzene(S)	20.03	95	24589	1.24008 ppb		0.00
Spiked Amount 26.777			Recovery	= 4.631%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.04	85	9246	1.11550 ppb		96
3) Freon 114	4.28	85	4306	0.49459 ppb		91
4) Chloromethane	4.52	50	5855	0.38803 ppb		90
5) Vinyl chloride	4.79	62	4058	0.63706 ppb		87
6) Bromomethane	5.68	94	684	1.50121 ppb		80
7) Chloroethane	5.87	64	2836	0.63735 ppb		97
8) Dichlorofluoromethane	5.97	67	15335	0.47088 ppb		99
9) Trichlorofluoromethane	6.46	103	2198	0.51274 ppb		86
10) Acetonitrile	7.61	41	14087	23.28560 ug/l		100
11) Acrolein	7.10	56	2641	20.57800 ppb		98
12) Acetone	7.23	43	2055	0.27063 ppb	#	49
13) Freon-113	7.40	101	6684	0.50772 ppb		89
14) 1,1-DCE	7.62	96	3915	0.47008 ppb	#	59
15) t-Butanol	7.70	59	1712	27.35488 ppb	#	80
16) Methyl Acetate	8.14	43	3299	0.18035 ppb		99
17) Iodomethane	8.11	142	3882	0.50550 ppb	#	65
18) Acrylonitrile	8.54	53	831	0.51484 ppb	#	9
19) Methylene chloride	8.41	84	15756	0.57681 ppb		85
20) Carbon disulfide	8.50	76	4171	0.50074 ppb	#	82
21) Methyl t-butyl ether (MtBE	8.85	73	10177	0.48562 ppb		92
22) Trans-1,2-DCE	9.04	96	7924	0.57374 ppb		78
23) Diisopropyl Ether	9.69	45	22977	0.51396 ppb	#	82
24) 1,1-DCA	9.72	63	11057	0.49106 ppb	#	90
25) Vinyl Acetate	9.35	43	2063	0.84547 ppb		98
26) Ethyl tert Butyl Ether	10.38	59	14912	0.49014 ppb		97
27) MEK (2-Butanone)	10.38	43	946	0.67885 ppb	#	69
28) Cis-1,2-DCE	10.76	96	8250	0.54745 ppb	#	71
29) 2,2-Dichloropropane	10.74	77	8264	0.43924 ppb	#	66
30) Chloroform	11.03	83	11482	0.47717 ppb		94
31) Bromochloromethane	11.26	128	2213	0.48375 ppb	#	61
33) 1,1,1-TCA	11.77	97	10478	0.50436 ppb		91
34) Cyclohexane	11.93	56	9779	0.49425 ppb		87
35) 1,1-Dichloropropene	12.04	75	8126	0.56771 ppb		90
36) 2,2,4-Trimethylpentane	12.11	57	20448	0.53142 ppb		94
38) Carbon Tetrachloride	12.25	117	2351	1.05673 ppb		81
39) Tert Amyl Methyl Ether	12.28	73	12890	0.53720 ppb	#	91
40) 1,2-DCA	12.30	62	5325	0.52447 ppb		99
41) Benzene	12.43	78	25218	0.53029 ppb		95
42) TCE	13.46	95	6155	0.46877 ppb		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C08W.D Vial: 1
Acq On : 25 Jan 12 17:53 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@0.5ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.14	43	68498	21.20229	ppb		93
44)	1,2-Dichloropropane	13.71	63	6075	0.48250	ppb	#	87
45)	Bromodichloromethane	14.05	83	6568	0.44982	ppb	#	94
46)	Methyl Cyclohexane	13.75	83	8805	0.48048	ppb		93
47)	Dibromomethane	14.10	93	2419	0.46801	ppb	#	65
48)	2-Chloroethyl vinyl ether	14.51	63	1481	0.38206	ppb	#	73
49)	1-Bromo-2-chloroethane	14.81	63	4879	0.45237	ppb		90
50)	Cis-1,3-Dichloropropene	14.94	75	12297	0.44945	ppb		94
51)	Toluene	15.57	91	27232	0.48787	ppb		97
52)	Trans-1,3-Dichloropropene	15.73	75	5210	0.43044	ppb		100
53)	1,1,2-TCA	16.00	83	2135	0.37167	ppb		79
56)	1,2-EDB	17.26	107	2755	0.41215	ppb	#	58
57)	Tetrachloroethene	16.72	164	6302	0.51743	ppb	#	74
58)	1-Chlorohexane	17.64	91	10496	0.46868	ppb		85
59)	1,1,1,2-Tetrachloroethane	18.07	131	5334	0.42383	ppb		80
60)	m&p-Xylene	18.29	106	25322	0.95322	ppb		93
61)	o-Xylene	19.04	106	11632	0.44091	ppb		86
62)	Styrene	19.05	104	20833	0.52849	ppb		92
64)	2-Hexanone	15.99	43	177	0.07269	ppb	#	25
65)	1,3-Dichloropropane	16.42	76	6293	0.51170	ppb	#	61
66)	Dibromochloromethane	16.90	129	3428	0.38372	ppb		99
67)	Chlorobenzene	18.03	112	18573	0.48174	ppb		96
68)	Ethylbenzene	18.15	91	35115	0.49913	ppb		89
69)	Bromoform	19.56	173	1636	1.34106	ppb	#	32
71)	MIBK (methyl isobutyl keto	14.62	43	2987	0.50596	ppb		97
72)	Isopropylbenzene	19.66	105	34102	0.48798	ppb	#	89
73)	1,1,2,2-Tetrachloroethane	19.82	83	2531	0.39209	ppb	#	66
74)	1,2,3-Trichloropropane	20.07	110	595	0.91630	ppb	#	19
75)	t-1,4-Dichloro-2-Butene	20.12	53	520	0.65455	ppb	#	51
76)	Bromobenzene	20.40	156	8338	0.50340	ppb		82
77)	n-Propylbenzene	20.37	91	45672	0.52535	ppb		95
78)	4-Ethyltoluene	20.57	105	24548	0.48607	ppb		99
79)	2-Chlorotoluene	20.66	91	28507	0.51820	ppb		94
80)	1,3,5-Trimethylbenzene	20.63	105	29122	0.51217	ppb		96
81)	4-Chlorotoluene	20.74	91	25499	0.52273	ppb		91
82)	Tert-Butylbenzene	21.27	119	34942	0.53673	ppb		93
83)	1,2,4-Trimethylbenzene	21.34	105	29046	0.51379	ppb		82
84)	Sec-Butylbenzene	21.68	105	40629	0.50586	ppb		97
85)	p-Isopropyltoluene	21.91	119	33628	0.52136	ppb		94
86)	Benzyl Chloride	22.35	91	6177	0.47375	ppb		95
87)	1,3-DCB	22.05	146	15513	0.47556	ppb		95
88)	1,4-DCB	22.22	146	16133	0.50871	ppb	#	88
89)	Hexachloroethane	23.53	117	2818	0.91552	ppb		86
90)	n-Butylbenzene	22.63	91	30637	0.51748	ppb		97
91)	1,2-DCB	22.86	146	14213	0.51974	ppb		93
92)	1,2-Dibromo-3-chloropropan	24.07	155	779	0.78370	ppb	#	30
93)	1,2,4-Trichlorobenzene	25.52	180	4124	0.52737	ppb		97
94)	Hexachlorobutadiene	25.77	223	6978	0.67994	ppb		97
95)	Naphthalene	25.88	128	11028	0.47151	ppb		98
96)	1,2,3-Trichlorobenzene	26.22	180	2901	0.46133	ppb		86

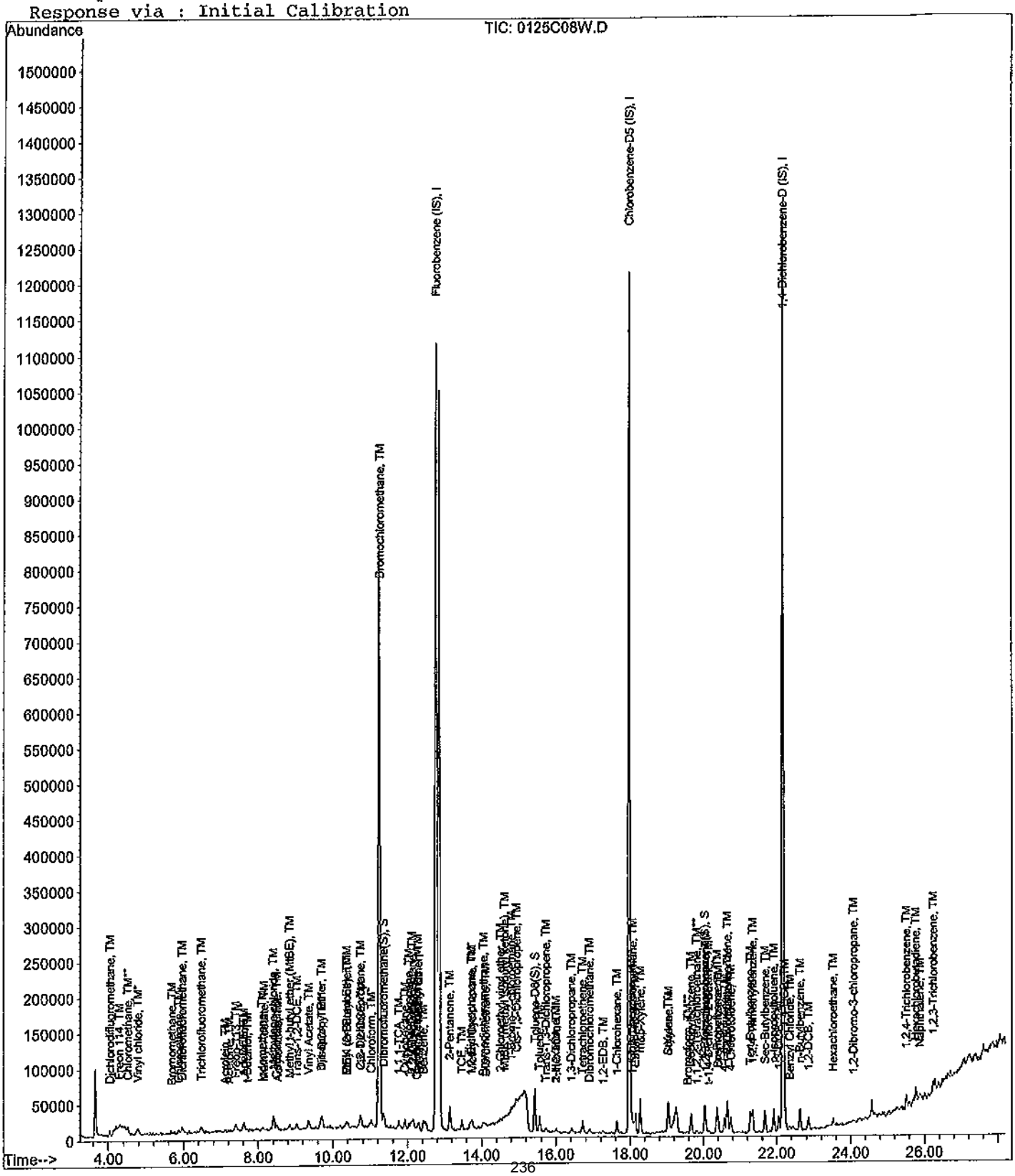
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C08W.D Vial: 1
Acq On : 25 Jan 12 17:53 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@0.5ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C09W.D Vial: 1
Acq On : 25 Jan 12 18:30 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@1.0ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.77	96	567492	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	17.97	117	451456	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.16	152	236096	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.35	111	31163	2.06284 ppb		0.00
Spiked Amount 24.119			Recovery =	8.553%		
37) 1,2-DCA-D4(S)	12.16	65	23435	2.15010 ppb		0.00
Spiked Amount 22.874			Recovery =	9.399%		
55) Toluene-D8(S)	15.43	98	120732	2.11621 ppb		0.00
Spiked Amount 24.755			Recovery =	8.548%		
63) 4-Bromofluorobenzene(S)	20.04	95	42304	2.12169 ppb		0.00
Spiked Amount 26.777			Recovery =	7.925%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.04	85	16888	1.47149 ppb		93
3) Freon 114	4.31	85	9499	1.09660 ppb		90
4) Chloromethane	4.52	50	8946	0.76644 ppb		98
5) Vinyl chloride	4.79	62	7587	1.19712 ppb		92
6) Bromomethane	5.68	94	1919	1.78211 ppb	#	66
7) Chloroethane	5.87	64	4831	1.09120 ppb		96
8) Dichlorofluoromethane	5.96	67	32290	0.99653 ppb		93
9) Trichlorofluoromethane	6.46	103	4169	0.97747 ppb		93
10) Acetonitrile	7.59	41	30779	51.13552 ug/l		100
11) Acrolein	7.10	56	6231	48.79685 ppb		96
12) Acetone	7.24	43	2474	0.66173 ppb	#	84
13) Freon-113	7.40	101	13295	1.01502 ppb		93
14) 1,1-DCE	7.61	96	10894	1.31471 ppb		96
15) t-Butanol	7.70	59	2614	41.97936 ppb		99
16) Methyl Acetate	8.13	43	6119	0.87301 ppb		94
17) Iodomethane	8.11	142	13890	1.03343 ppb	#	82
18) Acrylonitrile	8.50	53	1387	0.86367 ppb	#	67
19) Methylene chloride	8.41	84	14883	0.48919 ppb		99
20) Carbon disulfide	8.50	76	7919	0.95553 ppb		99
21) Methyl t-butyl ether (MtBE	8.82	73	19432	0.93196 ppb	#	81
22) Trans-1,2-DCE	9.03	96	11876	1.00520 ppb		95
23) Diisopropyl Ether	9.69	45	43342	0.97442 ppb		98
24) 1,1-DCA	9.71	63	21615	0.96482 ppb	#	95
25) Vinyl Acetate	9.36	43	2861	1.19879 ppb	#	80
26) Ethyl tert Butyl Ether	10.38	59	30596	1.01077 ppb	#	86
27) MEK (2-Butanone)	10.37	43	1320	0.99007 ppb	#	69
28) Cis-1,2-DCE	10.74	96	16795	1.12013 ppb		94
29) 2,2-Dichloropropane	10.75	77	16868	0.90111 ppb		100
30) Chloroform	11.02	83	22769	0.95104 ppb		91
31) Bromochloromethane	11.24	128	4654	1.02250 ppb	#	55
33) 1,1,1-TCA	11.76	97	18516	0.89579 ppb		99
34) Cyclohexane	11.93	56	17929	0.91077 ppb		91
35) 1,1-Dichloropropene	12.04	75	14401	1.01122 ppb		96
36) 2,2,4-Trimethylpentane	12.10	57	40334	1.05355 ppb		97
38) Carbon Tetrachloride	12.23	117	6728	1.32906 ppb		77
39) Tert Amyl Methyl Ether	12.29	73	23556	0.98670 ppb	#	83
40) 1,2-DCA	12.31	62	9406	0.93112 ppb	#	82
41) Benzene	12.42	78	43396	0.91717 ppb		97
42) TCE	13.46	95	12757	0.97652 ppb		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C09W.D Vial: 1
Acq On : 25 Jan 12 18:30 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@1.0ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.13	43	158637	49.35243	ppb		99
44)	1,2-Dichloropropane	13.69	63	13474	1.07559	ppb	#	93
45)	Bromodichloromethane	14.04	83	12532	0.86264	ppb	#	95
46)	Methyl Cyclohexane	13.75	83	17279	0.94768	ppb		97
47)	Dibromomethane	14.10	93	4287	0.83363	ppb		85
48)	2-Chloroethyl vinyl ether	14.49	63	4119	1.06799	ppb		86
49)	1-Bromo-2-chloroethane	14.81	63	9953	0.92750	ppb		93
50)	Cis-1,3-Dichloropropene	14.93	75	15524	0.64354	ppb		92
51)	Toluene	15.56	91	56349	1.01464	ppb		100
52)	Trans-1,3-Dichloropropene	15.74	75	10280	0.85362	ppb		89
53)	1,1,2-TCA	16.01	83	5523	0.96636	ppb	#	58
56)	1,2-EDB	17.25	107	6012	0.89443	ppb	#	98
57)	Tetrachloroethene	16.72	164	12037	0.98283	ppb		87
58)	1-Chlorohexane	17.64	91	21368	0.94887	ppb		97
59)	1,1,1,2-Tetrachloroethane	18.08	131	12171	0.96174	ppb		97
60)	m&p-Xylene	18.28	106	53224	1.99249	ppb		98
61)	o-Xylene	19.03	106	27361	1.03138	ppb		71
62)	Styrene	19.05	104	36876	0.93029	ppb		97
64)	2-Hexanone	16.07	43	1726	0.70487	ppb		96
65)	1,3-Dichloropropane	16.43	76	12084	0.97715	ppb	#	82
66)	Dibromochloromethane	16.89	129	7856	0.87452	ppb		82
67)	Chlorobenzene	18.02	112	38635	0.99657	ppb		96
68)	Ethylbenzene	18.14	91	70940	1.00279	ppb		97
69)	Bromoform	19.57	173	3514	1.64917	ppb		95
71)	MIBK (methyl isobutyl keto	14.62	43	5372	1.06220	ppb		85
72)	Isopropylbenzene	19.66	105	68226	0.96674	ppb		95
73)	1,1,2,2-Tetrachloroethane	19.82	83	6766	1.03793	ppb	#	74
74)	1,2,3-Trichloropropane	20.06	110	933	1.34077	ppb	#	72
75)	t-1,4-Dichloro-2-Butene	20.13	53	1368	1.15869	ppb	#	73
76)	Bromobenzene	20.39	156	16361	0.97815	ppb		88
77)	n-Propylbenzene	20.36	91	86117	0.98091	ppb		99
78)	4-Ethyltoluene	20.56	105	49118	0.96309	ppb		100
79)	2-Chlorotoluene	20.66	91	60274	1.08497	ppb		92
80)	1,3,5-Trimethylbenzene	20.64	105	57382	0.99934	ppb		93
81)	4-Chlorotoluene	20.74	91	50126	1.01756	ppb		95
82)	Tert-Butylbenzene	21.28	119	65649	0.99857	ppb		94
83)	1,2,4-Trimethylbenzene	21.33	105	56922	0.99705	ppb		85
84)	Sec-Butylbenzene	21.68	105	80418	0.99149	ppb		99
85)	p-Isopropyltoluene	21.91	119	63519	0.97517	ppb		94
86)	Benzyl Chloride	22.35	91	13537	1.02809	ppb		90
87)	1,3-DCB	22.05	146	32641	0.99086	ppb		93
88)	1,4-DCB	22.22	146	31355	0.97904	ppb		94
89)	Hexachloroethane	23.53	117	7172	1.19446	ppb		90
90)	n-Butylbenzene	22.62	91	58161	0.97280	ppb		92
91)	1,2-DCB	22.85	146	28813	1.04335	ppb		95
92)	1,2-Dibromo-3-chloropropan	24.20	155	332	0.33074	ppb		90
93)	1,2,4-Trichlorobenzene	25.52	180	6944	0.87932	ppb		91
94)	Hexachlorobutadiene	25.76	223	10492	1.04022	ppb		84
95)	Naphthalene	25.87	128	21471	0.90904	ppb		99
96)	1,2,3-Trichlorobenzene	26.23	180	6732	1.06010	ppb		92

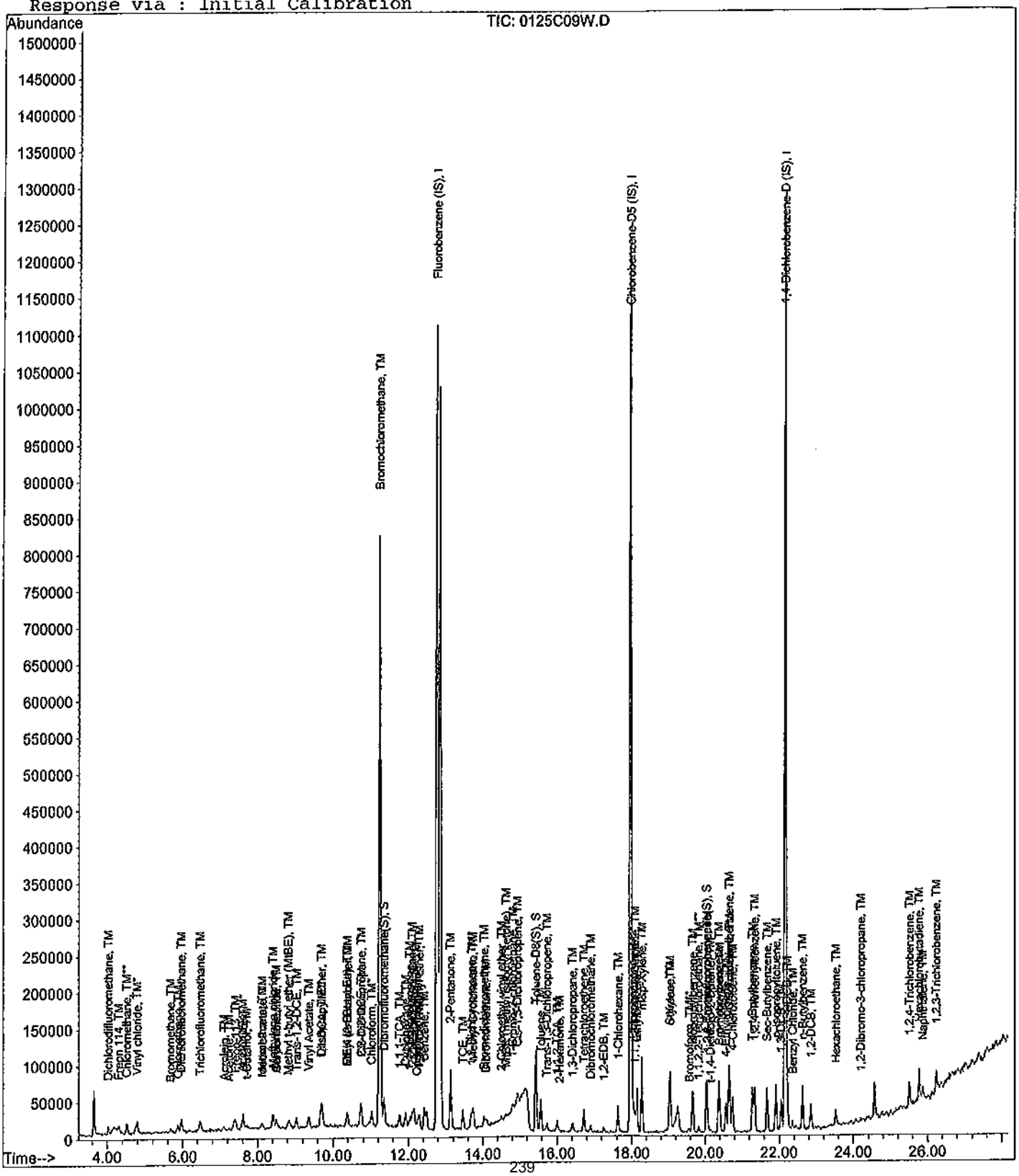
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C09W.D Vial: 1
Acq On : 25 Jan 12 18:30 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@1.0ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C10W.D Vial: 1
Acq On : 25 Jan 12 19:07 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@5.0ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.77	96	556179	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	17.96	117	453376	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.16	152	239104	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.36	111	129313	8.73400 ppb		0.00
Spiked Amount 24.119			Recovery	= 36.212%		
37) 1,2-DCA-D4(S)	12.16	65	97644	9.14081 ppb		0.00
Spiked Amount 22.874			Recovery	= 39.962%		
55) Toluene-D8(S)	15.43	98	513809	8.96798 ppb		0.00
Spiked Amount 24.755			Recovery	= 36.227%		
63) 4-Bromofluorobenzene(S)	20.03	95	174130	8.69624 ppb		0.00
Spiked Amount 26.777			Recovery	= 32.475%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.04	85	61634	3.60407 ppb		99
3) Freon 114	4.29	85	39001	4.59400 ppb		95
4) Chloromethane	4.52	50	35617	4.08849 ppb		96
5) Vinyl chloride	4.79	62	28480	4.58516 ppb		99
6) Bromomethane	5.68	94	13833	4.54820 ppb		94
7) Chloroethane	5.87	64	19896	4.58541 ppb		92
8) Dichlorofluoromethane	5.96	67	170496	5.36884 ppb		97
9) Trichlorofluoromethane	6.47	103	17832	4.26594 ppb		81
10) Acetonitrile	7.60	41	63024	106.83641 ug/l		100
11) Acrolein	7.11	56	13535	108.15272 ppb		89
12) Acetone	7.24	43	6861	4.78479 ppb		96
13) Freon-113	7.40	101	62998	4.90746 ppb		96
14) 1,1-DCE	7.62	96	39339	4.84407 ppb		92
15) t-Butanol	7.70	59	5430	88.97648 ppb		99
16) Methyl Acetate	8.13	43	22190	4.90746 ppb		92
17) Iodomethane	8.11	142	87938	5.02604 ppb		98
18) Acrylonitrile	8.50	53	8752	5.56063 ppb	#	69
19) Methylene chloride	8.42	84	53591	4.88420 ppb		85
20) Carbon disulfide	8.49	76	41040	5.05271 ppb		97
21) Methyl t-butyl ether (MtBE	8.83	73	102628	5.02214 ppb		93
22) Trans-1,2-DCE	9.03	96	48613	5.08266 ppb		90
23) Diisopropyl Ether	9.68	45	231146	5.30235 ppb		90
24) 1,1-DCA	9.72	63	111662	5.08561 ppb		94
25) Vinyl Acetate	9.36	43	12332	5.44771 ppb		100
26) Ethyl tert Butyl Ether	10.38	59	154461	5.20657 ppb	#	89
27) MEK (2-Butanone)	10.38	43	5826	4.80824 ppb	#	90
28) Cis-1,2-DCE	10.75	96	72731	4.94942 ppb		97
29) 2,2-Dichloropropane	10.74	77	99174	5.40577 ppb		96
30) Chloroform	11.03	83	119532	5.09431 ppb		96
31) Bromochloromethane	11.26	128	23651	5.30191 ppb	#	79
33) 1,1,1-TCA	11.76	97	100574	4.96467 ppb		99
34) Cyclohexane	11.94	56	98431	5.10188 ppb		98
35) 1,1-Dichloropropene	12.03	75	67142	4.81052 ppb		90
36) 2,2,4-Trimethylpentane	12.11	57	175956	4.68955 ppb		96
38) Carbon Tetrachloride	12.23	117	62766	4.88550 ppb		88
39) Tert Amyl Methyl Ether	12.29	73	116566	4.98194 ppb		97
40) 1,2-DCA	12.30	62	51923	5.24451 ppb		96
41) Benzene	12.43	78	233358	5.03231 ppb		99
42) TCE	13.47	95	64648	5.04930 ppb		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C10W.D Vial: 1
Acq On : 25 Jan 12 19:07 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@5.0ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.13	43	319741	101.49568	ppb		99
44)	1,2-Dichloropropane	13.69	63	63597	5.18002	ppb		97
45)	Bromodichloromethane	14.05	83	71694	5.03541	ppb		98
46)	Methyl Cyclohexane	13.75	83	91479	5.11927	ppb		98
47)	Dibromomethane	14.09	93	26998	5.35670	ppb		98
48)	2-Chloroethyl vinyl ether	14.50	63	18521	4.89990	ppb		99
49)	1-Bromo-2-chloroethane	14.81	63	55069	5.23616	ppb		90
50)	Cis-1,3-Dichloropropene	14.94	75	86045	4.90842	ppb		87
51)	Toluene	15.56	91	279940	5.14321	ppb		98
52)	Trans-1,3-Dichloropropene	15.73	75	58020	4.91583	ppb		98
53)	1,1,2-TCA	16.01	83	30541	5.45244	ppb		98
56)	1,2-EDB	17.26	107	33255	4.92655	ppb		92
57)	Tetrachloroethene	16.72	164	63887	5.19435	ppb		98
58)	1-Chlorohexane	17.63	91	115471	5.10589	ppb		97
59)	1,1,1,2-Tetrachloroethane	18.09	131	64812	5.09967	ppb		86
60)	m&p-Xylene	18.28	106	272808	10.16956	ppb		98
61)	o-Xylene	19.03	106	137386	5.15684	ppb		96
62)	Styrene	19.05	104	204126	5.12777	ppb		95
64)	2-Hexanone	16.05	43	11766	4.78469	ppb		79
65)	1,3-Dichloropropane	16.43	76	63768	5.13465	ppb		100
66)	Dibromochloromethane	16.90	129	44085	4.88669	ppb		89
67)	Chlorobenzene	18.03	112	191681	4.92337	ppb		98
68)	Ethylbenzene	18.14	91	357885	5.03752	ppb		98
69)	Bromoform	19.56	173	22083	4.69499	ppb		99
71)	MIBK (methyl isobutyl keto	14.62	43	19770	4.40339	ppb		93
72)	Isopropylbenzene	19.66	105	366313	5.12524	ppb		98
73)	1,1,2,2-Tetrachloroethane	19.82	83	32692	4.95201	ppb		98
74)	1,2,3-Trichloropropane	20.08	110	3403	4.46490	ppb		95
75)	t-1,4-Dichloro-2-Butene	20.15	53	7279	4.63935	ppb	#	71
76)	Bromobenzene	20.40	156	86286	5.09376	ppb		89
77)	n-Propylbenzene	20.36	91	447141	5.02905	ppb		98
78)	4-Ethyltoluene	20.57	105	270556	5.23822	ppb		96
79)	2-Chlorotoluene	20.66	91	284669	5.05976	ppb		97
80)	1,3,5-Trimethylbenzene	20.63	105	293893	5.05390	ppb		98
81)	4-Chlorotoluene	20.74	91	244308	4.89709	ppb		94
82)	Tert-Butylbenzene	21.28	119	324784	4.87806	ppb		99
83)	1,2,4-Trimethylbenzene	21.34	105	296605	5.13001	ppb		99
84)	Sec-Butylbenzene	21.68	105	410839	5.00162	ppb		100
85)	p-Isopropyltoluene	21.91	119	332554	5.04127	ppb		97
86)	Benzyl Chloride	22.36	91	56743	4.25524	ppb	#	95
87)	1,3-DCB	22.06	146	170720	5.11723	ppb		97
88)	1,4-DCB	22.22	146	156556	4.82689	ppb		96
89)	Hexachloroethane	23.53	117	55081	4.23882	ppb		95
90)	n-Butylbenzene	22.63	91	294605	4.86558	ppb		98
91)	1,2-DCB	22.85	146	138525	4.95304	ppb		97
92)	1,2-Dibromo-3-chloropropan	24.07	155	5232	5.14663	ppb		78
93)	1,2,4-Trichlorobenzene	25.52	180	40208	5.02747	ppb		98
94)	Hexachlorobutadiene	25.77	223	49292	5.03284	ppb		89
95)	Naphthalene	25.87	128	119284	4.98673	ppb		96
96)	1,2,3-Trichlorobenzene	26.22	180	30753	4.78182	ppb		98

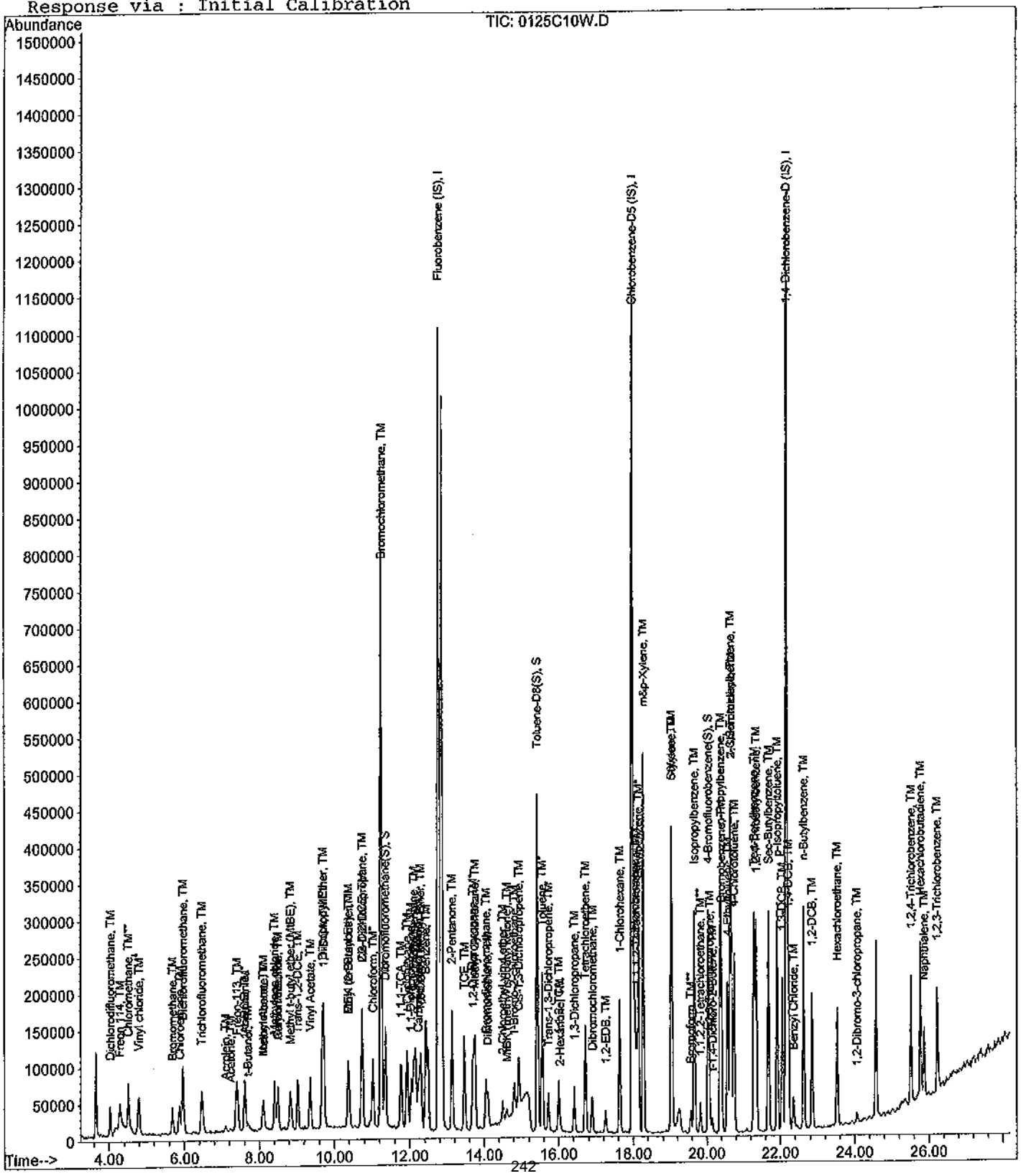
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C10W.D Vial: 1
Acq On : 25 Jan 12 19:07 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@5.0ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:05 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C11W.D Vial: 1
Acq On : 25 Jan 12 19:44 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@10ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.77	96	572455	25.00000 ppb	0.00
54) Chlorobenzene-D5 (IS)	17.96	117	460544	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	22.16	152	244544	25.00000 ppb	0.00
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.36	111	389933	25.58787 ppb	0.00
Spiked Amount 24.119			Recovery = 106.090%		
37) 1,2-DCA-D4(S)	12.16	65	276786	25.17424 ppb	0.00
Spiked Amount 22.874			Recovery = 110.054%		
55) Toluene-D8(S)	15.43	98	1455147	25.00273 ppb	0.00
Spiked Amount 24.755			Recovery = 101.001%		
63) 4-Bromofluorobenzene(S)	20.03	95	492346	24.20560 ppb	0.00
Spiked Amount 26.777			Recovery = 90.398%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.04	85	205099	10.14432 ppb	100
3) Freon 114	4.29	85	84782	9.70268 ppb	100
4) Chloromethane	4.51	50	91933	10.73304 ppb	100
5) Vinyl chloride	4.77	62	55216	8.63679 ppb	100
6) Bromomethane	5.68	94	34672	9.14278 ppb	100
7) Chloroethane	5.86	64	45340	10.15237 ppb	100
8) Dichlorofluoromethane	5.95	67	342769	10.48676 ppb	100
9) Trichlorofluoromethane	6.46	103	45672	10.61545 ppb	100
10) Acetonitrile	7.60	41	73003	120.23400 ug/l	100
11) Acrolein	7.10	56	16884	131.07739 ppb	100
12) Acetone	7.23	43	12320	9.53278 ppb	100
13) Freon-113	7.40	101	138845	10.50832 ppb	100
14) 1,1-DCE	7.62	96	77967	9.32762 ppb	100
15) t-Butanol	7.70	59	8340	132.77451 ppb	100
16) Methyl Acetate	8.13	43	43905	10.00670 ppb	100
17) Iodomethane	8.10	142	187094	10.06678 ppb	100
18) Acrylonitrile	8.50	53	15663	9.66862 ppb	100
19) Methylene chloride	8.41	84	98512	9.63025 ppb	100
20) Carbon disulfide	8.49	76	84600	10.11954 ppb	100
21) Methyl t-butyl ether (MtBE	8.84	73	210387	10.00264 ppb	100
22) Trans-1,2-DCE	9.04	96	94555	9.85267 ppb	100
23) Diisopropyl Ether	9.69	45	469405	10.46172 ppb	100
24) 1,1-DCA	9.72	63	234479	10.37563 ppb	100
25) Vinyl Acetate	9.36	43	22392	9.64995 ppb	100
26) Ethyl tert Butyl Ether	10.39	59	319110	10.45072 ppb	100
27) MEK (2-Butanone)	10.37	43	12285	10.01047 ppb	100
28) Cis-1,2-DCE	10.75	96	148683	9.83036 ppb	100
29) 2,2-Dichloropropane	10.75	77	197124	10.43932 ppb	100
30) Chloroform	11.02	83	245298	10.15706 ppb	100
31) Bromochloromethane	11.25	128	48926	10.65603 ppb	100
33) 1,1,1-TCA	11.76	97	202839	9.72812 ppb	100
34) Cyclohexane	11.93	56	194334	9.78634 ppb	100
35) 1,1-Dichloropropene	12.03	75	135415	9.42622 ppb	100
36) 2,2,4-Trimethylpentane	12.11	57	355997	9.21822 ppb	100
38) Carbon Tetrachloride	12.23	117	137448	9.36643 ppb	100
39) Tert Amyl Methyl Ether	12.29	73	244464	10.15114 ppb	100
40) 1,2-DCA	12.31	62	106381	10.43956 ppb	100
41) Benzene	12.43	78	467510	9.79510 ppb	100
42) TCE	13.47	95	135878	10.31094 ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C11W.D Vial: 1
Acq On : 25 Jan 12 19:44 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@10ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) 2-Pentanone	13.13	43	436867	134.73230 ppb	100
44) 1,2-Dichloropropane	13.69	63	131378	10.39659 ppb	100
45) Bromodichloromethane	14.05	83	154139	10.51811 ppb	100
46) Methyl Cyclohexane	13.75	83	185326	10.07618 ppb	100
47) Dibromomethane	14.10	93	52741	10.16688 ppb	100
48) 2-Chloroethyl vinyl ether	14.50	63	40574	10.42902 ppb	100
49) 1-Bromo-2-chloroethane	14.81	63	114658	10.59213 ppb	100
50) Cis-1,3-Dichloropropene	14.94	75	171642	9.76858 ppb	100
51) Toluene	15.57	91	562624	10.04294 ppb	100
52) Trans-1,3-Dichloropropene	15.73	75	129060	10.62390 ppb	100
53) 1,1,2-TCA	16.01	83	63227	10.96689 ppb	100
56) 1,2-EDB	17.26	107	72456	10.56691 ppb	100
57) Tetrachloroethene	16.72	164	125240	10.02418 ppb	100
58) 1-Chlorohexane	17.64	91	230749	10.04444 ppb	100
59) 1,1,1,2-Tetrachloroethane	18.08	131	137579	10.65678 ppb	100
60) m&p-Xylene	18.28	106	554797	20.35948 ppb	100
61) o-Xylene	19.03	106	275138	10.16669 ppb	100
62) Styrene	19.05	104	419854	10.38284 ppb	100
64) 2-Hexanone	16.04	43	27827	11.13983 ppb	100
65) 1,3-Dichloropropane	16.42	76	127734	10.12515 ppb	100
66) Dibromochloromethane	16.90	129	98716	10.77207 ppb	100
67) Chlorobenzene	18.03	112	407221	10.29678 ppb	100
68) Ethylbenzene	18.14	91	711136	9.85403 ppb	100
69) Bromoform	19.56	173	51854	9.44970 ppb	100
71) MIBK (methyl isobutyl keto	14.61	43	43824	9.78470 ppb	100
72) Isopropylbenzene	19.66	105	742282	10.15455 ppb	100
73) 1,1,2,2-Tetrachloroethane	19.82	83	73195	10.84055 ppb	100
74) 1,2,3-Trichloropropane	20.08	110	7309	9.29996 ppb	100
75) t-1,4-Dichloro-2-Butene	20.15	53	15977	9.56636 ppb	100
76) Bromobenzene	20.39	156	168258	9.71189 ppb	100
77) n-Propylbenzene	20.36	91	894536	9.83715 ppb	100
78) 4-Ethyltoluene	20.57	105	515659	9.76155 ppb	100
79) 2-Chlorotoluene	20.66	91	568158	9.87390 ppb	100
80) 1,3,5-Trimethylbenzene	20.63	105	603683	10.15024 ppb	100
81) 4-Chlorotoluene	20.74	91	491928	9.64122 ppb	100
82) Tert-Butylbenzene	21.28	119	637373	9.36000 ppb	100
83) 1,2,4-Trimethylbenzene	21.34	105	602189	10.18363 ppb	100
84) Sec-Butylbenzene	21.68	105	834301	9.93096 ppb	100
85) p-Isopropyltoluene	21.91	119	664611	9.85088 ppb	100
86) Benzyl Chloride	22.36	91	130466	9.56618 ppb	100
87) 1,3-DCB	22.05	146	344241	10.08889 ppb	100
88) 1,4-DCB	22.22	146	324377	9.77862 ppb	100
89) Hexachloroethane	23.53	117	133690	9.05421 ppb	100
90) n-Butylbenzene	22.63	91	599347	9.67838 ppb	100
91) 1,2-DCB	22.85	146	278024	9.71977 ppb	100
92) 1,2-Dibromo-3-chloropropan	24.07	155	9470	9.10826 ppb	100
93) 1,2,4-Trichlorobenzene	25.52	180	81728	9.99167 ppb	100
94) Hexachlorobutadiene	25.77	223	93224	9.35505 ppb	100
95) Naphthalene	25.87	128	255618	10.44853 ppb	100
96) 1,2,3-Trichlorobenzene	26.23	180	66752	10.14844 ppb	100

(#) = qualifier out of range (m) = manual integration

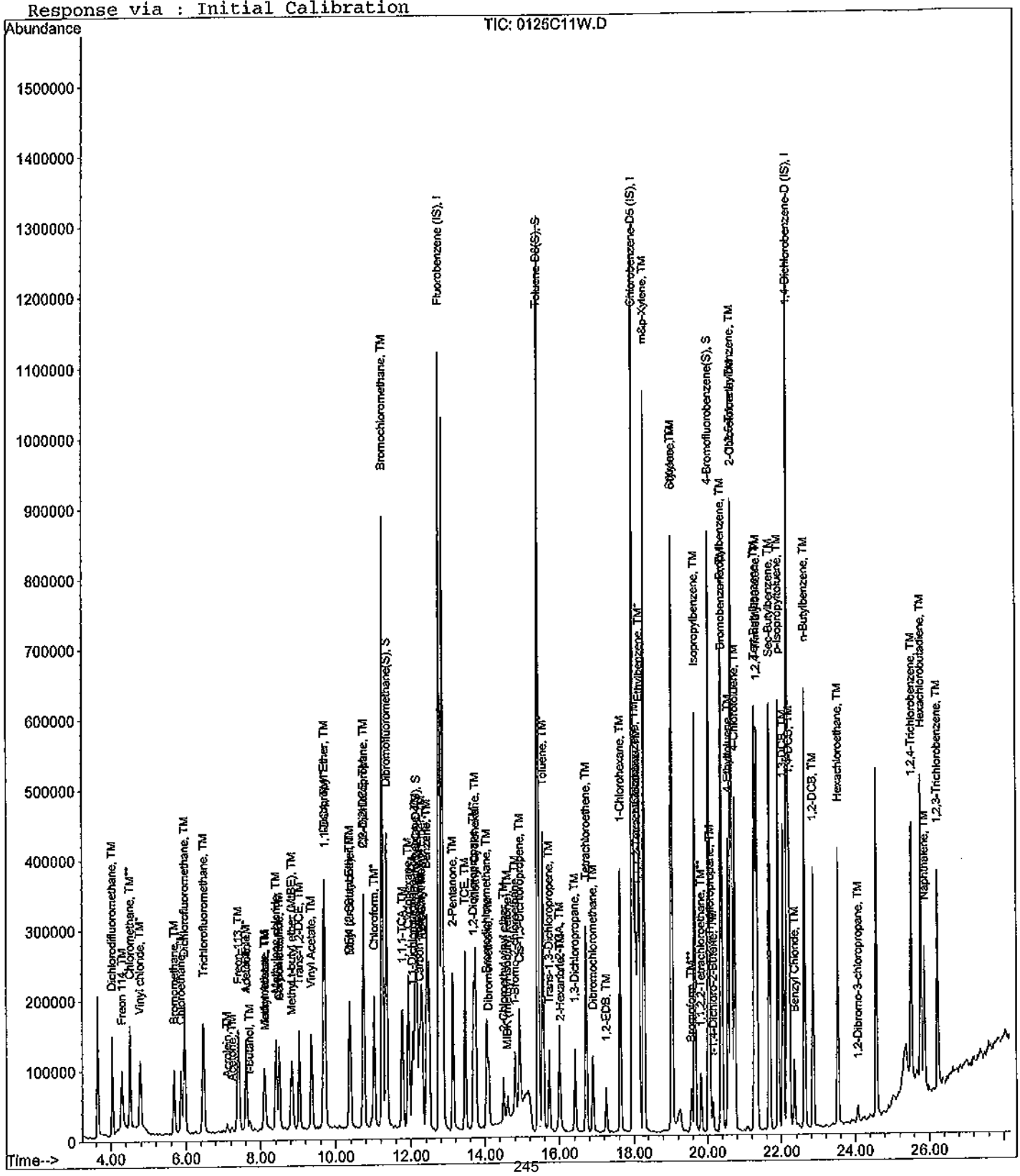
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C11W.D
Acq On : 25 Jan 12 19:44
Sample : Vol. Std. 01-25-12@10ug/L
Misc : Water 10mLw/ IS&S:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C12W.D Vial: 1
Acq On : 25 Jan 12 20:21 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@40ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.77	96	588171	25.00000 ppb		0.00
54) Chlorobenzene-D5 (IS)	17.96	117	466816	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	22.16	152	250496	25.00000 ppb		0.00
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.35	111	1268809	81.03602 ppb		-0.01
Spiked Amount 24.119			Recovery = 335.981%			
37) 1,2-DCA-D4(S)	12.16	65	885812	78.41363 ppb		0.00
Spiked Amount 22.874			Recovery = 342.805%			
55) Toluene-D8(S)	15.43	98	4708845	79.82158 ppb		0.00
Spiked Amount 24.755			Recovery = 322.447%			
63) 4-Bromofluorobenzene(S)	20.03	95	1585242	76.88937 ppb		0.00
Spiked Amount 26.777			Recovery = 287.143%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.04	85	866695	40.19758 ppb		98
3) Freon 114	4.29	85	395913	44.09870 ppb		91
4) Chloromethane	4.52	50	352421	40.91473 ppb		100
5) Vinyl chloride	4.77	62	196544	29.92162 ppb		97
6) Bromomethane	5.68	94	172288	39.05036 ppb		94
7) Chloroethane	5.87	64	165444	36.05577 ppb		98
8) Dichlorofluoromethane	5.96	67	1372794	40.87737 ppb		96
9) Trichlorofluoromethane	6.47	103	184448	41.72535 ppb		99
10) Acetonitrile	7.59	41	115131	184.55108 ug/l		100
11) Acrolein	7.10	56	24359	184.05586 ppb		95
12) Acetone	7.23	43	49579	41.98010 ppb	#	90
13) Freon-113	7.40	101	586950	43.23565 ppb		94
14) 1,1-DCE	7.61	96	318520	37.08811 ppb		79
15) t-Butanol	7.70	59	10144	157.17940 ppb	#	90
16) Methyl Acetate	8.12	43	176137	40.87608 ppb		98
17) Iodomethane	8.10	142	777459	39.79433 ppb		98
18) Acrylonitrile	8.50	53	68511	41.16118 ppb		89
19) Methylene chloride	8.42	84	399885	41.45343 ppb		99
20) Carbon disulfide	8.49	76	336960	39.22893 ppb		99
21) Methyl t-butyl ether (MtBE	8.83	73	827501	38.29148 ppb		99
22) Trans-1,2-DCE	9.03	96	388137	40.19716 ppb		97
23) Diisopropyl Ether	9.68	45	1851924	40.17132 ppb		98
24) 1,1-DCA	9.72	63	939237	40.45047 ppb		98
25) Vinyl Acetate	9.35	43	92408	38.91528 ppb		98
26) Ethyl tert Butyl Ether	10.38	59	1288892	41.08280 ppb		97
27) MEK (2-Butanone)	10.38	43	48349	40.03374 ppb		92
28) Cis-1,2-DCE	10.75	96	595944	38.34875 ppb		96
29) 2,2-Dichloropropane	10.74	77	817189	42.12044 ppb		98
30) Chloroform	11.02	83	1013150	40.83059 ppb		97
31) Bromochloromethane	11.25	128	197770	41.92315 ppb		94
33) 1,1,1-TCA	11.76	97	864856	40.37004 ppb		97
34) Cyclohexane	11.93	56	860425	42.17180 ppb		99
35) 1,1-Dichloropropene	12.03	75	558801	37.85872 ppb		92
36) 2,2,4-Trimethylpentane	12.11	57	1531674	38.60155 ppb		97
38) Carbon Tetrachloride	12.23	117	647307	39.66547 ppb		96
39) Tert Amyl Methyl Ether	12.28	73	981742	39.67667 ppb		96
40) 1,2-DCA	12.30	62	417955	39.91953 ppb		95
41) Benzene	12.43	78	1945788	39.67813 ppb		98
42) TCE	13.47	95	561850	41.49610 ppb		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C12W.D Vial: 1
Acq On : 25 Jan 12 20:21 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@40ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.13	43	618102	185.53266	ppb		95
44)	1,2-Dichloropropane	13.69	63	527517	40.62960	ppb		99
45)	Bromodichloromethane	14.05	83	663605	44.07300	ppb		97
46)	Methyl Cyclohexane	13.75	83	797561	42.20476	ppb		99
47)	Dibromomethane	14.10	93	222972	41.83379	ppb		91
48)	2-Chloroethyl vinyl ether	14.50	63	172520	43.15914	ppb		93
49)	1-Bromo-2-chloroethane	14.81	63	477136	42.90015	ppb		92
50)	Cis-1,3-Dichloropropene	14.94	75	733315	41.48047	ppb		98
51)	Toluene	15.56	91	2342630	40.69901	ppb		99
52)	Trans-1,3-Dichloropropene	15.73	75	535639	42.91431	ppb		95
53)	1,1,2-TCA	16.01	83	271826	45.88910	ppb		95
56)	1,2-EDB	17.26	107	301691	43.40717	ppb		97
57)	Tetrachloroethene	16.72	164	542649	42.84996	ppb		97
58)	1-Chlorohexane	17.63	91	1019777	43.79419	ppb		99
59)	1,1,1,2-Tetrachloroethane	18.08	131	579065	44.25137	ppb		95
60)	m&p-Xylene	18.28	106	2265686	82.02716	ppb		98
61)	o-Xylene	19.03	106	1158631	42.23763	ppb		89
62)	Styrene	19.05	104	1766076	43.08763	ppb		98
64)	2-Hexanone	16.03	43	114627	45.27145	ppb		96
65)	1,3-Dichloropropane	16.42	76	541993	42.38519	ppb		96
66)	Dibromochloromethane	16.90	129	434372	46.76262	ppb		96
67)	Chlorobenzene	18.03	112	1652089	41.21261	ppb		98
68)	Ethylbenzene	18.14	91	2954399	40.38830	ppb		99
69)	Bromoform	19.56	173	236918	38.84249	ppb		89
71)	MIBK (methyl isobutyl keto	14.61	43	186752	41.35793	ppb		91
72)	Isopropylbenzene	19.66	105	3072103	41.02832	ppb		98
73)	1,1,2,2-Tetrachloroethane	19.82	83	308333	44.58060	ppb		94
74)	1,2,3-Trichloropropane	20.07	110	30856	40.39492	ppb		94
75)	t-1,4-Dichloro-2-Butene	20.15	53	71600	40.70336	ppb	#	60
76)	Bromobenzene	20.40	156	701635	39.53626	ppb		93
77)	n-Propylbenzene	20.36	91	3738519	40.13538	ppb		98
78)	4-Ethyltoluene	20.57	105	2200664	40.66926	ppb		97
79)	2-Chlorotoluene	20.66	91	2352419	39.91079	ppb		100
80)	1,3,5-Trimethylbenzene	20.64	105	2529254	41.51604	ppb		97
81)	4-Chlorotoluene	20.74	91	2013011	38.51527	ppb		95
82)	Tert-Butylbenzene	21.28	119	2712039	38.88073	ppb		98
83)	1,2,4-Trimethylbenzene	21.34	105	2508880	41.41962	ppb		98
84)	Sec-Butylbenzene	21.68	105	3554267	41.30234	ppb		99
85)	p-Isopropyltoluene	21.91	119	2809577	40.65412	ppb		98
86)	Benzyl Chloride	22.36	91	578117	41.38218	ppb		100
87)	1,3-DCB	22.06	146	1424972	40.77023	ppb		99
88)	1,4-DCB	22.22	146	1326824	39.04783	ppb		100
89)	Hexachloroethane	23.53	117	657147	40.66733	ppb		96
90)	n-Butylbenzene	22.63	91	2552217	40.23444	ppb		99
91)	1,2-DCB	22.85	146	1173317	40.04472	ppb		98
92)	1,2-Dibromo-3-chloropropan	24.07	155	48442	45.48451	ppb		92
93)	1,2,4-Trichlorobenzene	25.52	180	351803	41.98778	ppb		99
94)	Hexachlorobutadiene	25.77	223	411999	40.55067	ppb		94
95)	Naphthalene	25.87	128	1038384	41.43601	ppb		97
96)	1,2,3-Trichlorobenzene	26.22	180	274662	40.76524	ppb		98

(#) = qualifier out of range (m) = manual integration

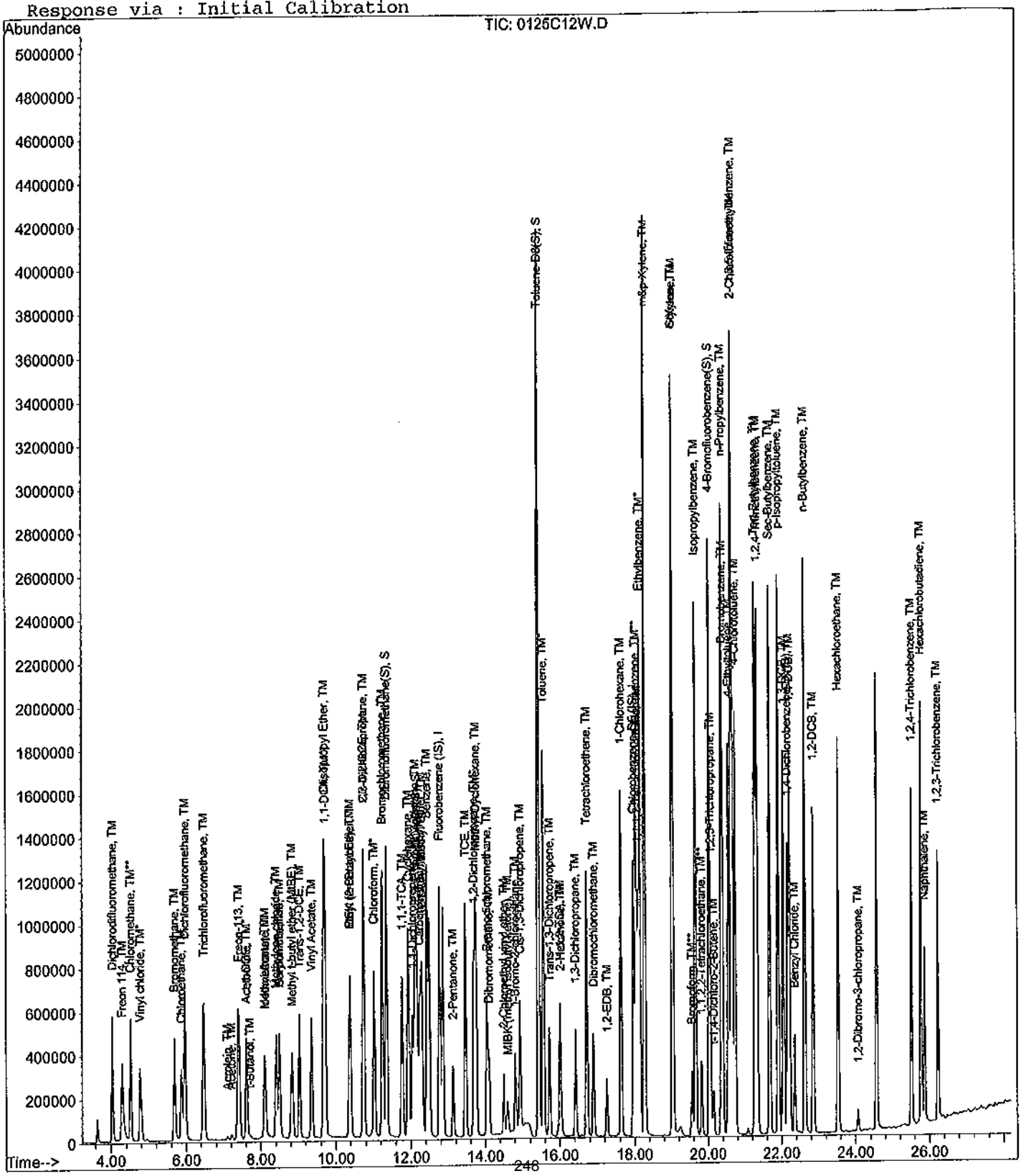
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C12W.D
Acq On : 25 Jan 12 20:21
Sample : Vol. Std. 01-25-12@40ug/L
Misc : Water 10mLw/ IS&S:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C13W.D Vial: 1
Acq On : 25 Jan 12 20:58 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@100ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.77	96	634396	25.00000 ppb	0.00
54) Chlorobenzene-D5 (IS)	17.96	117	510848	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	22.16	152	270208	25.00000 ppb	0.00
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.36	111	1666218	98.66358 ppb	0.00
Spiked Amount 24.119			Recovery	= 409.069%	
37) 1,2-DCA-D4(S)	12.16	65	1131110	92.83207 ppb	0.00
Spiked Amount 22.874			Recovery	= 405.837%	
55) Toluene-D8(S)	15.43	98	6200385	96.04585 ppb	0.00
Spiked Amount 24.755			Recovery	= 387.985%	
63) 4-Bromofluorobenzene(S)	20.03	95	2030814	90.01086 ppb	0.00
Spiked Amount 26.777			Recovery	= 336.147%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.03	85	2274246	99.96840 ppb	98
3) Freon 114	4.29	85	1048470	108.27424 ppb	87
4) Chloromethane	4.51	50	921209	99.60927 ppb	99
5) Vinyl chloride	4.76	62	583808	82.40214 ppb	97
6) Bromomethane	5.68	94	488512	100.46317 ppb	92
7) Chloroethane	5.86	64	425883	86.05125 ppb	98
8) Dichlorofluoromethane	5.96	67	3513693	97.00286 ppb	94
9) Trichlorofluoromethane	6.47	103	488064	102.36370 ppb	99
10) Acetonitrile	7.59	41	123573	183.65006 ug/l	100
11) Acrolein	7.10	56	31326	219.45137 ppb	99
12) Acetone	7.22	43	123787	99.26997 ppb	94
13) Freon-113	7.40	101	1557366	106.35913 ppb	91
14) 1,1-DCE	7.61	96	848827	91.63478 ppb	85
15) t-Butanol	7.70	59	14624	210.08534 ppb #	92
16) Methyl Acetate	8.13	43	459084	99.65639 ppb	98
17) Iodomethane	8.10	142	2118512	100.07393 ppb	99
18) Acrylonitrile	8.50	53	179281	99.86307 ppb	85
19) Methylene chloride	8.42	84	1018566	99.46612 ppb	99
20) Carbon disulfide	8.49	76	898048	96.93282 ppb	100
21) Methyl t-butyl ether (MtBE	8.83	73	2181956	93.61012 ppb	97
22) Trans-1,2-DCE	9.04	96	1036480	99.93175 ppb	98
23) Diisopropyl Ether	9.68	45	4686372	94.24816 ppb	96
24) 1,1-DCA	9.72	63	2430435	97.04553 ppb	98
25) Vinyl Acetate	9.35	43	257047	100.44279 ppb	95
26) Ethyl tert Butyl Ether	10.38	59	3243807	95.86094 ppb	94
27) MEK (2-Butanone)	10.37	43	120512	99.99410 ppb	100
28) Cis-1,2-DCE	10.75	96	1530635	91.31888 ppb	96
29) 2,2-Dichloropropane	10.74	77	2181132	104.23067 ppb	97
30) Chloroform	11.02	83	2626848	98.14993 ppb	97
31) Bromochloromethane	11.25	128	514075	101.03297 ppb	90
33) 1,1,1-TCA	11.76	97	2272037	98.32727 ppb	100
34) Cyclohexane	11.93	56	2286667	103.90950 ppb	99
35) 1,1-Dichloropropene	12.04	75	1488085	93.47159 ppb	94
36) 2,2,4-Trimethylpentane	12.11	57	4214129	98.46672 ppb	97
38) Carbon Tetrachloride	12.23	117	1788696	100.19682 ppb	93
39) Tert Amyl Methyl Ether	12.28	73	2527973	94.72256 ppb	98
40) 1,2-DCA	12.30	62	1049210	92.90978 ppb	93
41) Benzene	12.43	78	5100220	96.42459 ppb	99
42) TCE	13.47	95	1471475	100.75880 ppb	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C13W.D Vial: 1
Acq On : 25 Jan 12 20:58 Operator: RS, ARS
Sample : Vol. Std. 01-25-12@100ug/L Inst : Chico
Misc : Water 10mLw/ IS&S:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 2-Pentanone	13.13	43	745455	207.45544	ppb		99
44) 1,2-Dichloropropane	13.69	63	1370846	97.88992	ppb		98
45) Bromodichloromethane	14.05	83	1749083	107.70022	ppb		100
46) Methyl Cyclohexane	13.75	83	2124177	104.21528	ppb		97
47) Dibromomethane	14.10	93	583841	101.55813	ppb		92
48) 2-Chloroethyl vinyl ether	14.50	63	473390	109.79830	ppb		95
49) 1-Bromo-2-chloroethane	14.81	63	1243293	103.64139	ppb		91
50) Cis-1,3-Dichloropropene	14.94	75	1888900	99.43992	ppb		99
51) Toluene	15.56	91	6051840	97.47894	ppb		96
52) Trans-1,3-Dichloropropene	15.73	75	1437232	106.75790	ppb		97
53) 1,1,2-TCA	16.01	83	685764	107.33378	ppb		92
56) 1,2-EDB	17.26	107	797615	104.86883	ppb		99
57) Tetrachloroethene	16.72	164	1411548	101.85470	ppb		98
58) 1-Chlorohexane	17.63	91	2658727	104.33718	ppb		98
59) 1,1,1,2-Tetrachloroethane	18.09	131	1530485	106.87657	ppb		93
60) m&p-Xylene	18.28	106	5986447	198.05286	ppb		98
61) o-Xylene	19.03	106	2950334	98.28327	ppb		88
62) Styrene	19.05	104	4531022	101.01676	ppb		97
64) 2-Hexanone	16.03	43	300823	108.56817	ppb		99
65) 1,3-Dichloropropane	16.43	76	1384598	98.94599	ppb		97
66) Dibromochloromethane	16.90	129	1163712	114.48183	ppb		95
67) Chlorobenzene	18.03	112	4254074	96.97409	ppb		97
68) Ethylbenzene	18.15	91	7843064	97.97747	ppb		99
69) Bromoform	19.57	173	682627	100.52259	ppb		92
71) MIBK (methyl isobutyl keto	14.60	43	483281	99.50790	ppb		89
72) Isopropylbenzene	19.67	105	8018900	99.28083	ppb		99
73) 1,1,2,2-Tetrachloroethane	19.82	83	809093	108.44936	ppb		99
74) 1,2,3-Trichloropropane	20.08	110	71896	99.92517	ppb		96
75) t-1,4-Dichloro-2-Butene	20.15	53	190273	99.77769	ppb	#	65
76) Bromobenzene	20.40	156	1790000	93.50610	ppb		92
77) n-Propylbenzene	20.36	91	9500115	94.54951	ppb		97
78) 4-Ethyltoluene	20.57	105	5947651	101.89682	ppb		98
79) 2-Chlorotoluene	20.66	91	5894295	92.70648	ppb		99
80) 1,3,5-Trimethylbenzene	20.64	105	6230788	94.81325	ppb		96
81) 4-Chlorotoluene	20.74	91	5327764	94.50057	ppb		95
82) Tert-Butylbenzene	21.28	119	6909981	91.83706	ppb		98
83) 1,2,4-Trimethylbenzene	21.34	105	6372936	97.53676	ppb		96
84) Sec-Butylbenzene	21.68	105	9146462	98.53270	ppb		99
85) p-Isopropyltoluene	21.91	119	7336115	98.40843	ppb		98
86) Benzyl Chloride	22.36	91	1521630	100.97392	ppb		99
87) 1,3-DCB	22.06	146	3597263	95.41389	ppb		97
88) 1,4-DCB	22.22	146	3449930	94.12315	ppb		99
89) Hexachloroethane	23.53	117	1759540	99.85998	ppb		98
90) n-Butylbenzene	22.63	91	6515407	95.21919	ppb		98
91) 1,2-DCB	22.86	146	2929261	92.68098	ppb		96
92) 1,2-Dibromo-3-chloropropan	24.07	155	124753	108.59131	ppb		94
93) 1,2,4-Trichlorobenzene	25.53	180	843585	93.33721	ppb		97
94) Hexachlorobutadiene	25.80	223	1093311	99.84128	ppb		93
95) Naphthalene	25.91	128	2710647	100.27564	ppb		97
96) 1,2,3-Trichlorobenzene	26.28	180	696663	95.85543	ppb		99

(#) = qualifier out of range (m) = manual integration

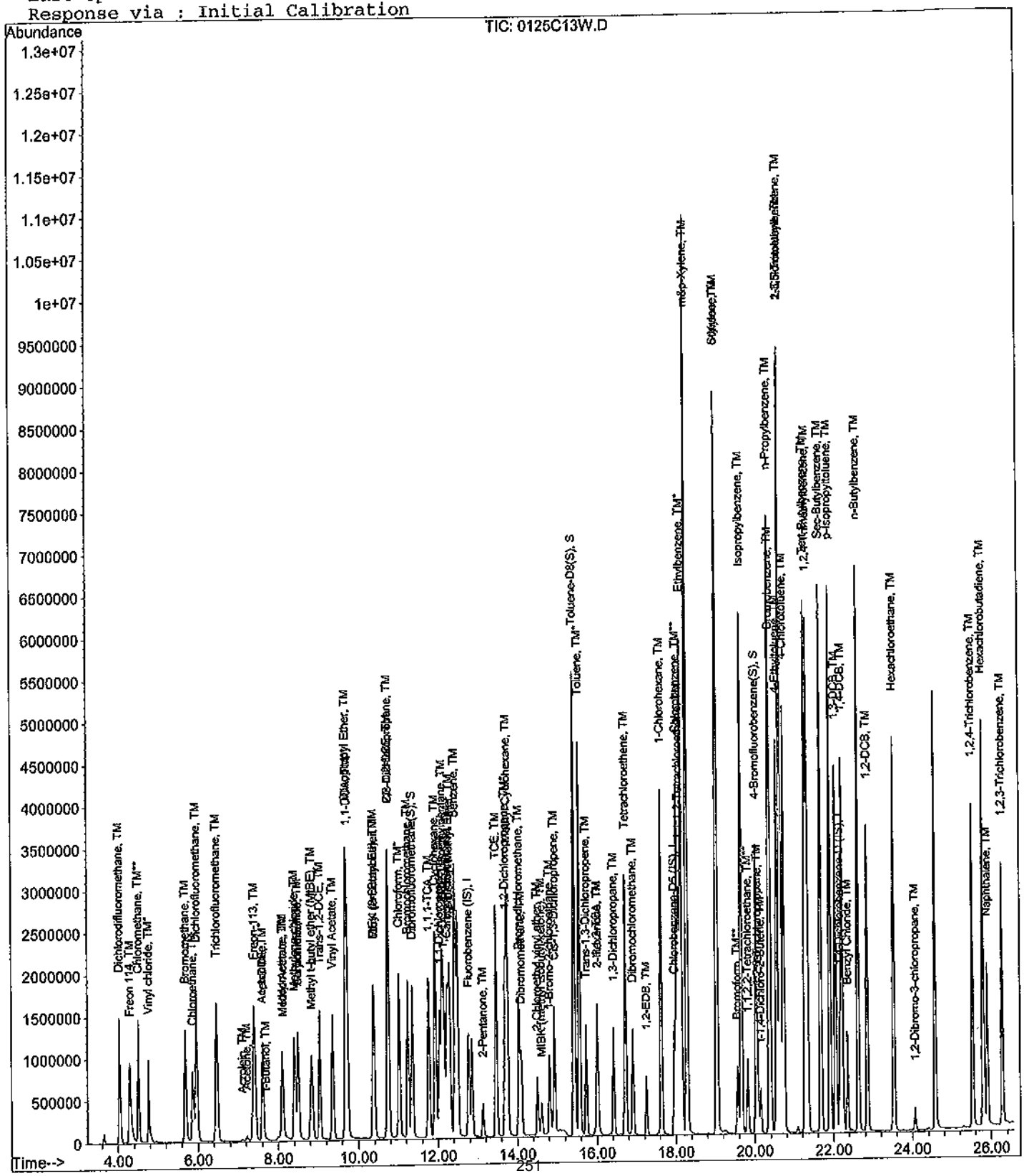
Quantitation Report

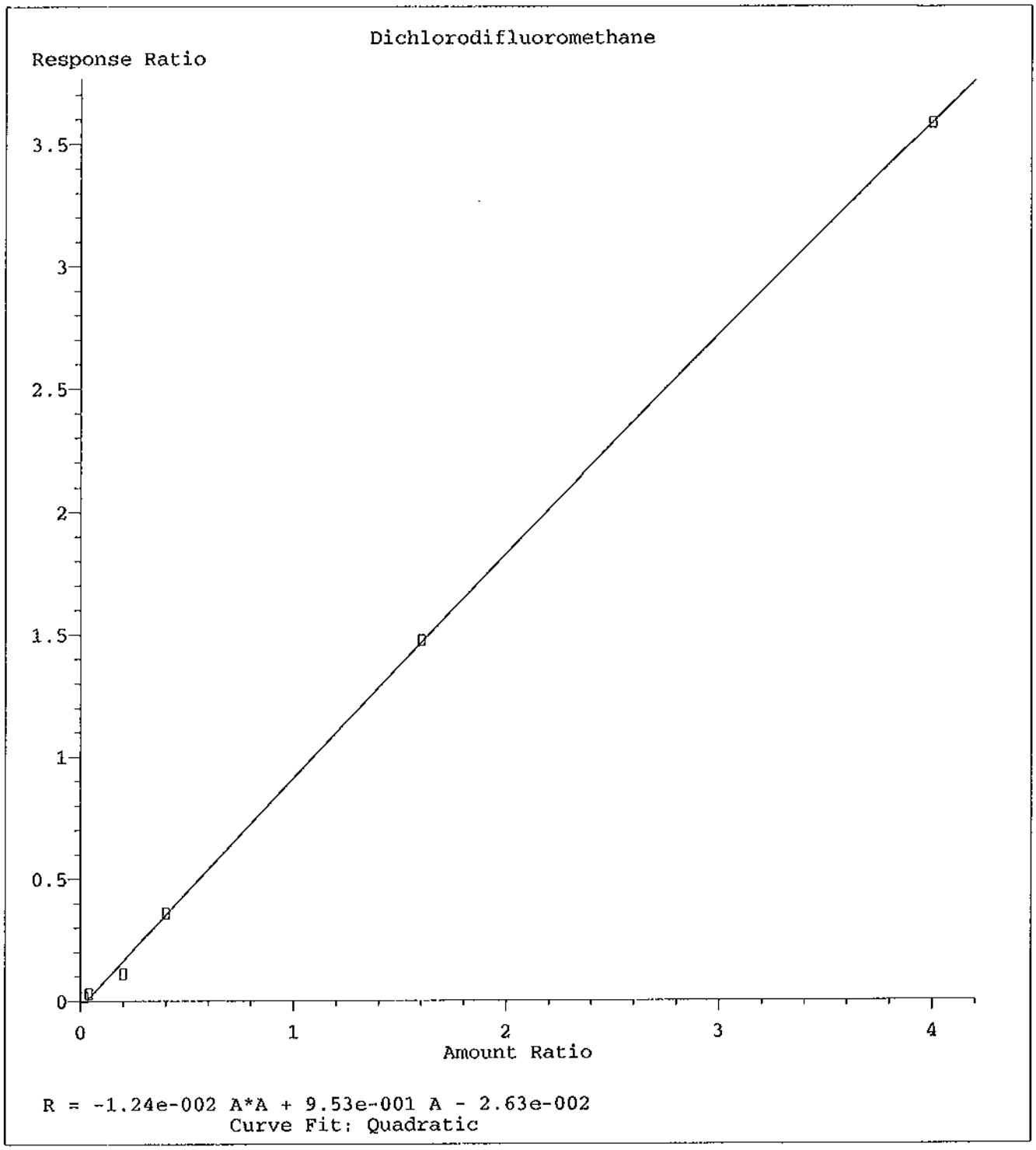
Data File : M:\CHICO\DATA\C120125\0125C13W.D
Acq On : 25 Jan 12 20:58
Sample : Vol. Std. 01-25-12@100ug/L
Misc : Water 10mLw/ IS&S:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

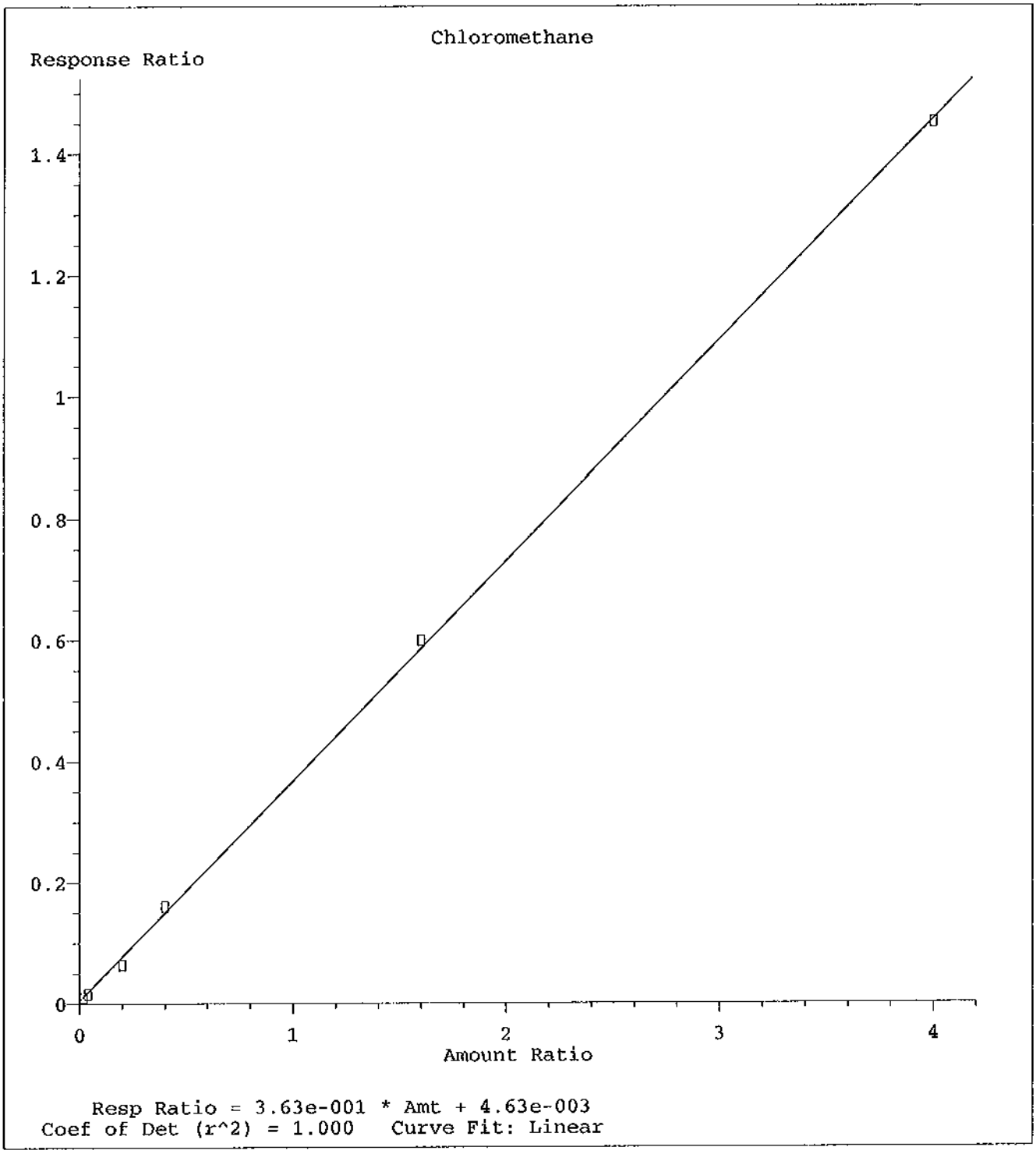
Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration

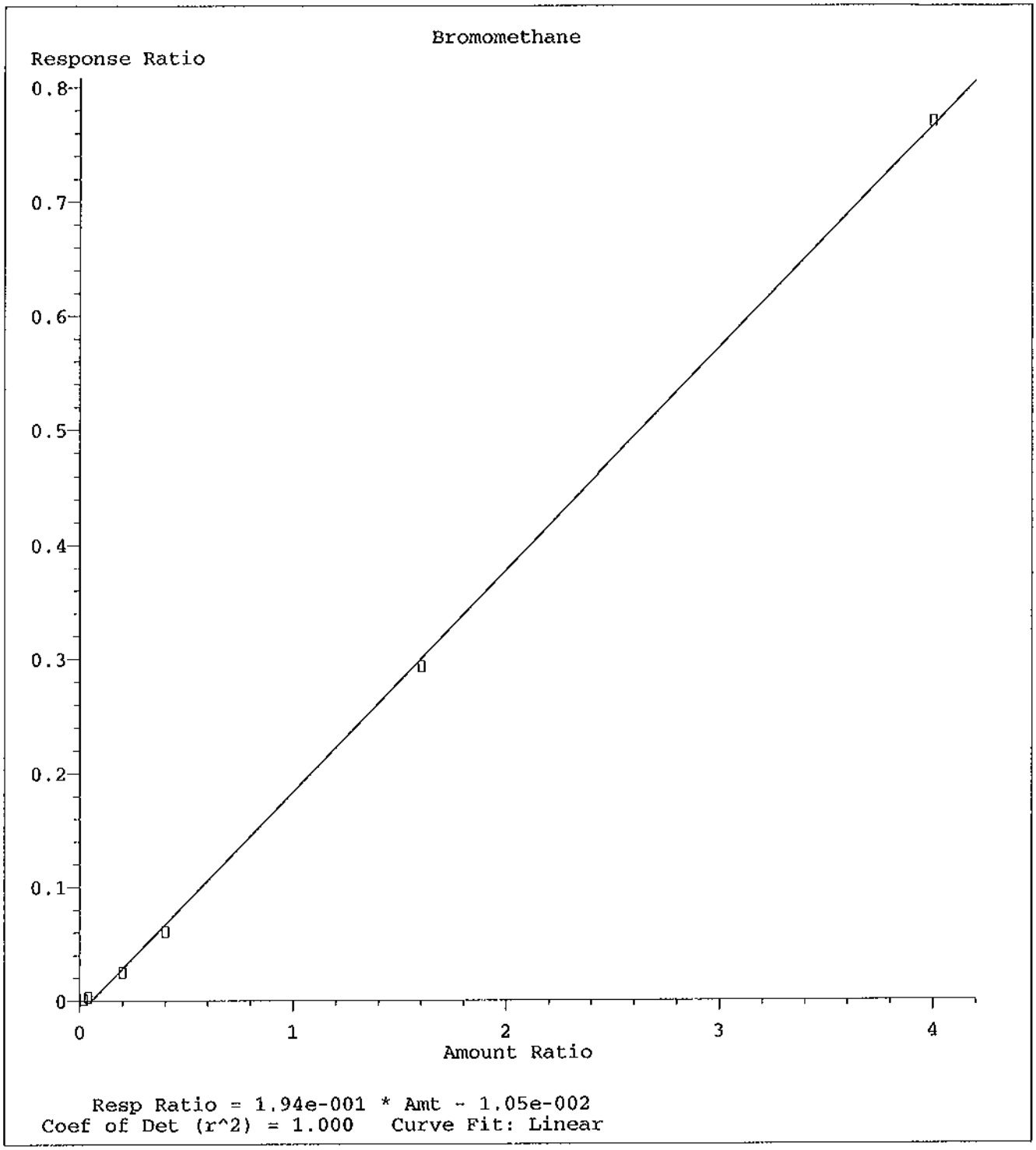




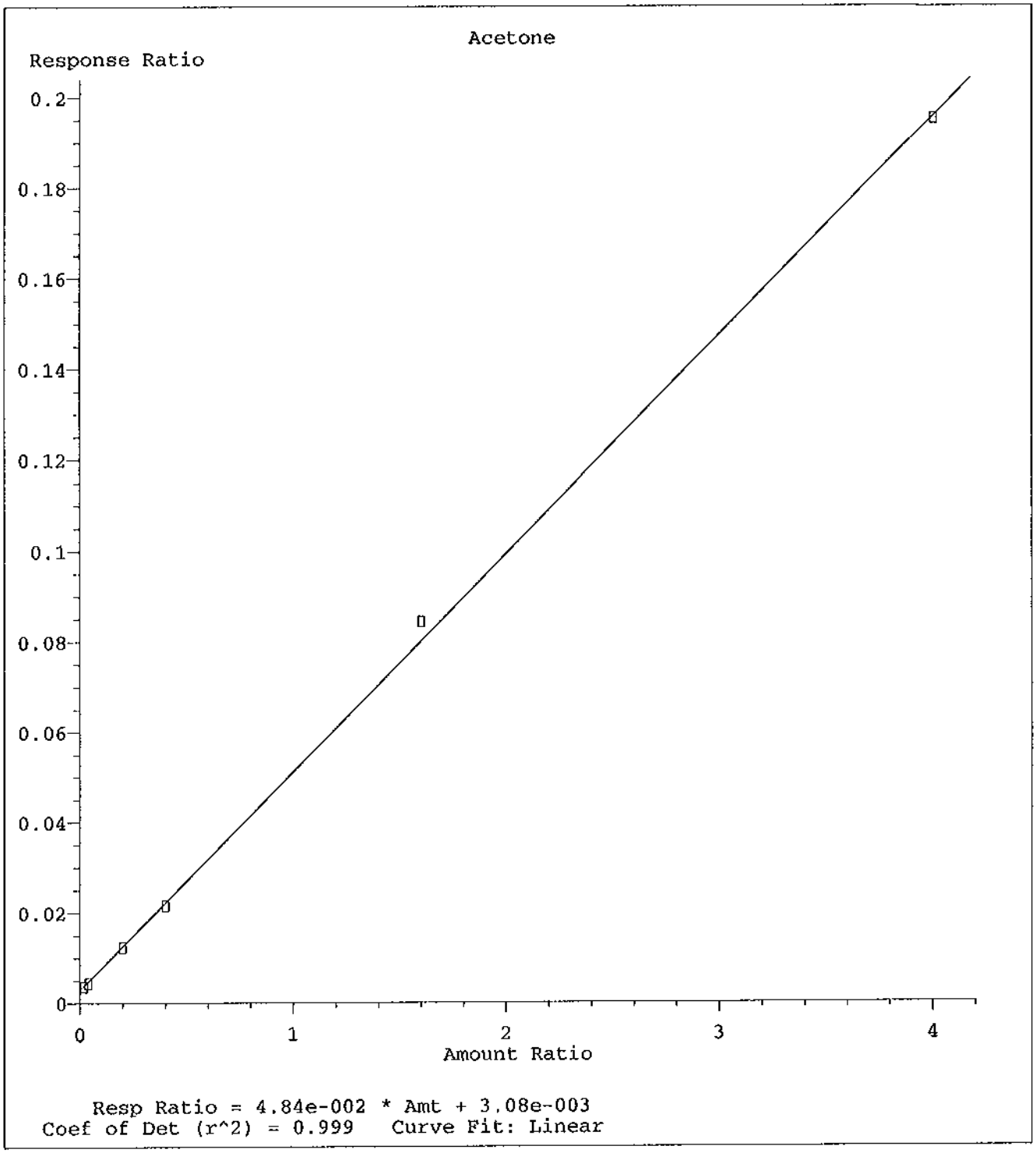
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



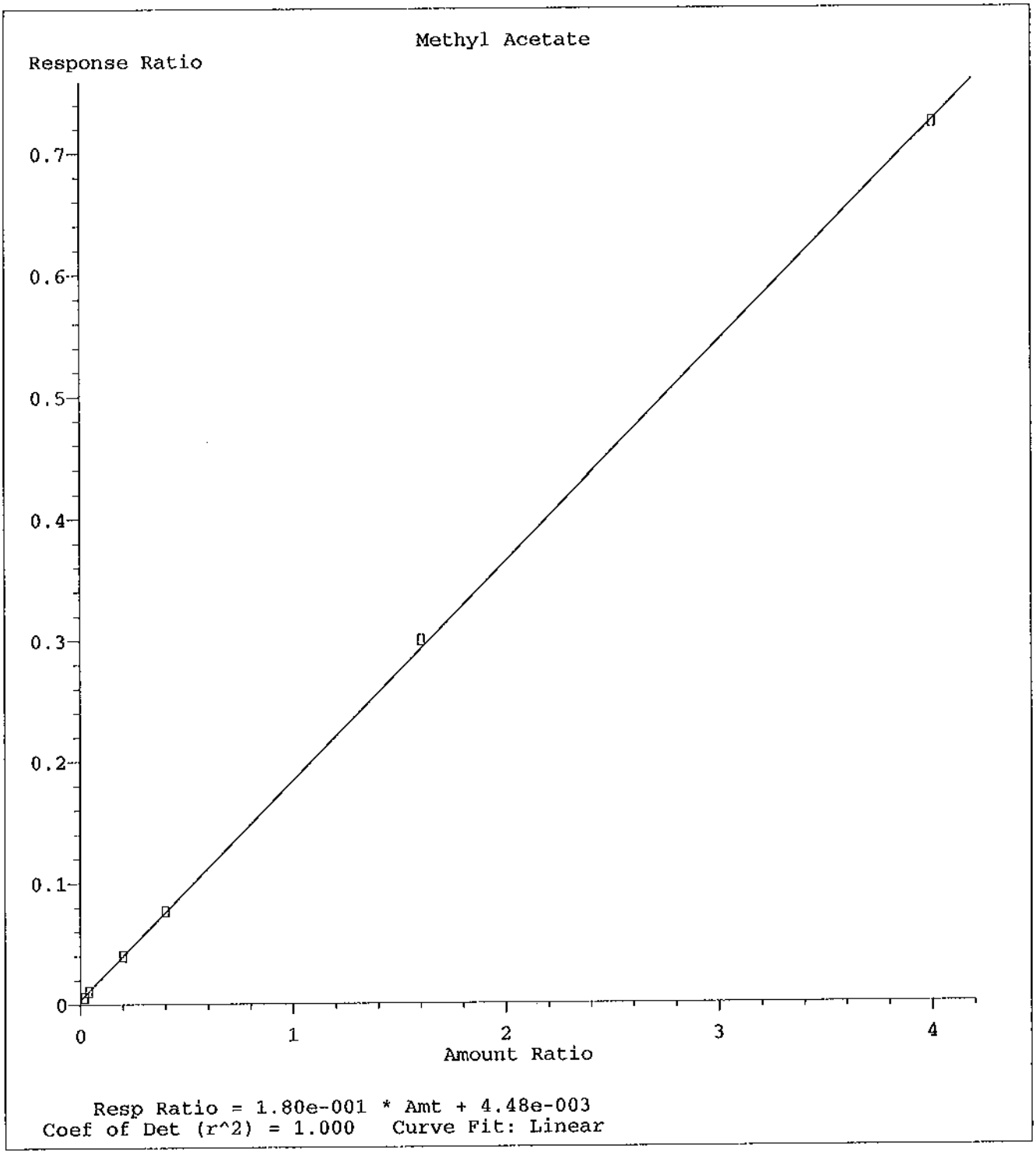
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



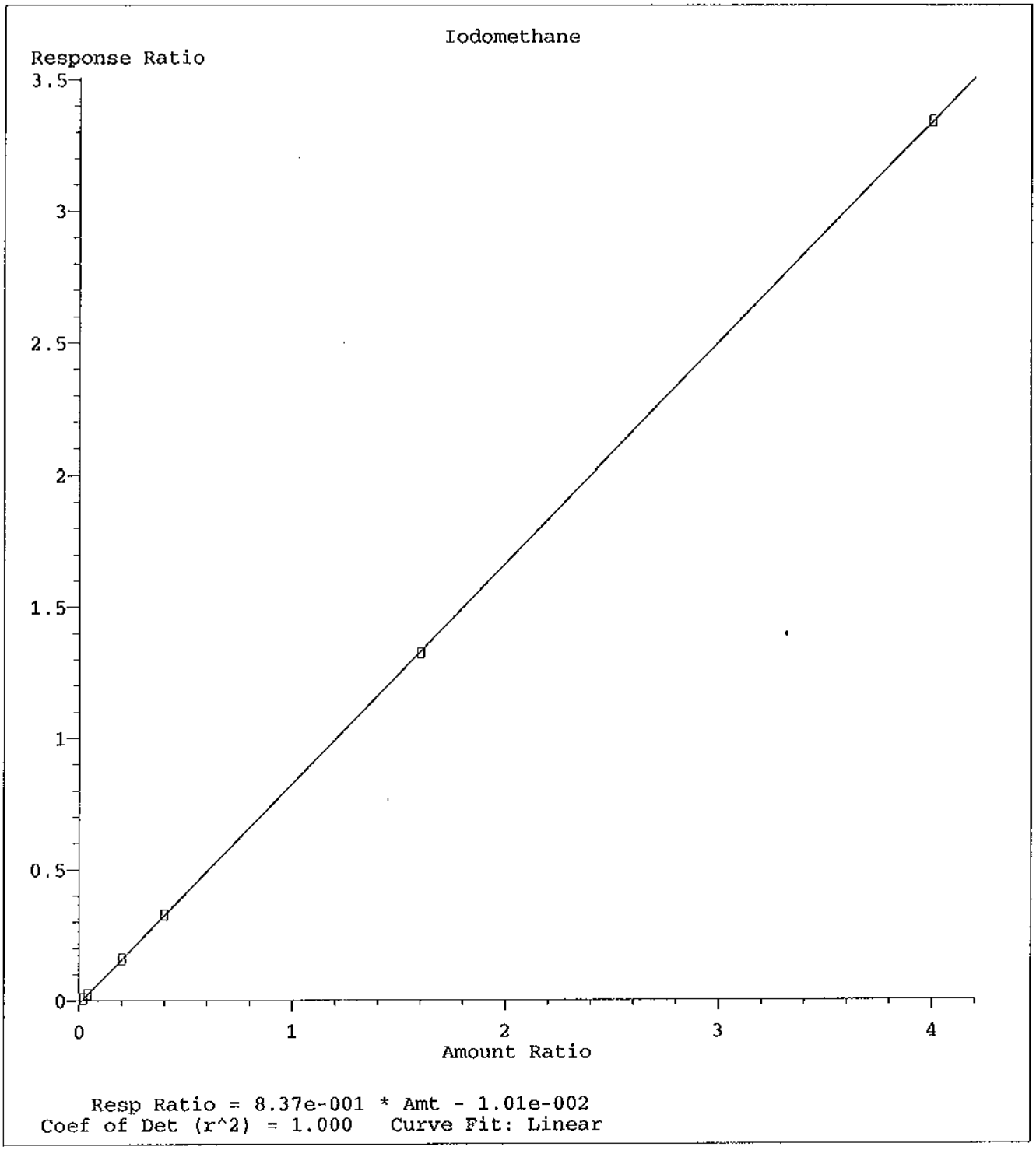
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



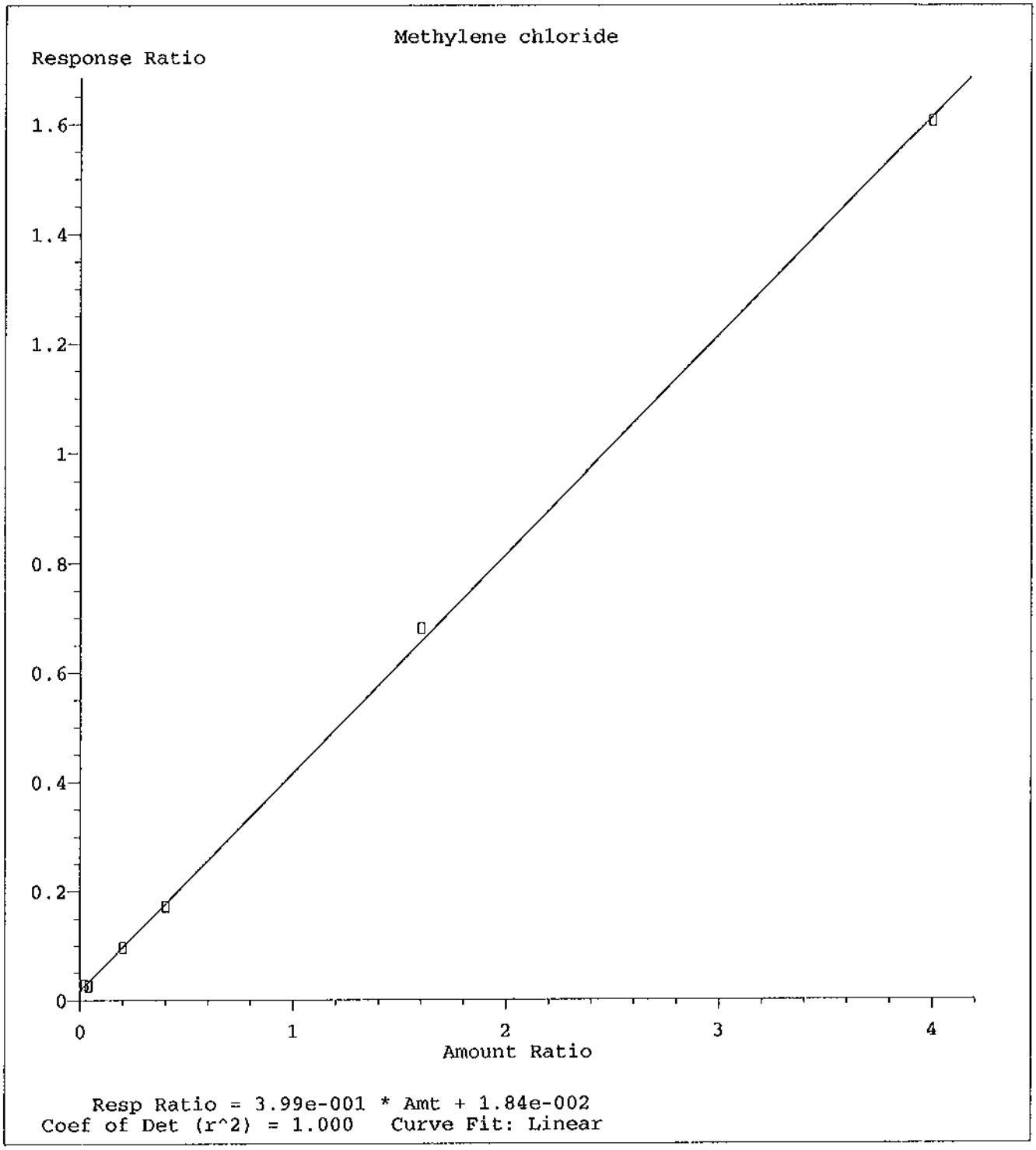
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



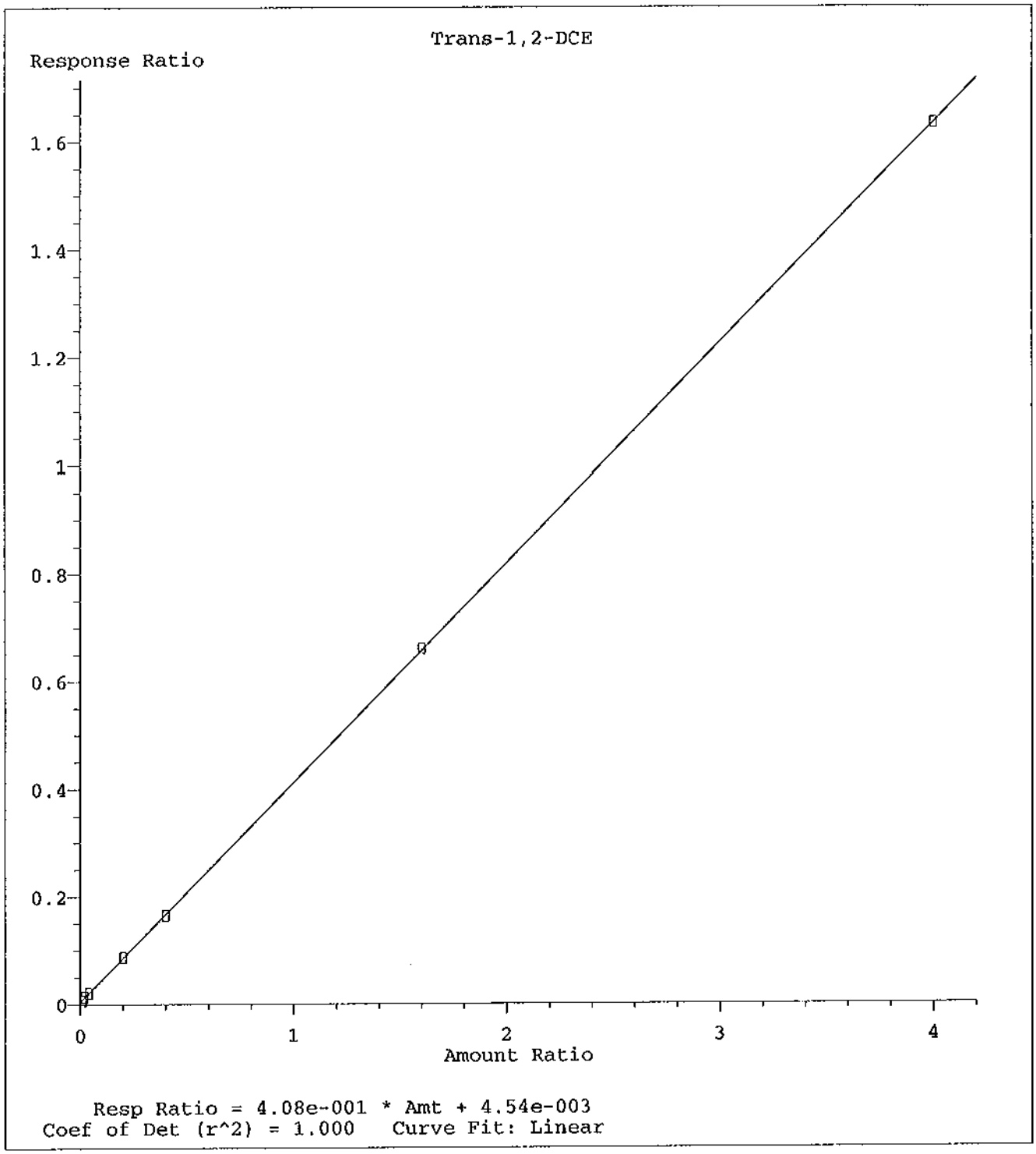
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



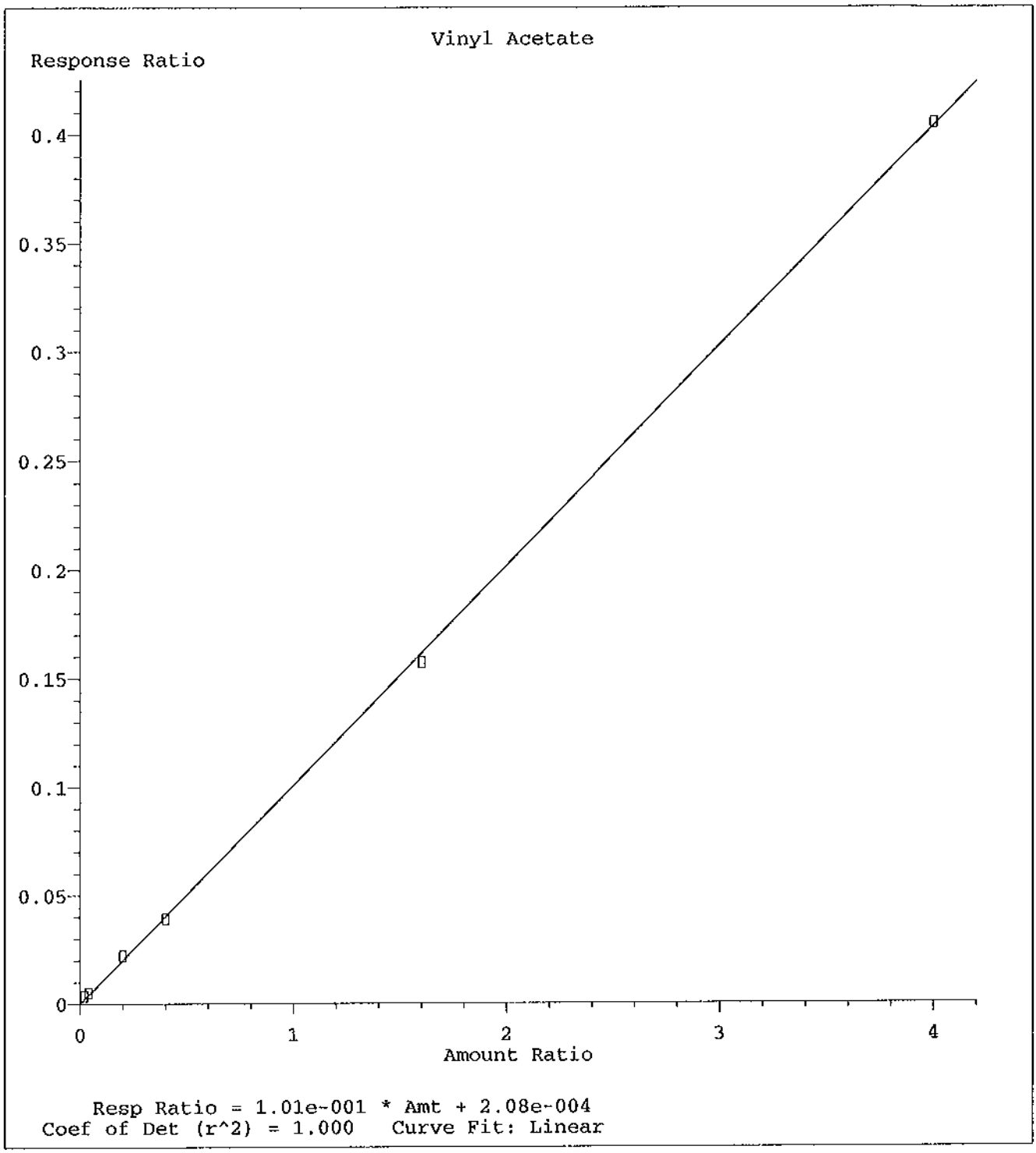
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



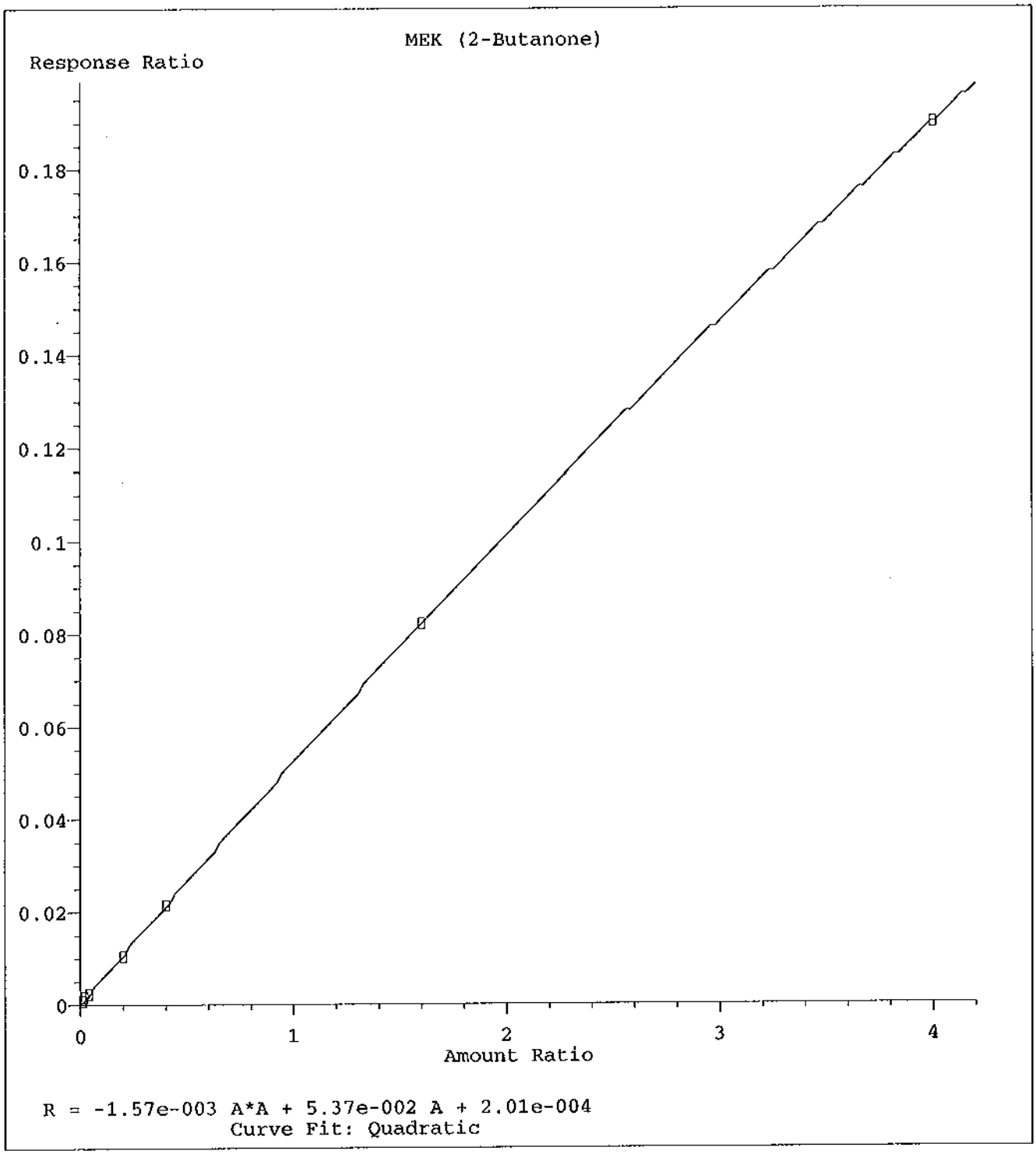
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



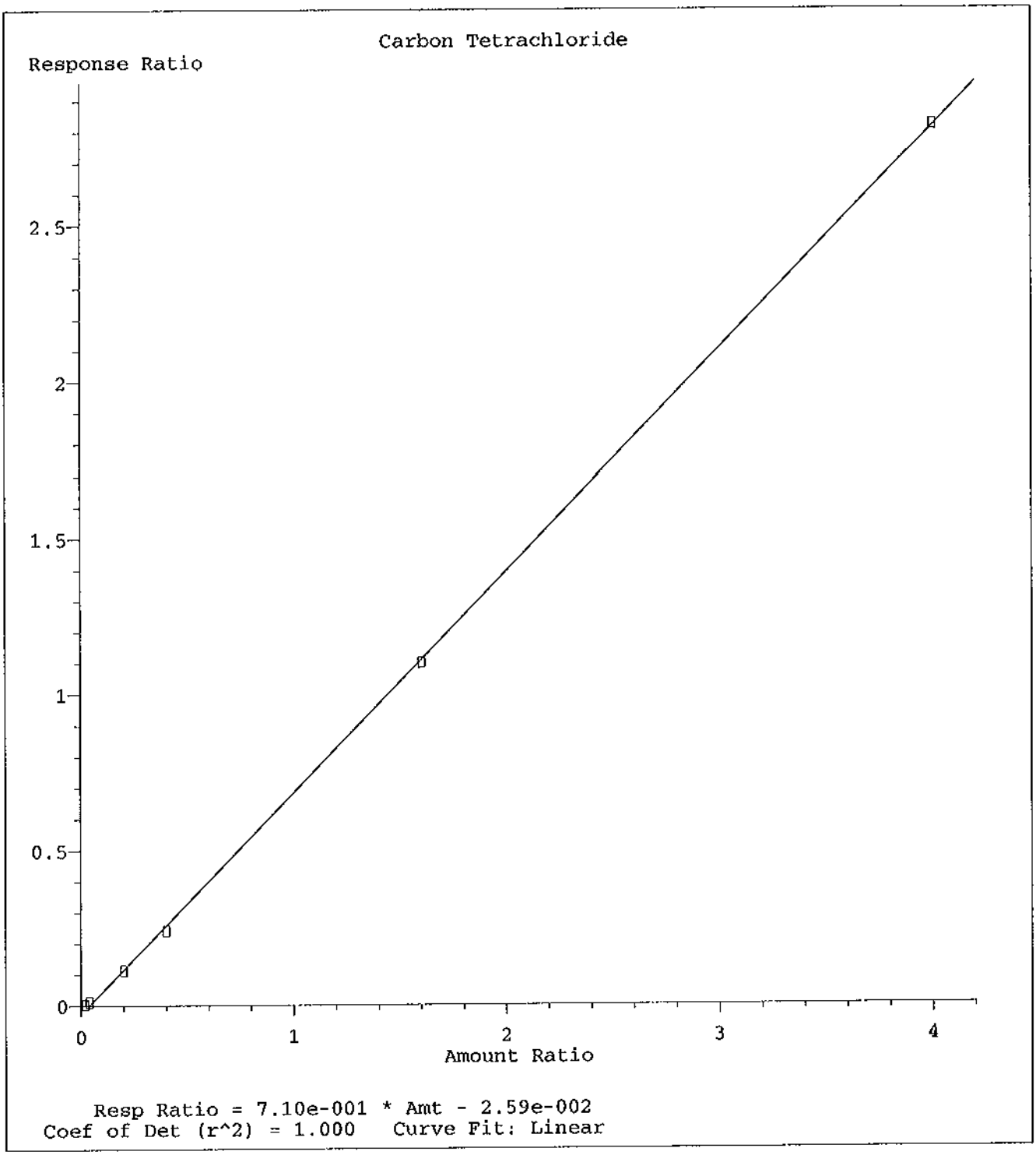
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



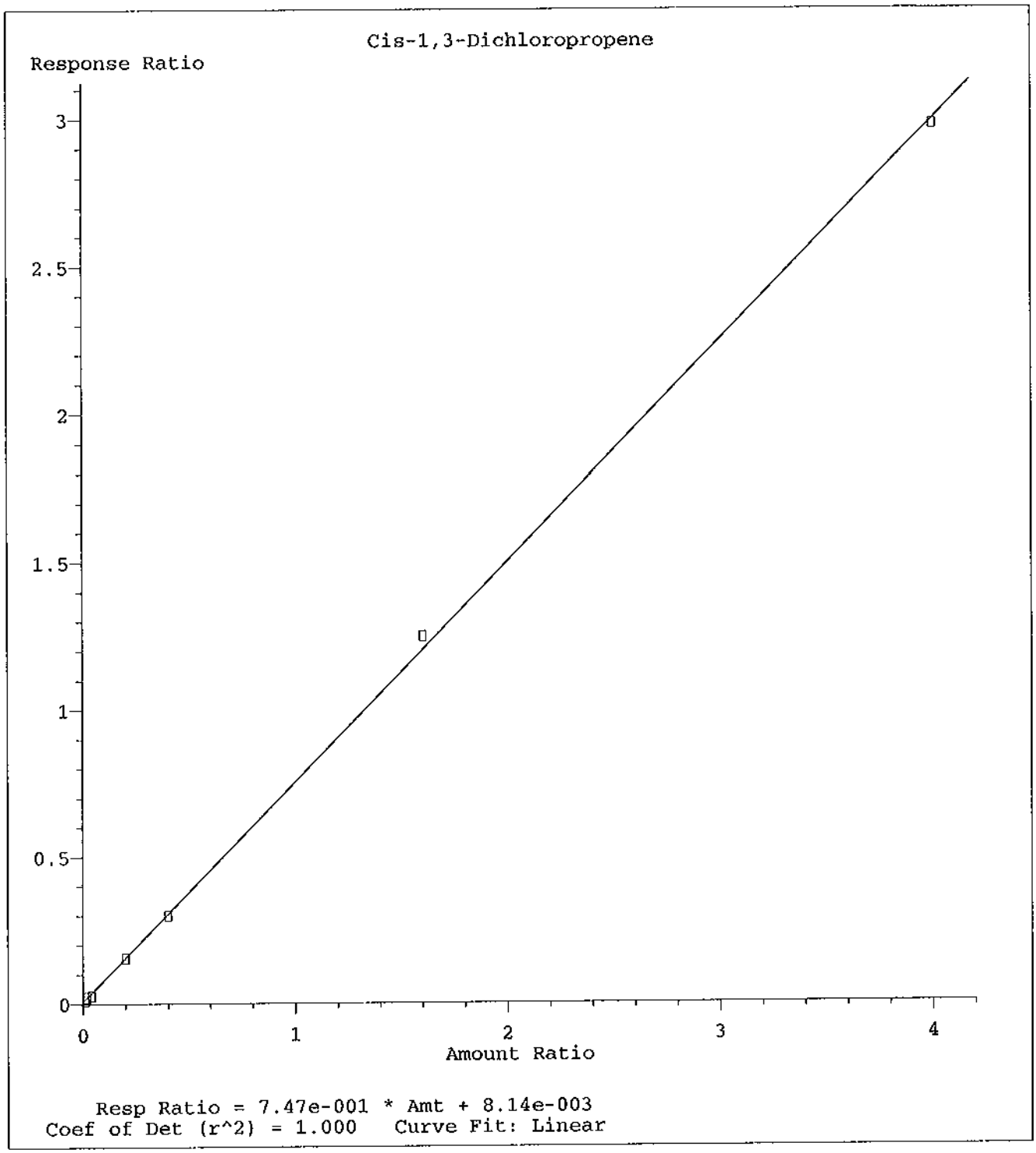
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



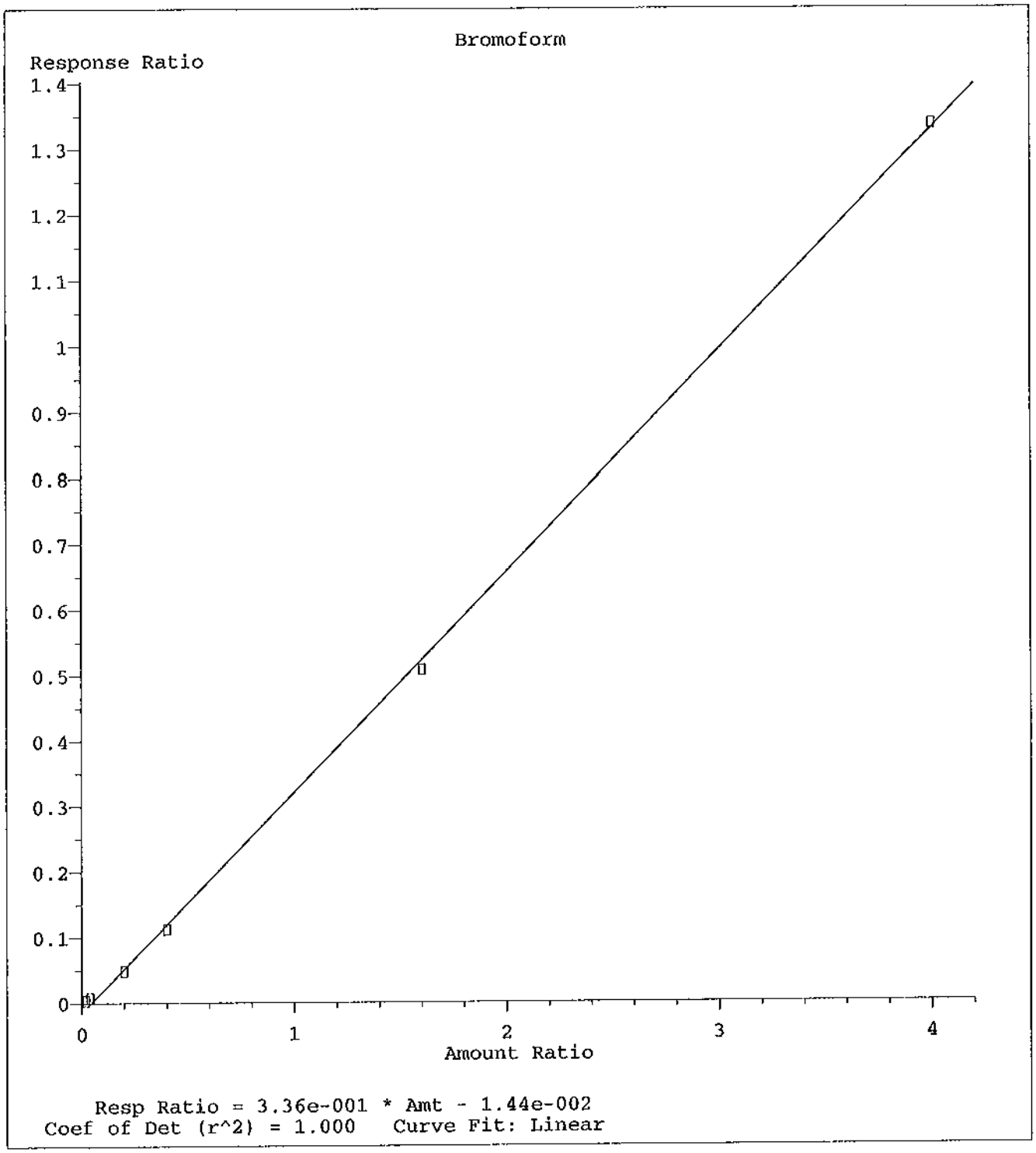
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



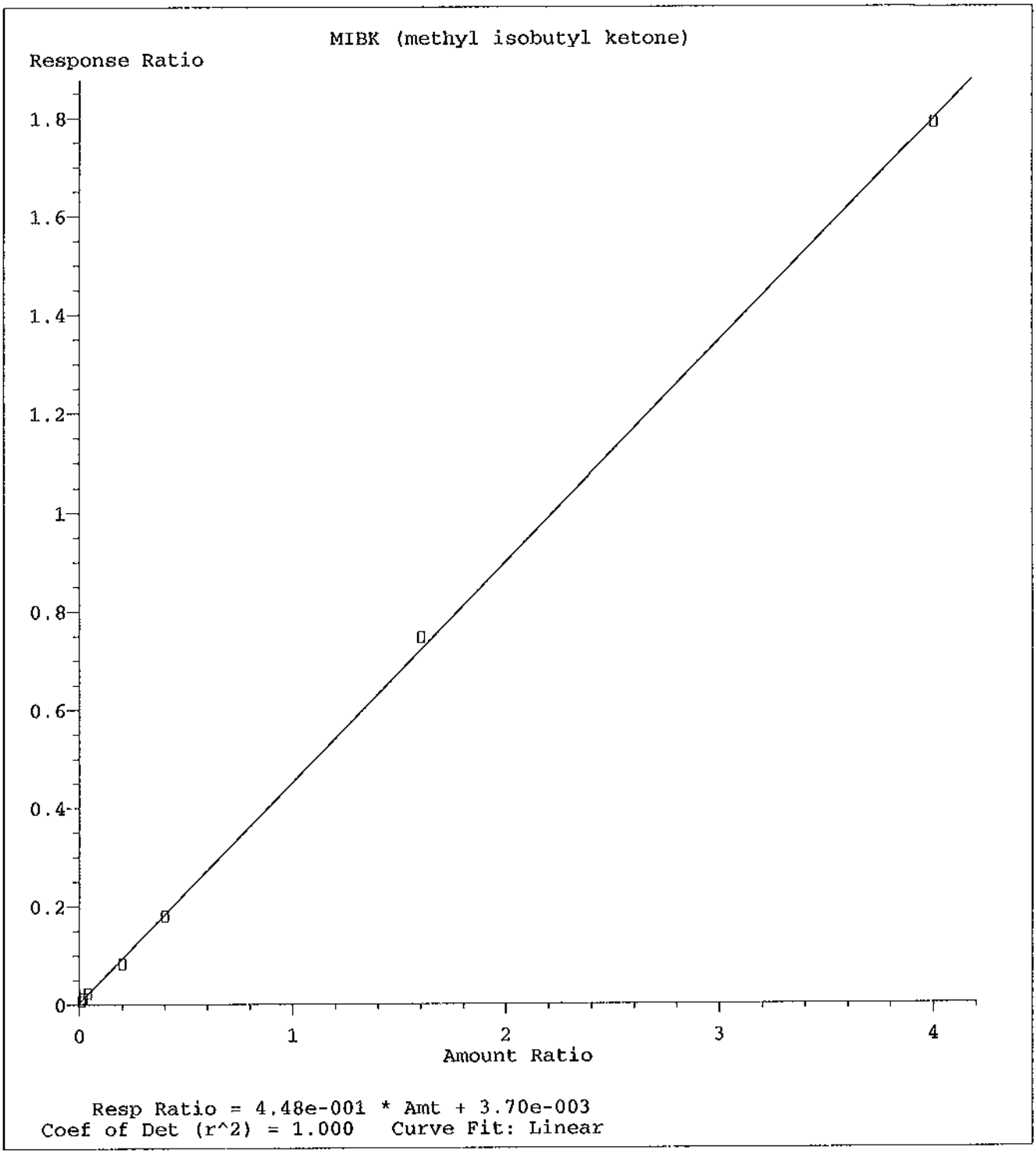
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



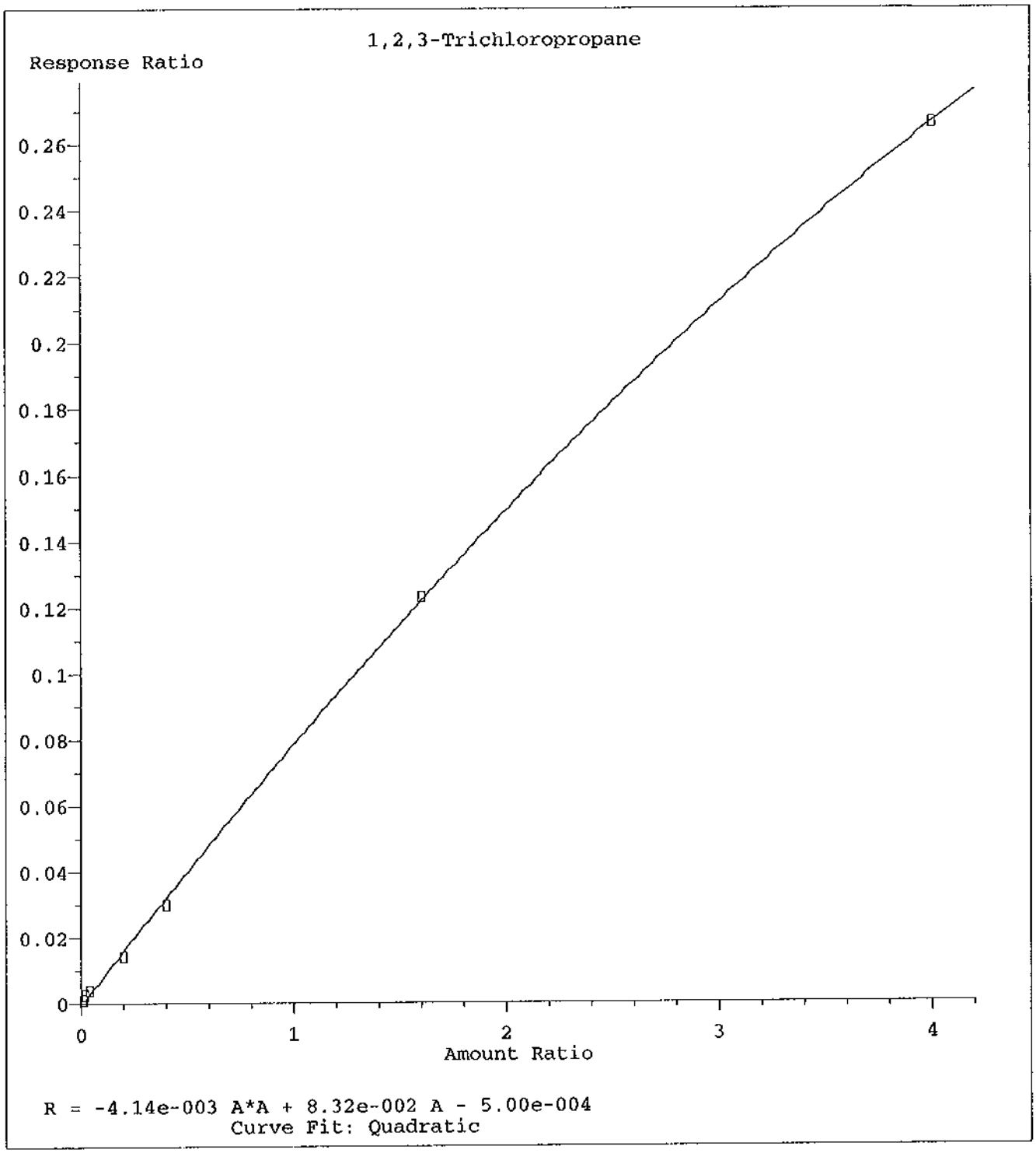
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



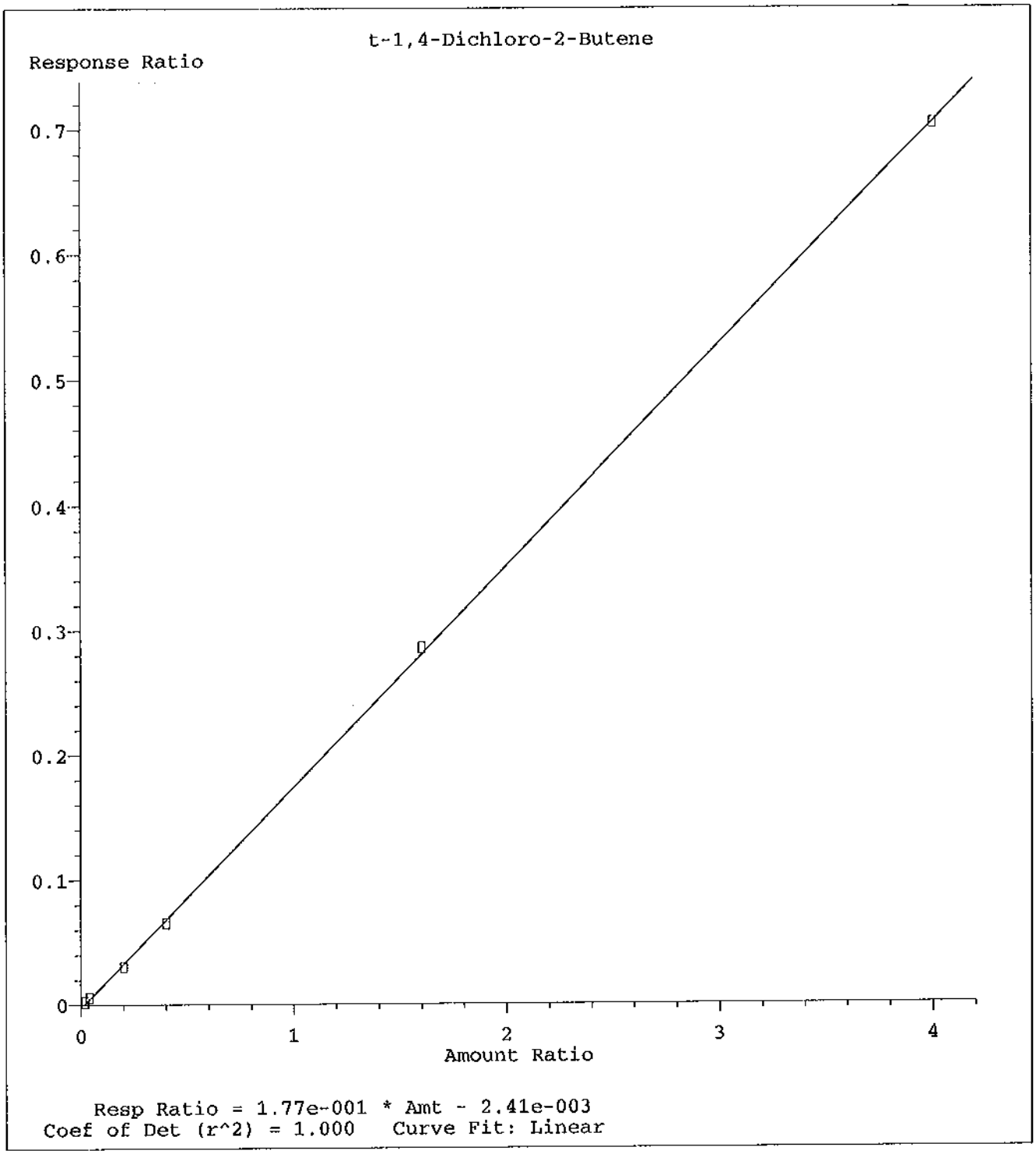
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



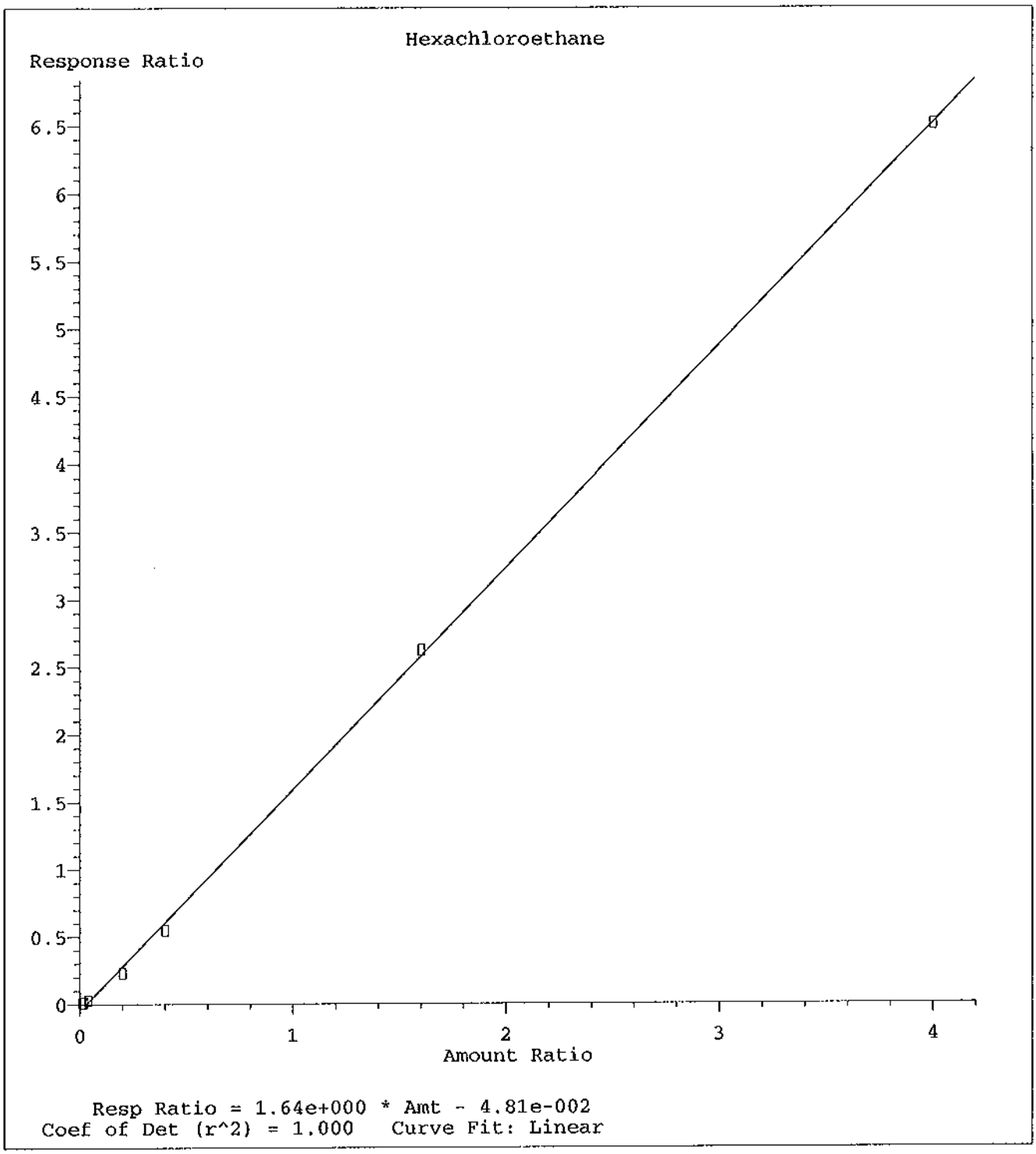
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



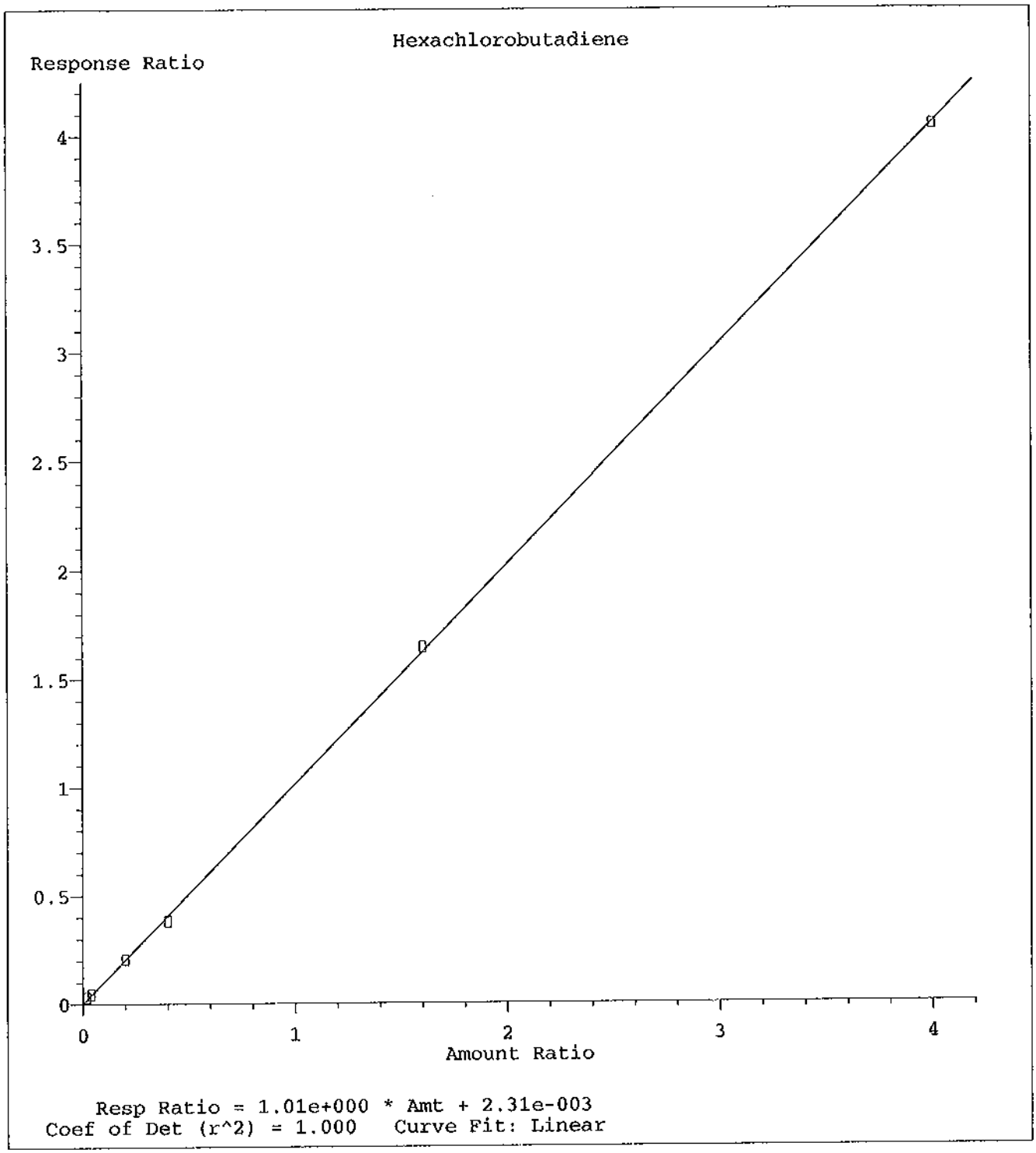
Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012



Method Name: M:\CHICO\DATA\C120125\CALLW.M
Calibration Table Last Updated: Fri Jan 27 12:42:43 2012

VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Initial Cal. Date: 01/25/12
Data File: 0127C03W.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMQ	Dichlorodifluoromethane	0.8036	0.8710	8.4	TMQ	1.2
3	TM	Freon 114	0.3816	0.4342	14	TM	
4	TM**L	Chloromethane	0.3944	0.3276	17	TM**L	13
5	TM*	Vinyl chloride	0.2792	0.3279	17	TM*	
6	TML	Bromomethane	0.1326	0.1812	37	TML	6.8
7	TM	Chloroethane	0.1950	0.2127	9.0	TM	
8	TM	Dichlorofluoromethane	1.427	1.731	21	TM	nt
9	TM	Trichlorofluoromethane	0.1879	0.1990	5.9	TM	
10		Acetonitrile	0.0265	0.0255	3.7		
11	TM	Acrolein	0.0056	0.0060	6.6	TM	
12	TML	Acetone	0.0843	0.0593	30	TML	6.7
13	TM	Freon-113	0.5770	0.6613	15	TM	
14	TM*	1,1-DCE	0.3650	0.3816	4.5	TM*	
15	TM	t-Butanol	0.0027	0.0028	2.9	TM	
16	TML	Methyl Acetate	0.2197	0.1844	16	TML	4.0
17	TML	Iodomethane	0.7035	0.9541	36	TML	17
18	TM	Acrylonitrile	0.0707	0.0803	13	TM	
19	TML	Methylene chloride	0.6292	0.4848	23	TML	10.0
20	TM	Carbon disulfide	0.3651	0.4008	9.8	TM	
21	TM	Methyl t-butyl ether (MtBE)	0.9185	0.9141	0.48	TM	
22	TML	Trans-1,2-DCE	0.4971	0.4899	1.5	TML	17
23	TM	Diisopropyl Ether	1.959	2.166	11	TM	
24	TM**	1,1-DCA	0.9869	1.147	16	TM**	
25	TML	Vinyl Acetate	0.1192	0.1166	2.2	TML	15
26	TM	Ethyl tert Butyl Ether	1.333	1.438	7.8	TM	
27	TMQ	MEK (2-Butanone)	0.0591	0.0508	14	TMQ	5.4
28	TM	Cis-1,2-DCE	0.6605	0.6997	5.9	TM	
29	TM	2,2-Dichloropropane	0.8246	0.9823	19	TM	
30	TM*	Chloroform	1.055	1.216	15	TM*	
31	TM	Bromochloromethane	0.2005	0.2375	18	TM	
32	S	Dibromofluoromethane(S)	0.6655	0.6963	4.6	S	
33	TM	1,1,1-TCA	0.9106	1.008	11	TM	
34	TM	Cyclohexane	0.8672	0.9719	12	TM	
35	TM	1,1-Dichloropropene	0.6274	0.6867	9.5	TM	
36	TM	2,2,4-Trimethylpentane	1.687	1.889	12	TM	
37	S	1,2-DCA-D4(S)	0.4802	0.4861	1.2	S	
38	TML	Carbon Tetrachloride	0.5100	0.6735	32	TML	4.0
39	TM	Tert Amyl Methyl Ether	1.052	1.099	4.5	TM	
40	TM	1,2-DCA	0.4450	0.4701	5.6	TM	
		Average			12.6		

VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Cal. Date: 01/25/12
Data File: 0127C03W.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	Benzene	2.084	2.313	11	TM	
42	TM	TCE	0.5755	0.6726	17	TM	
43	TM	2-Pentanone	0.1416	0.1470	3.8	TM	
44	TM*	1,2-Dichloropropane	0.5519	0.6142	11	TM*	
45	TM	Bromodichloromethane	0.6400	0.7276	14	TM	
46	TM	Methyl Cyclohexane	0.8032	0.9267	15	TM	
47	TM	Dibromomethane	0.2265	0.2522	11	TM	
48	TM	2-Chloroethyl vinyl ether	0.1699	0.1636	3.7	TM	
49	TM	1-Bromo-2-chloroethane	0.4727	0.5375	14	TM	
50	TML	Cis-1,3-Dichloropropene	0.8228	0.8062	2.0	TML	5.3
51	TM*	Toluene	2.447	2.850	16	TM*	
52	TM	Trans-1,3-Dichloropropene	0.5305	0.5816	9.6	TM	
53	TM	1,1,2-TCA	0.2518	0.2992	19	TM	
54	I	Chlorobenzene-D5 (IS)	ISTD			I	
55	S	Toluene-D8(S)	3.159	3.197	1.2	S	
56	TM	1,2-EDB	0.3722	0.3833	3.0	TM	
57	TM	Tetrachloroethene	0.6782	0.7842	16	TM	
58	TM	1-Chlorohexane	1.247	1.467	18	TM	
59	TM	1,1,1,2-Tetrachloroethane	0.7008	0.7727	10	TM	
60	TM	m&p-Xylene	1.479	1.699	15	TM	
61	TM	o-Xylene	1.469	1.646	12	TM	
62	TM	Styrene	2.195	2.463	12	TM	
63	S	4-Bromofluorobenzene(S)	1.104	1.061	3.9	S	
64	TM	2-Hexanone	0.1356	0.1443	6.4	TM	
65	TM	1,3-Dichloropropane	0.6848	0.7273	6.2	TM	
66	TM	Dibromochloromethane	0.4975	0.5364	7.8	TM	
67	TM**	Chlorobenzene	2.147	2.355	9.7	TM**	
68	TM*	Ethylbenzene	3.917	4.318	10	TM*	
69	TM**L	Bromoform	0.2588	0.2664	2.9	TM**L	10.0
70	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
71	TML	MIBK (methyl isobutyl ketone)	0.5081	0.4327	15	TML	5.6
72	TM	Isopropylbenzene	7.473	8.565	15	TM	
73	TM**	1,1,2,2-Tetrachloroethane	0.6903	0.7522	9.0	TM**	
74	TMQ	1,2,3-Trichloropropane	0.0858	0.0710	17	TMQ	12
75	TML	t-1,4-Dichloro-2-Butene	0.1544	0.1693	9.7	TML	0.94
76	TM	Bromobenzene	1.771	1.910	7.8	TM	
77	TM	n-Propylbenzene	9.296	10.3	11	TM	
78	TM	4-Ethyltoluene	5.400	6.047	12	TM	
79	TM	2-Chlorotoluene	5.883	6.460	9.8	TM	
80	TM	1,3,5-Trimethylbenzene	6.080	6.997	15	TM	
		Average			10.6		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Cal. Date: 01/25/12
Data File: 0127C03W.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	4-Chlorotoluene	5.216	5.606	7.5	TM	
82	TM	Tert-Butylbenzene	6.961	7.520	8.0	TM	
83	TM	1,2,4-Trimethylbenzene	6.045	6.910	14	TM	
84	TM	Sec-Butylbenzene	8.588	9.857	15	TM	
85	TM	p-Isopropyltoluene	6.897	7.881	14	TM	
86	TM	Benzyl Chloride	1.394	1.436	3.0	TM	
87	TM	1,3-DCB	3.488	3.833	9.9	TM	
88	TM	1,4-DCB	3.391	3.637	7.3	TM	
89	TML	Hexachloroethane	1.129	1.611	43	TML	5.4
90	TM	n-Butylbenzene	6.331	7.159	13	TM	
91	TM	1,2-DCB	2.924	3.099	6.0	TM	
92	TM	1,2-Dibromo-3-chloropropane	0.1063	0.1101	3.6	TM	
93	TM	1,2,4-Trichlorobenzene	0.8362	0.9793	17	TM	
94	TML	Hexachlorobutadiene	1.104	1.126	2.0	TML	11
95	TM	Naphthalene	2.501	2.758	10	TM	
96	TM	1,2,3-Trichlorobenzene	0.6724	0.7871	17	TM	
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			11.9		

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C03W.D Vial: 1
Acq On : 27 Jan 12 11:18 Operator: RS, ARS
Sample : 120127A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

$\frac{77896 \times 25}{593908 \times 0.2792} = 11.74$ SW 2-9-12

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.78	96	593908	25.00000 ppb		0.01
54) Chlorobenzene-D5 (IS)	17.98	117	495744	25.00000 ppb		0.01
70) 1,4-Dichlorobenzene-D (IS)	22.17	152	259520	25.00000 ppb		0.01
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.37	111	398968	25.23506 ppb		0.01
Spiked Amount 24.119			Recovery = 104.626%			
37) 1,2-DCA-D4(S)	12.17	65	264133	23.15566 ppb		0.01
Spiked Amount 22.874			Recovery = 101.232%			
55) Toluene-D8(S)	15.44	98	1569371	25.05070 ppb		0.01
Spiked Amount 24.755			Recovery = 101.195%			
63) 4-Bromofluorobenzene(S)	20.05	95	563187	25.72241 ppb		0.01
Spiked Amount 26.777			Recovery = 96.059%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.06	85	206927	9.88277 ppb		97
3) Freon 114	4.31	85	103140	11.37726 ppb		98
4) Chloromethane	4.52	50	77823	8.69892 ppb		99
5) Vinyl chloride	4.80	62	77896	11.74424 ppb		91
6) Bromomethane	5.69	94	43048	10.67648 ppb		88
7) Chloroethane	5.88	64	50525	10.90472 ppb		100
8) Dichlorofluoromethane	5.97	67	411111	12.12331 ppb		96
9) Trichlorofluoromethane	6.47	103	47280	10.59224 ppb		94
10) Acetonitrile	7.62	41	75817	120.35811 ug/l		100
11) Acrolein	7.11	56	17812	133.28685 ppb		98
12) Acetone	7.25	43	14083	10.66536 ppb	#	86
13) Freon-113	7.41	101	157093	11.45994 ppb		89
14) 1,1-DCE	7.63	96	90654	10.45368 ppb		84
15) t-Butanol	7.72	59	8384	128.65365 ppb	#	93
16) Methyl Acetate	8.15	43	43802	9.59877 ppb		97
17) Iodomethane	8.12	142	226666	11.70477 ppb		100
18) Acrylonitrile	8.52	53	19071	11.34711 ppb		90
19) Methylene chloride	8.43	84	115177	10.99920 ppb		91
20) Carbon disulfide	8.51	76	95216	10.97798 ppb		97
21) Methyl t-butyl ether (MtBE	8.84	73	217158	9.95162 ppb		97
22) Trans-1,2-DCE	9.05	96	116372	11.73985 ppb		99
23) Diisopropyl Ether	9.71	45	514646	11.05569 ppb		98
24) 1,1-DCA	9.73	63	272370	11.61695 ppb		98
25) Vinyl Acetate	9.38	43	27696	11.51451 ppb		98
26) Ethyl tert Butyl Ether	10.39	59	341509	10.78028 ppb		98
27) MEK (2-Butanone)	10.38	43	12060	9.46092 ppb		95
28) Cis-1,2-DCE	10.76	96	166222	10.59299 ppb		96
29) 2,2-Dichloropropane	10.76	77	233364	11.91211 ppb		100
30) Chloroform	11.04	83	288979	11.53354 ppb		98
31) Bromochloromethane	11.26	128	56430	11.84644 ppb		85
33) 1,1,1-TCA	11.79	97	239566	11.07452 ppb		98
34) Cyclohexane	11.94	56	230891	11.20729 ppb		94
35) 1,1-Dichloropropene	12.05	75	163135	10.94562 ppb		97
36) 2,2,4-Trimethylpentane	12.12	57	448745	11.20012 ppb		99
38) Carbon Tetrachloride	12.24	117	159990	10.39756 ppb		94
39) Tert Amyl Methyl Ether	12.30	73	260987	10.44579 ppb		95
40) 1,2-DCA	12.32	62	111671	10.56284 ppb		94
41) Benzene	12.44	78	549488	11.09682 ppb		97
42) TCE	13.48	95	159779	11.68668 ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C03W.D Vial: 1
Acq On : 27 Jan 12 11:18 Operator: RS, ARS
Sample : 120127A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.15	43	436494	129.75465	ppb		97
44)	1,2-Dichloropropane	13.71	63	145909	11.12942	ppb	#	96
45)	Bromodichloromethane	14.06	83	172853	11.36905	ppb		97
46)	Methyl Cyclohexane	13.76	83	220156	11.53752	ppb		100
47)	Dibromomethane	14.12	93	59909	11.13149	ppb		89
48)	2-Chloroethyl vinyl ether	14.52	63	38877	9.63187	ppb	#	89
49)	1-Bromo-2-chloroethane	14.82	63	127690	11.36993	ppb		86
50)	Cis-1,3-Dichloropropene	14.95	75	191518	10.52664	ppb		94
51)	Toluene	15.58	91	677066	11.64919	ppb		98
52)	Trans-1,3-Dichloropropene	15.74	75	138172	10.96313	ppb		98
53)	1,1,2-TCA	16.02	83	71071	11.88216	ppb		91
56)	1,2-EDB	17.27	107	76014	10.29867	ppb		98
57)	Tetrachloroethene	16.73	164	155497	11.56223	ppb		96
58)	1-Chlorohexane	17.65	91	290855	11.76186	ppb		99
59)	1,1,1,2-Tetrachloroethane	18.10	131	153219	11.02555	ppb		89
60)	m&p-Xylene	18.30	106	674004	22.97781	ppb		96
61)	o-Xylene	19.04	106	326383	11.20392	ppb		90
62)	Styrene	19.06	104	488478	11.22216	ppb		96
64)	2-Hexanone	16.05	43	28607	10.63893	ppb		94
65)	1,3-Dichloropropane	16.44	76	144224	10.62053	ppb		99
66)	Dibromochloromethane	16.91	129	106363	10.78241	ppb		97
67)	Chlorobenzene	18.04	112	466961	10.96896	ppb		98
68)	Ethylbenzene	18.15	91	856272	11.02266	ppb		100
69)	Bromoform	19.57	173	52823	9.00017	ppb		89
71)	MIBK (methyl isobutyl keto	14.62	43	44915	9.44253	ppb	#	82
72)	Isopropylbenzene	19.67	105	889090	11.46103	ppb		98
73)	1,1,2,2-Tetrachloroethane	19.83	83	78084	10.89728	ppb		97
74)	1,2,3-Trichloropropane	20.09	110	7370	8.83575	ppb		100
75)	t-1,4-Dichloro-2-Butene	20.16	53	17579	9.90566	ppb	#	73
76)	Bromobenzene	20.40	156	198279	10.78428	ppb		97
77)	n-Propylbenzene	20.38	91	1071977	11.10819	ppb		98
78)	4-Ethyltoluene	20.58	105	627697	11.19677	ppb		98
79)	2-Chlorotoluene	20.68	91	670568	10.98117	ppb		99
80)	1,3,5-Trimethylbenzene	20.65	105	726307	11.50731	ppb		98
81)	4-Chlorotoluene	20.75	91	581979	10.74791	ppb		94
82)	Tert-Butylbenzene	21.29	119	780643	10.80242	ppb		98
83)	1,2,4-Trimethylbenzene	21.35	105	717360	11.43124	ppb		99
84)	Sec-Butylbenzene	21.69	105	1023256	11.47728	ppb		99
85)	p-Isopropyltoluene	21.92	119	818160	11.42699	ppb		98
86)	Benzyl Chloride	22.37	91	149105	10.30196	ppb		99
87)	1,3-DCB	22.07	146	397923	10.98919	ppb		97
88)	1,4-DCB	22.23	146	377598	10.72613	ppb		99
89)	Hexachloroethane	23.54	117	167277	10.54410	ppb		98
90)	n-Butylbenzene	22.64	91	743128	11.30769	ppb		99
91)	1,2-DCB	22.86	146	321677	10.59693	ppb		97
92)	1,2-Dibromo-3-chloropropan	24.08	155	11432	10.36081	ppb		76
93)	1,2,4-Trichlorobenzene	25.53	180	101656	11.71079	ppb		98
94)	Hexachlorobutadiene	25.77	223	116891	11.06348	ppb		96
95)	Naphthalene	25.88	128	286286	11.02681	ppb		97
96)	1,2,3-Trichlorobenzene	26.24	180	81708	11.70539	ppb		97

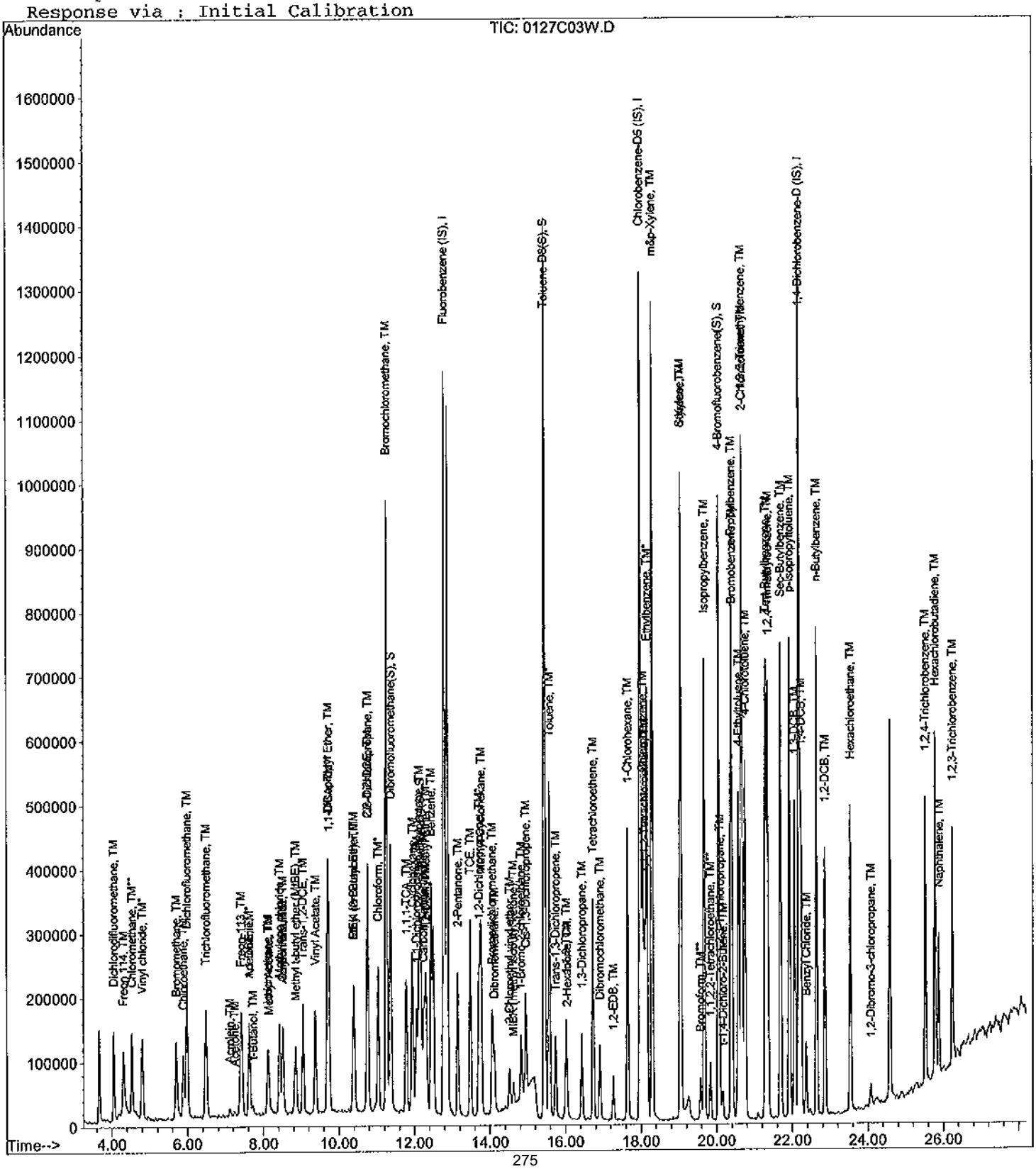
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C03W.D Vial: 1
Acq On : 27 Jan 12 11:18 Operator: RS, ARS
Sample : 120127A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Date Analyzed: 01/27/12
Matrix: Instrument: Chico
Initial Cal. Date: 01/25/12
Data File: 0127C02W.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMQ	Dichlorodifluoromethane	0.8036	0.8653	7.7	TMQ	1.8
3	TM	Freon 114	0.3816	0.4076	6.8	TM	
4	TM**L	Chloromethane	0.3944	0.3065	22	TM**L	19
5	TM*	Vinyl chloride	0.2792	0.3029	8.5	TM*	
6	TML	Bromomethane	0.1326	0.1810	36	TML	6.7
7	TM	Chloroethane	0.1950	0.2111	8.2	TM	
8	TM	Dichlorofluoromethane	1.427	1.738	22	TM	nt
9	TM	Trichlorofluoromethane	0.1879	0.2075	10	TM	
10		Acetonitrile	0.0265	0.0294	11		
11	TM	Acrolein	0.0056	0.0067	20	TM	
12	TML	Acetone	0.0843	0.0583	31	TML	4.6
13	TM	Freon-113	0.5770	0.6256	8.4	TM	
14	TM*	1,1-DCE	0.3650	0.3607	1.2	TM*	
15	TM	t-Butanol	0.0027	0.0025	7.9	TM	
16	TML	Methyl Acetate	0.2197	0.1850	16	TML	3.7
17	TML	Iodomethane	0.7035	0.9295	32	TML	14
18	TM	Acrylonitrile	0.0707	0.0792	12	TM	
19	TML	Methylene chloride	0.6292	0.5041	20	TML	15
20	TM	Carbon disulfide	0.3651	0.3849	5.4	TM	
21	TM	Methyl t-butyl ether (MtBE)	0.9185	0.9439	2.8	TM	
22	TML	Trans-1,2-DCE	0.4971	0.4594	7.6	TML	9.9
23	TM	Diisopropyl Ether	1.959	2.185	12	TM	
24	TM**	1,1-DCA	0.9869	1.144	16	TM**	
25	TML	Vinyl Acetate	0.1192	0.1077	9.6	TML	6.3
26	TM	Ethyl tert Butyl Ether	1.333	1.414	6.0	TM	
27	TMQ	MEK (2-Butanone)	0.0591	0.0579	2.1	TMQ	8.2
28	TM	Cis-1,2-DCE	0.6605	0.7343	11	TM	
29	TM	2,2-Dichloropropane	0.8246	1.014	23	TM	nt
30	TM*	Chloroform	1.055	1.212	15	TM*	
31	TM	Bromochloromethane	0.2005	0.2388	19	TM	
32	S	Dibromofluoromethane(S)	0.6655	0.6939	4.3	S	
33	TM	1,1,1-TCA	0.9106	1.004	10	TM	
34	TM	Cyclohexane	0.8672	0.9048	4.3	TM	
35	TM	1,1-Dichloropropene	0.6274	0.6703	6.8	TM	
36	TM	2,2,4-Trimethylpentane	1.687	1.737	3.0	TM	
37	S	1,2-DCA-D4(S)	0.4802	0.5075	5.7	S	
38	TML	Carbon Tetrachloride	0.5100	0.6407	26	TML	0.64
39	TM	Tert Amyl Methyl Ether	1.052	1.095	4.1	TM	
40	TM	1,2-DCA	0.4450	0.4855	9.1	TM	
		Average			12.4		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Cal. Date: 01/25/12
Data File: 0127C02W.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	Benzene	2.084	2.356	13	TM	
42	TM	TCE	0.5755	0.6880	20	TM	
43	TM	2-Pentanone	0.1416	0.1490	5.2	TM	
44	TM*	1,2-Dichloropropane	0.5519	0.6329	15	TM*	
45	TM	Bromodichloromethane	0.6400	0.7263	13	TM	
46	TM	Methyl Cyclohexane	0.8032	0.8578	6.8	TM	
47	TM	Dibromomethane	0.2265	0.2507	11	TM	
48	TM	2-Chloroethyl vinyl ether	0.1699	0.1618	4.7	TM	
49	TM	1-Bromo-2-chloroethane	0.4727	0.5273	12	TM	
50	TML	Cis-1,3-Dichloropropene	0.8228	0.8418	2.3	TML	10
51	TM*	Toluene	2.447	2.859	17	TM*	
52	TM	Trans-1,3-Dichloropropene	0.5305	0.5879	11	TM	
53	TM	1,1,2-TCA	0.2518	0.2942	17	TM	
54	I	Chlorobenzene-D5 (IS)	ISTD			I	
55	S	Toluene-D8(S)	3.159	3.395	7.4	S	
56	TM	1,2-EDB	0.3722	0.4083	9.7	TM	
57	TM	Tetrachloroethene	0.6782	0.7881	16	TM	
58	TM	1-Chlorohexane	1.247	1.468	18	TM	
59	TM	1,1,1,2-Tetrachloroethane	0.7008	0.8113	16	TM	
60	TM	m&p-Xylene	1.479	1.726	17	TM	
61	TM	o-Xylene	1.469	1.728	18	TM	
62	TM	Styrene	2.195	2.559	17	TM	
63	S	4-Bromofluorobenzene(S)	1.104	1.115	1.0	S	
64	TM	2-Hexanone	0.1356	0.1520	12	TM	
65	TM	1,3-Dichloropropane	0.6848	0.7315	6.8	TM	
66	TM	Dibromochloromethane	0.4975	0.5625	13	TM	
67	TM**	Chlorobenzene	2.147	2.440	14	TM**	
68	TM*	Ethylbenzene	3.917	4.441	13	TM*	
69	TM**L	Bromoform	0.2588	0.2808	8.5	TM**L	5.7
70	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
71	TML	MIBK (methyl isobutyl ketone)	0.5081	0.4414	13	TML	3.6
72	TM	Isopropylbenzene	7.473	8.535	14	TM	
73	TM**	1,1,2,2-Tetrachloroethane	0.6903	0.7635	11	TM**	
74	TMQ	1,2,3-Trichloropropane	0.0858	0.0740	14	TMQ	7.9
75	TML	t-1,4-Dichloro-2-Butene	0.1544	0.1552	0.53	TML	8.9
76	TM	Bromobenzene	1.771	1.903	7.5	TM	
77	TM	n-Propylbenzene	9.296	10.3	10	TM	
78	TM	4-Ethyltoluene	5.400	6.023	12	TM	
79	TM	2-Chlorotoluene	5.883	6.436	9.4	TM	
80	TM	1,3,5-Trimethylbenzene	6.080	6.922	14	TM	
		Average			11.6		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Cal. Date: 01/25/12
Data File: 0127C02W.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	4-Chlorotoluene	5.216	5.565	6.7	TM	
82	TM	Tert-Butylbenzene	6.961	7.367	5.8	TM	
83	TM	1,2,4-Trimethylbenzene	6.045	6.793	12	TM	
84	TM	Sec-Butylbenzene	8.588	9.628	12	TM	
85	TM	p-Isopropyltoluene	6.897	7.827	13	TM	
86	TM	Benzyl Chloride	1.394	1.426	2.3	TM	
87	TM	1,3-DCB	3.488	3.872	11	TM	
88	TM	1,4-DCB	3.391	3.621	6.8	TM	
89	TML	Hexachloroethane	1.129	1.541	37	TML	1.2
90	TM	n-Butylbenzene	6.331	7.029	11	TM	
91	TM	1,2-DCB	2.924	3.050	4.3	TM	
92	TM	1,2-Dibromo-3-chloropropane	0.1063	0.1036	2.6	TM	
93	TM	1,2,4-Trichlorobenzene	0.8362	1.005	20	TM	
94	TML	Hexachlorobutadiene	1.104	1.152	4.3	TML	13
95	TM	Naphthalene	2.501	2.778	11	TM	
96	TM	1,2,3-Trichlorobenzene	0.6724	0.7760	15	TM	
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			10.9		

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C02W.D Vial: 1
Acq On : 27 Jan 12 10:41 Operator: RS, ARS
Sample : 10ug/L Vol Std 01-27-12 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	12.78	96	578666	25.00000	ppb		0.01
54) Chlorobenzene-D5 (IS)	17.98	117	469312	25.00000	ppb		0.01
70) 1,4-Dichlorobenzene-D (IS)	22.17	152	257152	25.00000	ppb		0.01
System Monitoring Compounds							
32) Dibromofluoromethane(S)	11.36	111	387371	25.14691	ppb		0.00
Spiked Amount 24.119			Recovery	= 104.261%			
37) 1,2-DCA-D4(S)	12.17	65	268702	24.17667	ppb		0.01
Spiked Amount 22.874			Recovery	= 105.695%			
55) Toluene-D8(S)	15.44	98	1577504	26.59870	ppb		0.01
Spiked Amount 24.755			Recovery	= 107.449%			
63) 4-Bromofluorobenzene(S)	20.05	95	560654	27.04891	ppb		0.01
Spiked Amount 26.777			Recovery	= 101.015%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	4.06	85	200281	9.82158	ppb		98
3) Freon 114	4.31	85	94357	10.68257	ppb		96
4) Chloromethane	4.52	50	70947	8.11873	ppb		99
5) Vinyl chloride	4.80	62	70120	10.85033	ppb		98
6) Bromomethane	5.69	94	41904	10.66775	ppb		93
7) Chloroethane	5.88	64	48868	10.82490	ppb		99
8) Dichlorofluoromethane	5.97	67	402355	12.17762	ppb		97
9) Trichlorofluoromethane	6.48	103	48040	11.04599	ppb		96
10) Acetonitrile	7.62	41	84933	138.38099	ug/l		100
11) Acrolein	7.11	56	19499	149.75391	ppb		83
12) Acetone	7.24	43	13490	10.45850	ppb		98
13) Freon-113	7.41	101	144810	10.84214	ppb		93
14) 1,1-DCE	7.63	96	83494	9.88164	ppb		79
15) t-Butanol	7.73	59	7313	115.17484	ppb		98
16) Methyl Acetate	8.14	43	42822	9.63328	ppb		100
17) Iodomethane	8.12	142	215145	11.41027	ppb		99
18) Acrylonitrile	8.52	53	18325	11.19044	ppb		92
19) Methylene chloride	8.42	84	116672	11.48123	ppb		93
20) Carbon disulfide	8.51	76	89088	10.54200	ppb		99
21) Methyl t-butyl ether (MtBE	8.84	73	218488	10.27630	ppb		97
22) Trans-1,2-DCE	9.05	96	106342	10.99329	ppb		91
23) Diisopropyl Ether	9.70	45	505815	11.15219	ppb		98
24) 1,1-DCA	9.73	63	264888	11.59541	ppb		98
25) Vinyl Acetate	9.38	43	24928	10.63277	ppb		97
26) Ethyl tert Butyl Ether	10.39	59	327244	10.60207	ppb		98
27) MEK (2-Butanone)	10.39	43	13396	10.81637	ppb		95
28) Cis-1,2-DCE	10.76	96	169961	11.11657	ppb		95
29) 2,2-Dichloropropane	10.75	77	234757	12.29885	ppb		94
30) Chloroform	11.03	83	280591	11.49374	ppb		96
31) Bromochloromethane	11.26	128	55268	11.90811	ppb		92
33) 1,1,1-TCA	11.78	97	232372	11.02490	ppb		95
34) Cyclohexane	11.94	56	209439	10.43380	ppb		99
35) 1,1-Dichloropropene	12.06	75	155162	10.68488	ppb		96
36) 2,2,4-Trimethylpentane	12.12	57	402048	10.29893	ppb		96
38) Carbon Tetrachloride	12.24	117	148300	9.93605	ppb		95
39) Tert Amyl Methyl Ether	12.30	73	253359	10.40758	ppb	#	92
40) 1,2-DCA	12.33	62	112383	10.91019	ppb		97
41) Benzene	12.44	78	545333	11.30298	ppb		98
42) TCE	13.48	95	159238	11.95389	ppb		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C02W.D Vial: 1
Acq On : 27 Jan 12 10:41 Operator: RS, ARS
Sample : 10ug/L Vol Std 01-27-12 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2-Pentanone	13.15	43	431121	131.53309	ppb		96
44)	1,2-Dichloropropane	13.70	63	146489	11.46798	ppb		97
45)	Bromodichloromethane	14.06	83	168124	11.34928	ppb		94
46)	Methyl Cyclohexane	13.76	83	198550	10.67931	ppb		99
47)	Dibromomethane	14.12	93	58039	11.06808	ppb		88
48)	2-Chloroethyl vinyl ether	14.51	63	37461	9.52551	ppb		94
49)	1-Bromo-2-chloroethane	14.82	63	122062	11.15508	ppb		91
50)	Cis-1,3-Dichloropropene	14.95	75	194849	11.00386	ppb		98
51)	Toluene	15.58	91	661746	11.68550	ppb		99
52)	Trans-1,3-Dichloropropene	15.74	75	136090	11.08235	ppb		88
53)	1,1,2-TCA	16.02	83	68089	11.68345	ppb		83
56)	1,2-EDB	17.27	107	76645	10.96900	ppb		95
57)	Tetrachloroethene	16.73	164	147948	11.62049	ppb		98
58)	1-Chlorohexane	17.65	91	275628	11.77386	ppb		96
59)	1,1,1,2-Tetrachloroethane	18.10	131	152303	11.57689	ppb		97
60)	m&p-Xylene	18.30	106	648118	23.33974	ppb		99
61)	o-Xylene	19.04	106	324466	11.76543	ppb		93
62)	Styrene	19.06	104	480351	11.65698	ppb		99
64)	2-Hexanone	16.05	43	28543	11.21298	ppb		90
65)	1,3-Dichloropropane	16.44	76	137318	10.68149	ppb		96
66)	Dibromochloromethane	16.91	129	105598	11.30777	ppb		96
67)	Chlorobenzene	18.04	112	458058	11.36583	ppb		98
68)	Ethylbenzene	18.15	91	833598	11.33515	ppb		100
69)	Bromoform	19.58	173	52707	9.42842	ppb		99
71)	MIBK (methyl isobutyl keto	14.62	43	45404	9.63740	ppb		93
72)	Isopropylbenzene	19.67	105	877944	11.42157	ppb		98
73)	1,1,2,2-Tetrachloroethane	19.83	83	78537	11.06143	ppb		97
74)	1,2,3-Trichloropropane	20.09	110	7608	9.20557	ppb		89
75)	t-1,4-Dichloro-2-Butene	20.15	53	15965	9.10743	ppb	#	72
76)	Bromobenzene	20.41	156	195765	10.74559	ppb		90
77)	n-Propylbenzene	20.37	91	1055737	11.04065	ppb		99
78)	4-Ethyltoluene	20.58	105	619568	11.15353	ppb		99
79)	2-Chlorotoluene	20.67	91	661978	10.94032	ppb		99
80)	1,3,5-Trimethylbenzene	20.65	105	712038	11.38512	ppb		100
81)	4-Chlorotoluene	20.75	91	572433	10.66897	ppb		97
82)	Tert-Butylbenzene	21.29	119	757805	10.58295	ppb		99
83)	1,2,4-Trimethylbenzene	21.35	105	698686	11.23619	ppb		98
84)	Sec-Butylbenzene	21.69	105	990365	11.21065	ppb		98
85)	p-Isopropyltoluene	21.92	119	805057	11.34752	ppb		99
86)	Benzyl Chloride	22.37	91	146653	10.22585	ppb		97
87)	1,3-DCB	22.06	146	398252	11.09956	ppb		98
88)	1,4-DCB	22.23	146	372436	10.67692	ppb		98
89)	Hexachloroethane	23.54	117	158556	10.11819	ppb		97
90)	n-Butylbenzene	22.64	91	723013	11.10292	ppb		98
91)	1,2-DCB	22.86	146	313687	10.42887	ppb		98
92)	1,2-Dibromo-3-chloropropan	24.08	155	10653	9.74371	ppb		97
93)	1,2,4-Trichlorobenzene	25.52	180	103416	12.02325	ppb		95
94)	Hexachlorobutadiene	25.78	223	118531	11.32335	ppb		91
95)	Naphthalene	25.88	128	285724	11.10651	ppb		99
96)	1,2,3-Trichlorobenzene	26.24	180	79818	11.53993	ppb		96

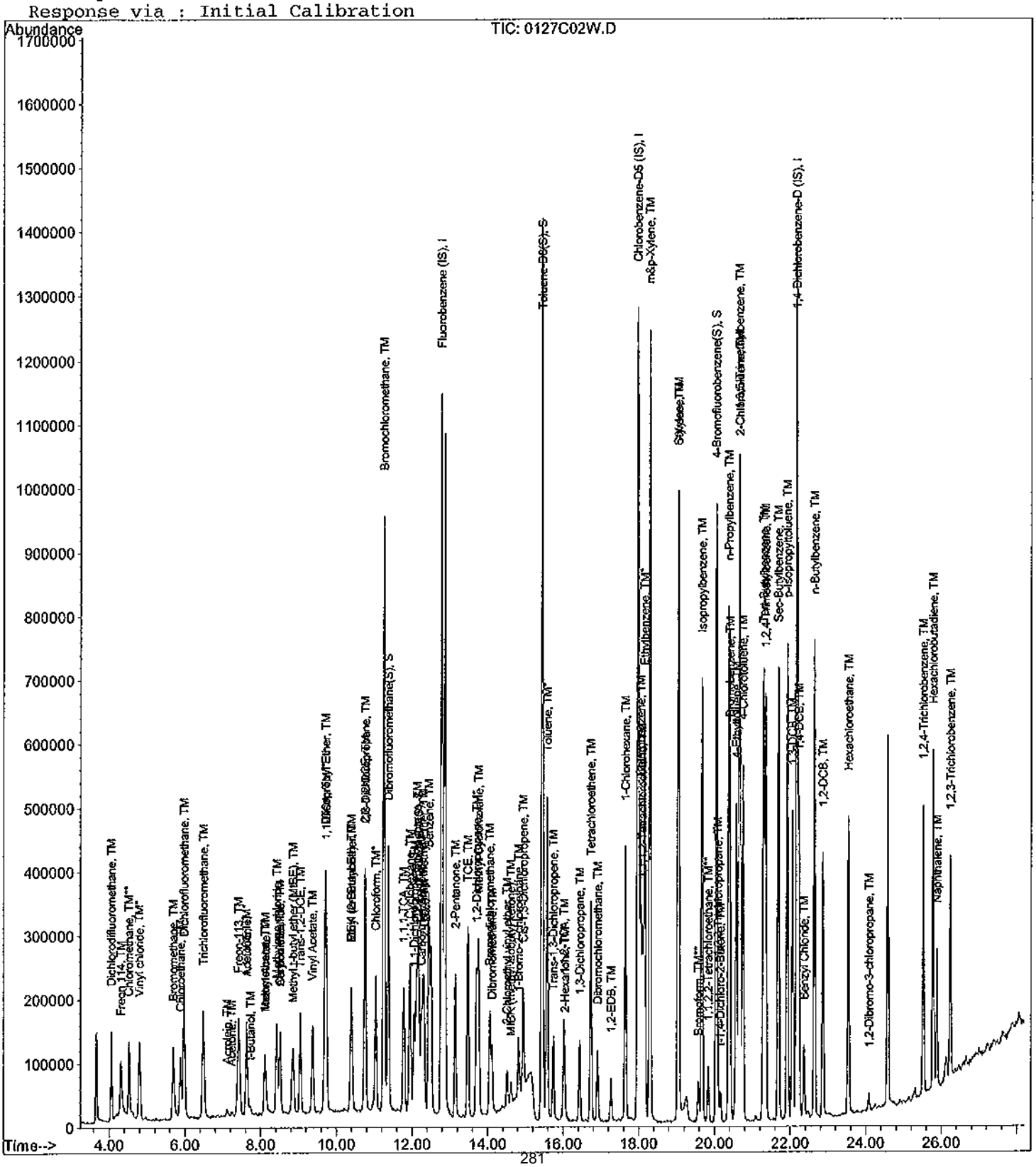
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C02W.D Vial: 1
Acq On : 27 Jan 12 10:41 Operator: RS, ARS
Sample : 10ug/L Vol Std 01-27-12 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 01/31/12
Matrix: Water Instrument: Thor Initials:

			0131T04W.D	0131T05W.D	0131T06W.D	0131T07W.D	0131T08W.D	0131T09W.D	0131T10W.D	0131T11W.D						
		Compound	0.3	0.5	1	5	10	20	40	100			Avg	%RSD		r^2
1	I	Fluorobenzene (IS)														
2	TM	Dichlorodifluoromethane	0.2549	0.2375	0.2746	0.2473	0.2865	0.2916	0.3128	0.3147			0.28	11	TM	
3	TM	Freon 114	0.1208	0.1484	0.1764	0.1487	0.1536	0.1699	0.1678	0.1768			0.16	12	TM	
4	TM**	Chloromethane	0.4270	0.3901	0.3375	0.3810	0.3605	0.3412	0.3544	0.3743			0.37	7.9	TM** ✓	
5	TM*	Vinyl chloride	0.4115	0.3788	0.3518	0.3710	0.3745	0.3550	0.3692	0.3800			0.37	4.9	TM* ✓	
6	TM	Bromomethane	0.3089	0.2815	0.2471	0.2237	0.2041	0.2106	0.2630	0.2640			0.25	14	TM	
7	TML	Chloroethane	0.0054	0.2878	0.2243	0.2435	0.2429	0.2270	0.2348	0.2416			0.21	40	TML	1.000
8	TM	Dichlorofluoromethane	0.6890	0.6093	0.5890	0.5906	0.5798	0.5729	0.5688	0.6015			0.60	6.4	TM	
9	TM	Trichlorofluoromethane	0.4430	0.4679	0.4755	0.4490	0.4894	0.4663	0.4781	0.4982			0.47	4.0	TM	
10	TM	Acrolein	0.0052	0.0052	0.0049	0.0051	0.0055	0.0058	0.0066				0.01	11	TM	
11	TML	Acetone		0.2401	0.1742	0.0732	0.0670	0.0625					0.12	65	TML	0.999
12	TM	Freon-113	0.1916	0.2103	0.2461	0.2296	0.2342	0.2424	0.2401	0.2506			0.23	8.7	TM	
13	TM*	1,1-DCE	0.2338	0.2145	0.2031	0.2014	0.2069	0.2126	0.2037	0.2161			0.21	5.0	TM* ✓	
14	TM	t-Butanol	0.0073	0.0074	0.0067	0.0066	0.0068	0.0067	0.0073	0.0072			0.01	4.8	TM	
15	TML	Methyl Acetate	0.7352	0.3947	0.3006	0.2201	0.2084	0.1849	0.1870	0.1948			0.30	62	TML	0.999
16	TML	Iodomethane	0.1827	0.1743	0.1793	0.2940	0.3436	0.3744	0.3864	0.4188			0.29	35	TML	0.999
17	TM	Acrylonitrile	0.0536	0.0778	0.0550	0.0708	0.0708	0.0686	0.0668	0.0699			0.07	12	TM	
18	TML	Methylene chloride	0.5250	0.4124	0.2936	0.2388	0.2241	0.2187	0.2143	0.2209			0.29	39	TML	1.000
19	TM	Carbon disulfide	0.3943	0.3722	0.3456	0.3750	0.3798	0.3853	0.3873	0.4143			0.38	5.1	TM	
20	TM	Methyl t-butyl ether (MtBE)	0.7991	0.8156	0.7192	0.7624	0.7320	0.7310	0.7337	0.7721			0.76	4.7	TM	
21	TM	Trans-1,2-DCE	0.1689	0.1958	0.1491	0.1616	0.1652	0.1626	0.1600	0.1680			0.17	8.0	TM	
22	TM	Diisopropyl Ether	0.1404	0.1141	0.0999	0.1097	0.1130	0.1112	0.1102	0.1178			0.11	10	TM	
23	TM**	1,1-DCA	0.4981	0.4815	0.4103	0.4513	0.4385	0.4319	0.4318	0.4565			0.45	6.4	TM** ✓	
24	TM	Vinyl Acetate	0.2653	0.2929	0.2722	0.2761	0.2680	0.2709	0.2699	0.2924			0.28	3.9	TM	
25	TM	Ethyl tert Butyl Ether	0.8684	0.8558	0.7829	0.8326	0.8191	0.8045	0.8212	0.8765			0.84	4.3	TM	
26	TML	MEK (2-Butanone)	0.1689	0.1081	0.1488	0.1014	0.0864	0.0846	0.0862	0.0949			0.11	29	TML	0.998
27	TM	Cis-1,2-DCE	0.3414	0.2927	0.2695	0.3033	0.2847	0.2779	0.2795	0.2973			0.29	7.6	TM	
28	TM	2,2-Dichloropropane	0.4248	0.3897	0.3298	0.3728	0.3643	0.3569	0.3527	0.3780			0.37	7.6	TM	
29	TM*	Chloroform	0.6043	0.5811	0.5065	0.5367	0.5153	0.5089	0.5064	0.5399			0.54	6.9	TM* ✓	
30	TM	Bromochloromethane	0.1551	0.1418	0.1296	0.1430	0.1345	0.1316	0.1311	0.1401			0.14	6.1	TM	
31	S	Dibromofluoromethane(S)	0.4413	0.3957	0.3535	0.3313	0.3345	0.3141	0.3299	0.3723			0.36	12	S	
32	TM	1,1,1-TCA	0.4351	0.3779	0.3827	0.3902	0.3755	0.3922	0.3874	0.4133			0.39	5.1	TM	
33	TM	Cyclohexane	0.2527	0.2073	0.2046	0.1837	0.1852	0.1874	0.1893	0.2022			0.20	11	TM	
34	TM	1,1-Dichloropropene	0.2669	0.2380	0.2400	0.2568	0.2511	0.2530	0.2582	0.2693			0.25	4.4	TM	
35	TM	2,2,4-Trimethylpentane	0.6612	0.6493	0.7517	0.7184	0.7320	0.7535	0.7725	0.8292			0.73	8.0	TM	

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 01/31/12
Matrix: Water Instrument: Thor Initials:

		Compound	0.3	0.5	1	5	10	20	40	100			Avg	%RSD		r²
36	S	1,2-DCA-D4(S)	0.4858	0.4406	0.3876	0.3585	0.3714	0.3356	0.3514				0.39	14	S	
37	TM	Carbon Tetrachloride	0.2631	0.2882	0.2974	0.2901	0.2846	0.2998	0.3052	0.3281			0.29	6.3	TM	
38	TM	Tert Amyl Methyl Ether	0.8742	0.8060	0.7428	0.7767	0.7602	0.7564	0.7707	0.8276			0.79	5.6	TM	
39	TM	1,2-DCA	0.3652	0.4055	0.3342	0.3648	0.3649	0.3507	0.3422	0.3635			0.36	5.9	TM	
40	TM	Benzene	1.081	1.033	0.9242	0.9654	0.9485	0.9278	0.9232	0.9768			0.97	5.9	TM	
41	TM	TCE	0.2928	0.2664	0.2762	0.2883	0.2724	0.2673	0.2636	0.2808			0.28	3.9	TM	
42	TM	2-Pentanone	0.1657	0.1804	0.1635	0.1662	0.1735	0.1683	0.1774	0.1931			0.17	5.7	TM	
43	TM*	1,2-Dichloropropane	0.3468	0.3396	0.3236	0.3248	0.3266	0.3080	0.3067	0.3284			0.33	4.2	TM*	
44	TM	Bromodichloromethane	0.4441	0.4366	0.3920	0.4114	0.3978	0.4014	0.4088	0.4375			0.42	4.9	TM	
45	TM	Methyl Cyclohexane	0.3335	0.3521	0.3728	0.3691	0.3727	0.3852	0.3869	0.4173			0.37	6.6	TM	
46	TM	Dibromomethane	0.2007	0.1873	0.1659	0.1763	0.1711	0.1631	0.1642	0.1736			0.18	7.4	TM	
47	TM	2-Chloroethyl vinyl ether													TM	
48	TM	MIBK (methyl isobutyl ketone	0.1022	0.0948	0.0856	0.0813	0.0822	0.0806	0.0852	0.1008			0.09	10.0	TM	
49	TM	1-Bromo-2-chloroethane	0.2815	0.2567	0.2332	0.2333	0.2353	0.2311	0.2269	0.2416			0.24	7.5	TM	
50	TM	Cis-1,3-Dichloropropene	0.4678	0.4181	0.3954	0.4329	0.4271	0.4247	0.4312	0.4675			0.43	5.6	TM	
51	TM*	Toluene	1.278	1.324	1.169	1.222	1.210	1.191	1.196	1.294			1.2	4.5	TM*	
52	TM	Trans-1,3-Dichloropropene	0.3528	0.3544	0.3513	0.3657	0.3738	0.3757	0.3892	0.4268			0.37	6.7	TM	
53	TM	1,1,2-TCA	0.2472	0.2335	0.2331	0.2427	0.2359	0.2336	0.2354	0.2529			0.24	3.1	TM	
54	TML	2-Hexanone	0.3599	0.1769	0.1864	0.1449	0.1365	0.1311	0.1358	0.1585			0.18	42	TML	0.996
55	IS	Chlorobenzene-D5 (IS)														
56	S	Toluene-D8(S)		1.867	1.561	1.509	1.550	1.459	1.494	1.594			1.6	8.6	S	
57	TM	1,2-EDB	0.3690	0.3427	0.3110	0.3248	0.3224	0.3138	0.3187	0.3209			0.33	5.8	TM	
58	TM	Tetrachloroethene	0.3875	0.4226	0.3793	0.3992	0.3878	0.3774	0.3767	0.3764			0.39	4.1	TM	
59	TML	1-Chlorohexane	0.8476	0.6363	0.5315	0.5050	0.5015	0.5153	0.5193	0.5386			0.57	21	TML	1.000
60	TM	1,1,1,2-Tetrachloroethane	0.4239	0.4285	0.3659	0.4122	0.4040	0.4059	0.4134	0.4422			0.41	5.5	TM	
61	TM	m&p-Xylene	0.7870	0.7250	0.6351	0.7059	0.7136	0.7187	0.7297	0.7602			0.72	6.1	TM	
62	TM	o-Xylene	0.6805	0.7642	0.6644	0.7317	0.7212	0.7236	0.7330	0.7712			0.72	5.1	TM	
63	TM	Styrene	1.189	1.178	1.105	1.188	1.230	1.250	1.299	1.392			1.2	7.1	TM	
64	S	4-Bromofluorobenzene(S)		0.7249	0.5812	0.5598	0.5771	0.5485	0.5721				0.59	11	S	
65	TM	1,3-Dichloropropane	0.6067	0.5735	0.5317	0.5788	0.5675	0.5459	0.5496	0.5517			0.56	4.2	TM	
66	TM	Dibromochloromethane	0.3972	0.4096	0.3471	0.3712	0.3826	0.3797	0.3970	0.4159			0.39	5.7	TM	
67	TM**	Chlorobenzene	1.378	1.160	1.072	1.171	1.138	1.124	1.128	1.167			1.2	7.8	TM**	
68	TM*	Ethylbenzene	2.060	1.993	1.723	1.874	1.867	1.870	1.876	1.945			1.9	5.3	TM*	
69	TM**	Bromoform	0.2569	0.2033	0.2070	0.2399	0.2472	0.2456	0.2593	0.2844			0.24	11	TM**	
70	IS	1,4-Dichlorobenzene-D (IS)														

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 01/31/12
Matrix: Water Instrument: Thor Initials:

		Compound	0.3	0.5	1	5	10	20	40	100			Avg	%RSD		
71	TM	Isopropylbenzene	3.958	3.490	3.230	3.512	3.348	3.255	3.194	3.312			3.4	7.3	TM	
72	TM**	1,1,2,2-Tetrachloroethane	0.7485	0.7185	0.7445	0.7686	0.7451	0.7176	0.7073	0.7255			0.73	2.8	TM**	
73	TM	1,2,3-Trichloropropane	0.2972	0.2098	0.2169	0.2460	0.2278	0.2161	0.2078	0.2112			0.23	13	TM	
74	TM	t-1,4-Dichloro-2-Butene	0.2166	0.1590	0.1702	0.1647	0.1552	0.1513	0.1554	0.1605			0.17	13	TM	
75	TM	Bromobenzene	1.170	1.193	1.056	1.048	0.9857	0.9432	0.9215	0.9472			1.0	10	TM	
76	TM	n-Propylbenzene	4.471	4.235	4.124	4.259	4.157	4.117	4.027	4.186			4.2	3.2	TM	
77	TM	4-Ethyltoluene	2.494	2.422	2.314	2.481	2.421	2.420	2.378	2.465			2.4	2.4	TM	
78	TM	2-Chlorotoluene	3.134	2.891	2.647	2.886	2.816	2.742	2.670	2.743			2.8	5.6	TM	
79	TM	1,3,5-Trimethylbenzene	3.380	2.861	2.842	3.048	3.022	2.972	2.929	3.069			3.0	5.6	TM	
80	TM	4-Chlorotoluene	2.835	2.942	2.779	3.004	2.882	2.830	2.768	2.891			2.9	2.8	TM	
81	TM	Tert-Butylbenzene	3.344	3.223	2.683	2.848	2.649	2.647	2.597	2.710			2.8	10	TM	
82	TM	1,2,4-Trimethylbenzene	3.249	2.928	2.807	3.087	2.979	2.995	2.956	3.109			3.0	4.4	TM	
83	TM	Sec-Butylbenzene	3.962	3.760	3.649	3.877	3.868	3.793	3.742	3.946			3.8	2.8	TM	
84	TM	p-Isopropyltoluene	3.460	3.249	3.022	3.215	3.214	3.199	3.201	3.379			3.2	4.0	TM	
85	TM	Benzyl Chloride	0.8433	0.8167	0.7254	0.8258	0.8734	0.9024	0.9721	1.140			0.89	14	TM	
86	TM	1,3-DCB	2.136	1.912	1.798	1.918	1.860	1.790	1.763	1.850			1.9	6.3	TM	
87	TM	1,4-DCB	2.004	2.097	1.820	1.940	1.847	1.800	1.780	1.864			1.9	5.8	TM	
88	TM	n-Butylbenzene	2.793	2.514	2.472	2.759	2.788	2.825	2.847	3.080			2.8	7.0	TM	
89	TM	1,2-DCB	1.904	1.825	1.731	1.868	1.742	1.678	1.658	1.748			1.8	5.0	TM	
90	TM	Hexachloroethane	0.5443	0.4990	0.5139	0.5277	0.5087	0.4836	0.5057	0.5650			0.52	5.0	TM	
91	TM	1,2-Dibromo-3-chloropropane	0.1220	0.1125	0.0927	0.0866	0.0809	0.0832	0.0877	0.0980			0.10	15	TM	
92	TM	1,2,4-Trichlorobenzene	0.7930	0.6809	0.6079	0.6892	0.6781	0.6834	0.7204	0.8186			0.71	9.6	TM	
93	TM	Hexachlorobutadiene	0.7059	0.7687	0.6453	0.6666	0.6342	0.6176	0.6125	0.6572			0.66	7.8	TM	
94	TM	Naphthalene	1.857	1.530	1.459	1.664	1.745	1.845	2.030	2.266			1.8	15	TM	
95	TM	1,2,3-Trichlorobenzene	0.9654	0.8415	0.7969	0.9309	0.9537	0.9607	1.041	1.138			0.95	11	TM	
96																
97																
98																
99																
100																
101																
102																
103																
104																
105																

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T04W.D Vial: 4
Acq On : 31 Jan 12 11:46 Operator:
Sample : 0.3ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.74	96	674432	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	9.89	117	525120	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	269760	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	5.96	111	7143	0.73742 ppb		-0.01
Spiked Amount 32.661			Recovery =	2.257%		
36) 1,2-DCA-D4(S)	6.33	65	7863	0.74710 ppb		-0.02
Spiked Amount 30.896			Recovery =	2.418%		
56) Toluene-D8(S)	8.44	98	28494	0.86066 ppb		0.00
Spiked Amount 33.937			Recovery =	2.537%		
64) 4-Bromofluorobenzene(S)	11.06	95	11780	0.94425 ppb		0.00
Spiked Amount 33.154			Recovery =	2.847%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.27	85	2063	0.27559 ppb		89
3) Freon 114	1.39	85	978	0.22971 ppb	#	69
4) Chloromethane	1.43	50	3456	0.34554 ppb		90
5) Vinyl chloride	1.53	62	3330	0.33008 ppb		95
6) Bromomethane	1.85	94	2500	0.37015 ppb		98
7) Chloroethane	1.99	64	44	0.28608 ppb	#	45
8) Dichlorofluoromethane	2.16	67	5576	0.34443 ppb		95
9) Trichlorofluoromethane	2.22	101	3585	0.28219 ppb		99
10) Acrolein	2.69	55	2089	14.12018 ppb		79
11) Acetone	2.89	43	3158	0.35449 ppb		84
12) Freon-113	2.84	101	1551	0.24931 ppb		89
13) 1,1-DCE	2.81	61	1892	0.33160 ppb	#	76
14) t-Butanol	3.71	59	2941	15.58401 ppb	#	90
15) Methyl Acetate	3.35	43	5950	0.83139 ppb		86
16) Iodomethane	2.96	142	1479	1.36957 ppb	#	75
17) Acrylonitrile	3.83	52	434	0.24136 ppb	#	61
18) Methylene chloride	3.44	84	4249	0.52590 ppb		94
19) Carbon disulfide	3.04	76	3191	0.30987 ppb	#	69
20) Methyl t-butyl ether (MtBE	3.91	73	6467	0.31620 ppb		91
21) Trans-1,2-DCE	3.86	96	1367	0.30456 ppb		90
22) Diisopropyl Ether	4.70	59	1136	0.36768 ppb	#	82
23) 1,1-DCA	4.51	63	4031	0.33206 ppb		94
24) Vinyl Acetate	4.72	87	2147	0.28838 ppb		68
25) Ethyl tert Butyl Ether	5.22	59	7190	0.31914 ppb		97
26) MEK (2-Butanone)	5.42	43	1367	1.03125 ppb	#	50
27) Cis-1,2-DCE	5.33	96	2763	0.34920 ppb		94
28) 2,2-Dichloropropane	5.33	77	3438	0.34339 ppb		89
29) Chloroform	5.77	83	4891	0.33736 ppb		87
30) Bromochloromethane	5.63	128	1255	0.33625 ppb		73
32) 1,1,1-TCA	5.97	97	3521	0.33102 ppb		97
33) Cyclohexane	6.03	41	2045	0.37615 ppb		86
34) 1,1-Dichloropropene	6.18	75	2160	0.31501 ppb	#	76
35) 2,2,4-Trimethylpentane	6.55	57	5351	0.27043 ppb	#	71
37) Carbon Tetrachloride	6.17	117	2129	0.26792 ppb		97
38) Tert Amyl Methyl Ether	6.60	73	7075	0.33225 ppb		95
39) 1,2-DCA	6.43	62	2956	0.30321 ppb	#	80
40) Benzene	6.41	78	8750	0.33352 ppb		92
41) TCE	7.16	95	2370	0.31833 ppb		98
42) 2-Pentanone	7.38	43	67036	14.32059 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T04W.D Vial: 4
Acq On : 31 Jan 12 11:46 Operator:
Sample : 0.3ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	2807	0.31959	ppb	#	85
44)	Bromodichloromethane	7.69	83	3594	0.32011	ppb	#	92
45)	Methyl Cyclohexane	7.37	83	2699	0.26772	ppb		97
46)	Dibromomethane	7.50	93	1624	0.34345	ppb	#	62
48)	MIBK (methyl isobutyl ket	9.20	43	827	0.34412	ppb	#	91
49)	1-Bromo-2-chloroethane	8.00	63	2278	0.34831	ppb		96
50)	Cis-1,3-Dichloropropene	8.16	75	3786	0.32405	ppb		91
51)	Toluene	8.51	91	10342	0.31030	ppb		97
52)	Trans-1,3-Dichloropropene	8.74	75	2855	0.28318	ppb	#	43
53)	1,1,2-TCA	8.92	83	2001	0.30997	ppb	#	74
54)	2-Hexanone	9.20	43	2913	1.77102	ppb	#	85
57)	1,2-EDB	9.41	107	2325	0.33756	ppb	#	80
58)	Tetrachloroethene	9.07	166	2442	0.29936	ppb		90
59)	1-Chlorohexane	9.92	91	5341	0.81330	ppb		96
60)	1,1,1,2-Tetrachloroethane	10.00	131	2671	0.30865	ppb		75
61)	m&p-Xylene	10.16	106	9919	0.65414	ppb		97
62)	o-Xylene	10.55	106	4288	0.28208	ppb		79
63)	Styrene	10.56	104	7492	0.29025	ppb		91
65)	1,3-Dichloropropane	9.08	76	3823	0.32316	ppb		96
66)	Dibromochloromethane	9.30	129	2503	0.30749	ppb		82
67)	Chlorobenzene	9.92	112	8684	0.35417	ppb		94
68)	Ethylbenzene	10.04	91	12979	0.32501	ppb		97
69)	Bromoform	10.73	173	1619	0.31725	ppb		97
71)	Isopropylbenzene	10.93	105	12814	0.34801	ppb	#	89
72)	1,1,2,2-Tetrachloroethane	11.21	83	2423	0.30574	ppb		94
73)	1,2,3-Trichloropropane	11.24	110	962	0.38916	ppb		78
74)	t-1,4-Dichloro-2-Butene	11.26	53	701	0.38994	ppb	#	27
75)	Bromobenzene	11.21	156	3786	0.33964	ppb		87
76)	n-Propylbenzene	11.33	91	14474	0.31960	ppb		96
77)	4-Ethyltoluene	11.45	105	8072	0.30859	ppb		90
78)	2-Chlorotoluene	11.41	91	10144	0.33383	ppb		93
79)	1,3,5-Trimethylbenzene	11.51	105	10942	0.33630	ppb		94
80)	4-Chlorotoluene	11.52	91	9176	0.29668	ppb		93
81)	Tert-Butylbenzene	11.84	119	10825	0.35353	ppb		98
82)	1,2,4-Trimethylbenzene	11.88	105	10519	0.32346	ppb		83
83)	Sec-Butylbenzene	12.05	105	12826	0.31079	ppb		89
84)	p-Isopropyltoluene	12.20	119	11202	0.32018	ppb		95
85)	Benzyl Chloride	12.37	91	2730	0.28510	ppb	#	91
86)	1,3-DCB	12.15	146	6915	0.34116	ppb		94
87)	1,4-DCB	12.24	146	6486	0.31739	ppb		98
88)	n-Butylbenzene	12.61	91	9040	0.30357	ppb		96
89)	1,2-DCB	12.61	146	6165	0.32295	ppb		99
90)	Hexachloroethane	12.87	117	1762	0.31494	ppb		95
91)	1,2-Dibromo-3-chloropropan	13.38	157	395	0.38348	ppb	#	47
92)	1,2,4-Trichlorobenzene	14.22	180	2567	0.33558	ppb		98
93)	Hexachlorobutadiene	14.40	225	2285	0.31917	ppb		90
94)	Naphthalene	14.45	128	6010	0.30953	ppb		97
95)	1,2,3-Trichlorobenzene	14.70	180	3125	0.30372	ppb		94

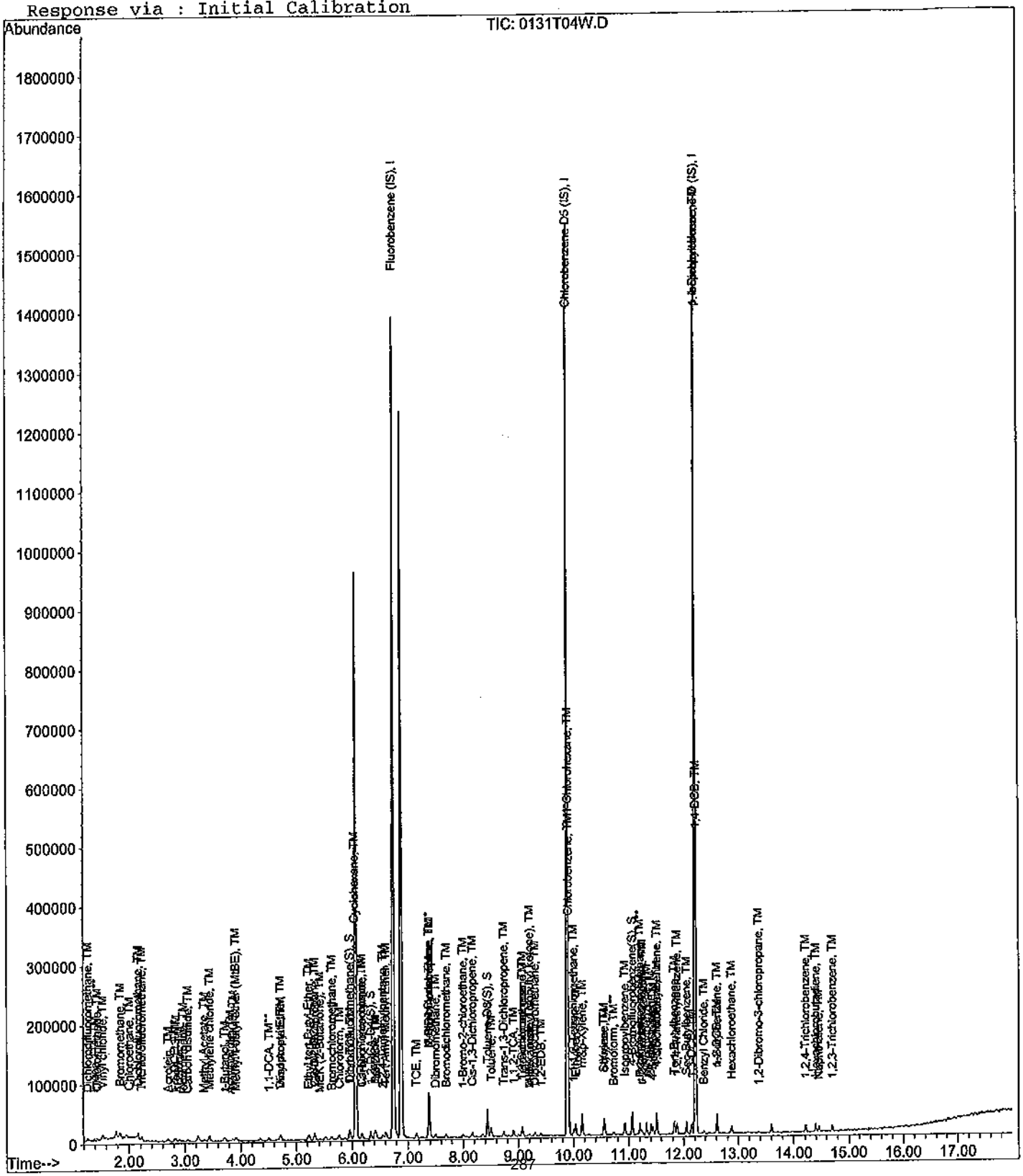
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T04W.D Vial: 4
Acq On : 31 Jan 12 11:46 Operator:
Sample : 0.3ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T05W.D Vial: 5
Acq On : 31 Jan 12 12:14 Operator:
Sample : 0.5ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.75	96	651584	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	9.89	117	515520	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	258112	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	5.97	111	10312	1.10190 ppb		0.00
Spiked Amount 32.661			Recovery =	3.374%		
36) 1,2-DCA-D4(S)	6.35	65	11483	1.12931 ppb		0.00
Spiked Amount 30.896			Recovery =	3.654%		
56) Toluene-D8(S)	8.45	98	38494	1.18436 ppb		0.00
Spiked Amount 33.937			Recovery =	3.489%		
64) 4-Bromofluorobenzene(S)	11.06	95	14949	1.22058 ppb		0.00
Spiked Amount 33.154			Recovery =	3.683%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	3095	0.42794 ppb		99
3) Freon 114	1.42	85	1934	0.47018 ppb		86
4) Chloromethane	1.46	50	5084	0.52613 ppb		91
5) Vinyl chloride	1.57	62	4936	0.50643 ppb		96
6) Bromomethane	1.88	94	3669	0.56229 ppb		99
7) Chloroethane	1.99	64	3751	0.87592 ppb		96
8) Dichlorofluoromethane	2.20	67	7940	0.50766 ppb		94
9) Trichlorofluoromethane	2.26	101	6098	0.49683 ppb		87
10) Acrolein	2.73	55	3405	23.82246 ppb		84
11) Acetone	2.94	43	3129	0.40657 ppb		94
12) Freon-113	2.87	101	2740	0.45588 ppb		89
13) 1,1-DCE	2.84	61	2795	0.50704 ppb		94
14) t-Butanol	3.74	59	4821	26.44169 ppb		97
15) Methyl Acetate	3.38	43	5143	0.71090 ppb		92
16) Iodomethane	2.99	142	2272	1.44663 ppb	#	90
17) Acrylonitrile	3.85	52	1014	0.58369 ppb		72
18) Methylene chloride	3.47	84	5374	0.74781 ppb		82
19) Carbon disulfide	3.08	76	4850	0.48748 ppb	#	86
20) Methyl t-butyl ether (MtBE	3.95	73	10629	0.53791 ppb		93
21) Trans-1,2-DCE	3.89	96	2551	0.58827 ppb		79
22) Diisopropyl Ether	4.74	59	1487	0.49816 ppb		97
23) 1,1-DCA	4.54	63	6275	0.53504 ppb		96
24) Vinyl Acetate	4.74	87	3817	0.53067 ppb		88
25) Ethyl tert Butyl Ether	5.24	59	11153	0.51240 ppb	#	87
26) MEK (2-Butanone)	5.42	43	1409	1.06730 ppb		94
27) Cis-1,2-DCE	5.35	96	3815	0.49906 ppb		89
28) 2,2-Dichloropropane	5.34	77	5079	0.52508 ppb		91
29) Chloroform	5.78	83	7573	0.54068 ppb		97
30) Bromochloromethane	5.65	128	1848	0.51249 ppb		94
32) 1,1,1-TCA	5.98	97	4925	0.47925 ppb		98
33) Cyclohexane	6.05	41	2702	0.51443 ppb	#	1
34) 1,1-Dichloropropene	6.18	75	3102	0.46825 ppb		92
35) 2,2,4-Trimethylpentane	6.57	57	8461	0.44259 ppb	#	79
37) Carbon Tetrachloride	6.18	117	3756	0.48925 ppb		94
38) Tert Amyl Methyl Ether	6.62	73	10504	0.51058 ppb	#	92
39) 1,2-DCA	6.44	62	5284	0.56101 ppb		99
40) Benzene	6.42	78	13461	0.53108 ppb		97
41) TCE	7.16	95	3472	0.48270 ppb		98
42) 2-Pentanone	7.39	43	117557	25.99376 ppb		99

(#) = qualifier out of range (m) = manual integration
0131T05W.D TALLW.M Wed Feb 01 10:41:00 2012

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T05W.D Vial: 5
Acq On : 31 Jan 12 12:14 Operator:
Sample : 0.5ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.40	63	4425	0.52148 ppb	#	89
44)	Bromodichloromethane	7.69	83	5689	0.52447 ppb		90
45)	Methyl Cyclohexane	7.38	83	4589	0.47115 ppb		96
46)	Dibromomethane	7.51	93	2441	0.53434 ppb		90
48)	MIBK (methyl isobutyl ket	9.20	43	1236	0.53234 ppb	#	97
49)	1-Bromo-2-chloroethane	8.00	63	3345	0.52939 ppb		99
50)	Cis-1,3-Dichloropropene	8.17	75	5448	0.48266 ppb		85
51)	Toluene	8.51	91	17252	0.53577 ppb		96
52)	Trans-1,3-Dichloropropene	8.74	75	4618	0.47411 ppb		89
53)	1,1,2-TCA	8.92	83	3043	0.48792 ppb		93
54)	2-Hexanone	9.20	43	2305	1.64646 ppb	#	97
57)	1,2-EDB	9.41	107	3533	0.52249 ppb		94
58)	Tetrachloroethene	9.07	166	4357	0.54407 ppb		93
59)	1-Chlorohexane	9.92	91	6561	0.93216 ppb		84
60)	1,1,1,2-Tetrachloroethane	10.01	131	4418	0.52003 ppb		98
61)	m&p-Xylene	10.16	106	14950	1.00428 ppb		96
62)	o-Xylene	10.56	106	7879	0.52796 ppb		87
63)	Styrene	10.57	104	12143	0.47919 ppb		97
65)	1,3-Dichloropropane	9.08	76	5913	0.50914 ppb	#	82
66)	Dibromochloromethane	9.31	129	4223	0.52845 ppb		100
67)	Chlorobenzene	9.92	112	11961	0.49691 ppb		95
68)	Ethylbenzene	10.04	91	20549	0.52416 ppb		99
69)	Bromoform	10.73	173	2096	0.41837 ppb		98
71)	Isopropylbenzene	10.93	105	18017	0.51139 ppb		94
72)	1,1,2,2-Tetrachloroethane	11.21	83	3709	0.48913 ppb		84
73)	1,2,3-Trichloropropane	11.24	110	1083	0.45788 ppb		75
74)	t-1,4-Dichloro-2-Butene	11.26	53	821	0.47730 ppb	#	60
75)	Bromobenzene	11.21	156	6158	0.57735 ppb		98
76)	n-Propylbenzene	11.33	91	21862	0.50452 ppb		99
77)	4-Ethyltoluene	11.45	105	12503	0.49955 ppb		98
78)	2-Chlorotoluene	11.41	91	14924	0.51330 ppb		99
79)	1,3,5-Trimethylbenzene	11.51	105	14770	0.47444 ppb		91
80)	4-Chlorotoluene	11.52	91	15185	0.51312 ppb		92
81)	Tert-Butylbenzene	11.84	119	16639	0.56793 ppb		94
82)	1,2,4-Trimethylbenzene	11.88	105	15113	0.48569 ppb		91
83)	Sec-Butylbenzene	12.05	105	19408	0.49151 ppb		96
84)	p-Isopropyltoluene	12.20	119	16772	0.50101 ppb		97
85)	Benzyl Chloride	12.37	91	4216	0.46016 ppb		98
86)	1,3-DCB	12.15	146	9871	0.50898 ppb		99
87)	1,4-DCB	12.24	146	10826	0.55367 ppb		96
88)	n-Butylbenzene	12.61	91	12979	0.45551 ppb		99
89)	1,2-DCB	12.61	146	9420	0.51573 ppb		93
90)	Hexachloroethane	12.87	117	2576	0.48122 ppb		95
91)	1,2-Dibromo-3-chloropropan	13.37	157	581	0.58951 ppb		88
92)	1,2,4-Trichlorobenzene	14.21	180	3515	0.48024 ppb		89
93)	Hexachlorobutadiene	14.40	225	3968	0.57926 ppb		87
94)	Naphthalene	14.45	128	7896	0.42501 ppb	#	82
95)	1,2,3-Trichlorobenzene	14.70	180	4344	0.44124 ppb	#	89

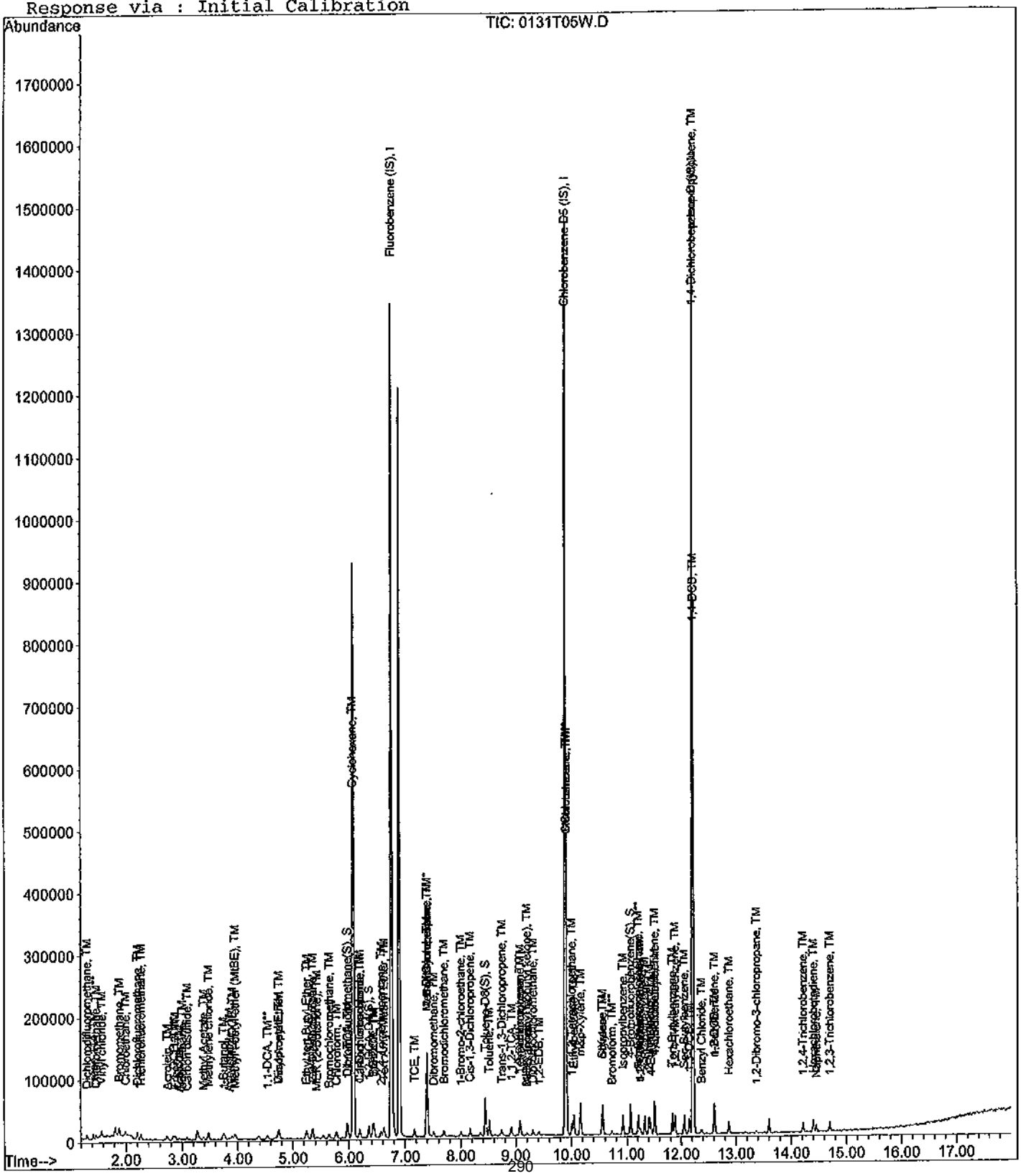
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T05W.D Vial: 5
Acq On : 31 Jan 12 12:14 Operator:
Sample : 0.5ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T06W.D Vial: 6
Acq On : 31 Jan 12 12:42 Operator:
Sample : 1.0ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.75	96	690752	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	9.89	117	558976	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	272256	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	5.97	111	19536	1.96918 ppb		0.00
Spiked Amount 32.661			Recovery =	6.029%		
36) 1,2-DCA-D4(S)	6.35	65	21421	1.98722 ppb		0.00
Spiked Amount 30.896			Recovery =	6.431%		
56) Toluene-D8(S)	8.45	98	69787	1.98024 ppb		0.00
Spiked Amount 33.937			Recovery =	5.834%		
64) 4-Bromofluorobenzene(S)	11.06	95	25991	1.95717 ppb		0.00
Spiked Amount 33.154			Recovery =	5.903%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	7587	0.98957 ppb		98
3) Freon 114	1.42	85	4875	1.11798 ppb		100
4) Chloromethane	1.46	50	9325	0.91030 ppb		99
5) Vinyl chloride	1.57	62	9719	0.94061 ppb		97
6) Bromomethane	1.87	94	6826	0.98679 ppb		94
7) Chloroethane	1.98	64	6198	1.20922 ppb		90
8) Dichlorofluoromethane	2.19	67	16273	0.98144 ppb		99
9) Trichlorofluoromethane	2.25	101	13137	1.00964 ppb		98
10) Acrolein	2.72	55	6794	44.83770 ppb		88
11) Acetone	2.93	43	4814	1.34941 ppb	#	70
12) Freon-113	2.87	101	6799	1.06707 ppb		97
13) 1,1-DCE	2.83	61	5611	0.96017 ppb		95
14) t-Butanol	3.75	59	9193	47.56172 ppb		96
15) Methyl Acetate	3.38	43	8306	1.24667 ppb		100
16) Iodomethane	2.99	142	4953	1.66601 ppb		86
17) Acrylonitrile	3.84	52	1519	0.82481 ppb		96
18) Methylene chloride	3.47	84	8113	1.14636 ppb		84
19) Carbon disulfide	3.07	76	9549	0.90536 ppb		100
20) Methyl t-butyl ether (MtBE	3.95	73	19872	0.94866 ppb	#	94
21) Trans-1,2-DCE	3.89	96	4119	0.89600 ppb		93
22) Diisopropyl Ether	4.73	59	2759	0.87189 ppb	#	86
23) 1,1-DCA	4.54	63	11336	0.91176 ppb		95
24) Vinyl Acetate	4.73	87	7521	0.98634 ppb		94
25) Ethyl tert Butyl Ether	5.24	59	21631	0.93744 ppb		93
26) MEK (2-Butanone)	5.42	43	4110	2.07470 ppb		89
27) Cis-1,2-DCE	5.35	96	7447	0.91894 ppb		98
28) 2,2-Dichloropropane	5.34	77	9113	0.88870 ppb		93
29) Chloroform	5.78	83	13996	0.94259 ppb		99
30) Bromochloromethane	5.64	128	3581	0.93677 ppb		75
32) 1,1,1-TCA	5.97	97	10575	0.97070 ppb		88
33) Cyclohexane	6.05	41	5652	1.01506 ppb	#	53
34) 1,1-Dichloropropene	6.18	75	6632	0.94434 ppb	#	90
35) 2,2,4-Trimethylpentane	6.56	57	20770	1.02487 ppb		91
37) Carbon Tetrachloride	6.18	117	8216	1.00952 ppb	#	76
38) Tert Amyl Methyl Ether	6.61	73	20523	0.94103 ppb		96
39) 1,2-DCA	6.44	62	9235	0.92489 ppb		98
40) Benzene	6.42	78	25536	0.95034 ppb		98
41) TCE	7.17	95	7632	1.00089 ppb		96
42) 2-Pentanone	7.39	43	225938	47.12573 ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T06W.D Vial: 6
Acq On : 31 Jan 12 12:42 Operator:
Sample : 1.0ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	8941	0.99393 ppb		98
44)	Bromodichloromethane	7.69	83	10831	0.94189 ppb		99
45)	Methyl Cyclohexane	7.38	83	10300	0.99753 ppb		94
46)	Dibromomethane	7.51	93	4584	0.94655 ppb		88
48)	MIBK (methyl isobutyl ket	9.20	43	2364	0.96044 ppb		98
49)	1-Bromo-2-chloroethane	8.00	63	6442	0.96172 ppb		96
50)	Cis-1,3-Dichloropropene	8.17	75	10925	0.91300 ppb		99
51)	Toluene	8.51	91	32307	0.94643 ppb		96
52)	Trans-1,3-Dichloropropene	8.74	75	9707	0.94007 ppb		98
53)	1,1,2-TCA	8.92	83	6441	0.97419 ppb		91
54)	2-Hexanone	9.20	43	5149	2.27058 ppb	#	95
57)	1,2-EDB	9.41	107	6954	0.94847 ppb		88
58)	Tetrachloroethene	9.07	166	8480	0.97659 ppb		90
59)	1-Chlorohexane	9.92	91	11883	1.32891 ppb		89
60)	1,1,1,2-Tetrachloroethane	10.01	131	8182	0.88821 ppb		97
61)	m&p-Xylene	10.16	106	28402	1.75960 ppb		93
62)	o-Xylene	10.55	106	14855	0.91802 ppb		93
63)	Styrene	10.56	104	24712	0.89938 ppb	#	96
65)	1,3-Dichloropropane	9.08	76	11888	0.94403 ppb		91
66)	Dibromochloromethane	9.31	129	7760	0.89557 ppb		98
67)	Chlorobenzene	9.92	112	23972	0.91847 ppb		98
68)	Ethylbenzene	10.04	91	38530	0.90641 ppb		95
69)	Bromoform	10.73	173	4629	0.85213 ppb		94
71)	Isopropylbenzene	10.93	105	35174	0.94651 ppb		94
72)	1,1,2,2-Tetrachloroethane	11.21	83	8108	1.01371 ppb		88
73)	1,2,3-Trichloropropane	11.25	110	2362	0.94675 ppb		83
74)	t-1,4-Dichloro-2-Butene	11.27	53	1853	1.02131 ppb	#	74
75)	Bromobenzene	11.21	156	11505	1.02263 ppb		99
76)	n-Propylbenzene	11.33	91	44916	0.98270 ppb		98
77)	4-Ethyltoluene	11.45	105	25197	0.95444 ppb		98
78)	2-Chlorotoluene	11.41	91	28824	0.93989 ppb		98
79)	1,3,5-Trimethylbenzene	11.51	105	30947	0.94243 ppb		98
80)	4-Chlorotoluene	11.52	91	30269	0.96970 ppb		97
81)	Tert-Butylbenzene	11.84	119	29220	0.94553 ppb		97
82)	1,2,4-Trimethylbenzene	11.88	105	30569	0.93137 ppb		99
83)	Sec-Butylbenzene	12.05	105	39743	0.95421 ppb		98
84)	p-Isopropyltoluene	12.20	119	32911	0.93204 ppb		98
85)	Benzyl Chloride	12.37	91	7900	0.81746 ppb		89
86)	1,3-DCB	12.15	146	19578	0.95705 ppb		98
87)	1,4-DCB	12.24	146	19821	0.96104 ppb		96
88)	n-Butylbenzene	12.61	91	26923	0.89580 ppb		97
89)	1,2-DCB	12.61	146	18856	0.97870 ppb		97
90)	Hexachloroethane	12.87	117	5597	0.99124 ppb		96
91)	1,2-Dibromo-3-chloropropan	13.38	157	1010	0.97155 ppb	#	77
92)	1,2,4-Trichlorobenzene	14.21	180	6620	0.85748 ppb		95
93)	Hexachlorobutadiene	14.40	225	7027	0.97253 ppb		87
94)	Naphthalene	14.45	128	15889	0.81082 ppb		99
95)	1,2,3-Trichlorobenzene	14.70	180	8678	0.83568 ppb		96

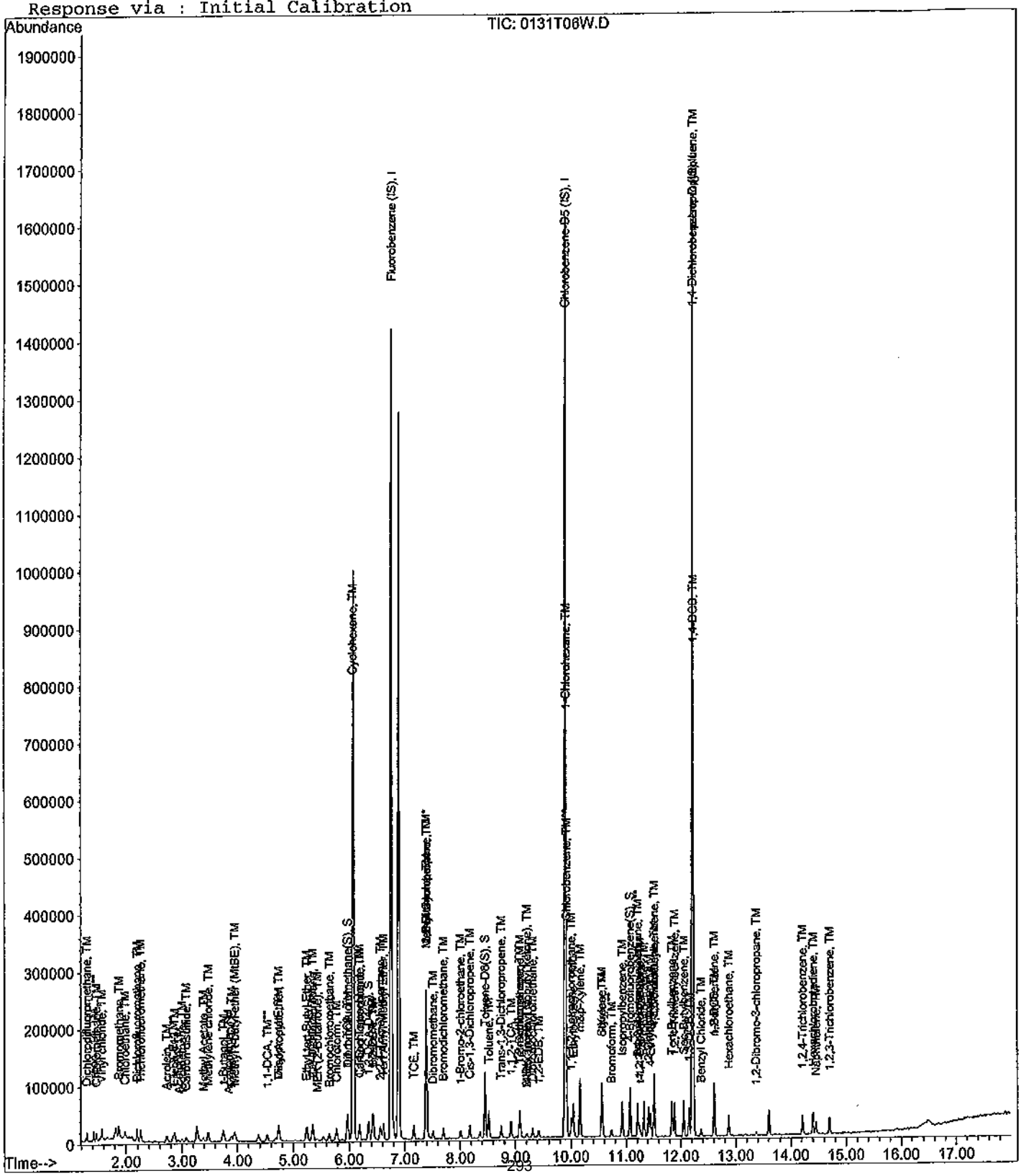
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T06W.D Vial: 6
Acq On : 31 Jan 12 12:42 Operator:
Sample : 1.0ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T07W.D Vial: 7
Acq On : 31 Jan 12 13:10 Operator:
Sample : 5.0ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	690944	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	553856	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	287424	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	91555	9.22593 ppb	0.00
Spiked Amount 32.661			Recovery	= 28.248%	
36) 1,2-DCA-D4(S)	6.35	65	99075	9.18859 ppb	0.00
Spiked Amount 30.896			Recovery	= 29.742%	
56) Toluene-D8(S)	8.45	98	334365	9.57548 ppb	0.00
Spiked Amount 33.937			Recovery	= 28.214%	
64) 4-Bromofluorobenzene(S)	11.06	95	124026	9.42572 ppb	0.00
Spiked Amount 33.154			Recovery	= 28.431%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.30	85	34172	4.45579 ppb	100
3) Freon 114	1.42	85	20545	4.71024 ppb	90
4) Chloromethane	1.46	50	52650	5.13823 ppb	100
5) Vinyl chloride	1.57	62	51267	4.96029 ppb	97
6) Bromomethane	1.87	94	30916	4.46808 ppb	100
7) Chloroethane	1.98	64	33651	5.32665 ppb	94
8) Dichlorofluoromethane	2.20	67	81610	4.92061 ppb	97
9) Trichlorofluoromethane	2.26	101	62047	4.76729 ppb	98
10) Acrolein	2.72	55	14199	93.68172 ppb	91
11) Acetone	2.93	43	10121	4.69030 ppb	90
12) Freon-113	2.87	101	31726	4.97785 ppb	98
13) 1,1-DCE	2.84	61	27833	4.76155 ppb	96
14) t-Butanol	3.74	59	18176	94.01084 ppb	94
15) Methyl Acetate	3.38	43	30409	5.39465 ppb	94
16) Iodomethane	3.00	142	40633	4.74128 ppb	96
17) Acrylonitrile	3.85	52	9788	5.31334 ppb	99
18) Methylene chloride	3.47	84	32998	5.25001 ppb	100
19) Carbon disulfide	3.08	76	51826	4.91239 ppb	99
20) Methyl t-butyl ether (MtBE	3.95	73	105358	5.02824 ppb	96
21) Trans-1,2-DCE	3.89	96	22327	4.85539 ppb	80
22) Diisopropyl Ether	4.74	59	15157	4.78851 ppb	100
23) 1,1-DCA	4.54	63	62361	5.01435 ppb	99
24) Vinyl Acetate	4.74	87	38157	5.00268 ppb	95
25) Ethyl tert Butyl Ether	5.24	59	115054	4.98479 ppb	99
26) MEK (2-Butanone)	5.41	43	14011	5.88553 ppb	90
27) Cis-1,2-DCE	5.35	96	41915	5.17076 ppb	97
28) 2,2-Dichloropropane	5.34	77	51515	5.02233 ppb	99
29) Chloroform	5.78	83	74161	4.99313 ppb	99
30) Bromochloromethane	5.65	128	19762	5.16820 ppb	100
32) 1,1,1-TCA	5.98	97	53917	4.94779 ppb	98
33) Cyclohexane	6.05	41	25379	4.55662 ppb	91
34) 1,1-Dichloropropene	6.19	75	35492	5.05235 ppb	97
35) 2,2,4-Trimethylpentane	6.57	57	99275	4.89723 ppb	96
37) Carbon Tetrachloride	6.18	117	40092	4.92481 ppb	96
38) Tert Amyl Methyl Ether	6.62	73	107330	4.91996 ppb	98
39) 1,2-DCA	6.44	62	50409	5.04707 ppb	93
40) Benzene	6.42	78	133407	4.96346 ppb	98
41) TCE	7.16	95	39835	5.22264 ppb	95
42) 2-Pentanone	7.39	43	459321	95.77771 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T07W.D Vial: 7
Acq On : 31 Jan 12 13:10 Operator:
Sample : 5.0ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	44884	4.98816 ppb		98
44)	Bromodichloromethane	7.69	83	56851	4.94254 ppb		100
45)	Methyl Cyclohexane	7.38	83	51011	4.93891 ppb		96
46)	Dibromomethane	7.51	93	24369	5.03054 ppb		98
48)	MIBK (methyl isobutyl ket	9.20	43	11230	4.56121 ppb	#	87
49)	1-Bromo-2-chloroethane	8.00	63	32240	4.81175 ppb		94
50)	Cis-1,3-Dichloropropene	8.17	75	59821	4.99785 ppb		97
51)	Toluene	8.51	91	168899	4.94648 ppb		99
52)	Trans-1,3-Dichloropropene	8.74	75	50533	4.89248 ppb		98
53)	1,1,2-TCA	8.92	83	33532	5.07027 ppb		93
54)	2-Hexanone	9.20	43	20021	5.70009 ppb		88
57)	1,2-EDB	9.41	107	35976	4.95220 ppb		97
58)	Tetrachloroethene	9.07	166	44220	5.13964 ppb		96
59)	1-Chlorohexane	9.92	91	55934	5.03676 ppb		99
60)	1,1,1,2-Tetrachloroethane	10.01	131	45664	5.00295 ppb		97
61)	m&p-Xylene	10.16	106	156386	9.77823 ppb		98
62)	o-Xylene	10.55	106	81046	5.05484 ppb		98
63)	Styrene	10.56	104	131624	4.83468 ppb		93
65)	1,3-Dichloropropane	9.08	76	64118	5.13873 ppb		95
66)	Dibromochloromethane	9.31	129	41121	4.78959 ppb		99
67)	Chlorobenzene	9.92	112	129754	5.01738 ppb		98
68)	Ethylbenzene	10.04	91	207634	4.92968 ppb		97
69)	Bromoform	10.73	173	26579	4.93802 ppb		87
71)	Isopropylbenzene	10.93	105	201870	5.14550 ppb		98
72)	1,1,2,2-Tetrachloroethane	11.21	83	44183	5.23249 ppb		98
73)	1,2,3-Trichloropropane	11.24	110	14141	5.36895 ppb		98
74)	t-1,4-Dichloro-2-Butene	11.26	53	9466	4.94202 ppb		84
75)	Bromobenzene	11.21	156	60253	5.07302 ppb		100
76)	n-Propylbenzene	11.33	91	244824	5.07375 ppb		99
77)	4-Ethyltoluene	11.45	105	142613	5.11697 ppb		99
78)	2-Chlorotoluene	11.41	91	165882	5.12359 ppb		95
79)	1,3,5-Trimethylbenzene	11.51	105	175201	5.05385 ppb		98
80)	4-Chlorotoluene	11.52	91	172710	5.24095 ppb		98
81)	Tert-Butylbenzene	11.84	119	163714	5.01807 ppb		97
82)	1,2,4-Trimethylbenzene	11.88	105	177467	5.12171 ppb		98
83)	Sec-Butylbenzene	12.05	105	222863	5.06843 ppb		99
84)	p-Isopropyltoluene	12.20	119	184801	4.95738 ppb		99
85)	Benzyl Chloride	12.37	91	47472	4.65300 ppb		98
86)	1,3-DCB	12.15	146	110258	5.10544 ppb		95
87)	1,4-DCB	12.24	146	111493	5.12058 ppb		100
88)	n-Butylbenzene	12.61	91	158614	4.99902 ppb		99
89)	1,2-DCB	12.61	146	107364	5.27852 ppb		96
90)	Hexachloroethane	12.87	117	30335	5.08889 ppb		97
91)	1,2-Dibromo-3-chloropropan	13.38	157	4979	4.53672 ppb		91
92)	1,2,4-Trichlorobenzene	14.21	180	39616	4.86061 ppb		99
93)	Hexachlorobutadiene	14.40	225	38319	5.02342 ppb		96
94)	Naphthalene	14.45	128	95642	4.62306 ppb		99
95)	1,2,3-Trichlorobenzene	14.70	180	53515	4.88146 ppb		95

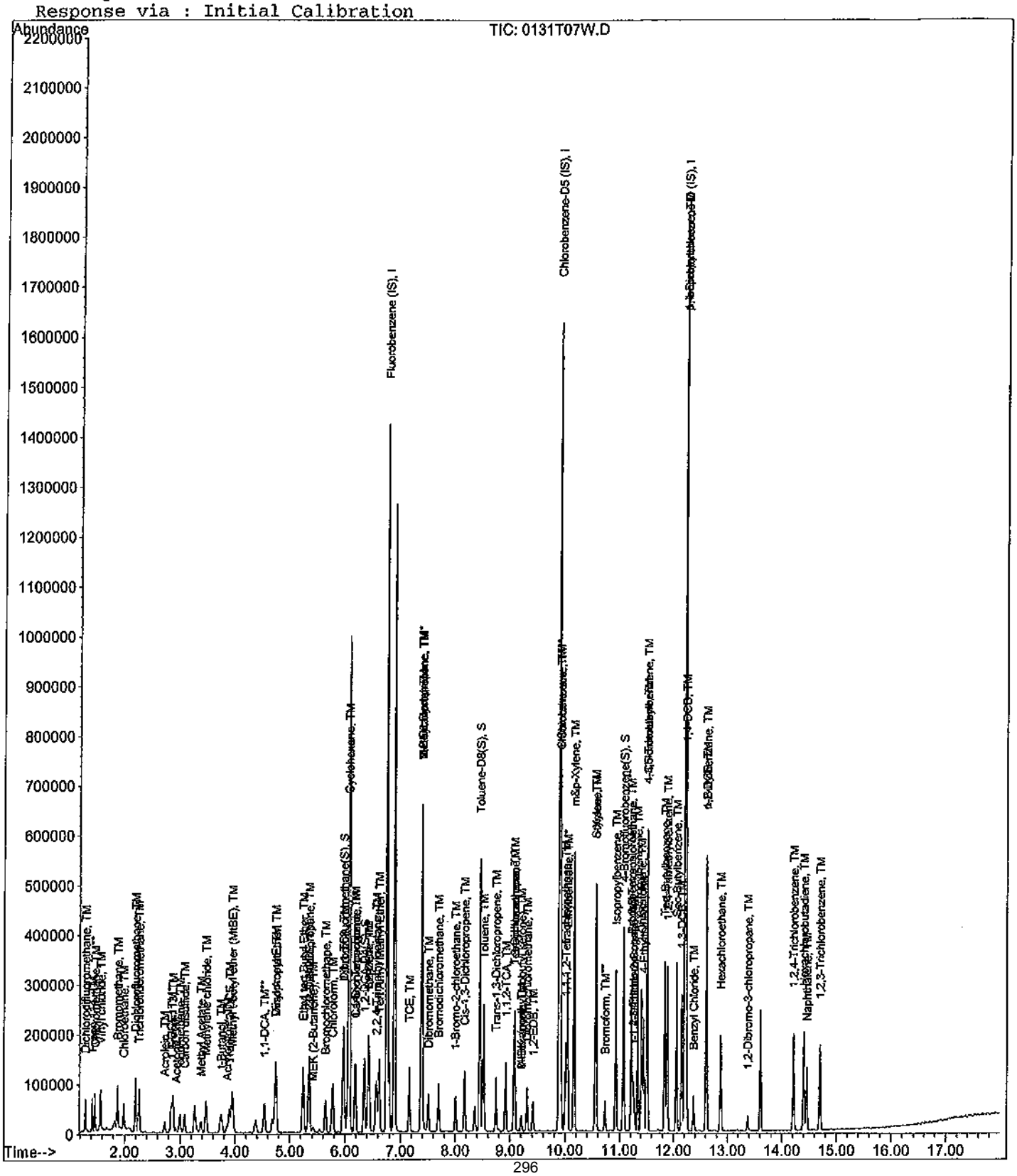
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T07W.D Vial: 7
Acq On : 31 Jan 12 13:10 Operator:
Sample : 5.0ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 8:59 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T08W.D Vial: 8
Acq On : 31 Jan 12 13:37 Operator:
Sample : 10ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	702464	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	558464	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	303936	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.97	111	234972	23.28965 ppb	0.00
Spiked Amount 32.661			Recovery =	71.308%	
36) 1,2-DCA-D4(S)	6.35	65	260929	23.80268 ppb	0.00
Spiked Amount 30.896			Recovery =	77.044%	
56) Toluene-D8(S)	8.45	98	865467	24.58056 ppb	0.00
Spiked Amount 33.937			Recovery =	72.431%	
64) 4-Bromofluorobenzene(S)	11.06	95	322262	24.28917 ppb	0.00
Spiked Amount 33.154			Recovery =	73.262%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.30	85	80498	10.32425 ppb	100
3) Freon 114	1.42	85	43171	9.73527 ppb	100
4) Chloromethane	1.47	50	101298	9.72377 ppb	100
5) Vinyl chloride	1.57	62	105243	10.01570 ppb	100
6) Bromomethane	1.87	94	57336	8.15050 ppb	100
7) Chloroethane	1.98	64	68255	10.34902 ppb	100
8) Dichlorofluoromethane	2.20	67	162909	9.66139 ppb	100
9) Trichlorofluoromethane	2.26	101	137505	10.39173 ppb	100
10) Acrolein	2.72	55	19210	124.66463 ppb	100
11) Acetone	2.93	43	18835	9.98287 ppb	100
12) Freon-113	2.87	101	65798	10.15449 ppb	100
13) 1,1-DCE	2.84	61	58140	9.78322 ppb	100
14) t-Butanol	3.75	59	23976	121.97621 ppb	100
15) Methyl Acetate	3.38	43	58544	10.49499 ppb	100
16) Iodomethane	3.00	142	96537	9.42339 ppb	100
17) Acrylonitrile	3.85	52	19888	10.61900 ppb	100
18) Methylene chloride	3.47	84	62980	10.02430 ppb	100
19) Carbon disulfide	3.08	76	106726	9.95025 ppb	100
20) Methyl t-butyl ether (MtBE	3.95	73	205683	9.65529 ppb	100
21) Trans-1,2-DCE	3.90	96	46421	9.92950 ppb	100
22) Diisopropyl Ether	4.74	59	31765	9.87086 ppb	100
23) 1,1-DCA	4.54	63	123216	9.74513 ppb	100
24) Vinyl Acetate	4.74	87	75318	9.71284 ppb	100
25) Ethyl tert Butyl Ether	5.24	59	230143	9.80758 ppb	100
26) MEK (2-Butanone)	5.41	43	24284	9.68670 ppb	100
27) Cis-1,2-DCE	5.35	96	79998	9.70695 ppb	100
28) 2,2-Dichloropropane	5.34	77	102372	9.81683 ppb	100
29) Chloroform	5.78	83	144800	9.58925 ppb	100
30) Bromochloromethane	5.65	128	37806	9.72497 ppb	100
32) 1,1,1-TCA	5.98	97	105504	9.52298 ppb	100
33) Cyclohexane	6.05	41	52032	9.18878 ppb	100
34) 1,1-Dichloropropene	6.19	75	70563	9.88004 ppb	100
35) 2,2,4-Trimethylpentane	6.57	57	205674	9.97950 ppb	100
37) Carbon Tetrachloride	6.19	117	79969	9.66212 ppb	100
38) Tert Amyl Methyl Ether	6.61	73	213618	9.63157 ppb	100
39) 1,2-DCA	6.44	62	102539	10.09810 ppb	100
40) Benzene	6.42	78	266514	9.75315 ppb	100
41) TCE	7.16	95	76531	9.86919 ppb	100
42) 2-Pentanone	7.39	43	609322	124.97231 ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T08W.D Vial: 8
Acq On : 31 Jan 12 13:37 Operator:
Sample : 10ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) 1,2-Dichloropropane	7.39	63	91780	10.03265 ppb	100
44) Bromodichloromethane	7.69	83	111774	9.55811 ppb	100
45) Methyl Cyclohexane	7.38	83	104727	9.97343 ppb	100
46) Dibromomethane	7.51	93	48068	9.76003 ppb	100
48) MIBK (methyl isobutyl ket	9.20	43	23089	9.22411 ppb	100
49) 1-Bromo-2-chloroethane	8.01	63	66120	9.70642 ppb	100
50) Cis-1,3-Dichloropropene	8.17	75	120006	9.86169 ppb	100
51) Toluene	8.51	91	339852	9.78988 ppb	100
52) Trans-1,3-Dichloropropene	8.74	75	105038	10.00275 ppb	100
53) 1,1,2-TCA	8.92	83	66286	9.85853 ppb	100
54) 2-Hexanone	9.20	43	38344	9.78079 ppb	100
57) 1,2-EDB	9.41	107	72030	9.83332 ppb	100
58) Tetrachloroethene	9.07	166	86621	9.98479 ppb	100
59) 1-Chlorohexane	9.92	91	112028	9.66903 ppb	100
60) 1,1,1,2-Tetrachloroethane	10.00	131	90252	9.80642 ppb	100
61) m&p-Xylene	10.16	106	318800	19.76890 ppb	100
62) o-Xylene	10.55	106	161101	9.96496 ppb	100
63) Styrene	10.57	104	274738	10.00814 ppb	100
65) 1,3-Dichloropropane	9.08	76	126766	10.07581 ppb	100
66) Dibromochloromethane	9.31	129	85458	9.87163 ppb	100
67) Chlorobenzene	9.92	112	254179	9.74760 ppb	100
68) Ethylbenzene	10.04	91	417163	9.82262 ppb	100
69) Bromoform	10.73	173	55211	10.17283 ppb	100
71) Isopropylbenzene	10.93	105	407051	9.81172 ppb	100
72) 1,1,2,2-Tetrachloroethane	11.21	83	90586	10.14507 ppb	100
73) 1,2,3-Trichloropropane	11.24	110	27696	9.94413 ppb	100
74) t-1,4-Dichloro-2-Butene	11.26	53	18866	9.31448 ppb	100
75) Bromobenzene	11.21	156	119830	9.54101 ppb	100
76) n-Propylbenzene	11.33	91	505368	9.90429 ppb	100
77) 4-Ethyltoluene	11.45	105	294314	9.98633 ppb	100
78) 2-Chlorotoluene	11.41	91	342296	9.99811 ppb	100
79) 1,3,5-Trimethylbenzene	11.51	105	367355	10.02103 ppb	100
80) 4-Chlorotoluene	11.52	91	350395	10.05521 ppb	100
81) Tert-Butylbenzene	11.84	119	322083	9.33596 ppb	100
82) 1,2,4-Trimethylbenzene	11.88	105	362201	9.88526 ppb	100
83) Sec-Butylbenzene	12.05	105	470262	10.11385 ppb	100
84) p-Isopropyltoluene	12.20	119	390720	9.91185 ppb	100
85) Benzyl Chloride	12.37	91	106182	9.84210 ppb	100
86) 1,3-DCB	12.15	146	226167	9.90359 ppb	100
87) 1,4-DCB	12.24	146	224511	9.75103 ppb	100
88) n-Butylbenzene	12.61	91	338958	10.10254 ppb	100
89) 1,2-DCB	12.61	146	211730	9.84411 ppb	100
90) Hexachloroethane	12.87	117	61845	9.81126 ppb	100
91) 1,2-Dibromo-3-chloropropan	13.37	157	9831	8.47107 ppb	100
92) 1,2,4-Trichlorobenzene	14.21	180	82440	9.56531 ppb	100
93) Hexachlorobutadiene	14.40	225	77099	9.55818 ppb	100
94) Naphthalene	14.45	128	212170	9.69852 ppb	100
95) 1,2,3-Trichlorobenzene	14.70	180	115943	10.00137 ppb	100

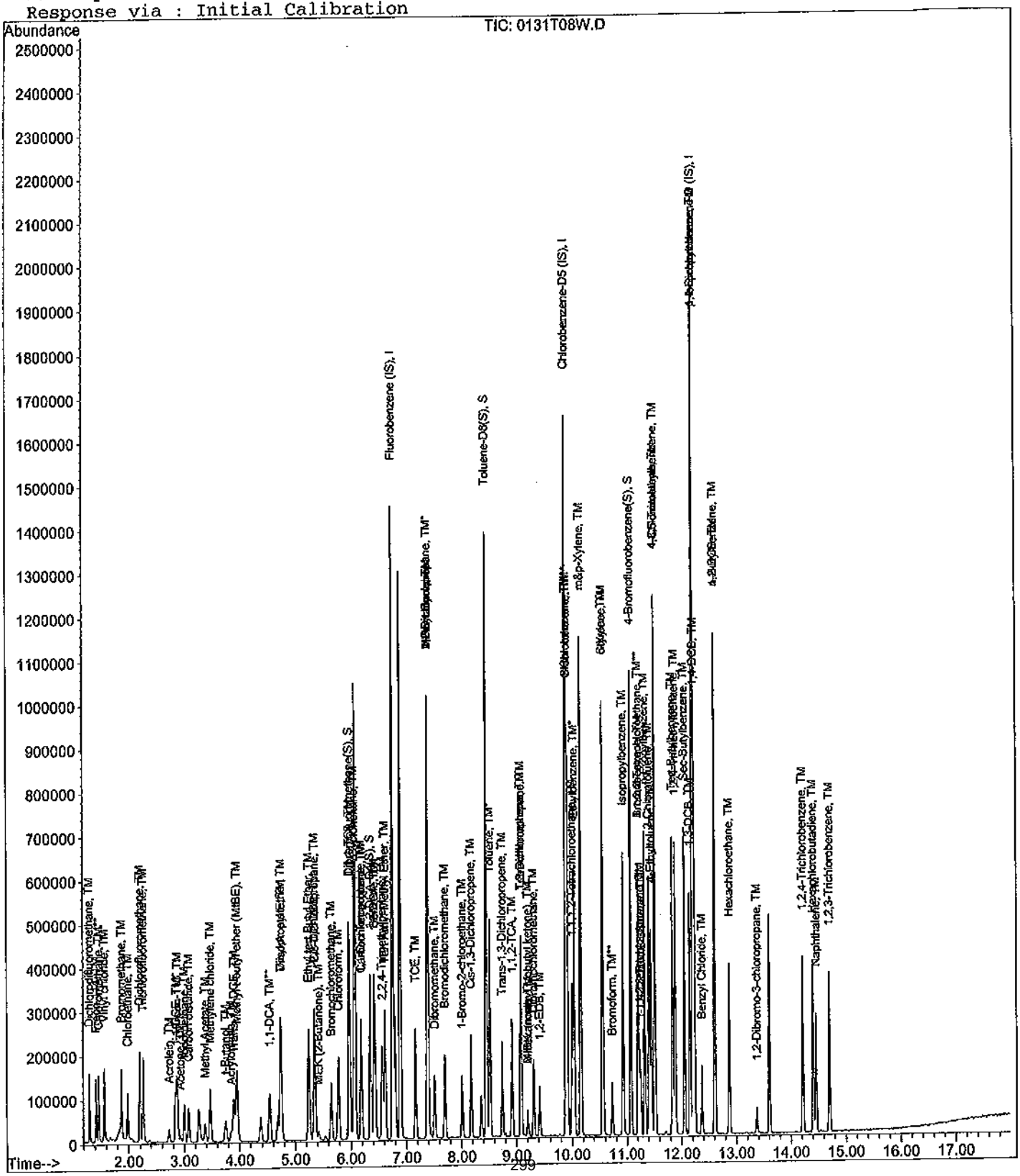
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T08W.D Vial: 8
Acq On : 31 Jan 12 13:37 Operator:
Sample : 10ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T09W.D Vial: 9
Acq On : 31 Jan 12 14:05 Operator:
Sample : 20ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	723968	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	585472	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	328256	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	363824	34.98992 ppb	0.00
Spiked Amount 32.661			Recovery = 107.131%		
36) 1,2-DCA-D4(S)	6.35	65	388724	34.40722 ppb	0.00
Spiked Amount 30.896			Recovery = 111.366%		
56) Toluene-D8(S)	8.45	98	1366328	37.01564 ppb	0.00
Spiked Amount 33.937			Recovery = 109.073%		
64) 4-Bromofluorobenzene(S)	11.06	95	513810	36.93985 ppb	0.00
Spiked Amount 33.154			Recovery = 111.420%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.30	85	168866	21.01455 ppb	99
3) Freon 114	1.42	85	98396	21.52970 ppb	100
4) Chloromethane	1.46	50	197601	18.40465 ppb	99
5) Vinyl chloride	1.57	62	205612	18.98634 ppb	99
6) Bromomethane	1.87	94	121977	16.82440 ppb	99
7) Chloroethane	1.98	64	131466	19.09849 ppb	96
8) Dichlorofluoromethane	2.19	67	331793	19.09266 ppb	99
9) Trichlorofluoromethane	2.25	101	270078	19.80448 ppb	100
10) Acrolein	2.72	55	25382	159.82563 ppb	76
11) Acetone	2.92	43	36198	20.07086 ppb	89
12) Freon-113	2.87	101	140413	21.02603 ppb	98
13) 1,1-DCE	2.83	61	123129	20.10352 ppb	98
14) t-Butanol	3.75	59	29152	143.90353 ppb	96
15) Methyl Acetate	3.37	43	107117	18.87457 ppb	91
16) Iodomethane	2.99	142	216832	19.07597 ppb	97
17) Acrylonitrile	3.84	52	39711	20.57349 ppb	93
18) Methylene chloride	3.47	84	126678	19.74670 ppb	100
19) Carbon disulfide	3.07	76	223175	20.18895 ppb	100
20) Methyl t-butyl ether (MtBE	3.95	73	423395	19.28490 ppb	97
21) Trans-1,2-DCE	3.89	96	94154	19.54142 ppb	96
22) Diisopropyl Ether	4.73	59	64383	19.41252 ppb	97
23) 1,1-DCA	4.53	63	250125	19.19474 ppb	99
24) Vinyl Acetate	4.74	87	156878	19.62972 ppb	97
25) Ethyl tert Butyl Ether	5.24	59	465967	19.26744 ppb	98
26) MEK (2-Butanone)	5.41	43	48984	18.48787 ppb	99
27) Cis-1,2-DCE	5.35	96	160976	18.95263 ppb	96
28) 2,2-Dichloropropane	5.34	77	206685	19.23109 ppb	97
29) Chloroform	5.78	83	294758	18.94028 ppb	100
30) Bromochloromethane	5.64	128	76221	19.02422 ppb	96
32) 1,1,1-TCA	5.98	97	227160	19.89485 ppb	99
33) Cyclohexane	6.05	41	108512	18.59386 ppb	97
34) 1,1-Dichloropropene	6.19	75	146535	19.90800 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	436405	20.54584 ppb	99
37) Carbon Tetrachloride	6.18	117	173615	20.35366 ppb	96
38) Tert Amyl Methyl Ether	6.61	73	438091	19.16585 ppb	99
39) 1,2-DCA	6.44	62	203094	19.40672 ppb	97
40) Benzene	6.42	78	537333	19.07977 ppb	99
41) TCE	7.16	95	154834	19.37382 ppb	98
42) 2-Pentanone	7.39	43	731254	145.52576 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T09W.D Vial: 9
Acq On : 31 Jan 12 14:05 Operator:
Sample : 20ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	178412	18.92328	ppb	98
44)	Bromodichloromethane	7.69	83	232470	19.28869	ppb	99
45)	Methyl Cyclohexane	7.37	83	223077	20.61320	ppb	97
46)	Dibromomethane	7.51	93	94471	18.61223	ppb	99
48)	MIBK (methyl isobutyl ket	9.20	43	46675	18.09290	ppb	92
49)	1-Bromo-2-chloroethane	8.00	63	133824	19.06185	ppb	99
50)	Cis-1,3-Dichloropropene	8.17	75	245997	19.61475	ppb	98
51)	Toluene	8.51	91	689835	19.28136	ppb	99
52)	Trans-1,3-Dichloropropene	8.74	75	217622	20.10854	ppb	98
53)	1,1,2-TCA	8.92	83	135278	19.52190	ppb	98
54)	2-Hexanone	9.20	43	75943	17.79813	ppb	93
57)	1,2-EDB	9.41	107	146992	19.14121	ppb	100
58)	Tetrachloroethene	9.07	166	176756	19.43476	ppb	99
59)	1-Chlorohexane	9.92	91	241347	19.51051	ppb	100
60)	1,1,1,2-Tetrachloroethane	10.01	131	190094	19.70204	ppb	97
61)	m&p-Xylene	10.16	106	673243	39.82219	ppb	99
62)	o-Xylene	10.55	106	338937	19.99794	ppb	99
63)	Styrene	10.56	104	585526	20.34557	ppb	94
65)	1,3-Dichloropropane	9.08	76	255704	19.38669	ppb	96
66)	Dibromochloromethane	9.31	129	177865	19.59818	ppb	99
67)	Chlorobenzene	9.92	112	526484	19.25894	ppb	99
68)	Ethylbenzene	10.04	91	876095	19.67714	ppb	99
69)	Bromoform	10.73	173	115017	20.21469	ppb	95
71)	Isopropylbenzene	10.93	105	854709	19.07586	ppb	100
72)	1,1,2,2-Tetrachloroethane	11.21	83	188444	19.54096	ppb	95
73)	1,2,3-Trichloropropane	11.24	110	56738	18.86224	ppb	95
74)	t-1,4-Dichloro-2-Butene	11.26	53	39745	18.16899	ppb	98
75)	Bromobenzene	11.21	156	247689	18.26017	ppb	99
76)	n-Propylbenzene	11.33	91	1081033	19.61662	ppb	99
77)	4-Ethyltoluene	11.45	105	635479	19.96483	ppb	98
78)	2-Chlorotoluene	11.41	91	720101	19.47507	ppb	98
79)	1,3,5-Trimethylbenzene	11.51	105	780550	19.71499	ppb	98
80)	4-Chlorotoluene	11.52	91	743251	19.74868	ppb	98
81)	Tert-Butylbenzene	11.84	119	695207	18.65843	ppb	99
82)	1,2,4-Trimethylbenzene	11.88	105	786409	19.87268	ppb	97
83)	Sec-Butylbenzene	12.05	105	996067	19.83510	ppb	100
84)	p-Isopropyltoluene	12.20	119	839992	19.73029	ppb	99
85)	Benzyl Chloride	12.37	91	236962	20.33691	ppb	99
86)	1,3-DCB	12.15	146	470189	19.06362	ppb	97
87)	1,4-DCB	12.24	146	472581	19.00459	ppb	99
88)	n-Butylbenzene	12.61	91	741825	20.47177	ppb	99
89)	1,2-DCB	12.61	146	440609	18.96780	ppb	97
90)	Hexachloroethane	12.87	117	126986	18.65286	ppb	96
91)	1,2-Dibromo-3-chloropropan	13.37	157	21848	17.43098	ppb	96
92)	1,2,4-Trichlorobenzene	14.21	180	179456	19.27918	ppb	98
93)	Hexachlorobutadiene	14.40	225	162188	18.61721	ppb	97
94)	Naphthalene	14.45	128	484573	20.50927	ppb	99
95)	1,2,3-Trichlorobenzene	14.70	180	252279	20.14955	ppb	99

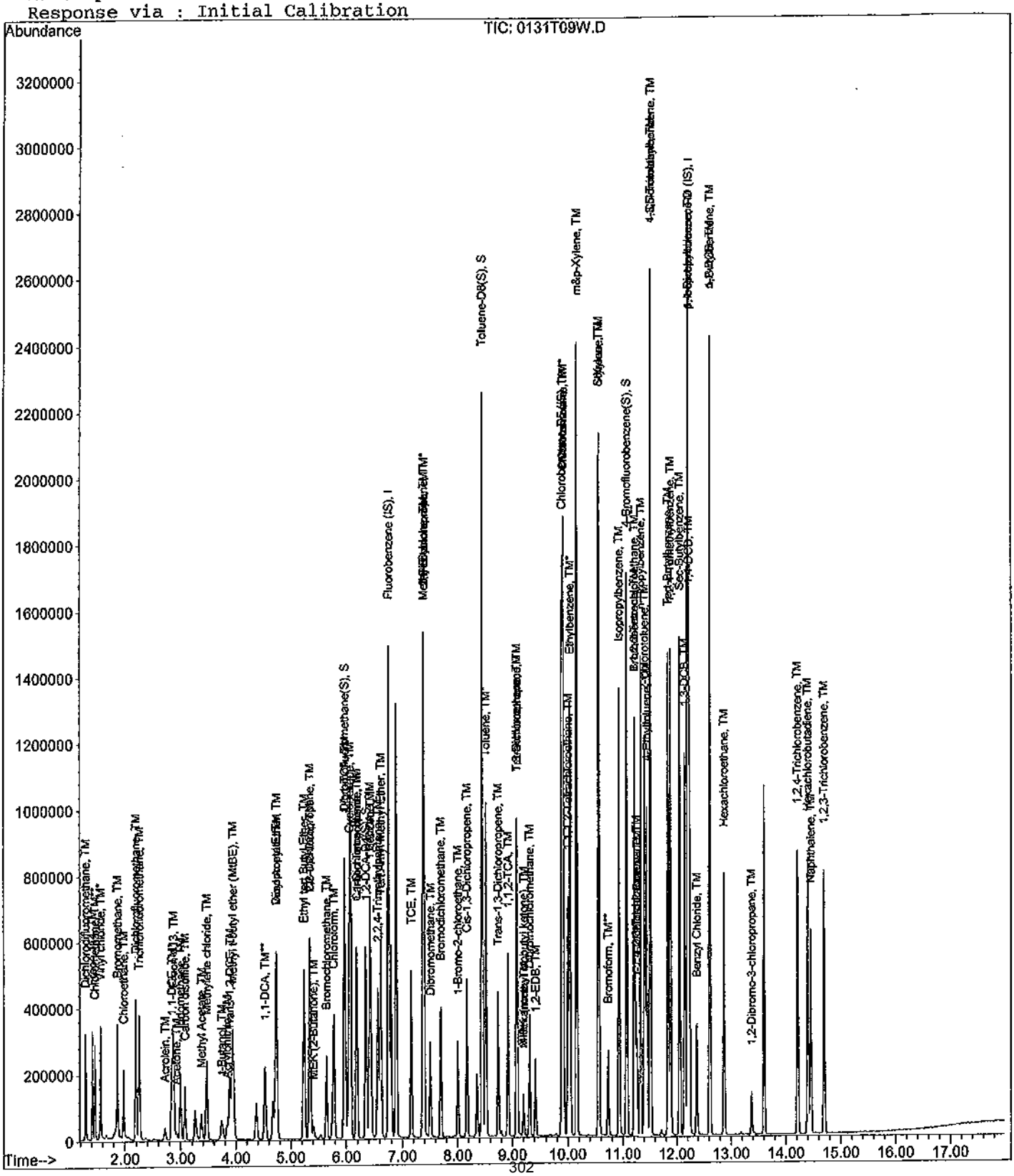
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T09W.D Vial: 9
Acq On : 31 Jan 12 14:05 Operator:
Sample : 20ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T10W.D Vial: 10
Acq On : 31 Jan 12 14:32 Operator:
Sample : 40ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	731648	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	596288	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	348480	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	772321	73.49649 ppb	0.00
Spiked Amount 32.661			Recovery = 225.026%		
36) 1,2-DCA-D4(S)	6.35	65	822772	72.06178 ppb	0.00
Spiked Amount 30.896			Recovery = 233.244%		
56) Toluene-D8(S)	8.45	98	2850702	75.82845 ppb	0.00
Spiked Amount 33.937			Recovery = 223.438%		
64) 4-Bromofluorobenzene(S)	11.06	95	1091603	77.05617 ppb	0.00
Spiked Amount 33.154			Recovery = 232.420%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.29	85	366232	45.09739 ppb	99
3) Freon 114	1.41	85	196474	42.53857 ppb	98
4) Chloromethane	1.46	50	414855	38.23418 ppb	98
5) Vinyl chloride	1.56	62	432186	39.48940 ppb	99
6) Bromomethane	1.86	94	307876	42.01986 ppb	98
7) Chloroethane	1.96	64	274886	39.21580 ppb	95
8) Dichlorofluoromethane	2.19	67	665874	37.91477 ppb	98
9) Trichlorofluoromethane	2.24	101	559660	40.60838 ppb	96
10) Acrolein	2.71	55	33967	211.63864 ppb	87
11) Acetone	2.92	43	71700	40.95388 ppb	91
12) Freon-113	2.86	101	281016	41.63880 ppb	99
13) 1,1-DCE	2.83	61	238448	38.52322 ppb	99
14) t-Butanol	3.75	59	37568	183.50097 ppb	98
15) Methyl Acetate	3.37	43	218942	38.49348 ppb	92
16) Iodomethane	2.99	142	452363	38.06058 ppb	99
17) Acrylonitrile	3.83	52	78122	40.04863 ppb	88
18) Methylene chloride	3.46	84	250857	38.87761 ppb	97
19) Carbon disulfide	3.06	76	453394	40.58460 ppb	99
20) Methyl t-butyl ether (MtBE	3.94	73	858890	38.71028 ppb	97
21) Trans-1,2-DCE	3.88	96	187302	38.46600 ppb	96
22) Diisopropyl Ether	4.73	59	128954	38.47359 ppb	96
23) 1,1-DCA	4.53	63	505516	38.38638 ppb	99
24) Vinyl Acetate	4.73	87	316007	39.12605 ppb	99
25) Ethyl tert Butyl Ether	5.23	59	961289	39.33146 ppb	99
26) MEK (2-Butanone)	5.41	43	100854	37.15490 ppb	99
27) Cis-1,2-DCE	5.34	96	327168	38.11503 ppb	96
28) 2,2-Dichloropropane	5.34	77	412923	38.01729 ppb	99
29) Chloroform	5.77	83	592812	37.69250 ppb	100
30) Bromochloromethane	5.64	128	153434	37.89405 ppb	98
32) 1,1,1-TCA	5.98	97	453500	39.30097 ppb	97
33) Cyclohexane	6.05	41	221548	37.56443 ppb	97
34) 1,1-Dichloropropene	6.18	75	302292	40.63780 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	904365	42.13036 ppb	100
37) Carbon Tetrachloride	6.18	117	357309	41.44923 ppb	99
38) Tert Amyl Methyl Ether	6.61	73	902161	39.05396 ppb	97
39) 1,2-DCA	6.43	62	400563	37.87417 ppb	100
40) Benzene	6.41	78	1080773	37.97356 ppb	98
41) TCE	7.16	95	308576	38.20571 ppb	98
42) 2-Pentanone	7.39	43	908474	178.89628 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T10W.D Vial: 10
Acq On : 31 Jan 12 14:32 Operator:
Sample : 40ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	1,2-Dichloropropane	7.39	63	359061	37.68406 ppb	98
44)	Bromodichloromethane	7.69	83	478560	39.29066 ppb	99
45)	Methyl Cyclohexane	7.37	83	452933	41.41348 ppb	99
46)	Dibromomethane	7.51	93	192180	37.46496 ppb	99
48)	MIBK (methyl isobutyl ket	9.20	43	99747	38.25965 ppb	92
49)	1-Bromo-2-chloroethane	8.00	63	265600	37.43487 ppb	99
50)	Cis-1,3-Dichloropropene	8.17	75	504742	39.82352 ppb	99
51)	Toluene	8.51	91	1399788	38.71434 ppb	99
52)	Trans-1,3-Dichloropropene	8.74	75	455647	41.66039 ppb	99
53)	1,1,2-TCA	8.92	83	275567	39.34951 ppb	99
54)	2-Hexanone	9.20	43	159010	35.71415 ppb	93
57)	1,2-EDB	9.41	107	304014	38.87044 ppb	99
58)	Tetrachloroethene	9.07	166	359421	38.80239 ppb	99
59)	1-Chlorohexane	9.92	91	495431	38.97862 ppb	100
60)	1,1,1,2-Tetrachloroethane	10.00	131	394365	40.13203 ppb	100
61)	m&p-Xylene	10.16	106	1392390	80.86567 ppb	99
62)	o-Xylene	10.55	106	699355	40.51484 ppb	100
63)	Styrene	10.56	104	1239060	42.27330 ppb	96
65)	1,3-Dichloropropane	9.08	76	524547	39.04817 ppb	97
66)	Dibromochloromethane	9.31	129	378765	40.97746 ppb	99
67)	Chlorobenzene	9.92	112	1076012	38.64687 ppb	99
68)	Ethylbenzene	10.04	91	1789567	39.46470 ppb	99
69)	Bromoform	10.73	173	247405	42.69368 ppb	98
71)	Isopropylbenzene	10.93	105	1781100	37.44459 ppb	98
72)	1,1,2,2-Tetrachloroethane	11.21	83	394371	38.52151 ppb	95
73)	1,2,3-Trichloropropane	11.24	110	115853	36.27951 ppb	97
74)	t-1,4-Dichloro-2-Butene	11.26	53	86656	37.31486 ppb	99
75)	Bromobenzene	11.21	156	513777	35.67859 ppb	98
76)	n-Propylbenzene	11.33	91	2245373	38.38031 ppb	100
77)	4-Ethyltoluene	11.45	105	1325634	39.23041 ppb	98
78)	2-Chlorotoluene	11.41	91	1488915	37.93064 ppb	98
79)	1,3,5-Trimethylbenzene	11.51	105	1633178	38.85655 ppb	98
80)	4-Chlorotoluene	11.52	91	1543071	38.62098 ppb	100
81)	Tert-Butylbenzene	11.84	119	1447996	36.60691 ppb	99
82)	1,2,4-Trimethylbenzene	11.88	105	1648310	39.23573 ppb	98
83)	Sec-Butylbenzene	12.05	105	2086184	39.13212 ppb	99
84)	p-Isopropyltoluene	12.20	119	1784838	39.49044 ppb	99
85)	Benzyl Chloride	12.37	91	542018	43.81822 ppb	99
86)	1,3-DCB	12.15	146	982941	37.54009 ppb	97
87)	1,4-DCB	12.24	146	992315	37.58950 ppb	99
88)	n-Butylbenzene	12.61	91	1587176	41.25854 ppb	98
89)	1,2-DCB	12.61	146	924204	37.47713 ppb	99
90)	Hexachloroethane	12.87	117	281964	39.01379 ppb	98
91)	1,2-Dibromo-3-chloropropan	13.37	157	48888	36.74069 ppb	98
92)	1,2,4-Trichlorobenzene	14.21	180	401664	40.64697 ppb	99
93)	Hexachlorobutadiene	14.40	225	341517	36.92692 ppb	98
94)	Naphthalene	14.45	128	1131959	45.12908 ppb	99
95)	1,2,3-Trichlorobenzene	14.69	180	580567	43.67888 ppb	97

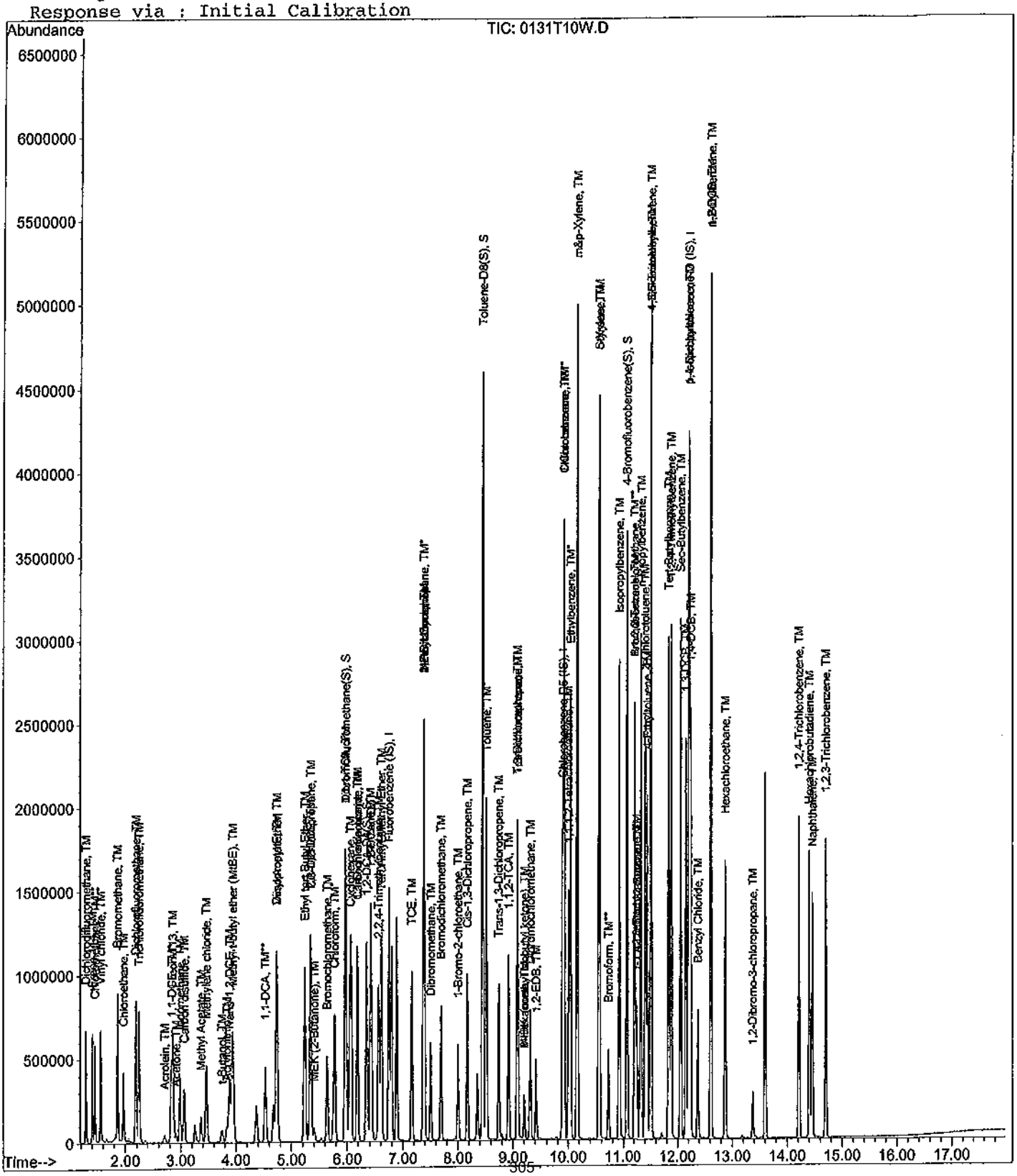
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T10W.D Vial: 10
Acq On : 31 Jan 12 14:32 Operator:
Sample : 40ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T11W.D Vial: 11
Acq On : 31 Jan 12 15:00 Operator:
Sample : 100ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	6.75	96	709248	25.00000 ppb		0.00
55) Chlorobenzene-D5 (IS)	9.89	117	610560	25.00000 ppb		0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	366848	25.00000 ppb		0.00
System Monitoring Compounds						
31) Dibromofluoromethane(S)	5.97	111	1056189	103.68465 ppb		0.00
Spiked Amount 32.661			Recovery = 317.457%			
36) 1,2-DCA-D4(S)	6.35	65	1065830	96.29805 ppb		0.00
Spiked Amount 30.896			Recovery = 311.689%			
56) Toluene-D8(S)	8.45	98	3893668	101.15026 ppb		0.00
Spiked Amount 33.937			Recovery = 298.053%			
64) 4-Bromofluorobenzene(S)	11.06	95	1551620	106.96847 ppb		0.00
Spiked Amount 33.154			Recovery = 322.642%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	892855	113.41752 ppb		100
3) Freon 114	1.42	85	501654	112.04336 ppb		96
4) Chloromethane	1.46	50	1061858	100.95458 ppb		99
5) Vinyl chloride	1.57	62	1077997	101.60884 ppb		100
6) Bromomethane	1.87	94	748901	105.44044 ppb		98
7) Chloroethane	1.97	64	685463	100.43882 ppb		95
8) Dichlorofluoromethane	2.19	67	1706522	100.23799 ppb		100
9) Trichlorofluoromethane	2.25	101	1413464	105.79867 ppb		99
10) Acrolein	2.72	55	54592	350.88988 ppb	#	58
11) Acetone	2.93	43	184939	111.76507 ppb		92
12) Freon-113	2.86	101	711043	108.68437 ppb		98
13) 1,1-DCE	2.83	61	612938	102.15262 ppb		100
14) t-Butanol	3.77	59	40816	205.66235 ppb		97
15) Methyl Acetate	3.38	43	552751	100.75335 ppb		93
16) Iodomethane	2.99	142	1188265	101.01657 ppb		99
17) Acrylonitrile	3.85	52	198246	104.83898 ppb		89
18) Methylene chloride	3.47	84	626610	100.48130 ppb		98
19) Carbon disulfide	3.07	76	1175238	108.52139 ppb		100
20) Methyl t-butyl ether (MtBE	3.95	73	2190300	101.83486 ppb		97
21) Trans-1,2-DCE	3.89	96	476518	100.95271 ppb		95
22) Diisopropyl Ether	4.74	59	334315	102.89349 ppb		95
23) 1,1-DCA	4.53	63	1295109	101.45013 ppb		98
24) Vinyl Acetate	4.74	87	829601	105.96018 ppb		99
25) Ethyl tert Butyl Ether	5.24	59	2486737	104.95908 ppb		99
26) MEK (2-Butanone)	5.41	43	269116	101.41174 ppb		99
27) Cis-1,2-DCE	5.35	96	843406	101.35992 ppb		98
28) 2,2-Dichloropropane	5.34	77	1072263	101.83978 ppb		98
29) Chloroform	5.78	83	1531668	100.46313 ppb		99
30) Bromochloromethane	5.65	128	397504	101.27331 ppb		99
32) 1,1,1-TCA	5.98	97	1172576	104.82650 ppb		97
33) Cyclohexane	6.05	41	573570	100.32276 ppb		97
34) 1,1-Dichloropropene	6.19	75	763868	105.93170 ppb		98
35) 2,2,4-Trimethylpentane	6.57	57	2352574	113.05734 ppb		98
37) Carbon Tetrachloride	6.18	117	930759	111.38171 ppb		96
38) Tert Amyl Methyl Ether	6.61	73	2347917	104.84984 ppb		96
39) 1,2-DCA	6.44	62	1031380	100.59932 ppb		99
40) Benzene	6.42	78	2771253	100.44471 ppb		98
41) TCE	7.16	95	796510	101.73291 ppb		97
42) 2-Pentanone	7.39	43	1095839	222.60742 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T11W.D Vial: 11
Acq On : 31 Jan 12 15:00 Operator:
Sample : 100ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
43)	1,2-Dichloropropane	7.39	63	931636	100.86485	ppb	98
44)	Bromodichloromethane	7.69	83	1241072	105.11241	ppb	99
45)	Methyl Cyclohexane	7.37	83	1183892	111.66675	ppb	100
46)	Dibromomethane	7.51	93	492574	99.05872	ppb	98
48)	MIBK (methyl isobutyl ket	9.20	43	286094	113.20196	ppb	96
49)	1-Bromo-2-chloroethane	8.01	63	685376	99.65090	ppb	99
50)	Cis-1,3-Dichloropropene	8.17	75	1326253	107.94453	ppb	98
51)	Toluene	8.51	91	3671452	104.74939	ppb	98
52)	Trans-1,3-Dichloropropene	8.74	75	1210850	114.20609	ppb	97
53)	1,1,2-TCA	8.92	83	717555	105.69912	ppb	99
54)	2-Hexanone	9.20	43	449704	102.11878	ppb	96
57)	1,2-EDB	9.41	107	783835	97.87645	ppb	99
58)	Tetrachloroethene	9.07	166	919233	96.91887	ppb	100
59)	1-Chlorohexane	9.92	91	1315417	100.53072	ppb	98
60)	1,1,1,2-Tetrachloroethane	10.01	131	1079910	107.32676	ppb	99
61)	m&p-Xylene	10.16	106	3713178	210.60894	ppb	99
62)	o-Xylene	10.55	106	1883392	106.55771	ppb	99
63)	Styrene	10.57	104	3400014	113.28757	ppb	98
65)	1,3-Dichloropropane	9.08	76	1347460	97.96250	ppb	99
66)	Dibromochloromethane	9.31	129	1015656	107.31233	ppb	99
67)	Chlorobenzene	9.92	112	2850249	99.97876	ppb	98
68)	Ethylbenzene	10.04	91	4751009	102.32326	ppb	100
69)	Bromoform	10.73	173	694633	117.06801	ppb	98
71)	Isopropylbenzene	10.93	105	4859710	97.05162	ppb	98
72)	1,1,2,2-Tetrachloroethane	11.21	83	1064590	98.78078	ppb	96
73)	1,2,3-Trichloropropane	11.24	110	309940	92.19842	ppb	95
74)	t-1,4-Dichloro-2-Butene	11.27	53	235447	96.30925	ppb	97
75)	Bromobenzene	11.21	156	1389883	91.68598	ppb	99
76)	n-Propylbenzene	11.33	91	6142684	99.74011	ppb	99
77)	4-Ethyltoluene	11.45	105	3616939	101.67918	ppb	98
78)	2-Chlorotoluene	11.41	91	4025562	97.41785	ppb	98
79)	1,3,5-Trimethylbenzene	11.51	105	4502740	101.76519	ppb	99
80)	4-Chlorotoluene	11.52	91	4241552	100.84488	ppb	99
81)	Tert-Butylbenzene	11.84	119	3976151	95.48832	ppb	98
82)	1,2,4-Trimethylbenzene	11.88	105	4562437	103.16477	ppb	99
83)	Sec-Butylbenzene	12.06	105	5789861	103.16695	ppb	100
84)	p-Isopropyltoluene	12.20	119	4958898	104.22457	ppb	98
85)	Benzyl Chloride	12.37	91	1672963	128.47514	ppb	99
86)	1,3-DCB	12.15	146	2714092	98.46550	ppb	98
87)	1,4-DCB	12.24	146	2735808	98.44515	ppb	99
88)	n-Butylbenzene	12.61	91	4520103	111.61660	ppb	99
89)	1,2-DCB	12.61	146	2564687	98.79262	ppb	98
90)	Hexachloroethane	12.87	117	829013	108.96261	ppb	98
91)	1,2-Dibromo-3-chloropropan	13.37	157	143808	102.66438	ppb	95
92)	1,2,4-Trichlorobenzene	14.21	180	1201152	115.46622	ppb	99
93)	Hexachlorobutadiene	14.40	225	964377	99.05338	ppb	98
94)	Naphthalene	14.45	128	3324999	125.92414	ppb	100
95)	1,2,3-Trichlorobenzene	14.70	180	1670073	119.35656	ppb	100

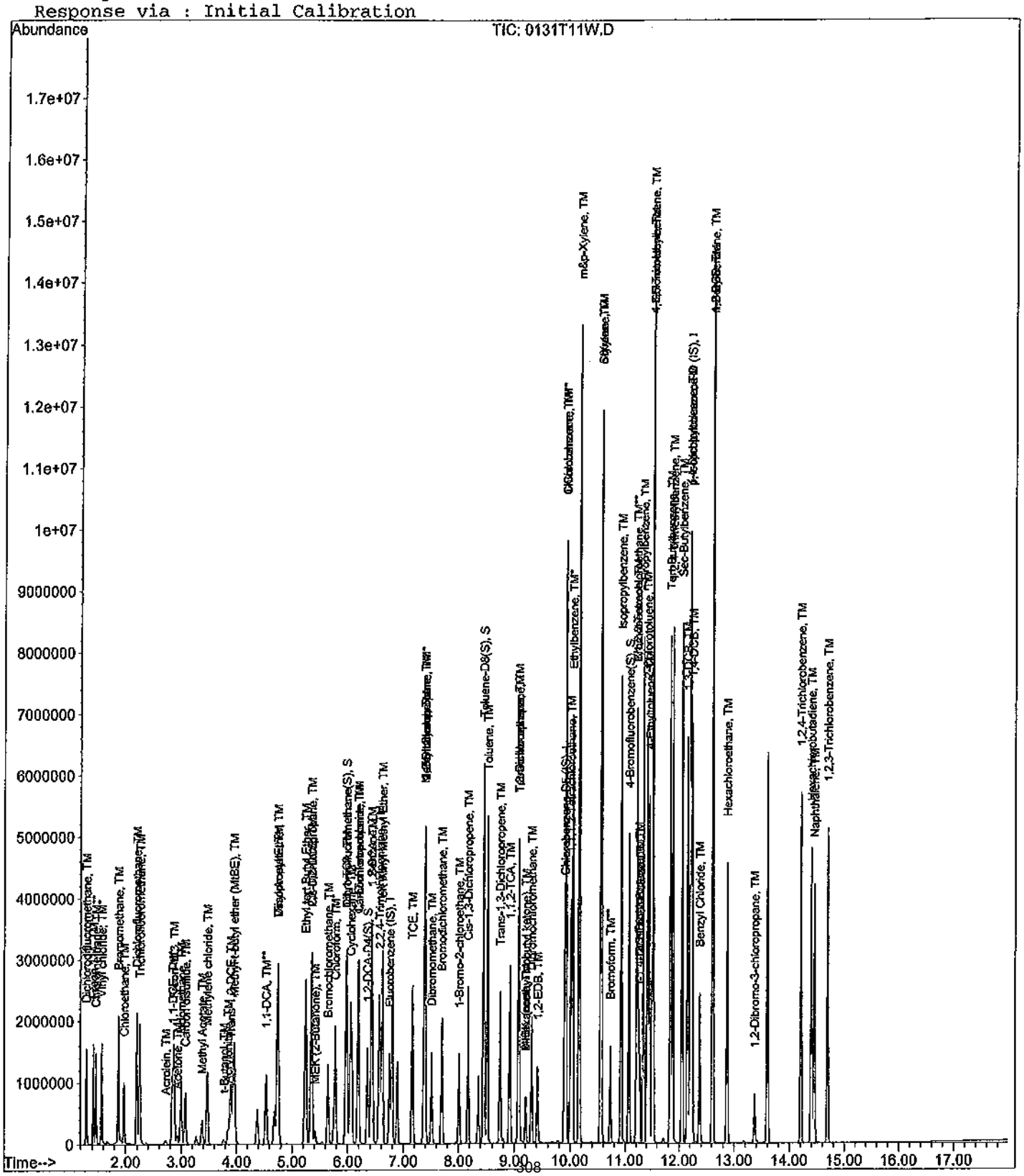
(#) = qualifier out of range (m) = manual integration

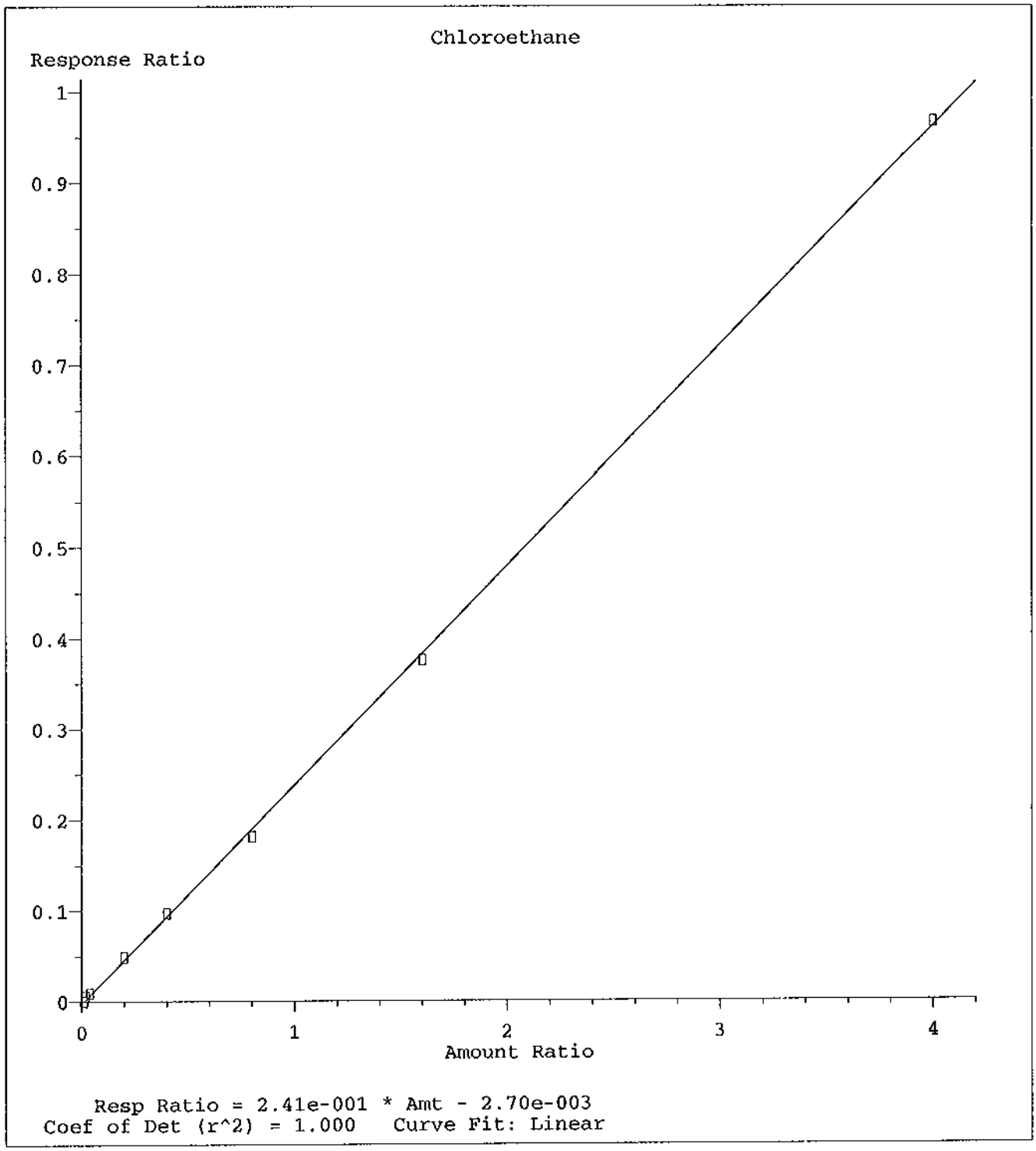
Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T11W.D Vial: 11
Acq On : 31 Jan 12 15:00 Operator:
Sample : 100ug/L VOC STD 1-31-12 Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

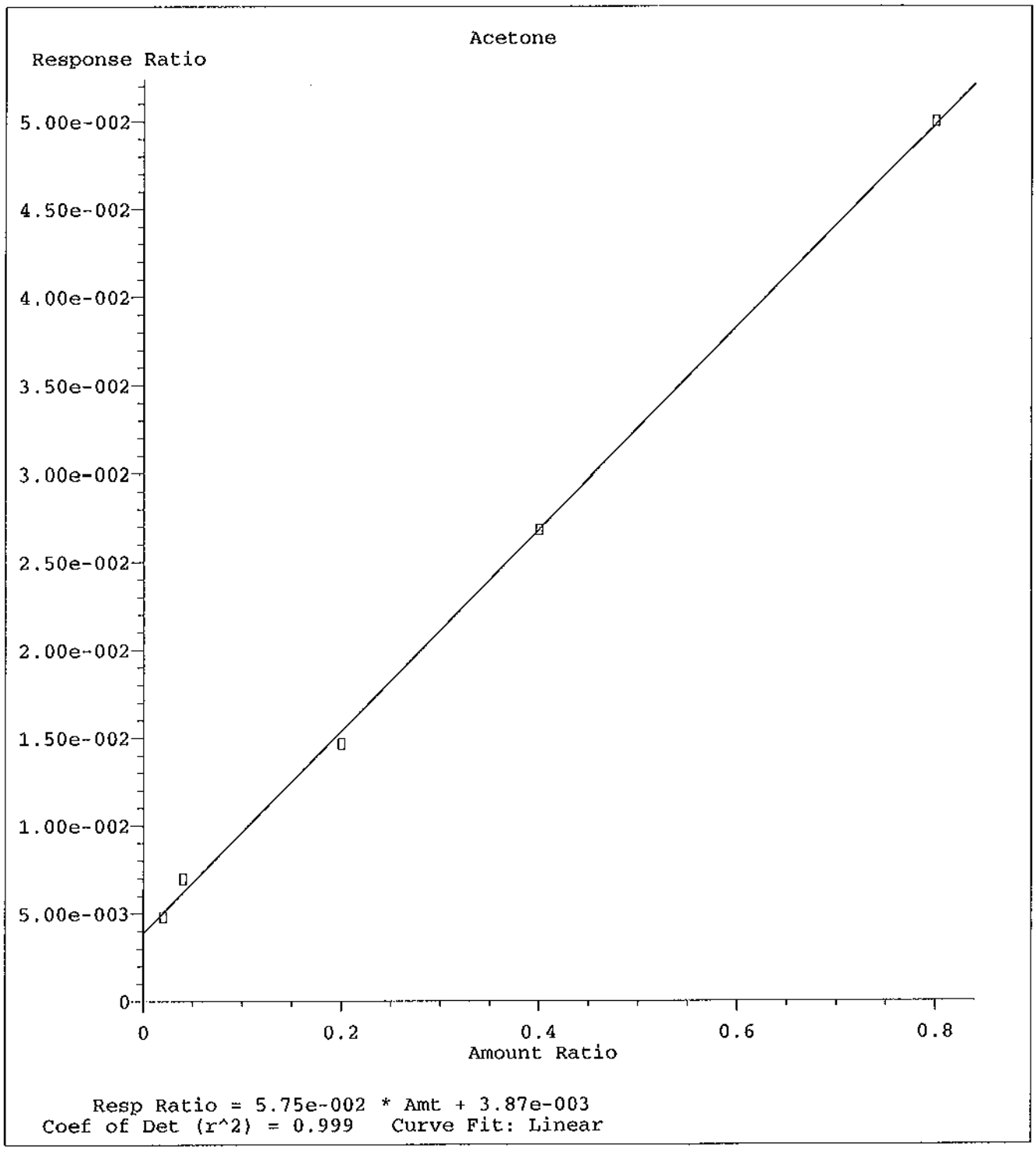
Quant Time: Feb 1 9:00 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration

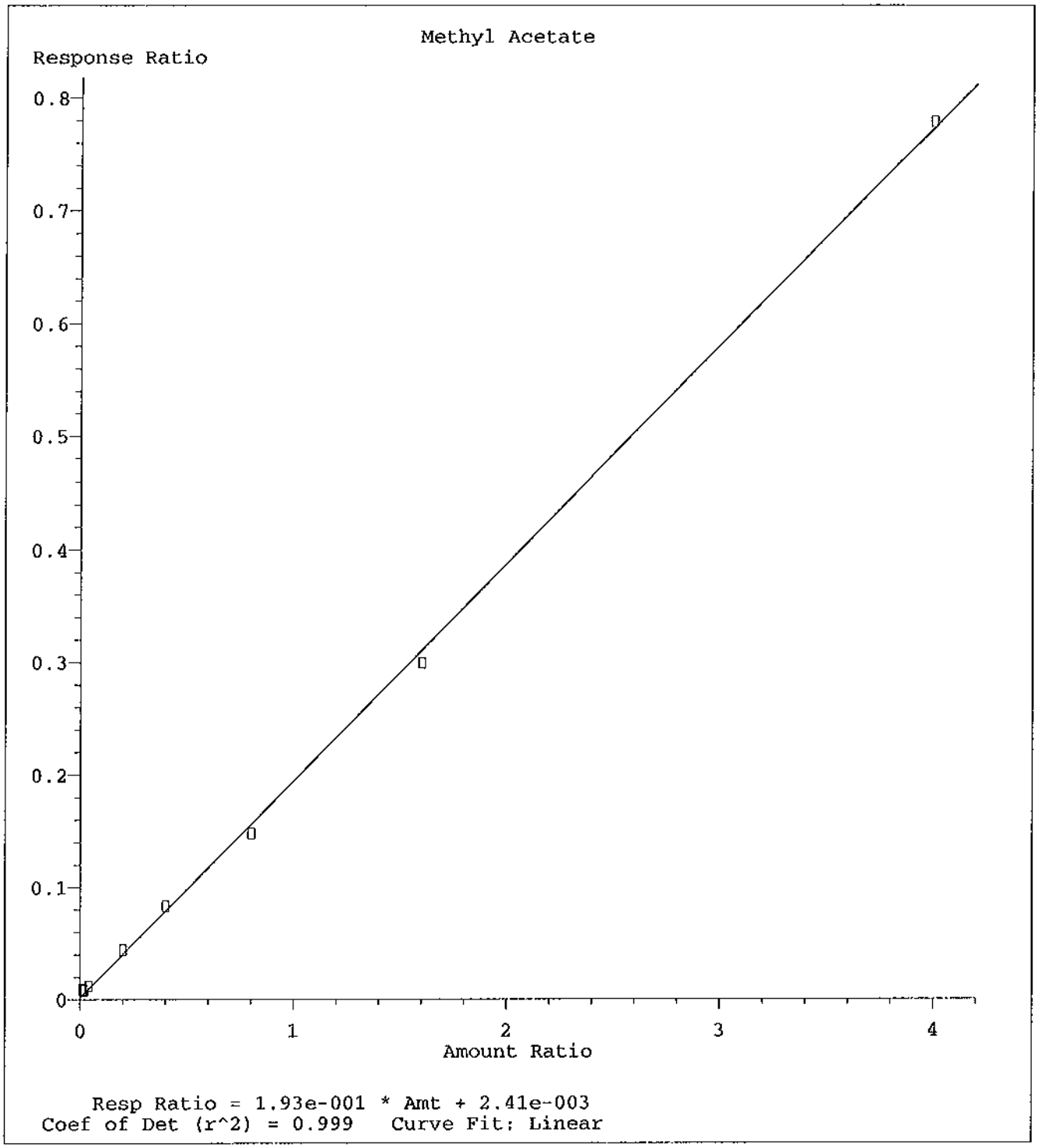




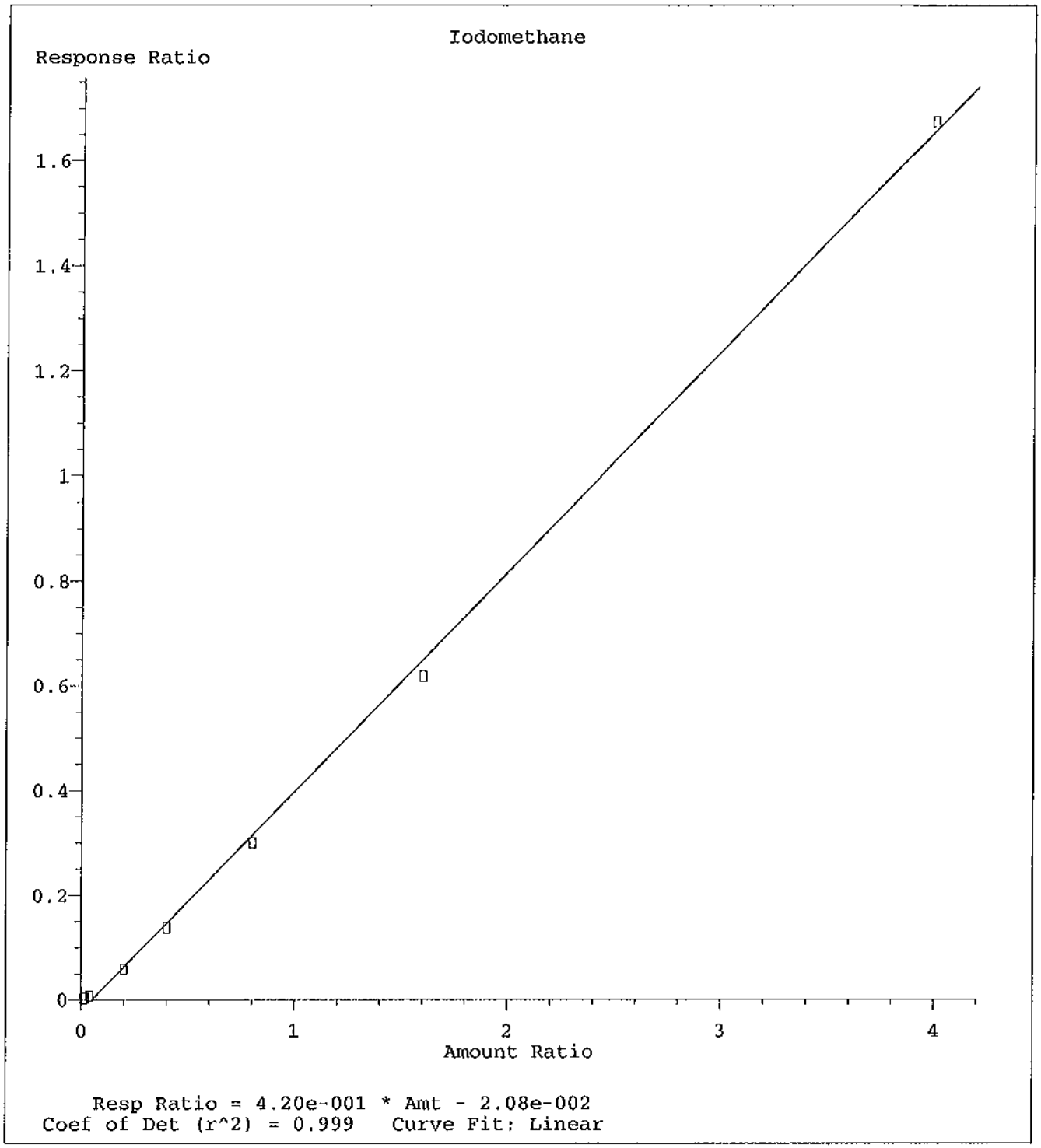
Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012



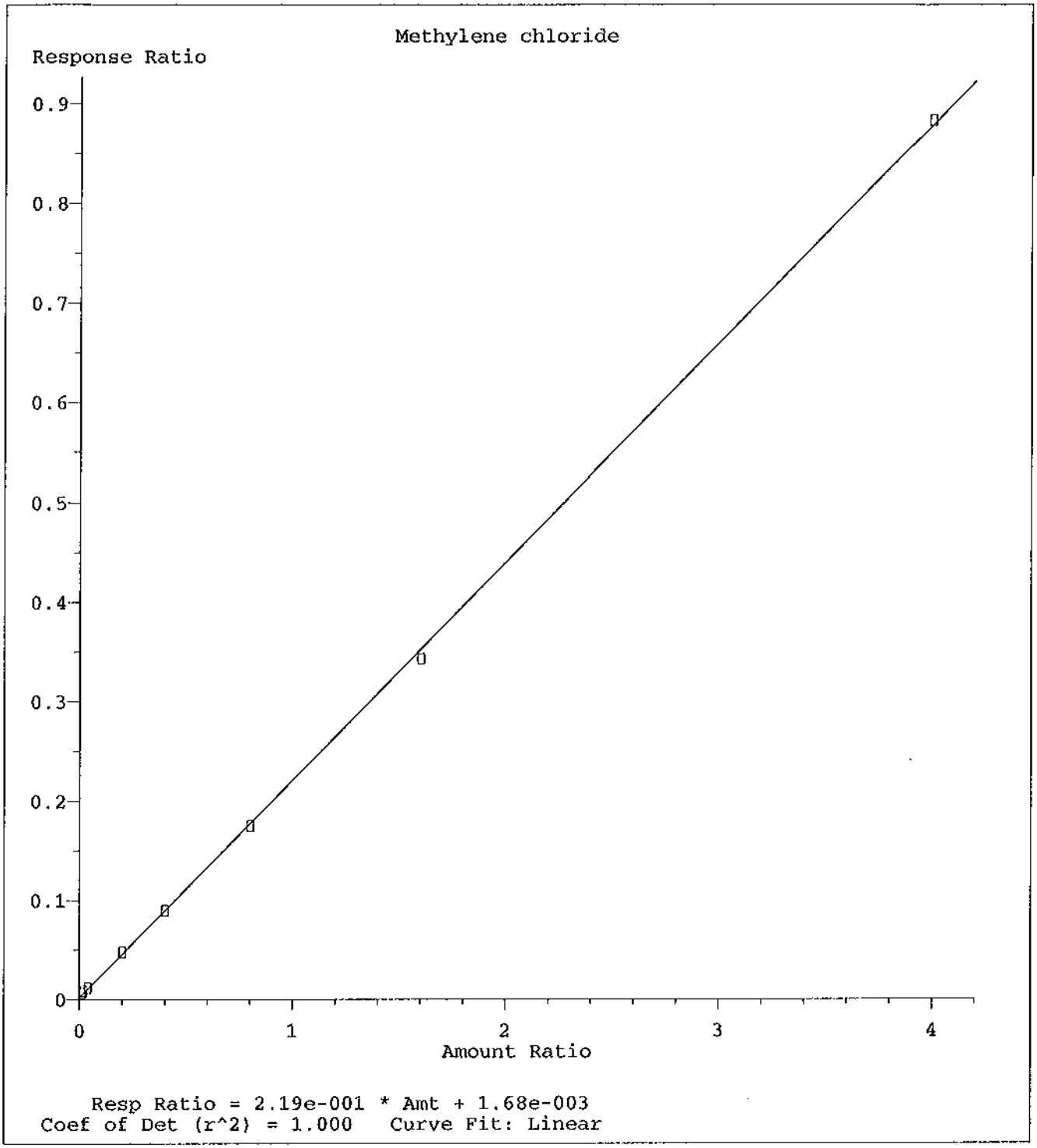
Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012



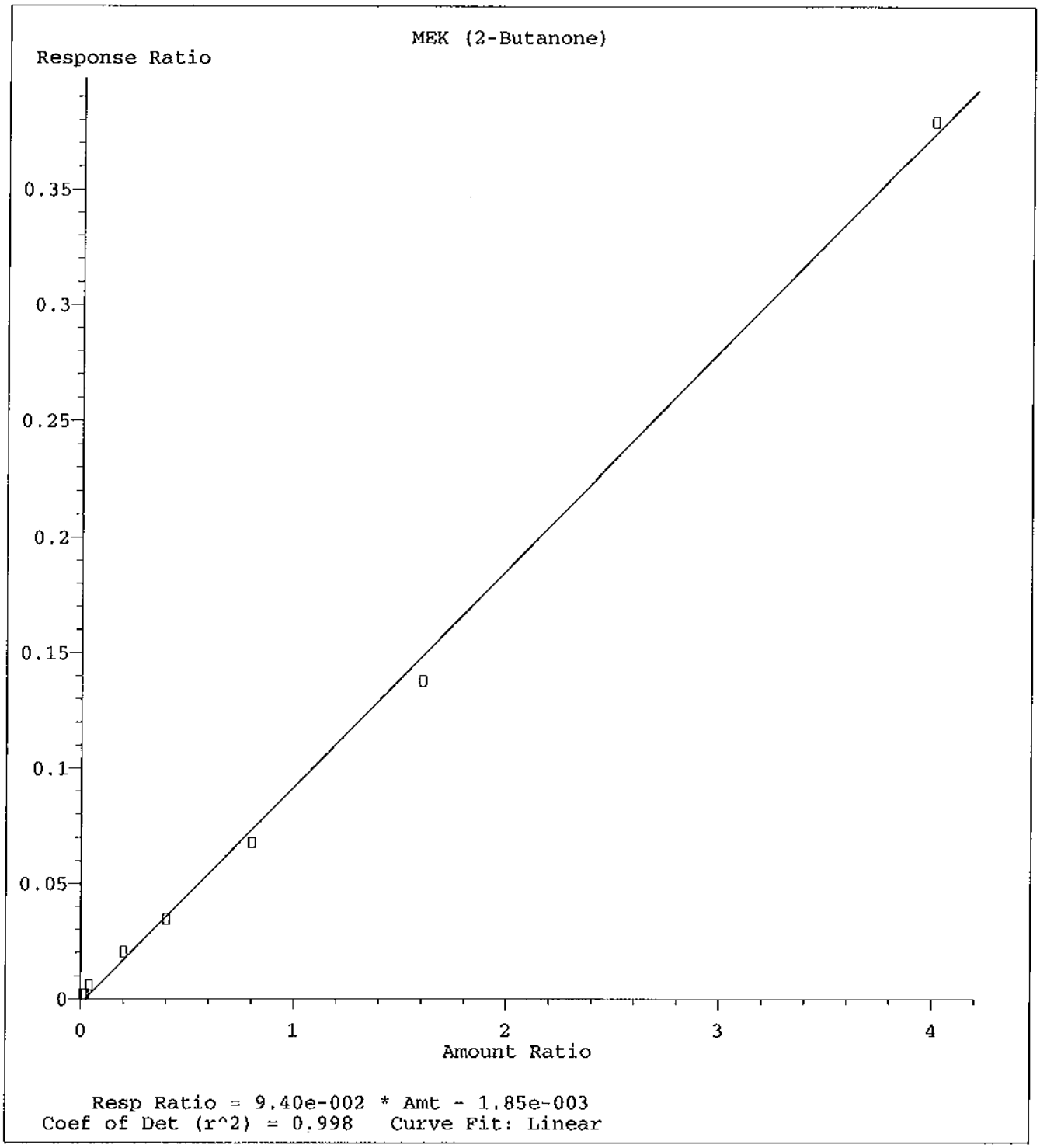
Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012



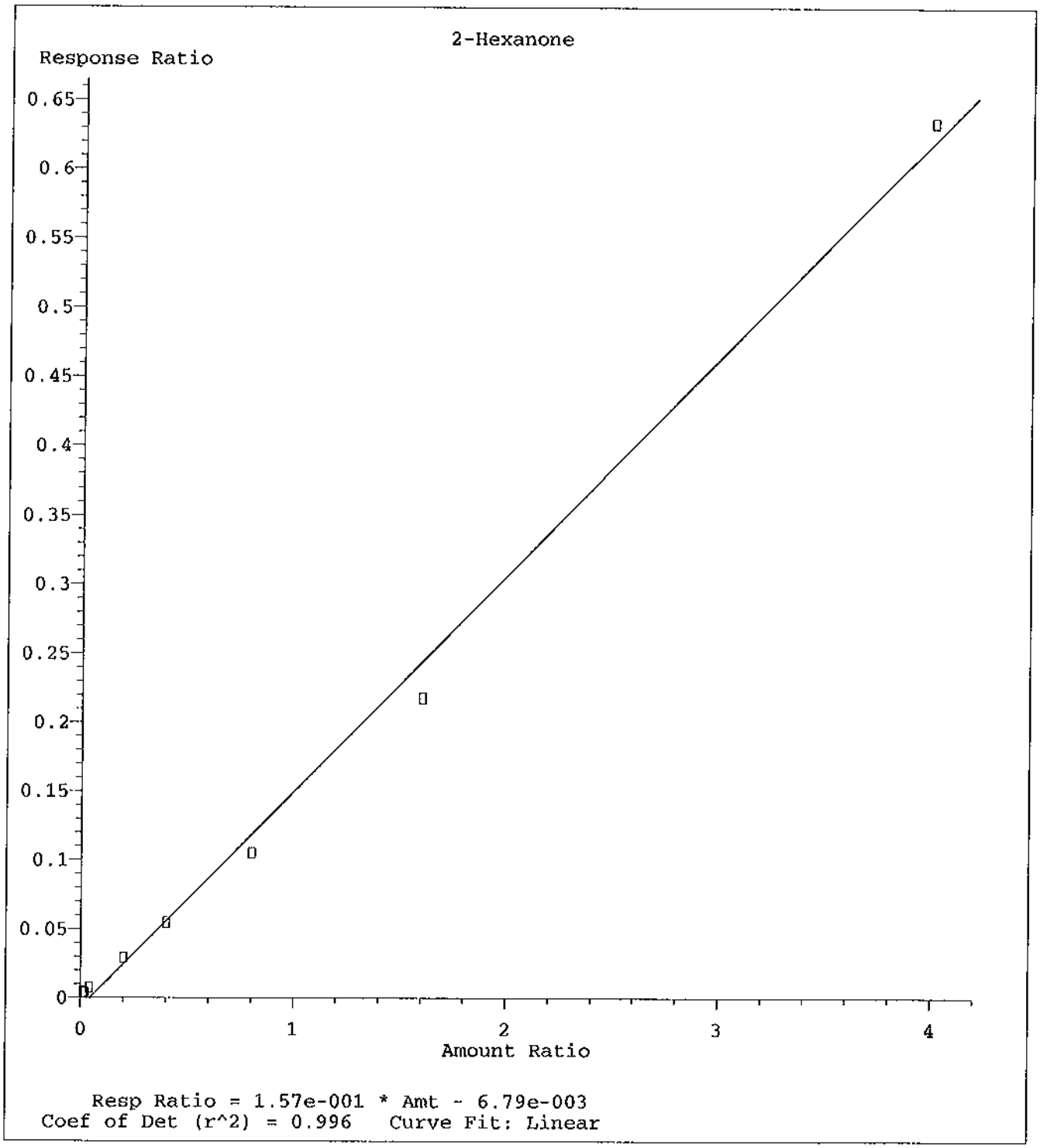
Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012



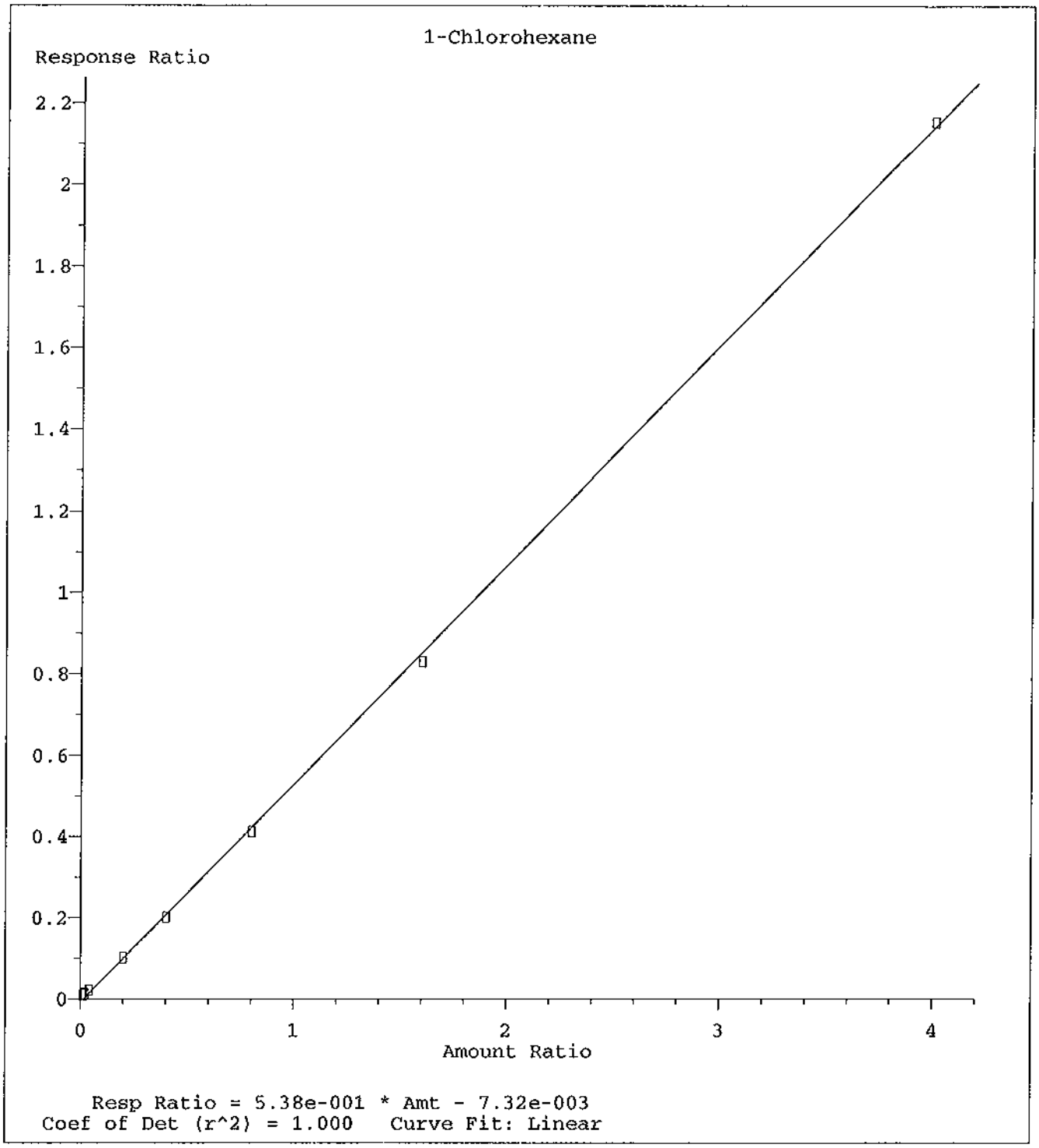
Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012



Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012



Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012



Method Name: M:\THOR\DATA\T120131\TALLW.M
Calibration Table Last Updated: Wed Feb 01 08:59:11 2012

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No: 66795
Date Analyzed: 01/31/12
Instrument: Thor
Initial Cal. Date: 01/31/12
Data File: 0131T17W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Dichlorodifluoromethane	0.2775	0.3099	12	TM	
3	TM	Freon 114	0.1578	0.1727	9.4	TM	
4	TM**	Chloromethane	0.3708	0.3566	3.8	TM**	
5	TM*	Vinyl chloride	0.3740	0.3677	1.7	TM*	
6	TM	Bromomethane	0.2504	0.2119	15	TM	
7	TML	Chloroethane	0.2134	0.2380	11	TML	1.4
8	TM	Dichlorofluoromethane	0.6001	0.6031	0.49	TM	
9	TM	Trichlorofluoromethane	0.4709	0.4894	3.9	TM	
10	TM	Acrolein	0.0055	0.0054	2.0	TM	
11	TML	Acetone	0.1234	0.0767	38	TML	17
12	TM	Freon-113	0.2306	0.2379	3.2	TM	
13	TM*	1,1-DCE	0.2115	0.2147	1.5	TM*	
14	TM	t-Butanol	0.0070	0.0072	2.5	TM	
15	TML	Methyl Acetate	0.3032	0.2028	33	TML	2.1
16	TML	Iodomethane	0.2942	0.3037	3.2	TML	15
17	TM	Acrylonitrile	0.0667	0.0680	2.1	TM	
18	TML	Methylene chloride	0.2935	0.2263	23	TML	1.2
19	TM	Carbon disulfide	0.3817	0.3903	2.2	TM	
20	TM	Methyl t-butyl ether (MtBE)	0.7581	0.7602	0.27	TM	
21	TM	Trans-1,2-DCE	0.1664	0.1637	1.6	TM	
22	TM	Diisopropyl Ether	0.1145	0.1162	1.5	TM	
23	TM**	1,1-DCA	0.4500	0.4444	1.2	TM**	
24	TM	Vinyl Acetate	0.2760	0.2823	2.3	TM	
25	TM	Ethyl tert Butyl Ether	0.8351	0.8439	1.1	TM	
26	TML	MEK (2-Butanone)	0.1099	0.0992	9.7	TML	11
27	TM	Cis-1,2-DCE	0.2933	0.2991	2.0	TM	
28	TM	2,2-Dichloropropane	0.3711	0.3469	6.5	TM	
29	TM*	Chloroform	0.5374	0.5274	1.9	TM*	
30	TM	Bromochloromethane	0.1384	0.1356	2.0	TM	
31	S	Dibromofluoromethane(S)	0.3591	0.3514	2.1	S	
32	TM	1,1,1-TCA	0.3943	0.3920	0.59	TM	
33	TM	Cyclohexane	0.2015	0.1928	4.3	TM	
34	TM	1,1-Dichloropropene	0.2542	0.2600	2.3	TM	
35	TM	2,2,4-Trimethylpentane	0.7335	0.7503	2.3	TM	
36	S	1,2-DCA-D4(S)	0.3901	0.3868	0.86	S	
37	TM	Carbon Tetrachloride	0.2946	0.3021	2.6	TM	
38	TM	Tert Amyl Methyl Ether	0.7893	0.7857	0.46	TM	
39	TM	1,2-DCA	0.3614	0.3589	0.69	TM	
40	TM	Benzene	0.9725	0.9566	1.6	TM	
		Average			5.5		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No: 66795
Date Analyzed: 01/31/12
Instrument: Thor
Cal. Date: 01/31/12
Data File: 0131T17W.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	TCE	0.2760	0.2757	0.11	TM	
42	TM	2-Pentanone	0.1735	0.1720	0.86	TM	
43	TM*	1,2-Dichloropropane	0.3256	0.3218	1.2	TM*	
44	TM	Bromodichloromethane	0.4162	0.4112	1.2	TM	
45	TM	Methyl Cyclohexane	0.3737	0.3885	4.0	TM	
46	TM	Dibromomethane	0.1753	0.1696	3.2	TM	
47	TM	MIBK (methyl isobutyl ketone)	0.0891	0.0912	2.4	TM	
48	TM	1-Bromo-2-chloroethane	0.2424	0.2287	5.7	TM	
49	TM	Cis-1,3-Dichloropropene	0.4331	0.4336	0.11	TM	
50	TM*	Toluene	1.235	1.234	0.13	TM*	
51	TM	Trans-1,3-Dichloropropene	0.3737	0.3724	0.36	TM	
52	TM	1,1,2-TCA	0.2393	0.2417	1.0	TM	
53	TML	2-Hexanone	0.1787	0.1519	15	TML	7.6
54	I	Chlorobenzene-D5 (IS)	ISTD			I	
55	S	Toluene-D8(S)	1.576	1.541	2.2	S	
56	TM	1,2-EDB	0.3279	0.3222	1.7	TM	
57	TM	Tetrachloroethene	0.3884	0.3886	0.06	TM	
58	TML	1-Chlorohexane	0.5744	0.5131	11	TML	1.2
59	TM	1,1,1,2-Tetrachloroethane	0.4120	0.4127	0.18	TM	
60	TM	m&p-Xylene	0.7219	0.7258	0.53	TM	
61	TM	o-Xylene	0.7237	0.7347	1.5	TM	
62	TM	Styrene	1.229	1.243	1.2	TM	
63	S	4-Bromofluorobenzene(S)	0.5939	0.6088	2.5	S	
64	TM	1,3-Dichloropropane	0.5632	0.5719	1.5	TM	
65	TM	Dibromochloromethane	0.3875	0.3812	1.6	TM	
66	TM**	Chlorobenzene	1.167	1.148	1.6	TM**	
67	TM*	Ethylbenzene	1.901	1.896	0.30	TM*	
68	TM**	Bromoform	0.2430	0.2557	5.2	TM**	
69	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
70	TM	Isopropylbenzene	3.412	3.309	3.0	TM	
71	TM**	1,1,2,2-Tetrachloroethane	0.7345	0.7388	0.59	TM**	
72	TM	1,2,3-Trichloropropane	0.2291	0.2219	3.1	TM	
73	TM	t-1,4-Dichloro-2-Butene	0.1666	0.1481	11	TM	
74	TM	Bromobenzene	1.033	0.9552	7.5	TM	
75	TM	n-Propylbenzene	4.197	4.098	2.4	TM	
76	TM	4-Ethyltoluene	2.424	2.397	1.1	TM	
77	TM	2-Chlorotoluene	2.816	2.752	2.3	TM	
78	TM	1,3,5-Trimethylbenzene	3.015	2.937	2.6	TM	
79	TM	4-Chlorotoluene	2.866	2.833	1.1	TM	
80	TM	Tert-Butylbenzene	2.838	2.648	6.7	TM	
		Average			2.8		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No: 66795
Date Analyzed: 01/31/12
Instrument: Thor
Cal. Date: 01/31/12
Data File: 0131T17W.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	1,2,4-Trimethylbenzene	3.014	2.966	1.6	TM	
82	TM	Sec-Butylbenzene	3.825	3.788	0.97	TM	
83	TM	p-Isopropyltoluene	3.242	3.155	2.7	TM	
84	TM	Benzyl Chloride	0.8874	0.7626	14	TM	
85	TM	1,3-DCB	1.878	1.807	3.8	TM	
86	TM	1,4-DCB	1.894	1.809	4.5	TM	
87	TM	n-Butylbenzene	2.760	2.725	1.2	TM	
88	TM	1,2-DCB	1.769	1.695	4.2	TM	
89	TM	Hexachloroethane	0.5185	0.4870	6.1	TM	
90	TM	1,2-Dibromo-3-chloropropane	0.0955	0.0809	15	TM	
91	TM	1,2,4-Trichlorobenzene	0.7089	0.6887	2.9	TM	
92	TM	Hexachlorobutadiene	0.6635	0.6356	4.2	TM	
93	TM	Naphthalene	1.799	1.856	3.1	TM	
94	TM	1,2,3-Trichlorobenzene	0.9535	0.9406	1.4	TM	
95							
96							
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			4.7		

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T17W.D Vial: 17
Acq On : 31 Jan 12 17:46 Operator:
Sample : 120131A LCS-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 10:46 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	721472	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	577472	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	323520	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	331202	31.96277 ppb	0.00
Spiked Amount 32.661			Recovery =	97.863%	
36) 1,2-DCA-D4(S)	6.34	65	344866	30.63082 ppb	0.00
Spiked Amount 30.896			Recovery =	99.144%	
56) Toluene-D8(S)	8.44	98	1208016	33.18014 ppb	0.00
Spiked Amount 33.937			Recovery =	97.770%	
64) 4-Bromofluorobenzene(S)	11.06	95	466225	33.98313 ppb	0.00
Spiked Amount 33.154			Recovery =	102.501%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	89447	11.16976 ppb	99
3) Freon 114	1.40	85	49840	10.94305 ppb	100
4) Chloromethane	1.44	50	102916	9.61880 ppb	97
5) Vinyl chloride	1.55	62	106116	9.83271 ppb	98
6) Bromomethane	1.85	94	61157	8.46462 ppb	99
7) Chloroethane	1.96	64	68671	10.14348 ppb	97
8) Dichlorofluoromethane	2.17	67	174035	10.04930 ppb	100
9) Trichlorofluoromethane	2.23	101	141224	10.39160 ppb	97
10) Acrolein	2.70	55	19380	122.45436 ppb	82
11) Acetone	2.90	43	22126	11.66013 ppb	83
12) Freon-113	2.85	101	68650	10.31550 ppb	97
13) 1,1-DCE	2.81	61	61955	10.15051 ppb	98
14) t-Butanol	3.73	59	25856	128.07499 ppb	95
15) Methyl Acetate	3.36	43	58526	10.20702 ppb	90
16) Iodomethane	2.97	142	87651	8.47425 ppb	94
17) Acrylonitrile	3.82	52	19634	10.20718 ppb	83
18) Methylene chloride	3.45	84	65320	10.12472 ppb	93
19) Carbon disulfide	3.06	76	112630	10.22403 ppb	97
20) Methyl t-butyl ether (MtBE	3.93	73	219378	10.02685 ppb	98
21) Trans-1,2-DCE	3.87	96	47232	9.83680 ppb	96
22) Diisopropyl Ether	4.72	59	33543	10.14875 ppb	93
23) 1,1-DCA	4.51	63	128263	9.87703 ppb	99
24) Vinyl Acetate	4.72	87	81461	10.22826 ppb	94
25) Ethyl tert Butyl Ether	5.23	59	243541	10.10511 ppb	98
26) MEK (2-Butanone)	5.40	43	28640	11.05030 ppb	96
27) Cis-1,2-DCE	5.34	96	86319	10.19799 ppb	100
28) 2,2-Dichloropropane	5.33	77	100111	9.34709 ppb	97
29) Chloroform	5.77	83	152199	9.81369 ppb	100
30) Bromochloromethane	5.63	128	39123	9.79861 ppb	93
32) 1,1,1-TCA	5.97	97	113118	9.94124 ppb	100
33) Cyclohexane	6.04	41	55633	9.56586 ppb	92
34) 1,1-Dichloropropene	6.18	75	75028	10.22845 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	216542	10.23001 ppb	99
37) Carbon Tetrachloride	6.17	117	87181	10.25598 ppb	97
38) Tert Amyl Methyl Ether	6.61	73	226745	9.95409 ppb	98
39) 1,2-DCA	6.43	62	103571	9.93100 ppb	98
40) Benzene	6.41	78	276076	9.83690 ppb	99
41) TCE	7.16	95	79560	9.98950 ppb	98
42) 2-Pentanone	7.38	43	620548	123.92157 ppb	98

Algorithm Check: $\frac{(106116)(25)}{(721472)(0.37401)}$ (1) = 9.83 ✓ ARS 3/10/12

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T17W.D Vial: 17
Acq On : 31 Jan 12 17:46 Operator:
Sample : 120131A LCS-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 10:46 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	1,2-Dichloropropane	7.39	63	92869	9.88423	ppb	99
44)	Bromodichloromethane	7.69	83	118663	9.87986	ppb	99
45)	Methyl Cyclohexane	7.37	83	112123	10.39645	ppb	99
46)	Dibromomethane	7.51	93	48958	9.67884	ppb	93
48)	MIBK (methyl isobutyl ket	9.20	43	26318	10.23709	ppb	92
49)	1-Bromo-2-chloroethane	8.00	63	66000	9.43354	ppb	94
50)	Cis-1,3-Dichloropropene	8.17	75	125120	10.01105	ppb	98
51)	Toluene	8.51	91	356062	9.98661	ppb	98
52)	Trans-1,3-Dichloropropene	8.74	75	107465	9.96425	ppb	97
53)	1,1,2-TCA	8.92	83	69763	10.10229	ppb	98
54)	2-Hexanone	9.20	43	43835	10.76441	ppb	92
57)	1,2-EDB	9.41	107	74425	9.82584	ppb	98
58)	Tetrachloroethene	9.07	166	89761	10.00617	ppb	99
59)	1-Chlorohexane	9.92	91	118519	9.88469	ppb	99
60)	1,1,1,2-Tetrachloroethane	10.00	131	95340	10.01828	ppb	99
61)	m&p-Xylene	10.16	106	335284	20.10672	ppb	99
62)	o-Xylene	10.55	106	169711	10.15200	ppb	100
63)	Styrene	10.56	104	287132	10.11534	ppb	95
65)	1,3-Dichloropropane	9.08	76	132096	10.15386	ppb	98
66)	Dibromochloromethane	9.31	129	88053	9.83659	ppb	99
67)	Chlorobenzene	9.92	112	265218	9.83615	ppb	99
68)	Ethylbenzene	10.04	91	437842	9.97019	ppb	100
69)	Bromoform	10.73	173	59065	10.52472	ppb	98
71)	Isopropylbenzene	10.93	105	428276	9.69843	ppb	98
72)	1,1,2,2-Tetrachloroethane	11.21	83	95608	10.05934	ppb	95
73)	1,2,3-Trichloropropane	11.24	110	28716	9.68623	ppb	94
74)	t-1,4-Dichloro-2-Butene	11.26	53	19163	8.88840	ppb	94
75)	Bromobenzene	11.21	156	123604	9.24575	ppb	100
76)	n-Propylbenzene	11.33	91	530268	9.76320	ppb	98
77)	4-Ethyltoluene	11.45	105	310148	9.88655	ppb	100
78)	2-Chlorotoluene	11.41	91	356117	9.77214	ppb	96
79)	1,3,5-Trimethylbenzene	11.51	105	380082	9.74058	ppb	95
80)	4-Chlorotoluene	11.52	91	366677	9.88548	ppb	99
81)	Tert-Butylbenzene	11.84	119	342707	9.33244	ppb	100
82)	1,2,4-Trimethylbenzene	11.88	105	383886	9.84287	ppb	98
83)	Sec-Butylbenzene	12.05	105	490146	9.90337	ppb	100
84)	p-Isopropyltoluene	12.20	119	408260	9.72986	ppb	100
85)	Benzyl Chloride	12.37	91	98692	8.59409	ppb	100
86)	1,3-DCB	12.15	146	233870	9.62097	ppb	97
87)	1,4-DCB	12.24	146	234146	9.55390	ppb	99
88)	n-Butylbenzene	12.61	91	352693	9.87557	ppb	98
89)	1,2-DCB	12.61	146	219383	9.58248	ppb	99
90)	Hexachloroethane	12.87	117	63020	9.39246	ppb	97
91)	1,2-Dibromo-3-chloropropan	13.37	157	10475	8.47961	ppb	96
92)	1,2,4-Trichlorobenzene	14.21	180	89120	9.71443	ppb	96
93)	Hexachlorobutadiene	14.40	225	82253	9.57986	ppb	94
94)	Naphthalene	14.45	128	240182	10.31438	ppb	98
95)	1,2,3-Trichlorobenzene	14.69	180	121722	9.86427	ppb	97

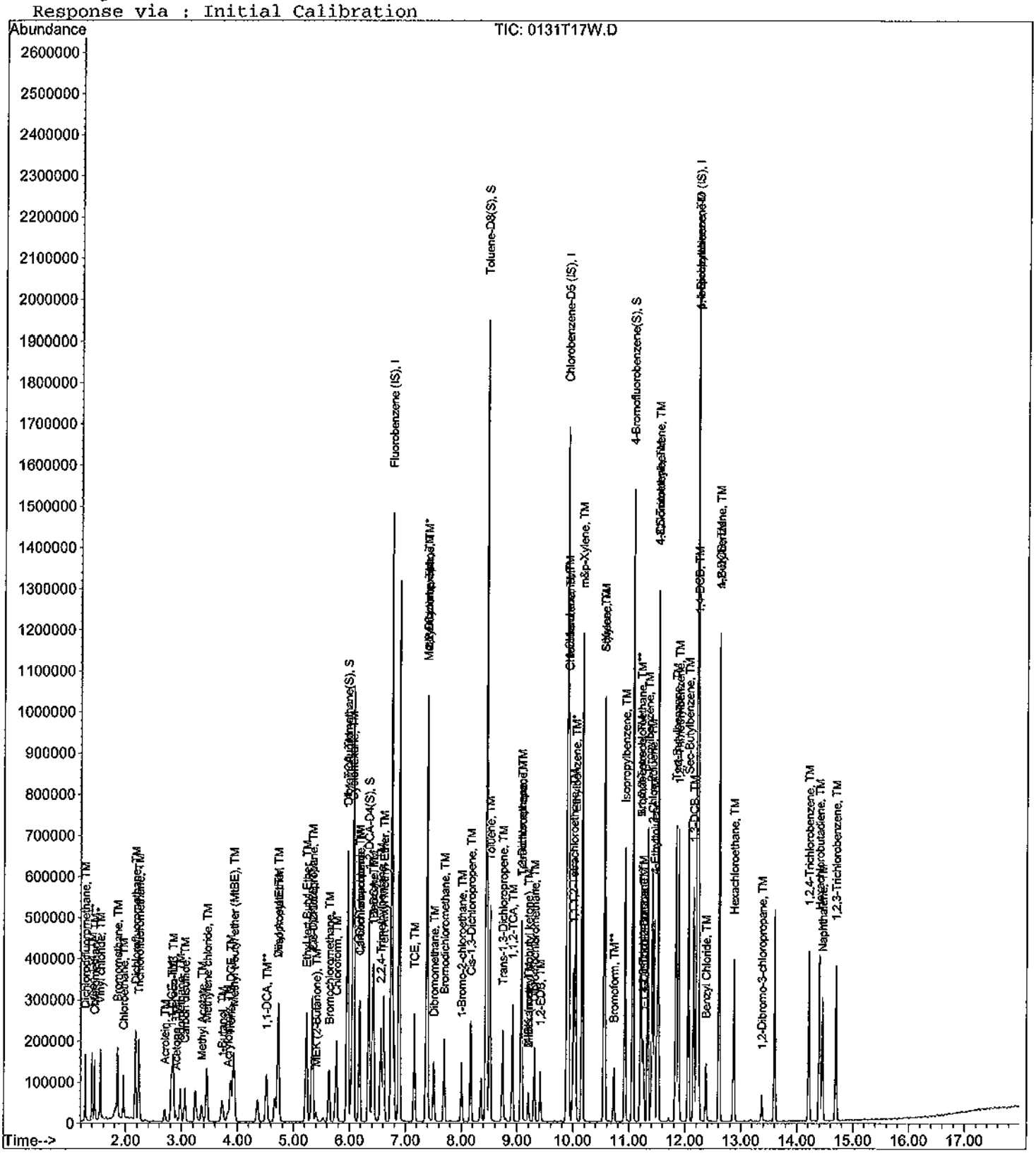
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T17W.D Vial: 17
Acq On : 31 Jan 12 17:46 Operator:
Sample : 120131A LCS-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 10:46 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 66795
Case No: Initial Cal. Date: 01/25/12
Matrix: Water Instrument: Chico
Initials:

			0125C29W.D	0125C30W.D	0125C31W.D	0125C32W.D	0125C33W.D	0125C34W.D	0125C35W.D							
		Compound	20	50	100	300	600	800	1000				Avg	%RSD		r
1	I	Fluorobenzene (IS)														
2	TMHBL	Gasoline	23.6	10.6	5.907	3.541	2.892	2.841	2.494				7.4	104	TMHBL	0.997
3	I	Chlorobenzene-D5 (IS)														
4	I	1,4-Dichlorobenzene-D (IS)														
5																
6																
7																
8																
9																
10																
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35																

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C29W.D Vial: 1
Acq On : 26 Jan 12 19:32 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@20ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:34 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:01:13 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1053352	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1266647	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1287754	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	17.98	TIC	19858101m	31.82421	ppb	100

(#) = qualifier out of range (m) = manual integration

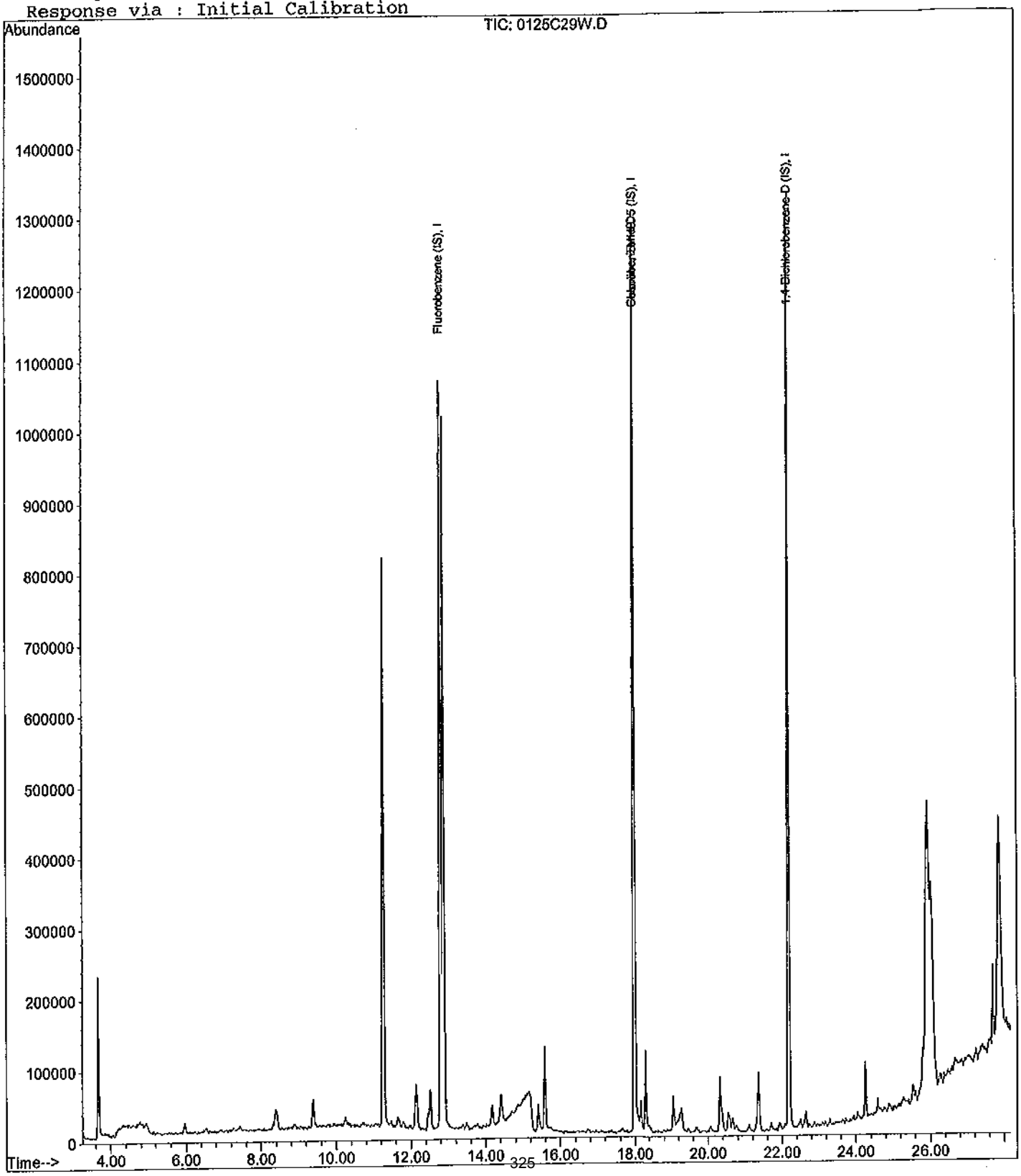
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C29W.D
Acq On : 26 Jan 12 19:32
Sample : Vol. Std. 01-26-12@20ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:34 2012 Quant Results File: CGAS.RES

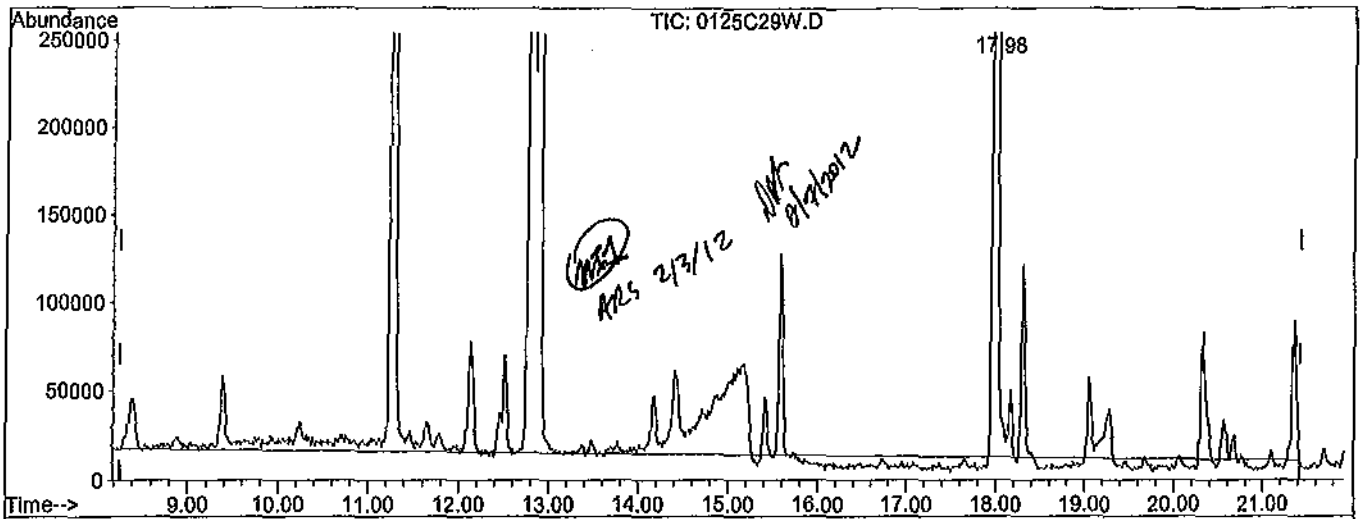
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration

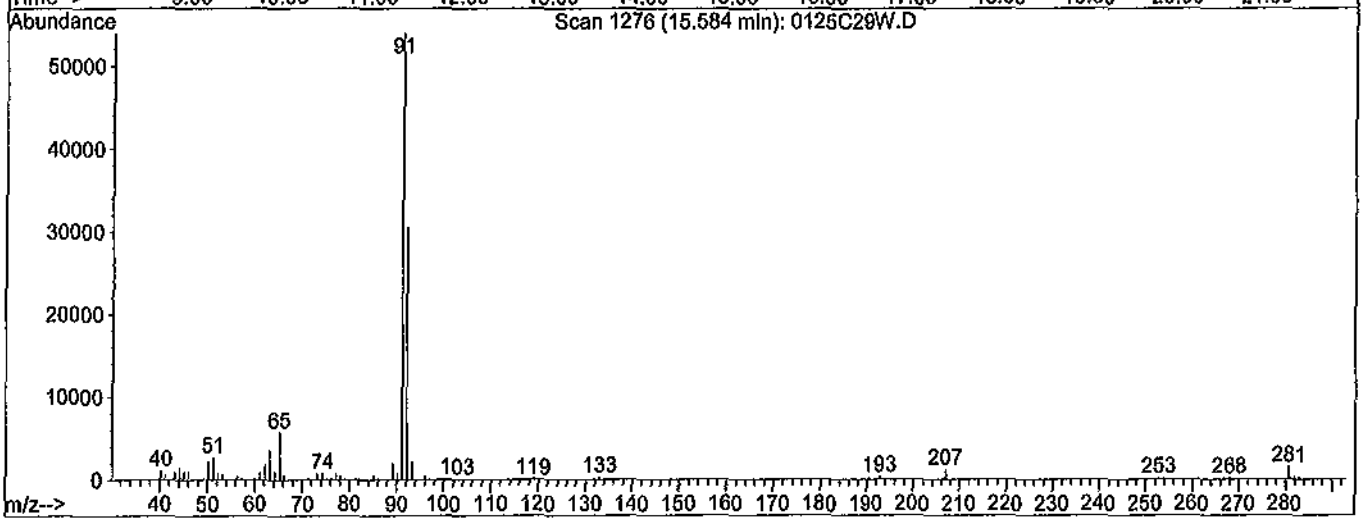


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C29W.D Vial: 1
Acq On : 26 Jan 12 19:32 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@20ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:07 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration





TIC: 0125C29W.D

(2) Gasoline (TMHB)

15.58min -8.2763ppb m

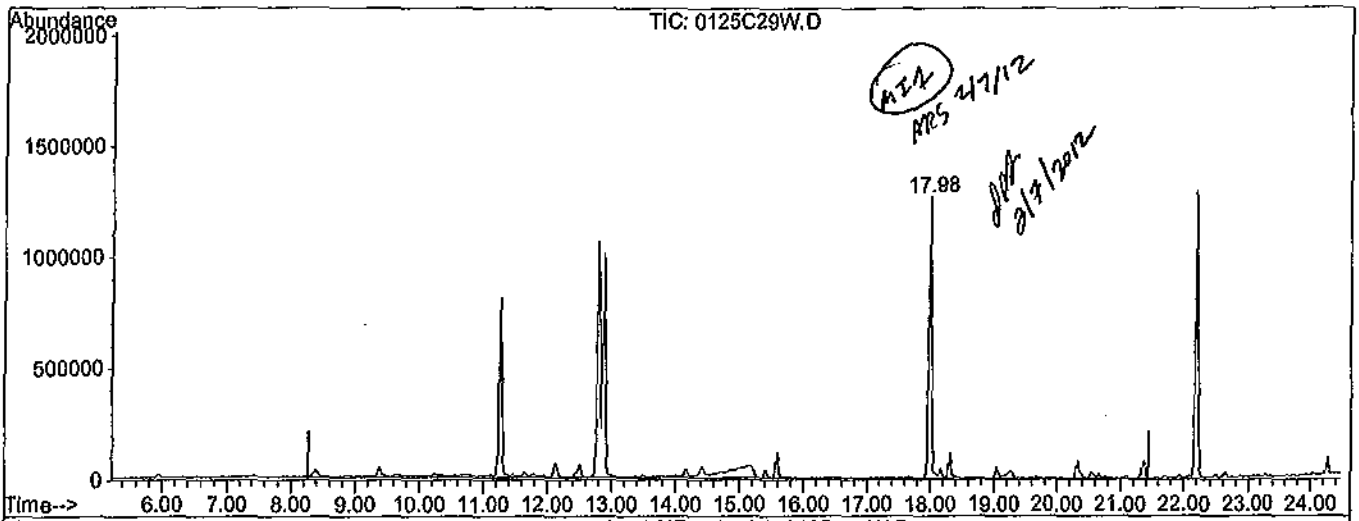
response 16152794

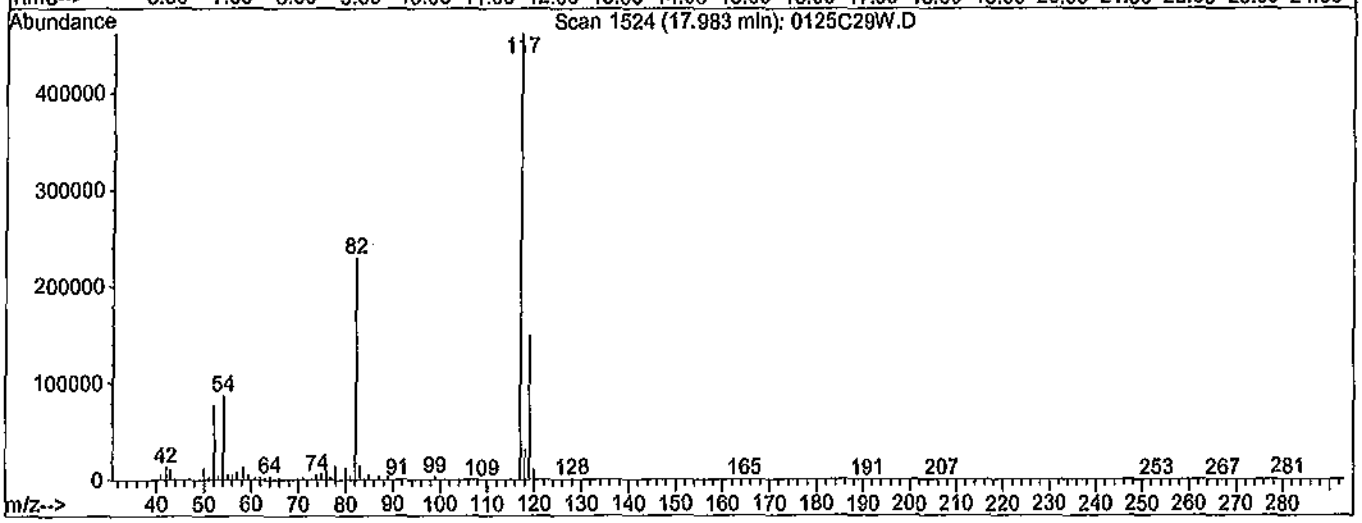
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.78#
0.00	0.00	2.40#
0.00	0.00	0.00

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C29W.D Vial: 1
Acq On : 26 Jan 12 19:32 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@20ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:34 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration





TIC: 0125C29W.D

(2) Gasoline (TMHB)

17.98min 31.8242ppb m

response 19858101

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.64#
0.00	0.00	1.95#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C30W.D Vial: 1
Acq On : 26 Jan 12 20:09 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@50ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:35 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1088272	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.99	TIC	1269196	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.19	TIC	1282230	25.00000	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline	17.99	TIC	23136590m	59.27095	ppb	100

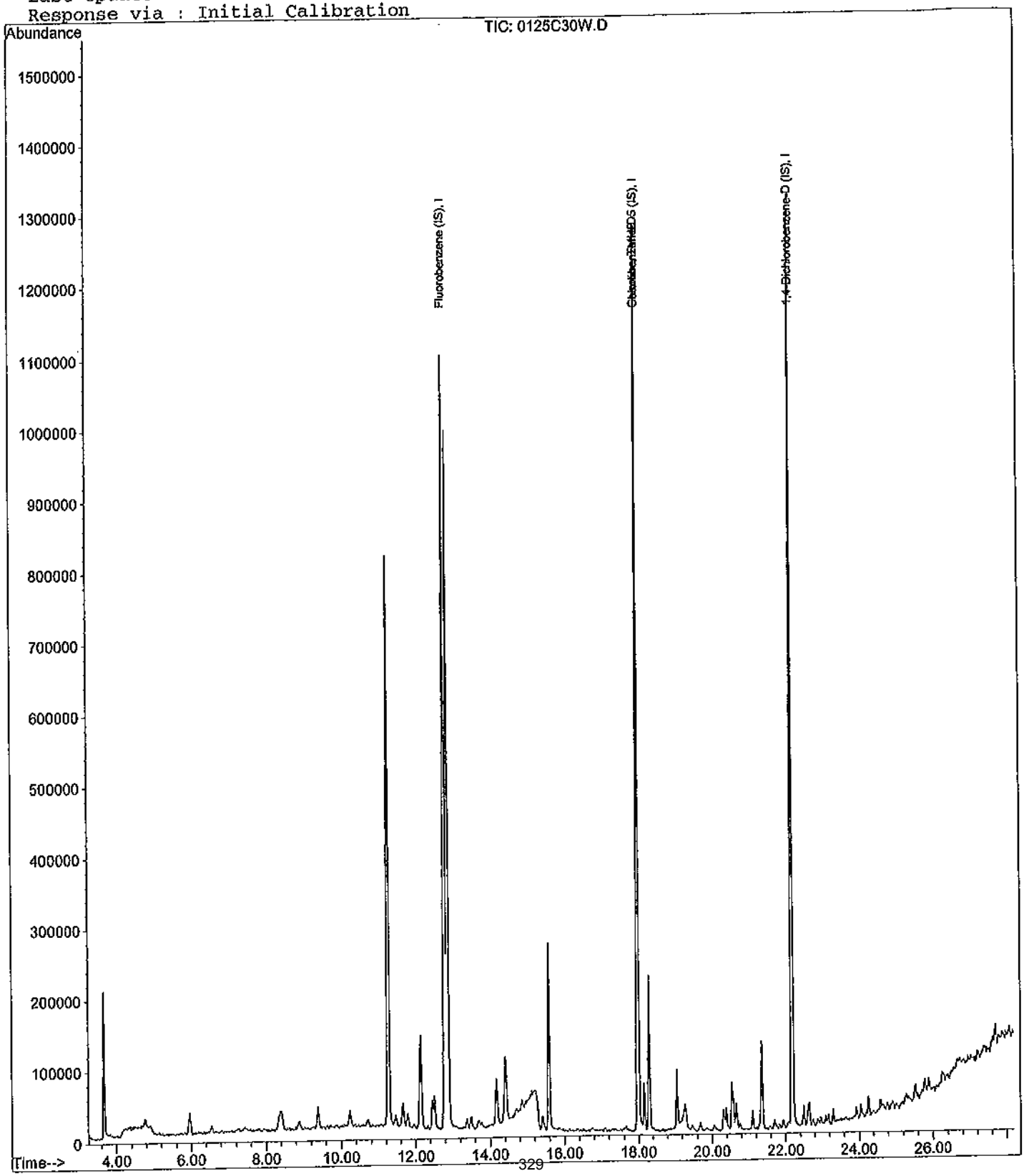
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C30W.D
Acq On : 26 Jan 12 20:09
Sample : Vol. Std. 01-26-12@50ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:35 2012 Quant Results File: CGAS.RES

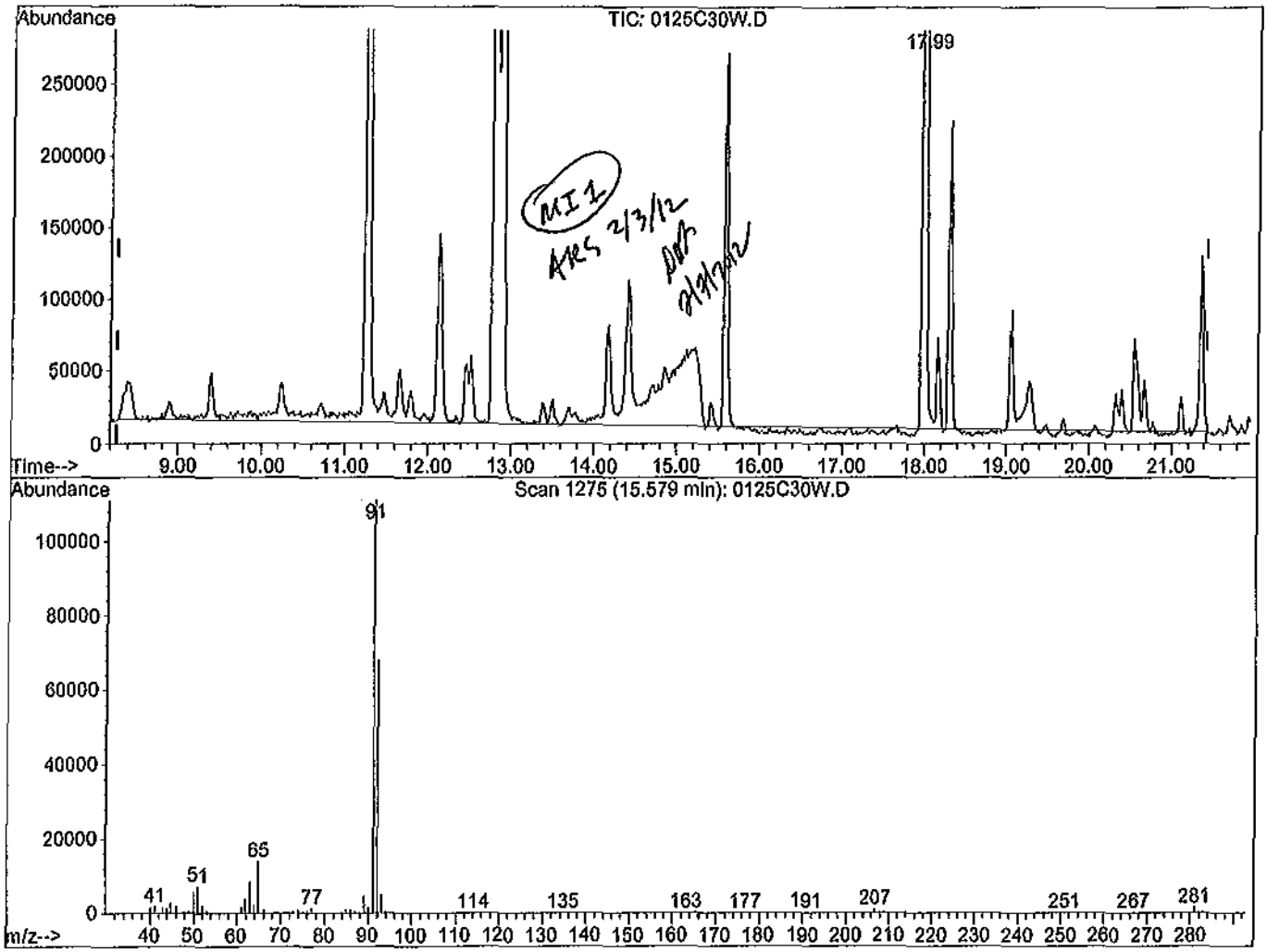
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration



Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C30W.D Vial: 1
Acq On : 26 Jan 12 20:09 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@50ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:07 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



TIC: 0125C30W.D

(2) Gasoline (TMHB)

15.58min -0.0275ppb m

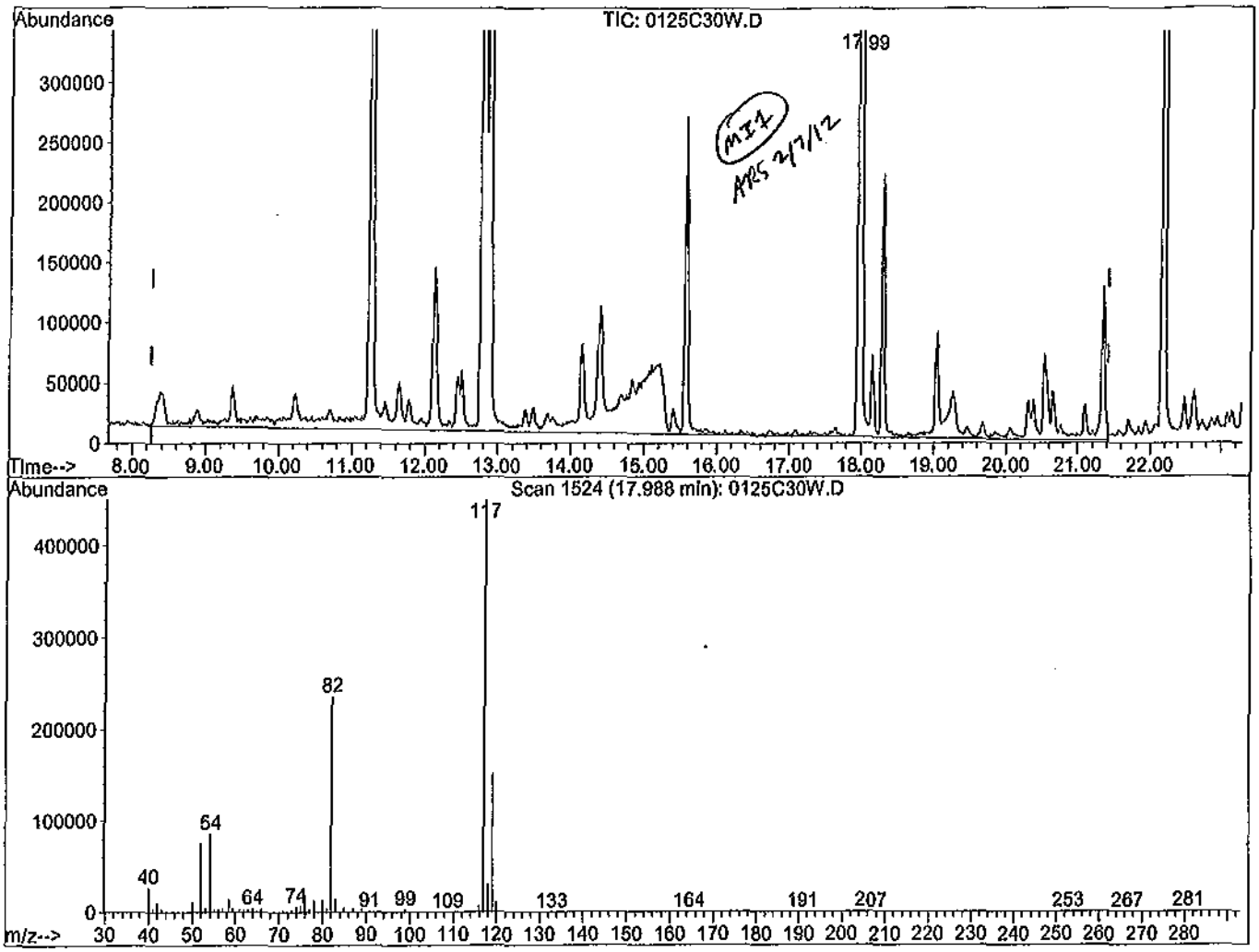
response 17475741

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.72#
0.00	0.00	2.18#
0.00	0.00	0.00

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C30W.D Vial: 1
Acq On : 26 Jan 12 20:09 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@50ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:35 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



TIC: 0125C30W.D

(2) Gasoline (TMHB)

17.99min 59.2710ppb m

response 23136590

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.54#
0.00	0.00	1.65#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C31W.D Vial: 1
Acq On : 26 Jan 12 20:46 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@100ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 3 12:13 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1080126	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1280154	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1288106	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	17.98	TIC	26257782m	94.04042	ppb	100

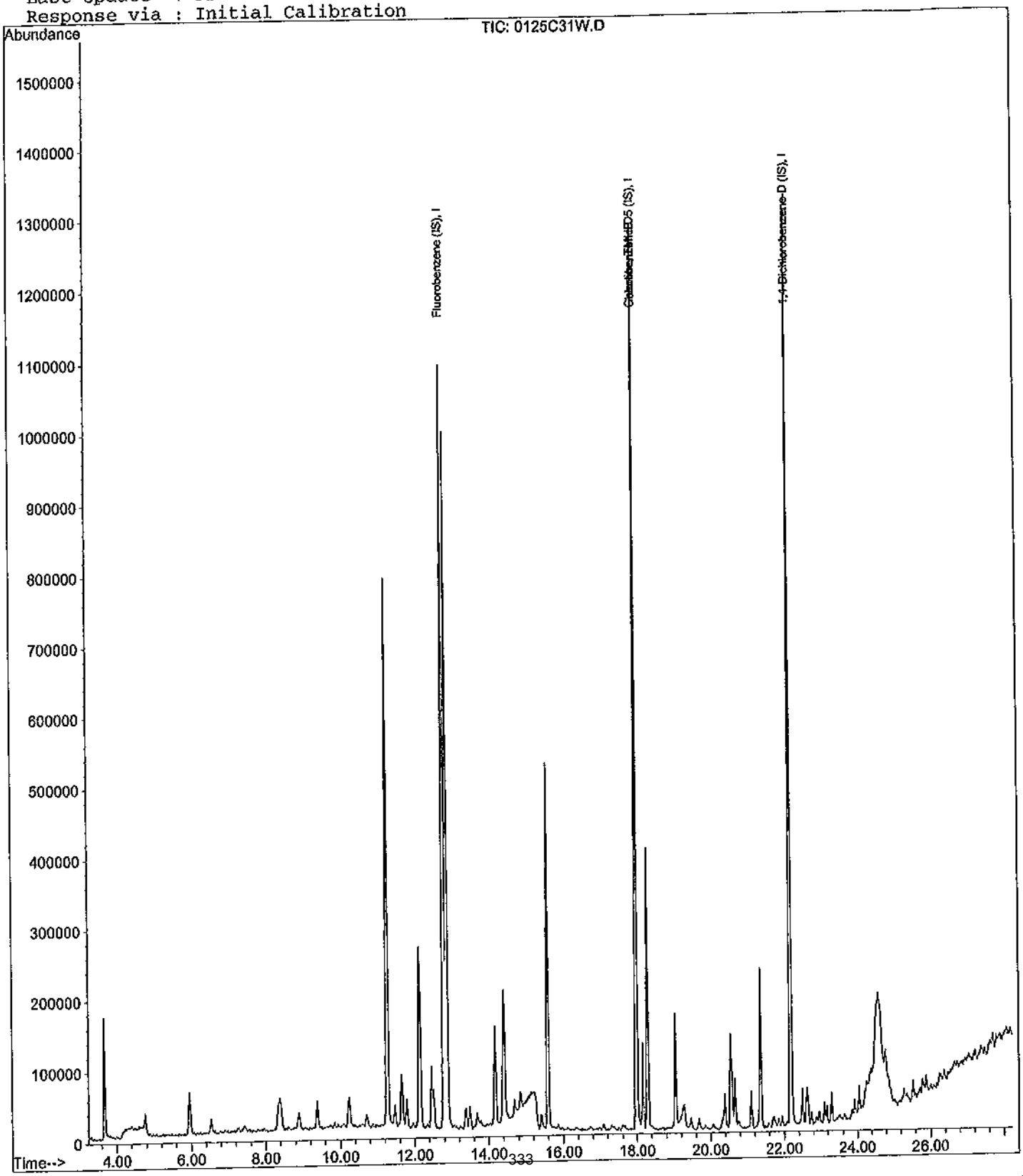
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C31W.D
Acq On : 26 Jan 12 20:46
Sample : Vol. Std. 01-26-12@100ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 3 12:13 2012 Quant Results File: CGAS.RES

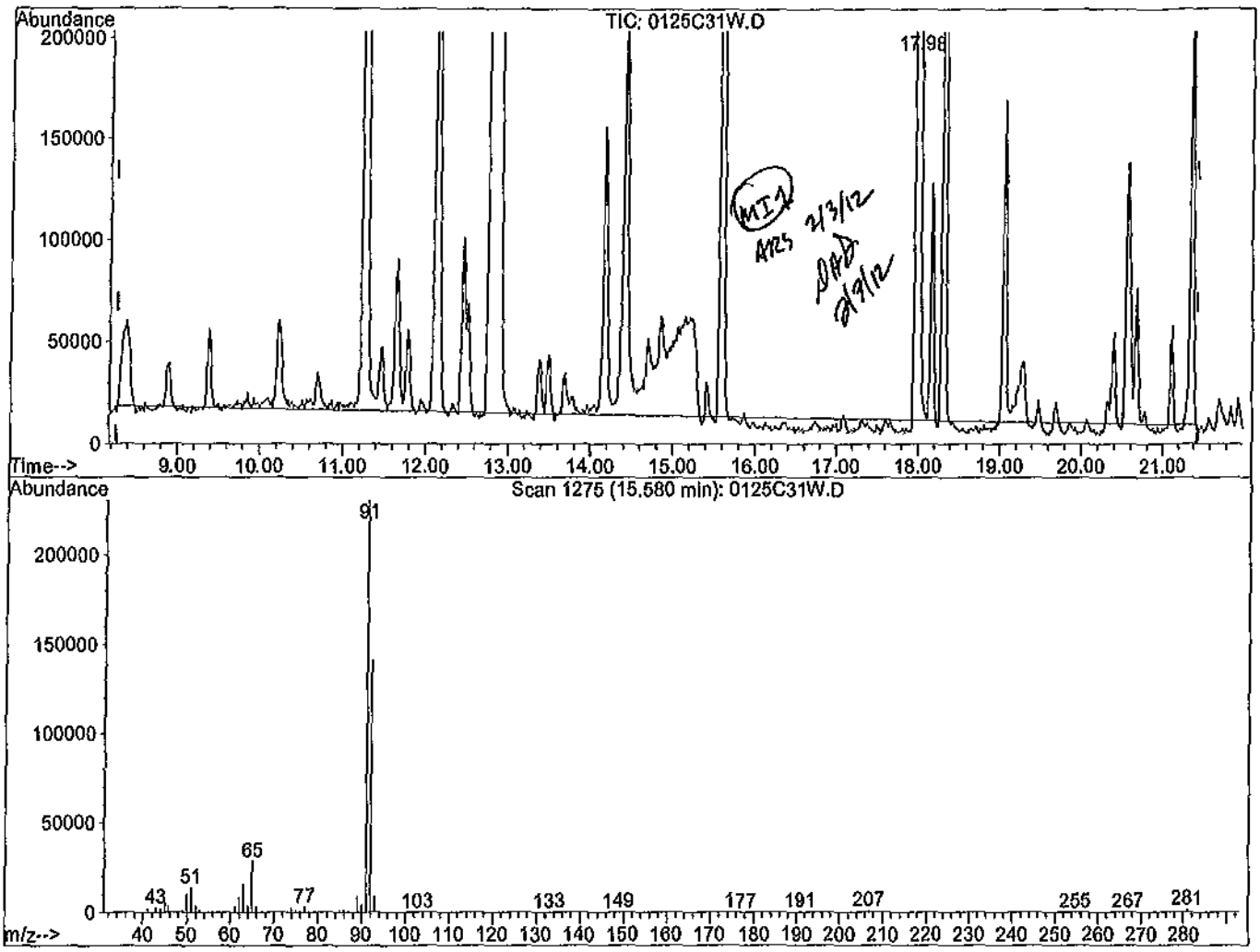
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration



Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C31W.D Vial: 1
Acq On : 26 Jan 12 20:46 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@100ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:07 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



TIC: 0125C31W.D

(2) Gasoline (TMHB)

15.58min 27.4179ppb m

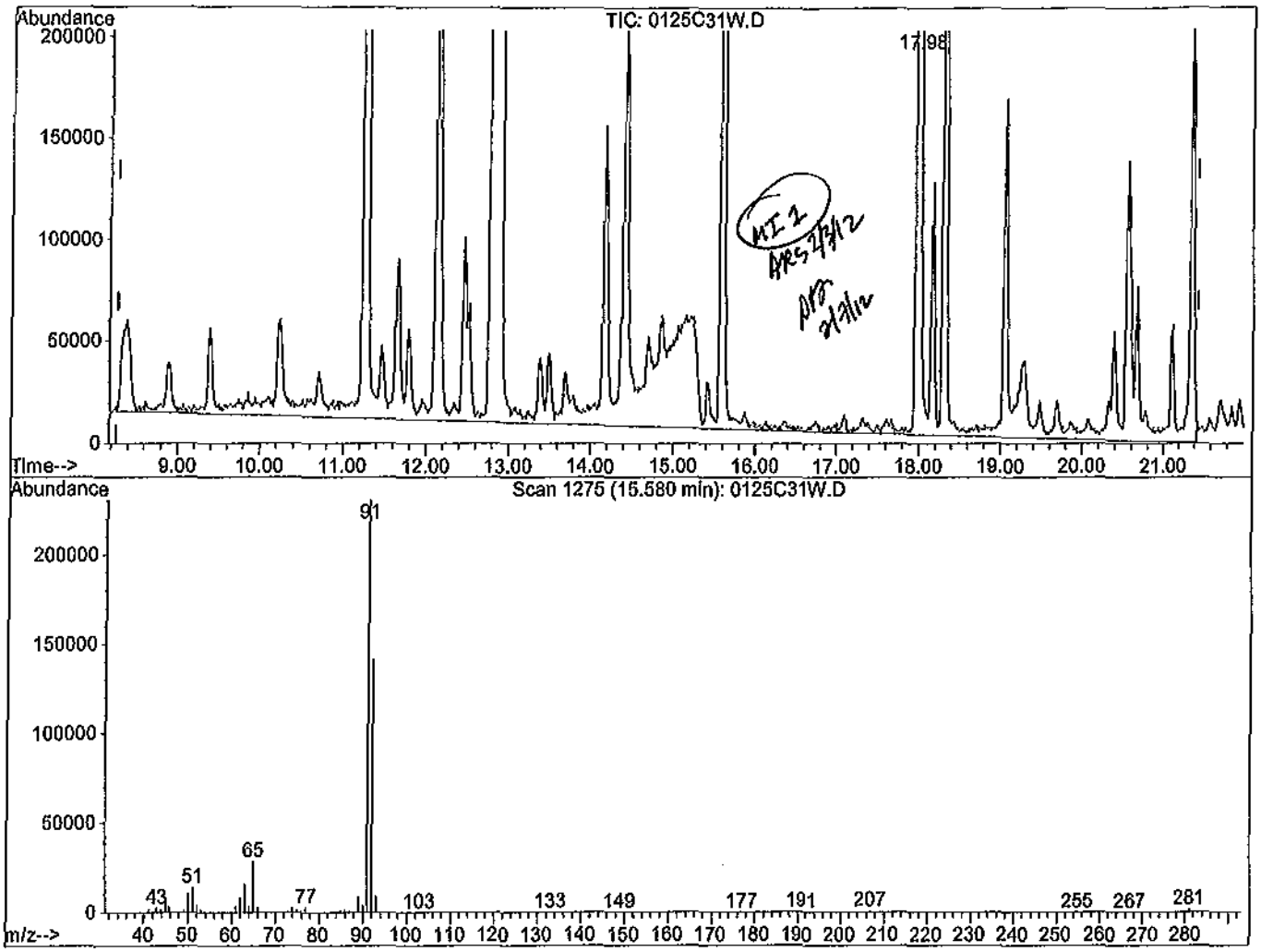
response 19945363

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.64#
0.00	0.00	1.85#
0.00	0.00	0.00

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C31W.D Vial: 1
Acq On : 26 Jan 12 20:46 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@100ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:13 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



TIC: 0125C31W.D

(2) Gasoline (TMHB)

17.98min 94.0404ppb m

response 26257782

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.48#
0.00	0.00	1.40#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C32W.D Vial: 1
Acq On : 26 Jan 12 21:24 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@300ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 3 12:09 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1085223	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1323772	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1382634	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	46451061m	304.86153	ppb	100

(#) = qualifier out of range (m) = manual integration
0125C32W.D CGAS.M Fri Feb 03 12:19:33 2012 Page 1

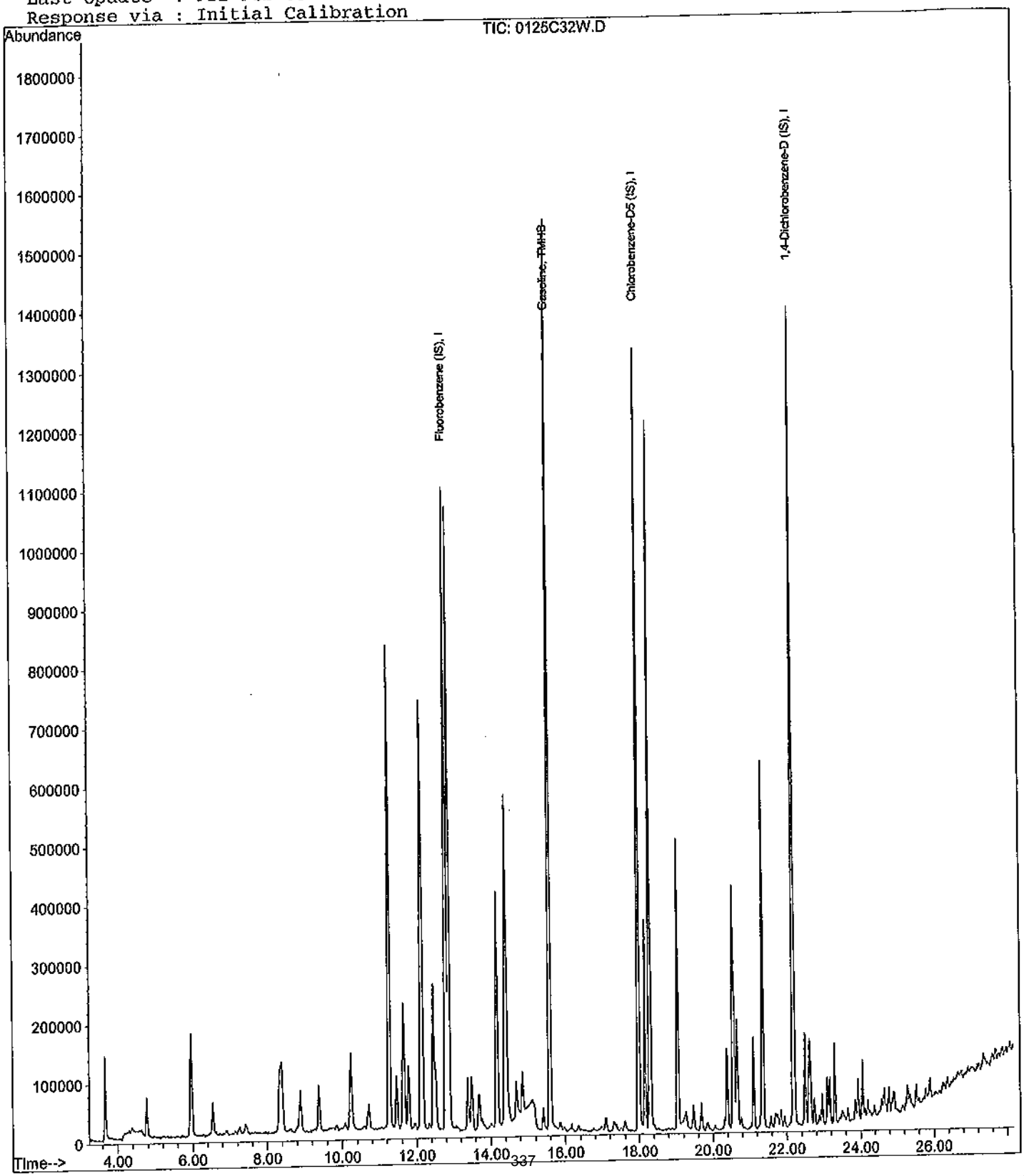
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C32W.D
Acq On : 26 Jan 12 21:24
Sample : Vol. Std. 01-26-12@300ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 3 12:09 2012 Quant Results File: CGAS.RES

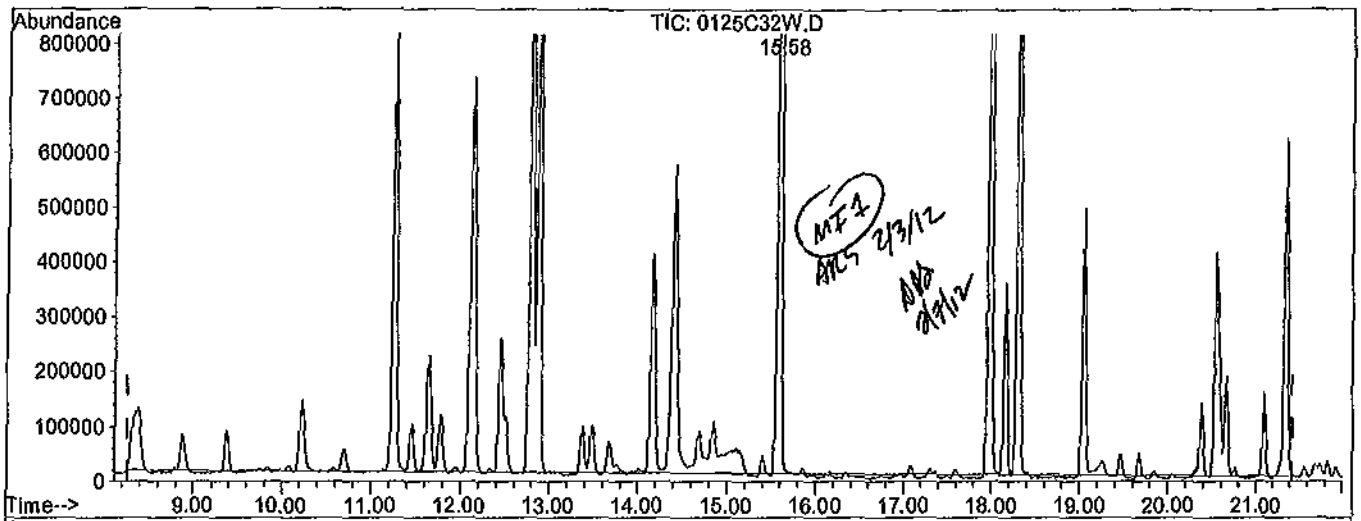
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration

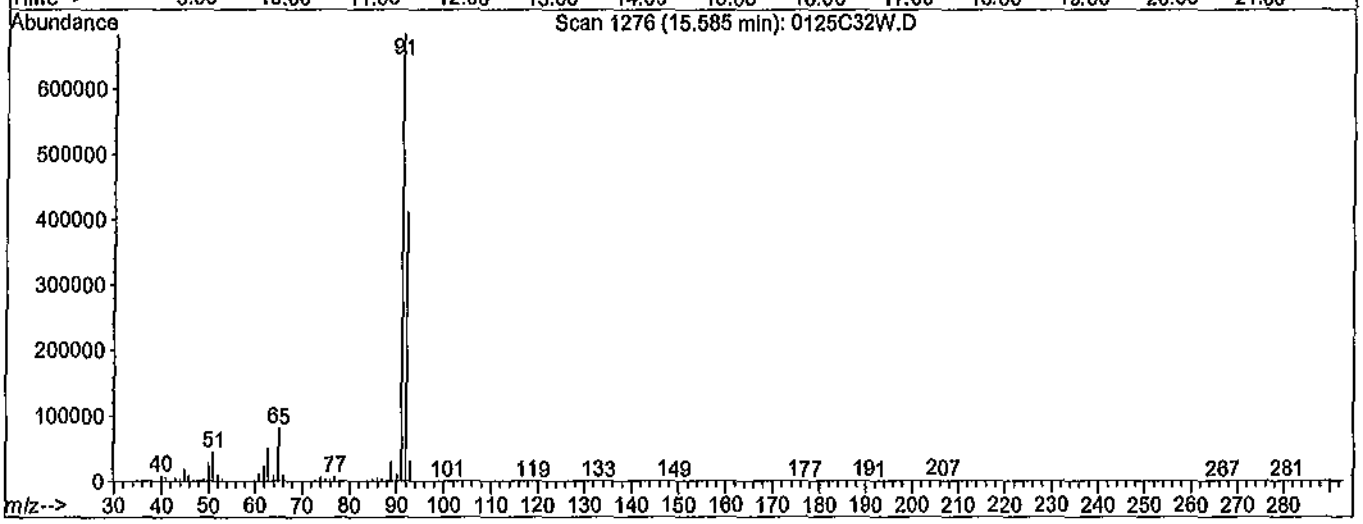


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C32W.D Vial: 1
Acq On : 26 Jan 12 21:24 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@300ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:07 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration





TIC: 0125C32W.D

(2) Gasoline (TMHB)

15.58min 245.6055ppb m

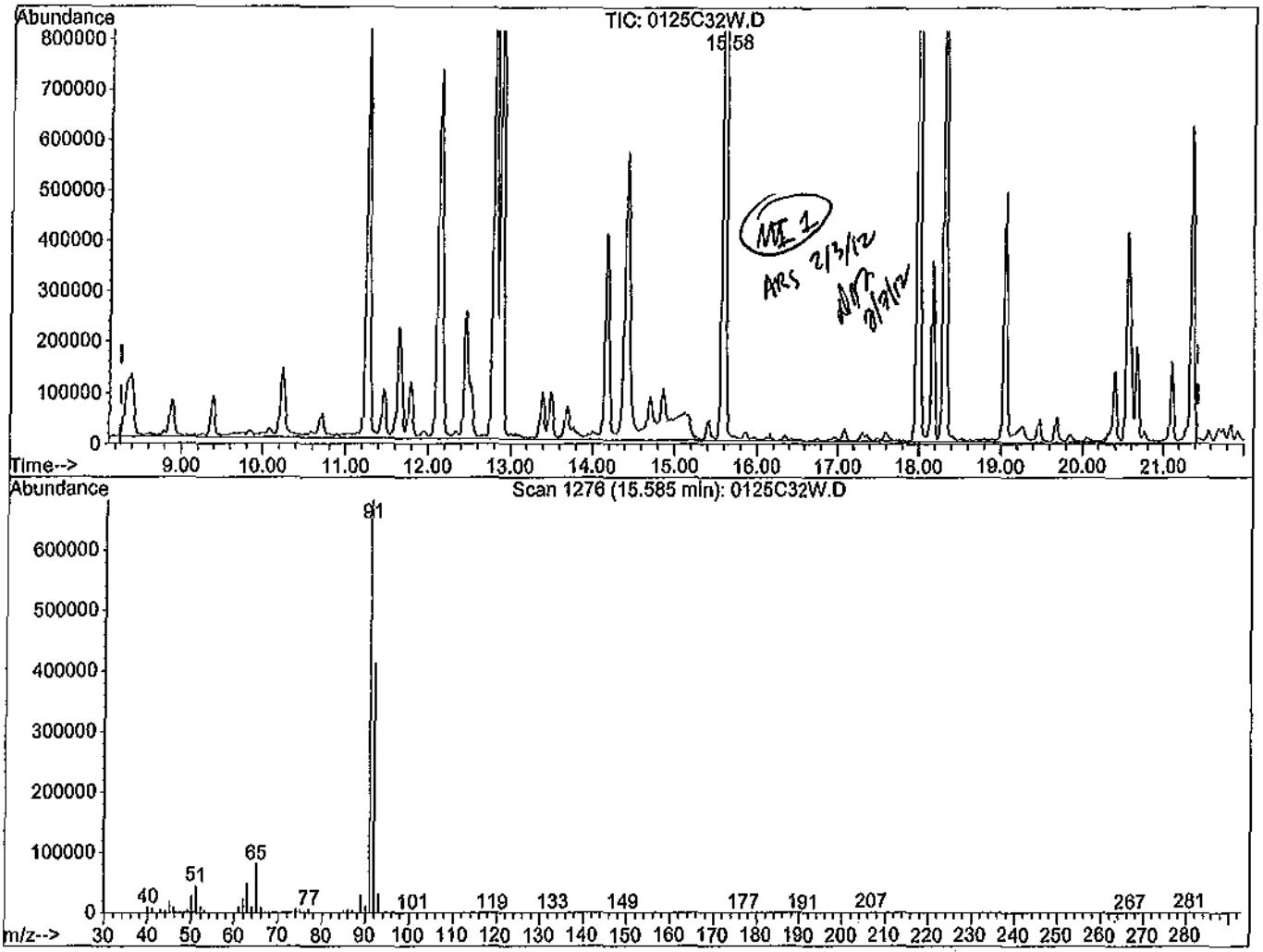
response 40810111

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.33#
0.00	0.00	0.94#
0.00	0.00	0.00

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C32W.D Vial: 1
Acq On : 26 Jan 12 21:24 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@300ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:09 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



TIC: 0125C32W.D

(2) Gasoline (TMHB)

15.58min 304.8615ppb m

response 46451061

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.29#
0.00	0.00	0.83#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C33W.D Vial: 1
Acq On : 26 Jan 12 22:01 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@600ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 3 12:07 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1115516	25.00000 ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1310876	25.00000 ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.19	TIC	1420552	25.00000 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline	15.58	TIC	72391801m	556.70838 ppb	100

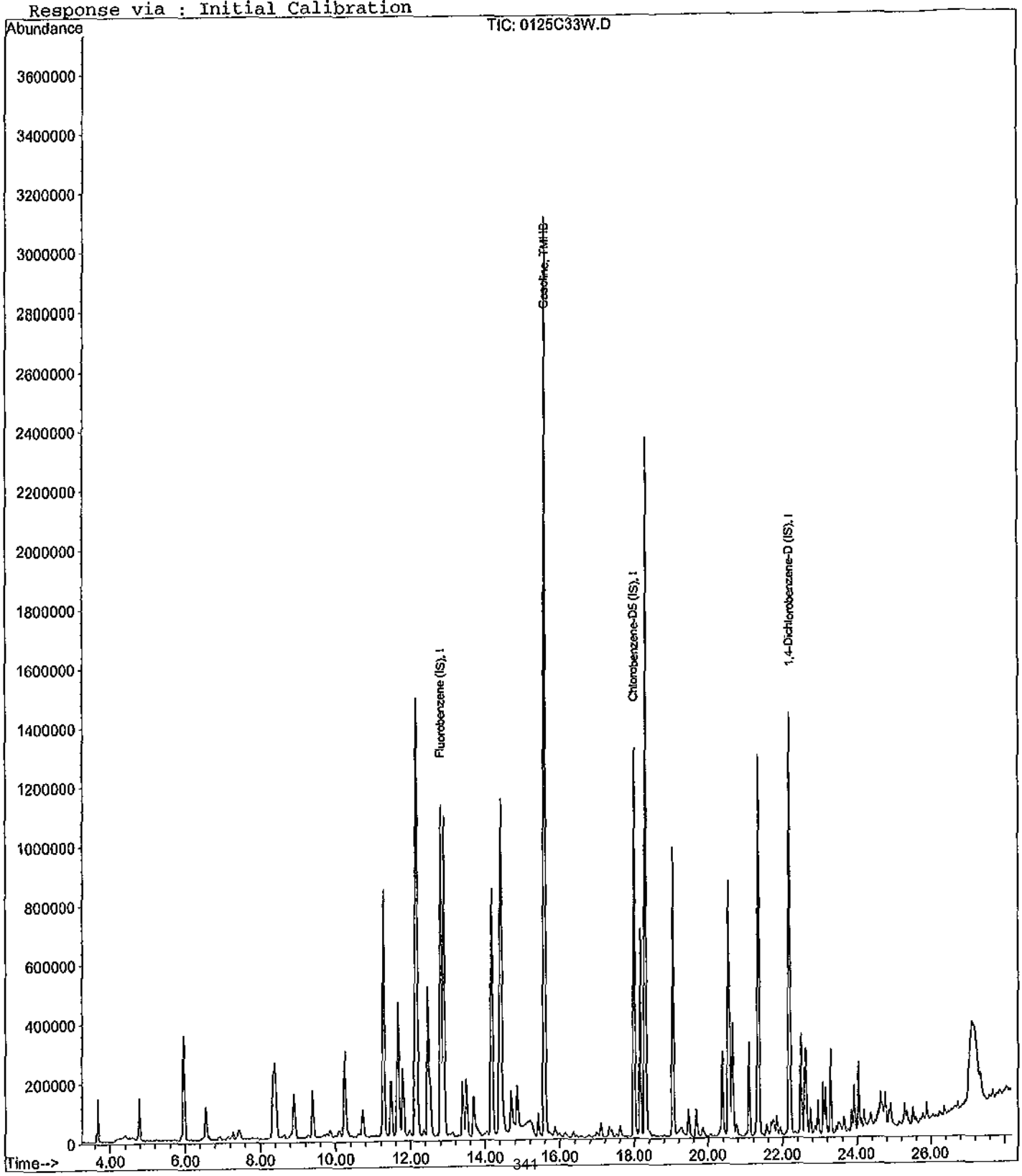
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C33W.D
Acq On : 26 Jan 12 22:01
Sample : Vol. Std. 01-26-12@600ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 3 12:07 2012 Quant Results File: CGAS.RES

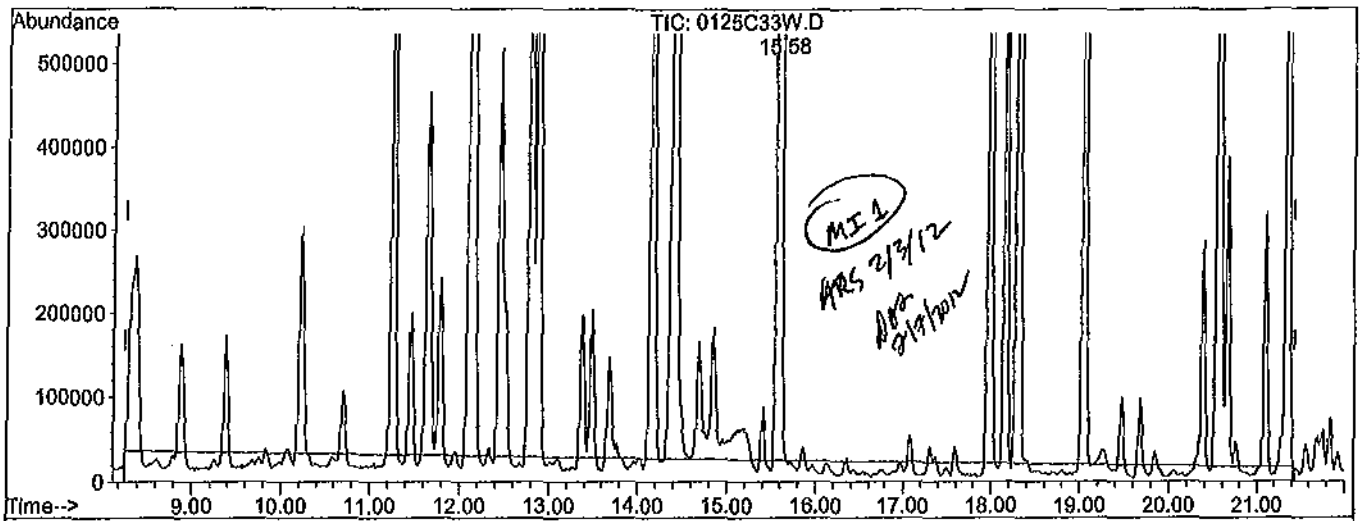
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration

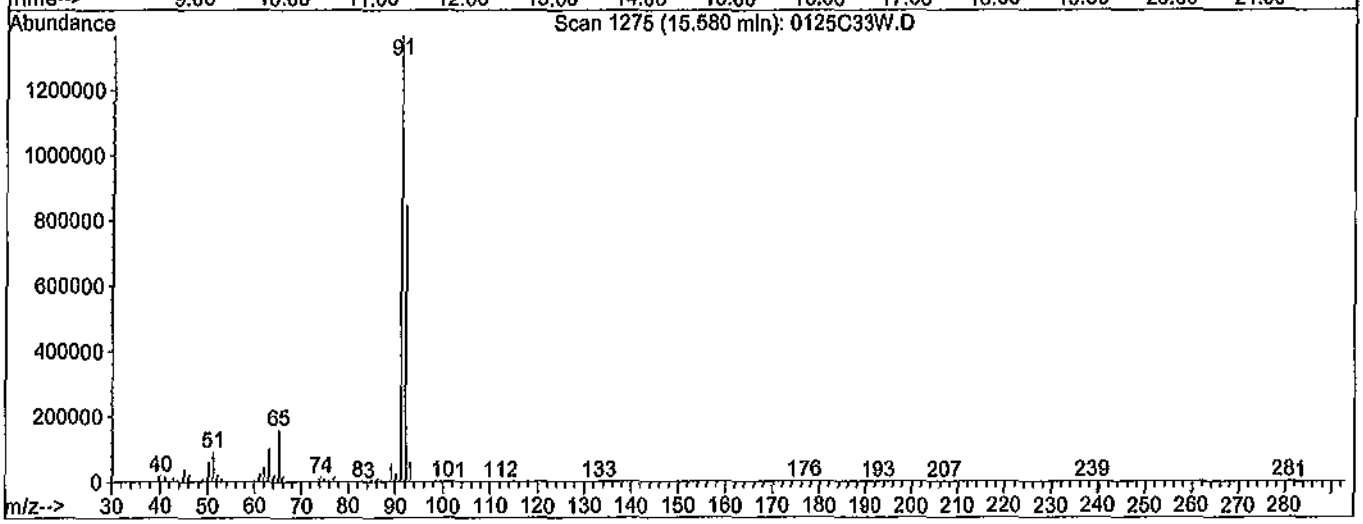


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C33W.D Vial: 1
Acq On : 26 Jan 12 22:01 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@600ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:07 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration





TIC: 0125C33W.D

(2) Gasoline (TMHB)

15.58min 556.7084ppb m

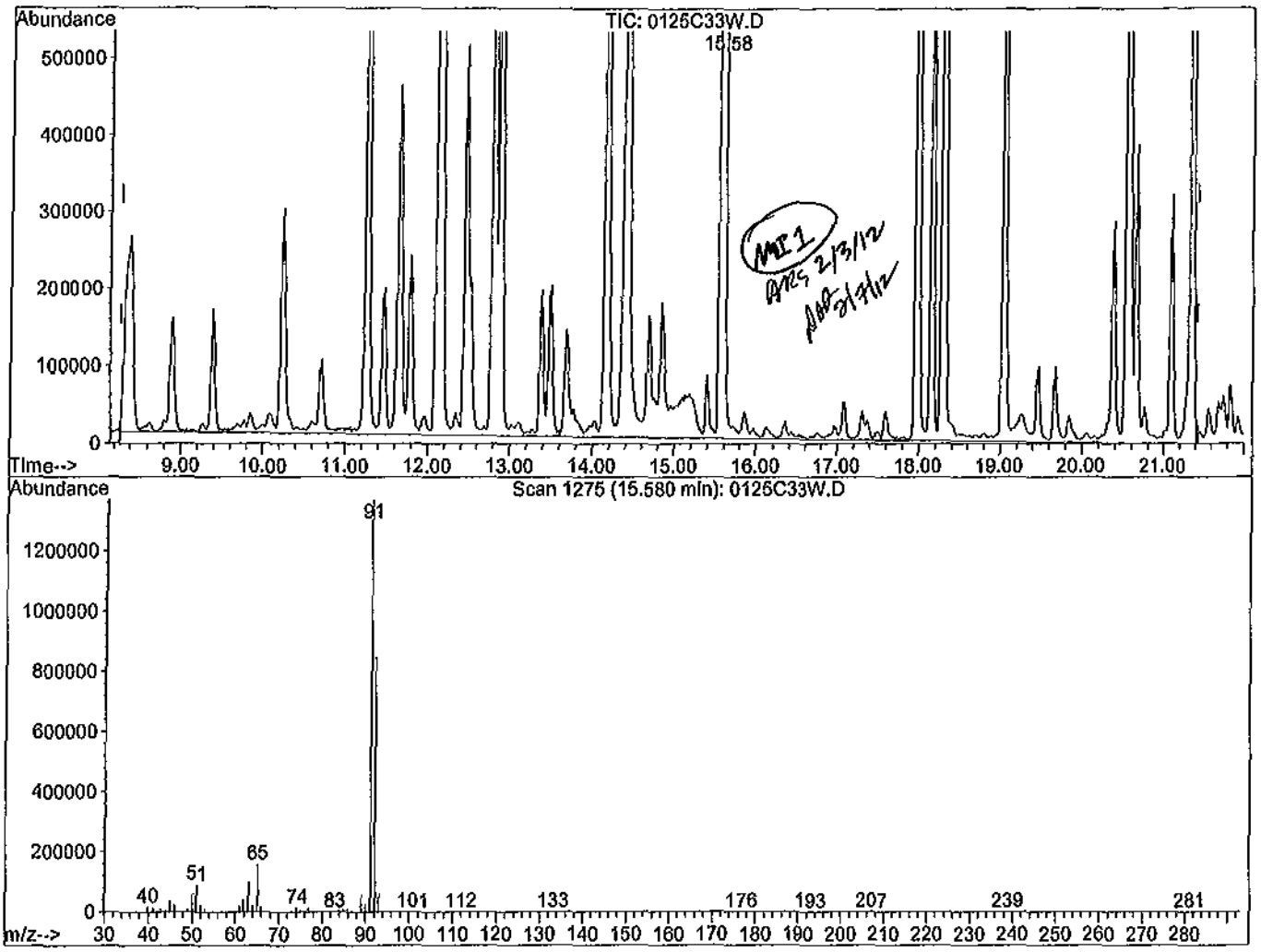
response 72391801

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.18#
0.00	0.00	0.53#
0.00	0.00	0.00

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C33W.D Vial: 1
Acq On : 26 Jan 12 22:01 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@600ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:16 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



TIC: 0125C33W.D

(2) Gasoline (TMHB)

15.58min 621.4121ppb m

response 78723288

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.16#
0.00	0.00	0.49#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C34W.D Vial: 1
Acq On : 26 Jan 12 22:38 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@800ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 3 12:17 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1172096	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1436710	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1528793	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	102155823m	810.48263	ppb	100

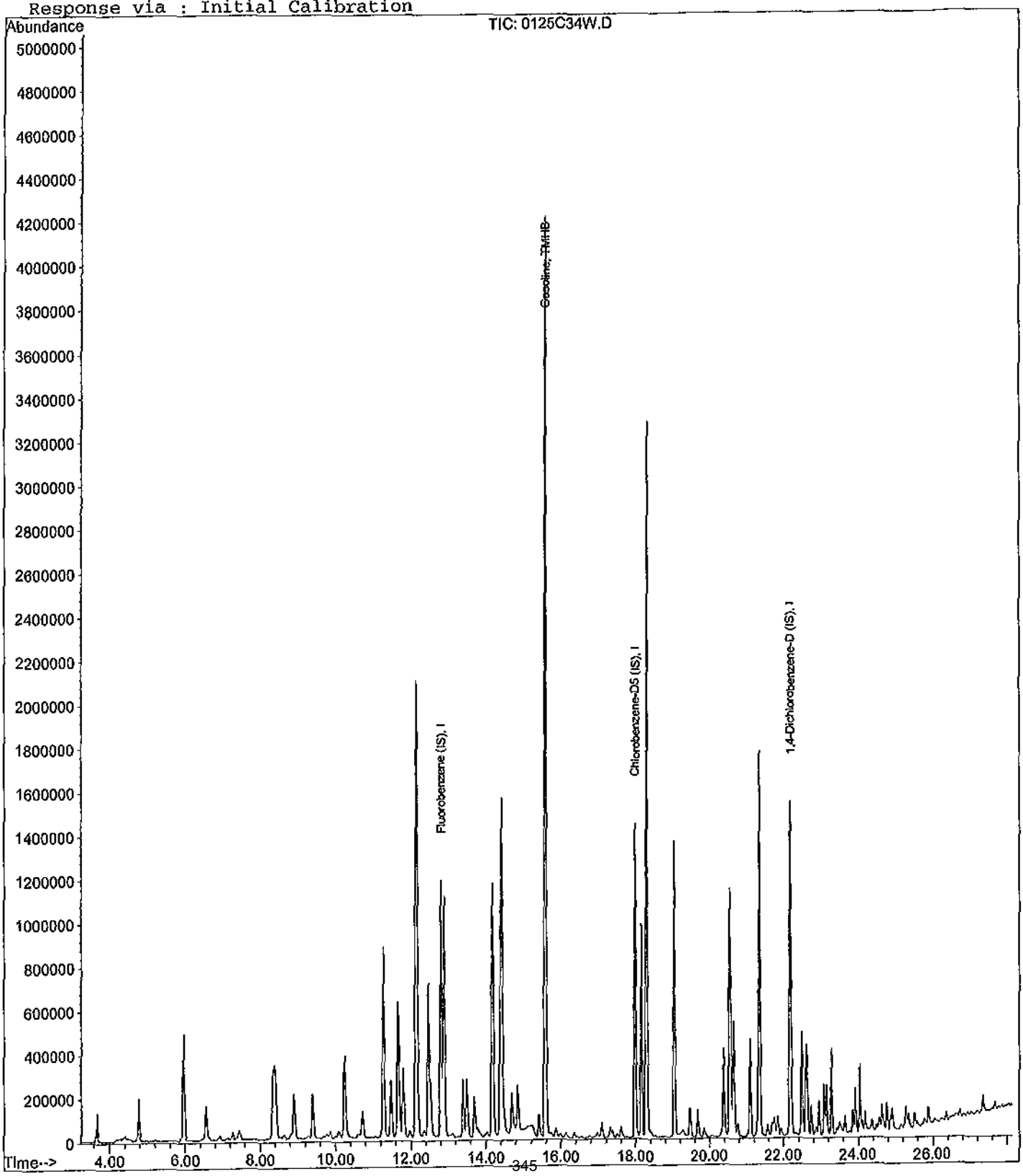
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C34W.D
Acq On : 26 Jan 12 22:38
Sample : Vol. Std. 01-26-12@800ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 3 12:17 2012 Quant Results File: CGAS.RES

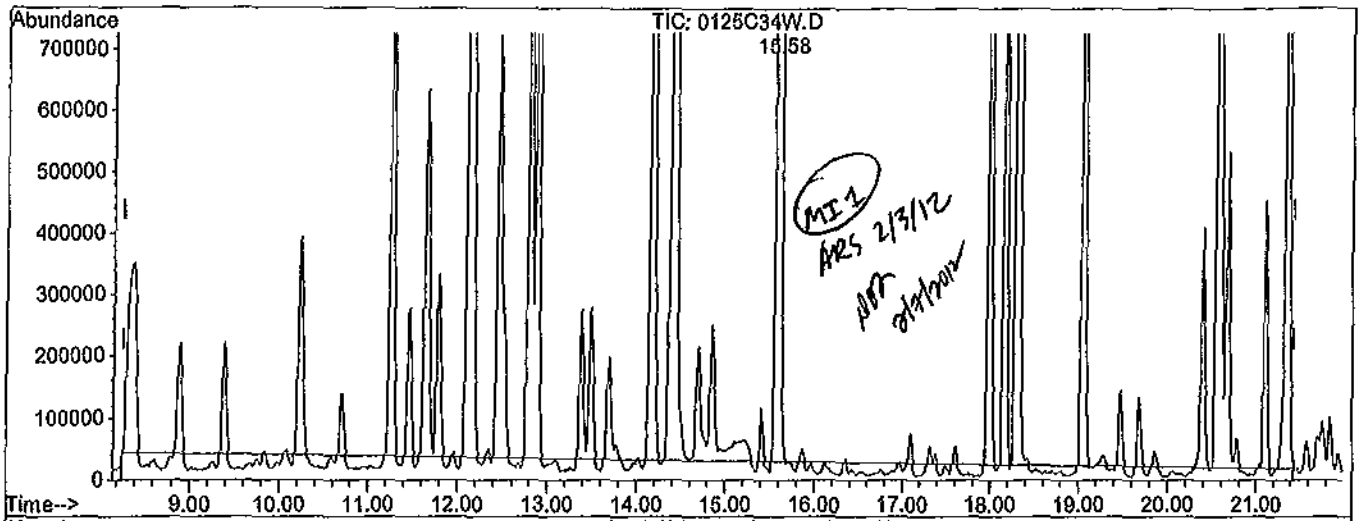
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration

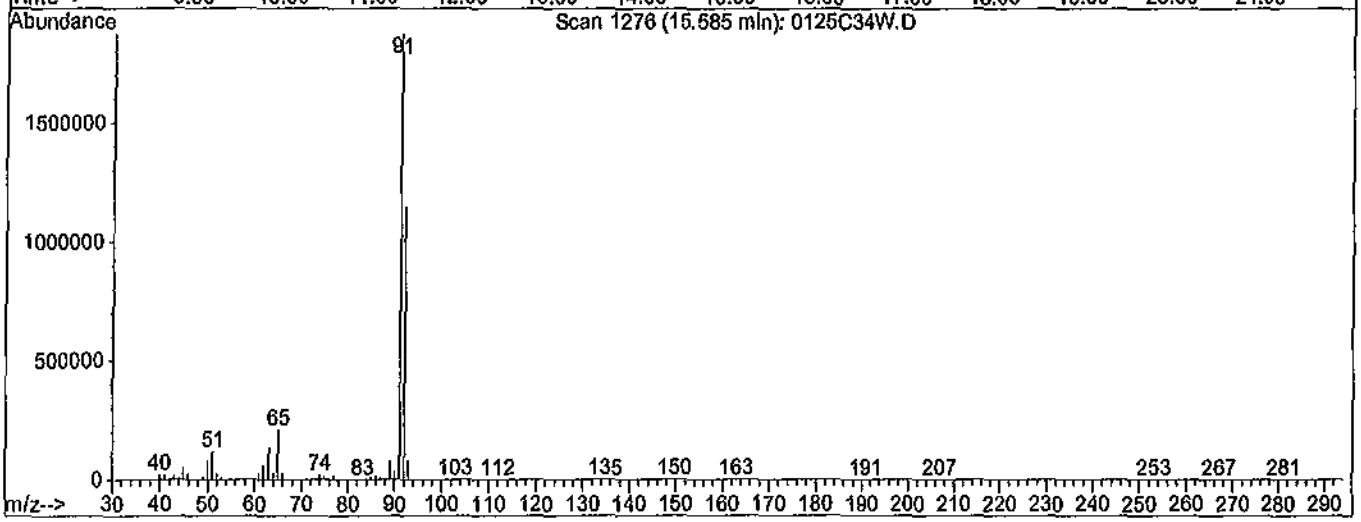


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C34W.D Vial: 1
Acq On : 26 Jan 12 22:38 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@800ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:07 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration





TIC: 0125C34W.D

(2) Gasoline (TMHB)

15.58min 730.0328ppb m

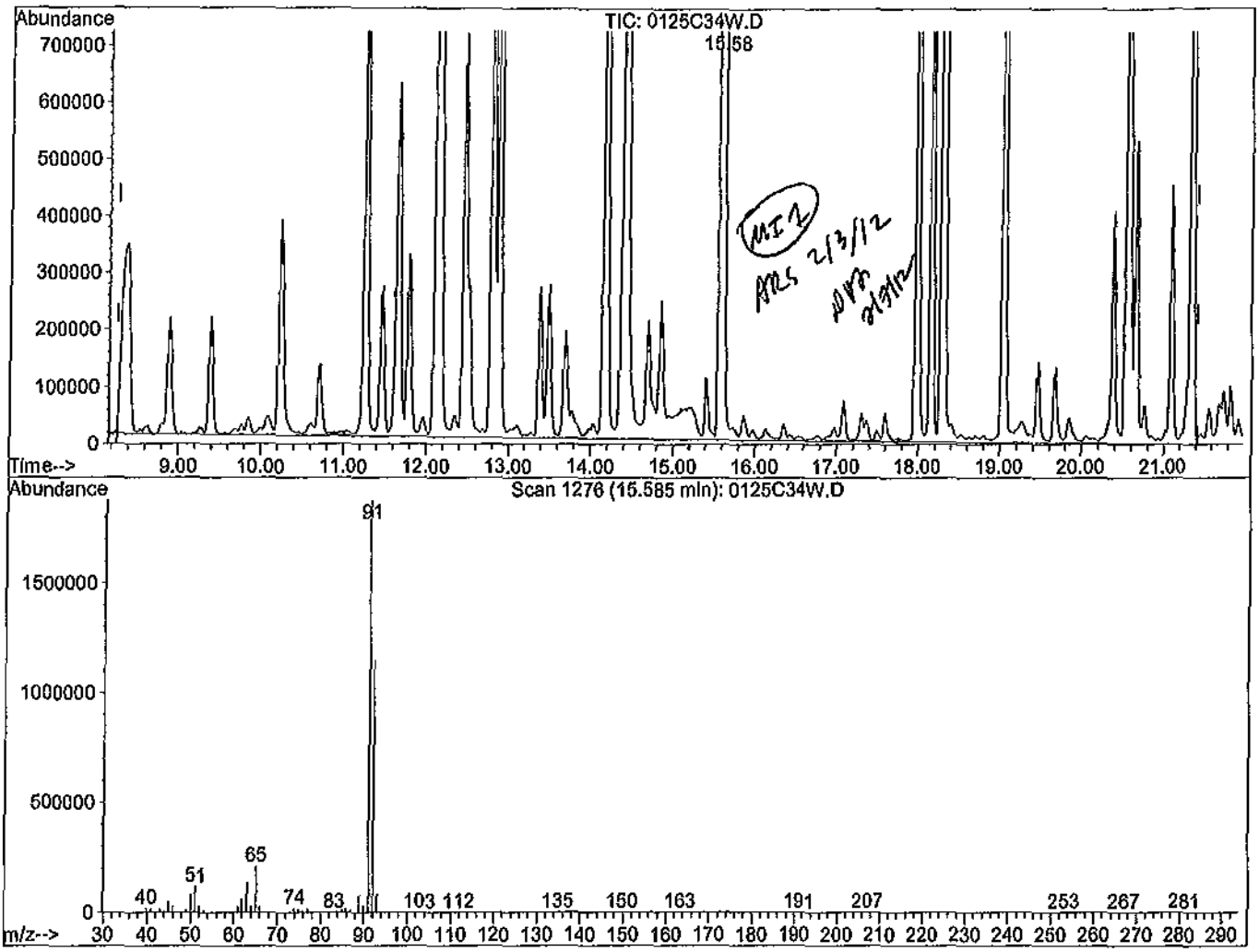
response 93884232

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.14#
0.00	0.00	0.44#
0.00	0.00	0.00

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C34W.D Vial: 1
Acq On : 26 Jan 12 22:38 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@800ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:17 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



TIC: 0125C34W.D

(2) Gasoline (TMHB)

15.58min 810.4826ppb m

response 102155823

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.13#
0.00	0.00	0.41#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C35W.D Vial: 1
Acq On : 26 Jan 12 23:15 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@1000ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 3 12:18 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1232092	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1442206	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1630956	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	129481006m	1014.92580	ppb	100

(#) = qualifier out of range (m) = manual integration
0125C35W.D CGAS.M Fri Feb 03 12:19:45 2012 Page 1

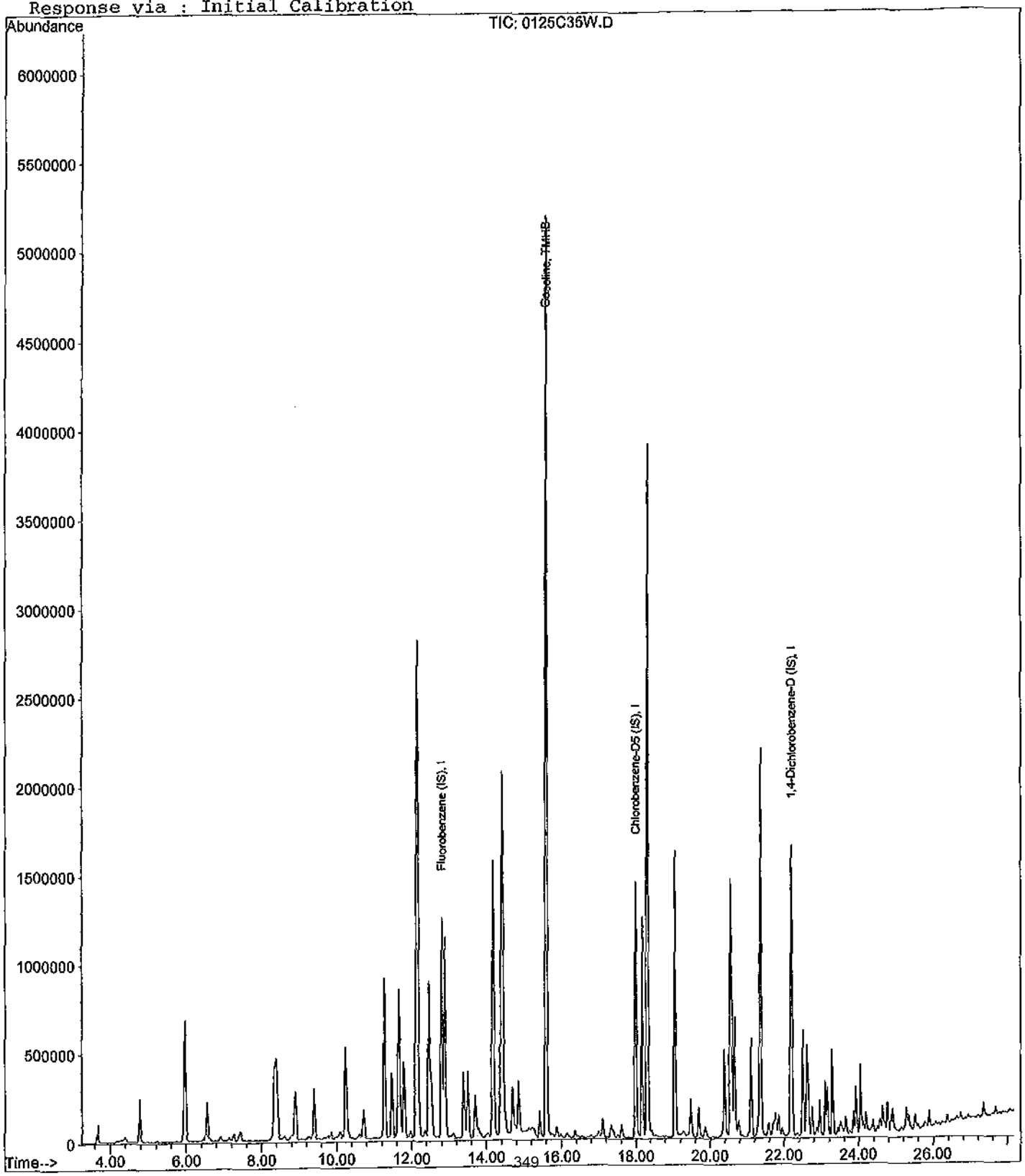
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C35W.D
Acq On : 26 Jan 12 23:15
Sample : Vol. Std. 01-26-12@1000ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 3 12:18 2012 Quant Results File: CGAS.RES

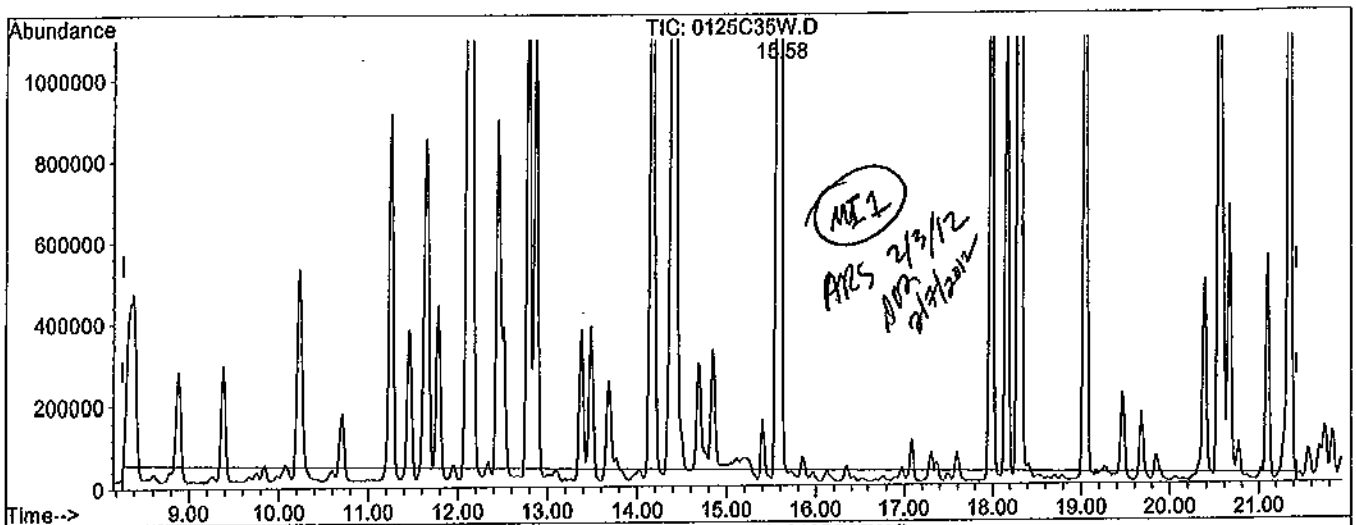
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Initial Calibration

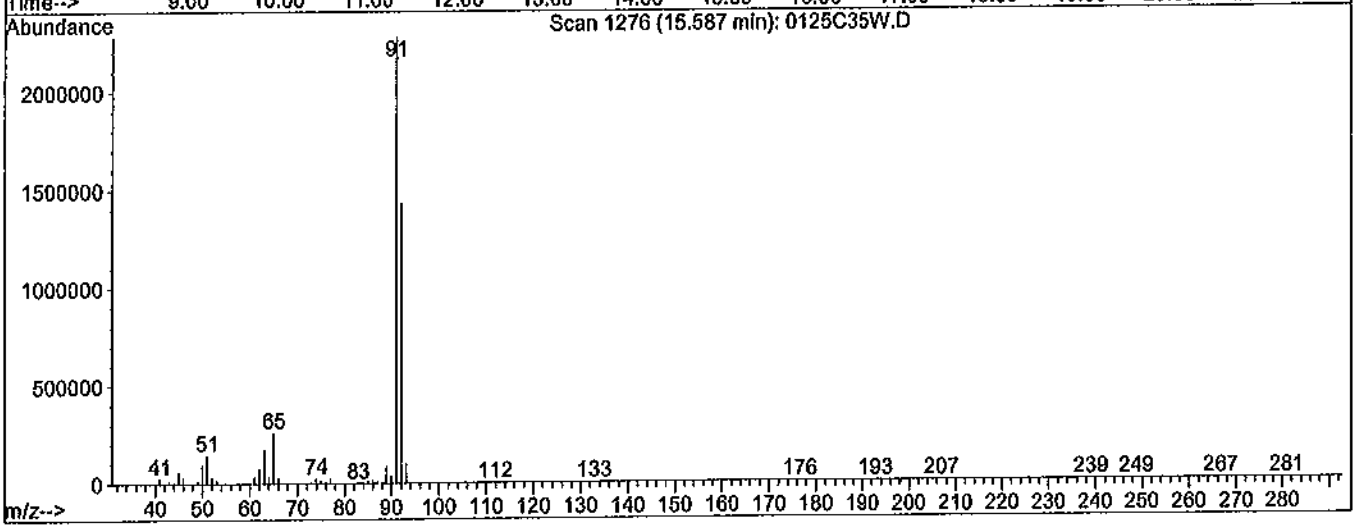


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C35W.D Vial: 1
Acq On : 26 Jan 12 23:15 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@1000ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:07 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration





TIC: 0125C35W.D

(2) Gasoline (TMHB)

15.58min 923.0372ppb m

response 119549717

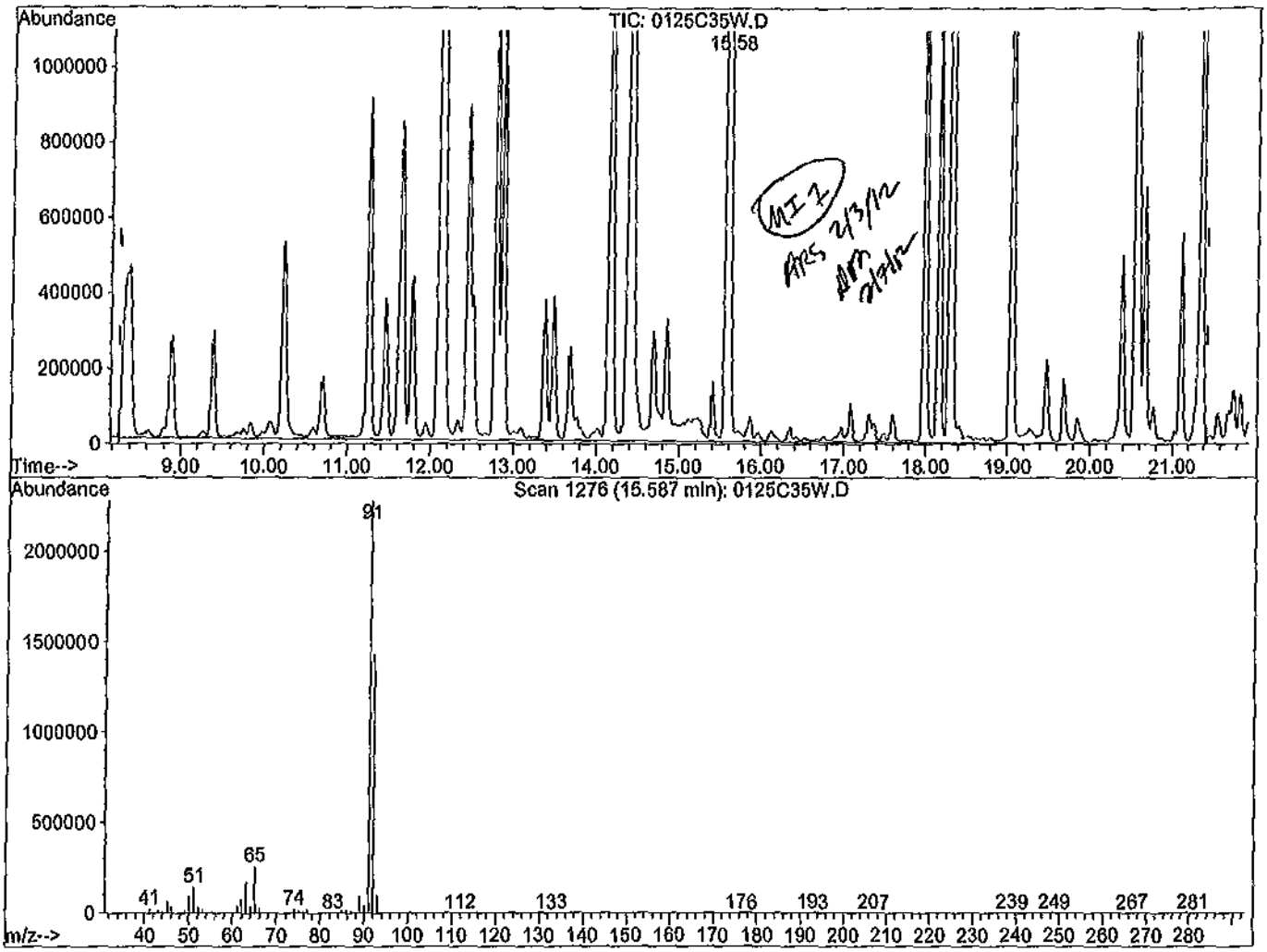
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.12#
0.00	0.00	0.35#
0.00	0.00	0.00

0125C35W.D CGAS.M Fri Feb 03 12:17:55 2012

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C35W.D Vial: 1
Acq On : 26 Jan 12 23:15 Operator: RS, ARS
Sample : Vol. Std. 01-26-12@1000ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 3 12:18 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 03 12:07:16 2012
Response via : Single Level Calibration



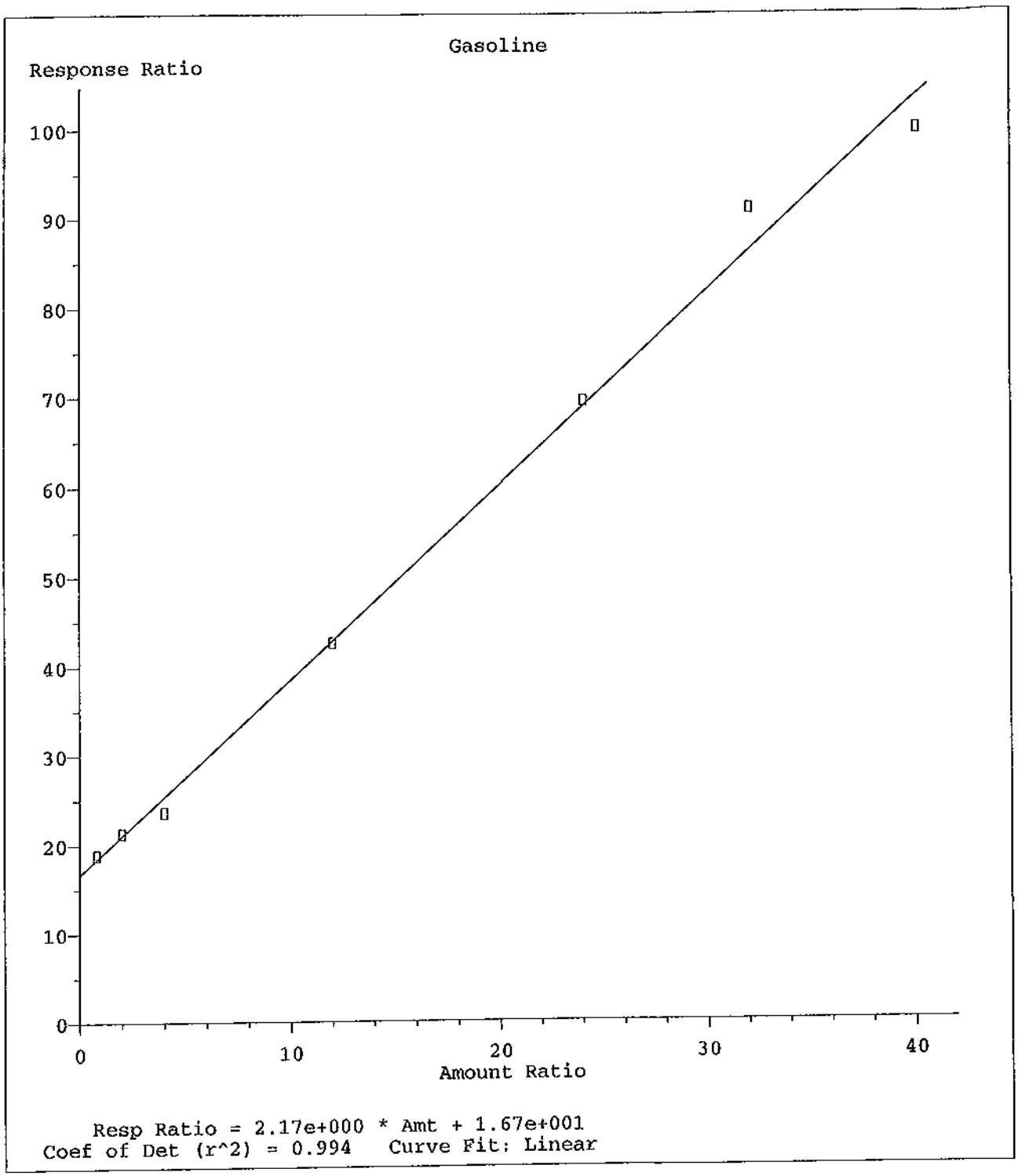
TIC: 0125C35W.D

(2) Gasoline (TMHB)

15.58min 1014.9258ppb m

response 129481006

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.11#
0.00	0.00	0.33#
0.00	0.00	0.00



Method Name: M:\CHICO\DATA\C120125\CGAS.M
Calibration Table Last Updated: Tue Feb 07 09:36:43 2012

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Initial Cal. Date: 01/25/12
Data File: 0125C38W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline	7.410	3.556	52	TMHBL	0.36
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
6							
7							
8							
9							
10							
11							
12							
13							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			52.0		

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0125C38W.D Vial: 1
Acq On : 27 Jan 12 1:06 Operator: RS, ARS
Sample : Second Source 01-26-12 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:37 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1138336	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1375303	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1433410	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	48578324m	298.92978	ppb	100

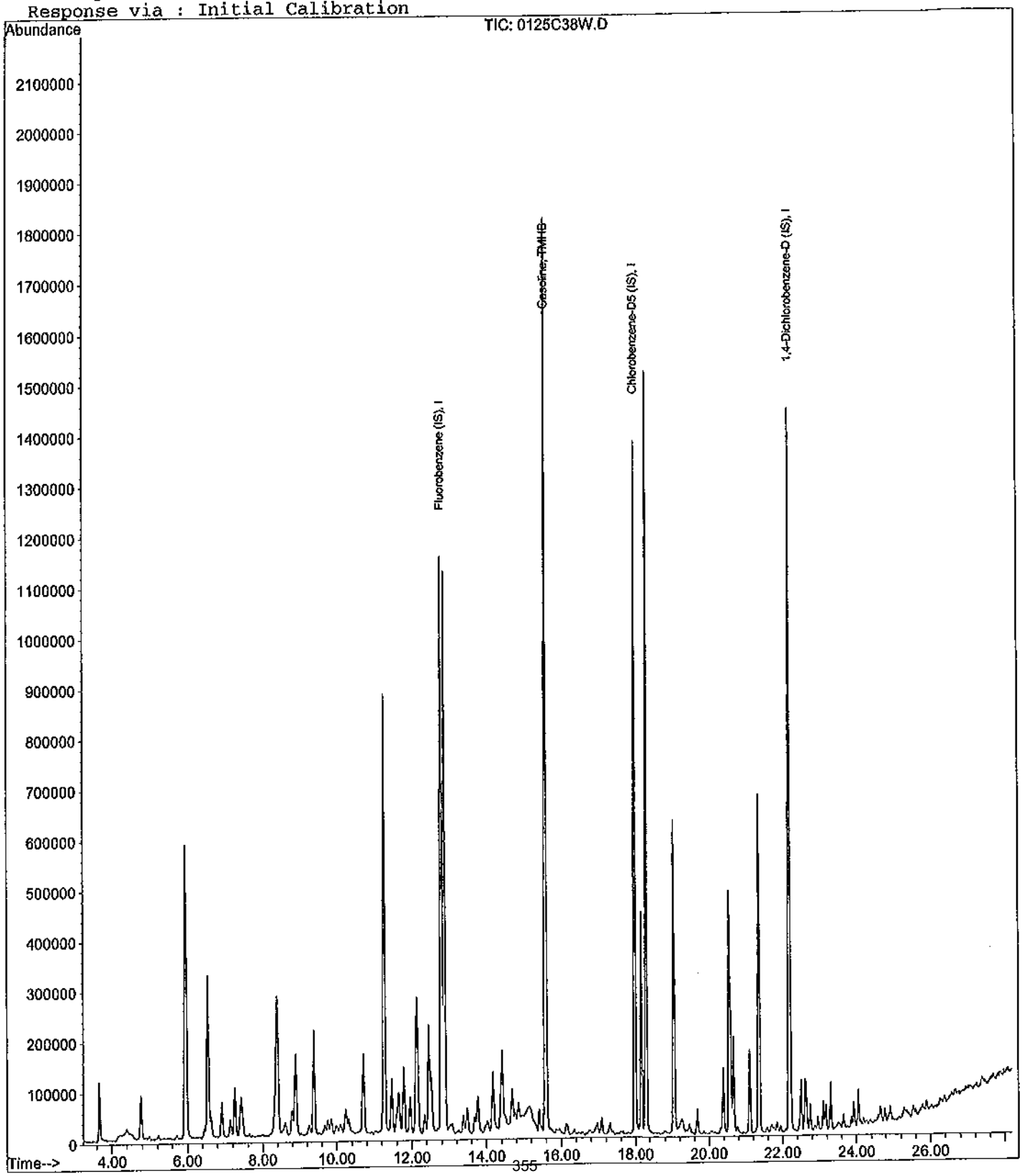
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C38W.D
Acq On : 27 Jan 12 1:06
Sample : Second Source 01-26-12
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:37 2012 Quant Results File: CGAS.RES

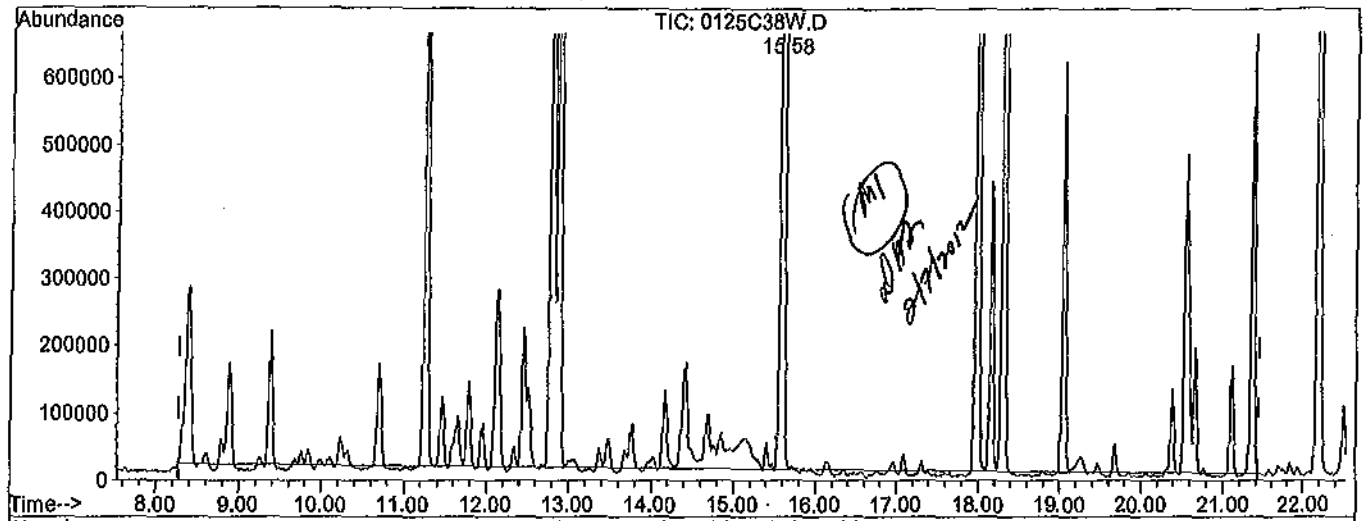
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration

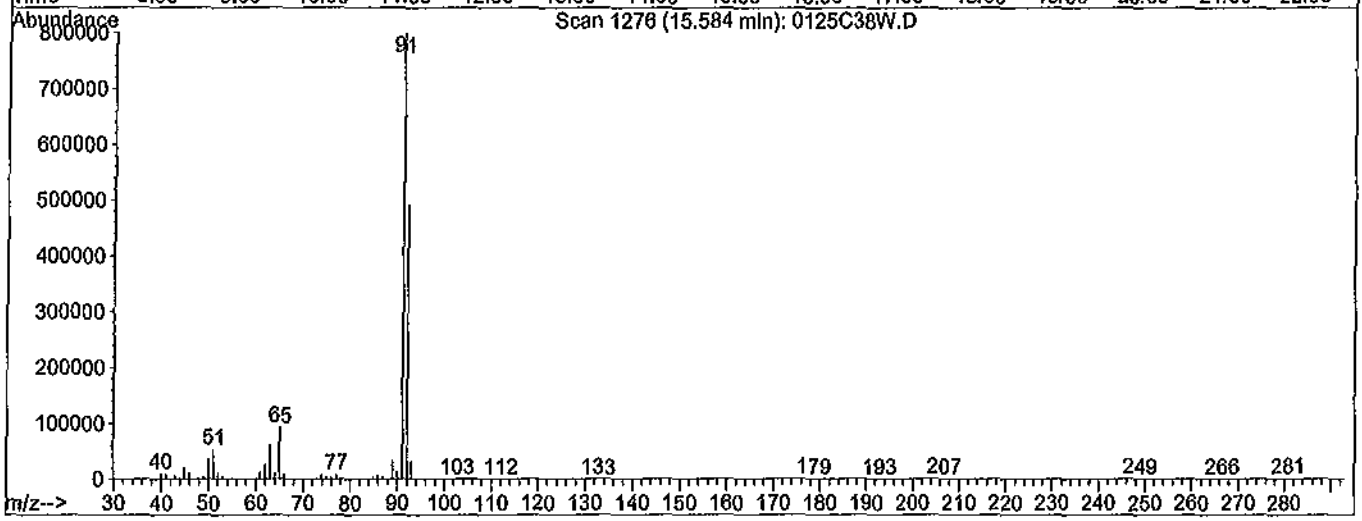


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C38W.D Vial: 1
Acq On : 27 Jan 12 1:06 Operator: RS, ARS
Sample : Second Source 01-26-12 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:37 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration





TIC: 0125C38W.D

(2) Gasoline (TMHB)

15.58min 202.8575ppb m

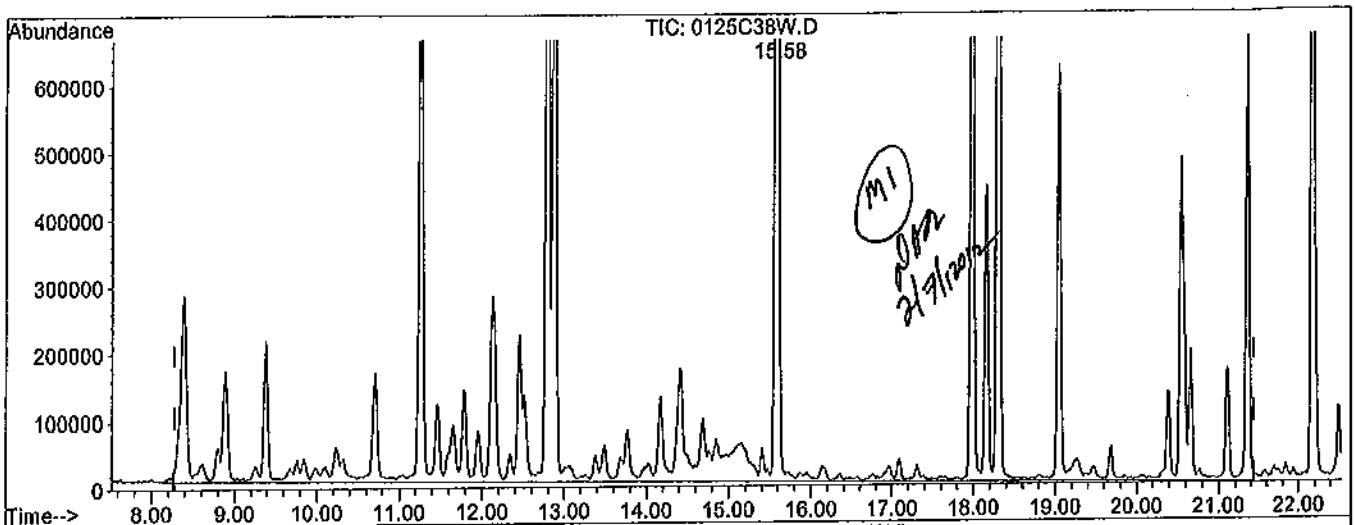
response 39074056

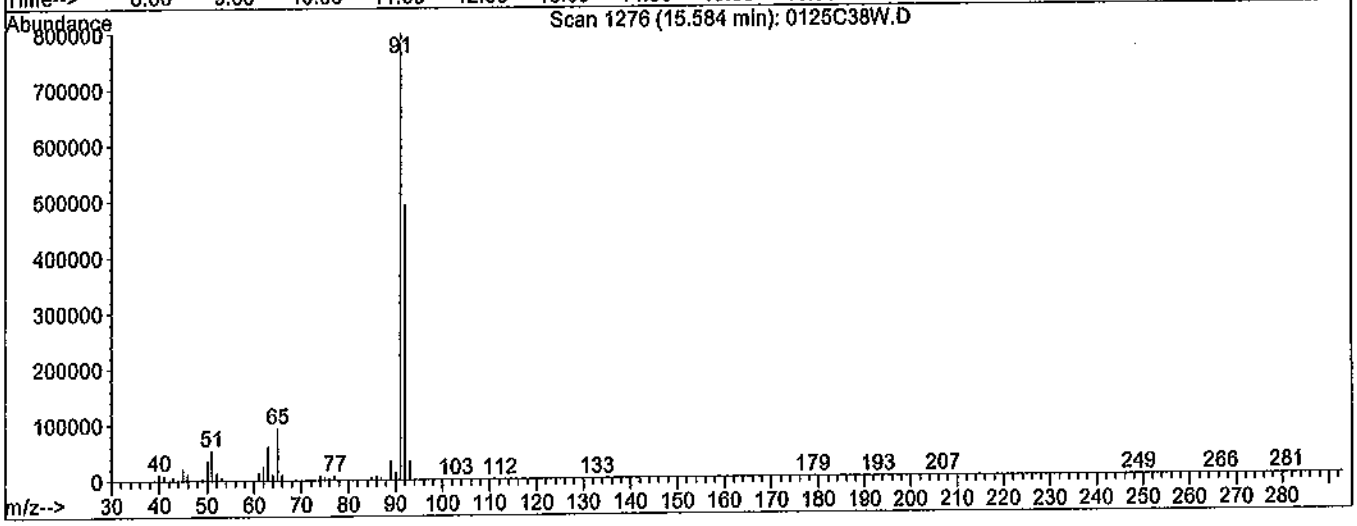
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.34#
0.00	0.00	1.04#
0.00	0.00	0.00

Quantitation Report

Data File : M:\CHICO\DATA\C120125\0125C38W.D Vial: 1
Acq On : 27 Jan 12 1:06 Operator: RS, ARS
Sample : Second Source 01-26-12 Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:37 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration





TIC: 0125C38W.D

(2) Gasoline (TMHB)

15.58min 298.9298ppb m

response 48578324

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.28#
0.00	0.00	0.84#
0.00	0.00	0.00

0125C38W.D CGAS.M Tue Feb 07 09:37:34 2012

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No: 66795
Date Analyzed: 01/27/12
Instrument: Chico
Initial Cal. Date: 01/25/12
Data File: 0127C05W.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline	7.410	3.910	47	TMHBL	16
3	I	Chlorobenzene-D5 (IS)	ISTD			I	
4	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
5							
6							
7							
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35							
36							
37							
38							
39							
40							
		Average			47.0		

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C05W.D Vial: 1
Acq On : 27 Jan 12 12:32 Operator: RS, ARS
Sample : CCV gas 300ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:39 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1173654	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1400160	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1488879	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	55064618m	347.74562	ppb	100

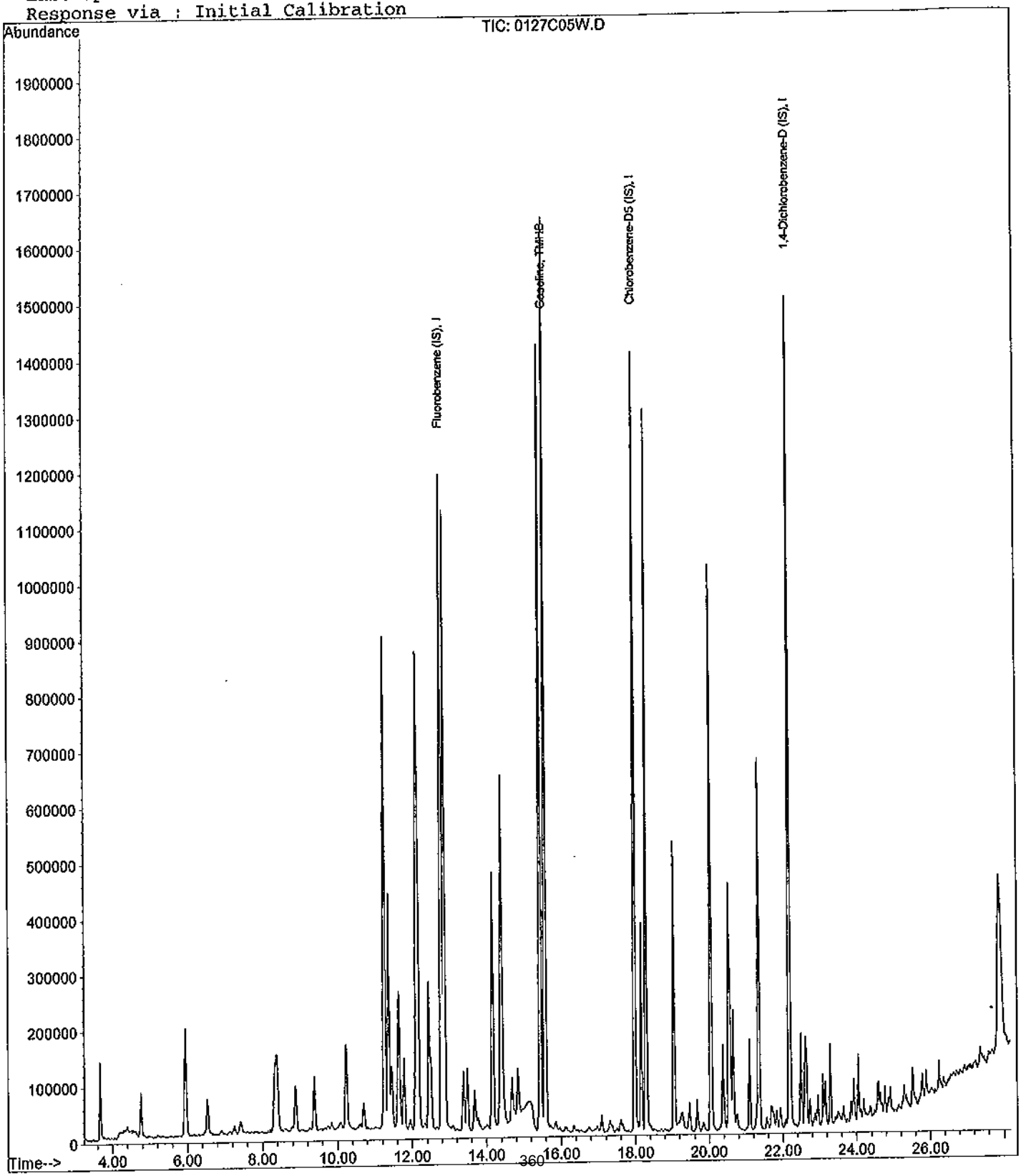
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C05W.D
Acq On : 27 Jan 12 12:32
Sample : CCV gas 300ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:39 2012 Quant Results File: CGAS.RES

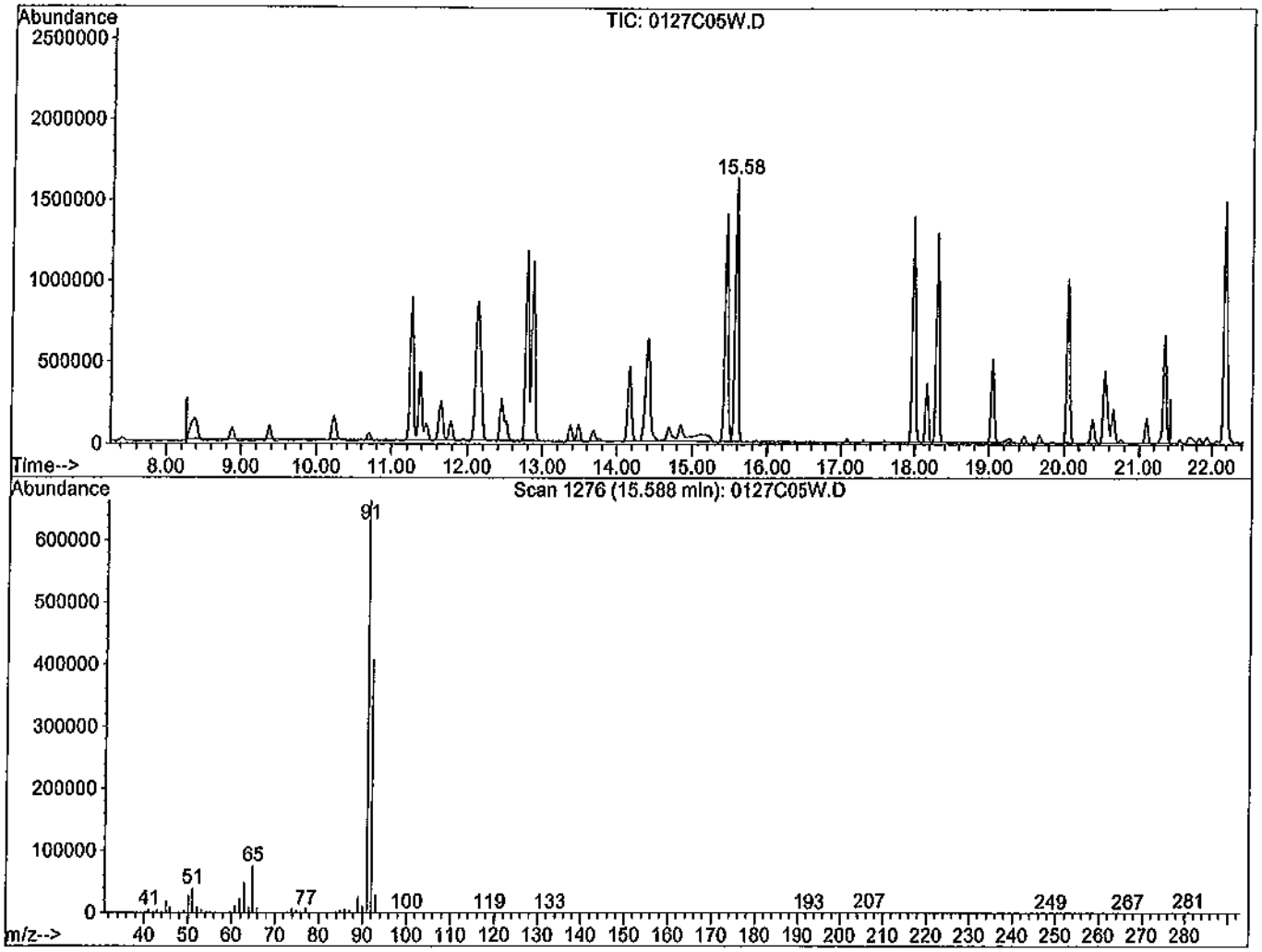
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration



Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C05W.D Vial: 1
Acq On : 27 Jan 12 12:32 Operator: RS, ARS
Sample : CCV gas 300ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 9 12:54 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration



TIC: 0127C05W.D

(2) Gasoline (TMHB)

15.58min 347.7456ppb m

response 55084618

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.27#
0.00	0.00	0.76#
0.00	0.00	0.00

EPA METHOD 8260B
Volatile Organic Compounds
Raw Data

APPL, INC.

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120127W-53807 - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/27/12	01/27/12
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/27/12	01/27/12
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/27/12	01/27/12
BLANK	1,2,4-TRICHLOROBENZENE	0.28 J	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	01/27/12	01/27/12
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/27/12	01/27/12
BLANK	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
BLANK	1,3-DICHLOROBENZENE	0.12 J	1.0	0.22	0.11	ug/L	01/27/12	01/27/12
BLANK	1,3-DICHLOROPROPENE, TOTA	0.36 U	1.0	0.36	0.18	ug/L	01/27/12	01/27/12
BLANK	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/27/12	01/27/12
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/27/12	01/27/12
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/27/12	01/27/12
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/27/12	01/27/12
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/27/12	01/27/12
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/27/12	01/27/12
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/27/12	01/27/12
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/27/12	01/27/12
BLANK	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/27/12	01/27/12
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/27/12	01/27/12
BLANK	HEXACHLOROBUTADIENE	0.26 J	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/27/12	01/27/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0127C09
Instrument: Chico
Sequence: C120125
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:38:41 AM

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120127W-53807 - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	01/27/12	01/27/12
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/27/12	01/27/12
BLANK	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/27/12	01/27/12
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/27/12	01/27/12
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/27/12	01/27/12
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/27/12	01/27/12
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/27/12	01/27/12
BLANK	SURROGATE: 1,2-DICHLOROET	106	70-120			%	01/27/12	01/27/12
BLANK	SURROGATE: 4-BROMOFLUOR	99.1	75-120			%	01/27/12	01/27/12
BLANK	SURROGATE: DIBROMOFLUOR	102	85-115			%	01/27/12	01/27/12
BLANK	SURROGATE: TOLUENE-D8 (S)	103	85-120			%	01/27/12	01/27/12

J = Estimated value.

Quant Method: CALLW.M
Run #: 0127C09
Instrument: Chico
Sequence: C120125
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:38:41 AM

Quantitation Report (QT Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C09W.D Vial: 1
Acq On : 27 Jan 12 15:01 Operator: RS, ARS
Sample : 120127A BLK-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 30 16:52 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	96	575259	25.00000 ppb	0.02
54) Chlorobenzene-D5 (IS)	17.98	117	477248	25.00000 ppb	0.01
70) 1,4-Dichlorobenzene-D (IS)	22.18	152	253632	25.00000 ppb	0.01
System Monitoring Compounds					
32) Dibromofluoromethane(S)	11.37	111	378041	24.68658 ppb	0.01
Spiked Amount 24.119			Recovery = 102.354%		
37) 1,2-DCA-D4(S)	12.18	65	268532	24.30448 ppb	0.02
Spiked Amount 22.874			Recovery = 106.251%		
55) Toluene-D8(S)	15.45	98	1536986	25.48458 ppb	0.02
Spiked Amount 24.755			Recovery = 102.949%		
63) 4-Bromofluorobenzene(S)	20.05	95	559559	26.54717 ppb	0.01
Spiked Amount 26.777			Recovery = 99.140%		
Target Compounds					Qvalue
25) Vinyl Acetate	9.38	43	2108	0.85726 ppb #	81
36) 2,2,4-Trimethylpentane	12.12	57	36860	0.94980 ppb #	89
78) 4-Ethyltoluene	20.58	105	6174	0.11269 ppb	98
87) 1,3-DCB	22.09	146	4107	0.11605 ppb	89
90) n-Butylbenzene	22.65	91	11918	0.18556 ppb	96
93) 1,2,4-Trichlorobenzene	25.54	180	2343	0.27618 ppb	92
94) Hexachlorobutadiene	25.78	223	3303	0.26455 ppb	83

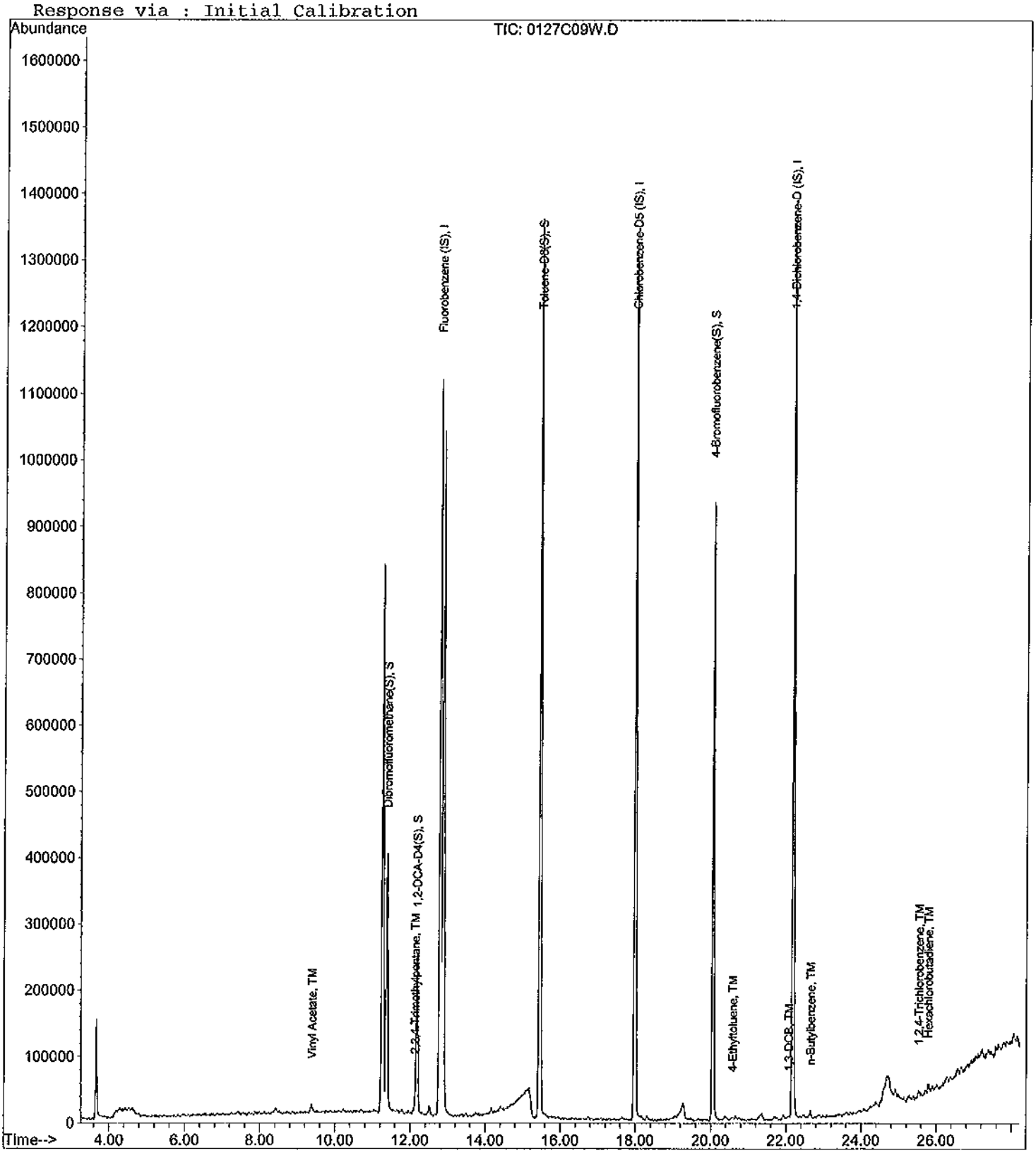
(#) = qualifier out of range (m) = manual integration

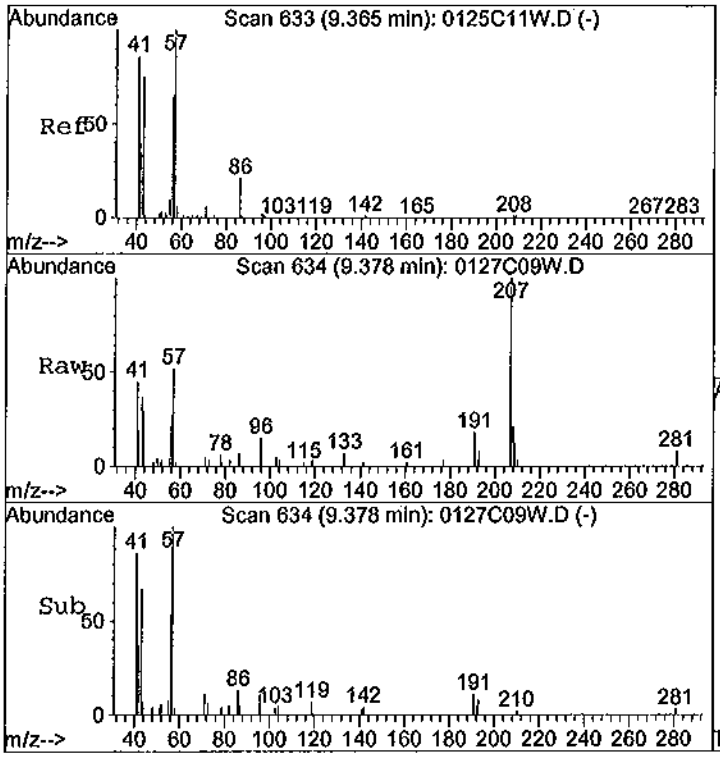
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C09W.D Vial: 1
Acq On : 27 Jan 12 15:01 Operator: RS, ARS
Sample : 120127A BLK-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 30 16:52 2012 Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration

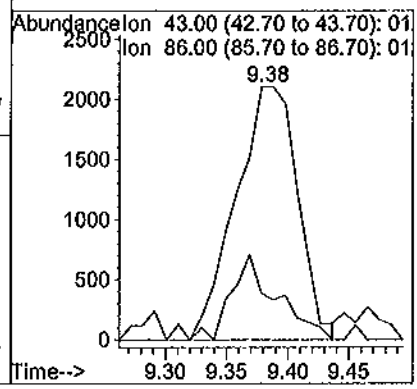


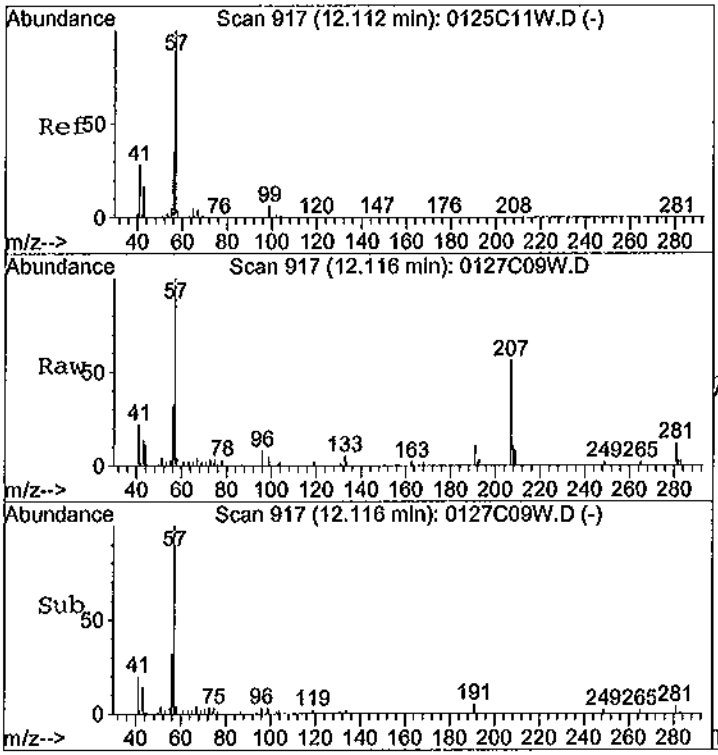


#25
Vinyl Acetate
Concen: 0.85726 ppb
RT: 9.38 min Scan# 634
Delta R.T. 0.01 min
Lab File: 0127C09W.D
Acq: 27 Jan 12 15:01

Tgt Ion: 43 Resp: 2108

Ion	Ratio	Lower	Upper
43	100		
86	18.4	20.0	37.1#

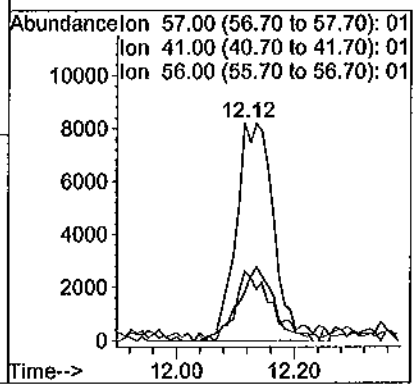


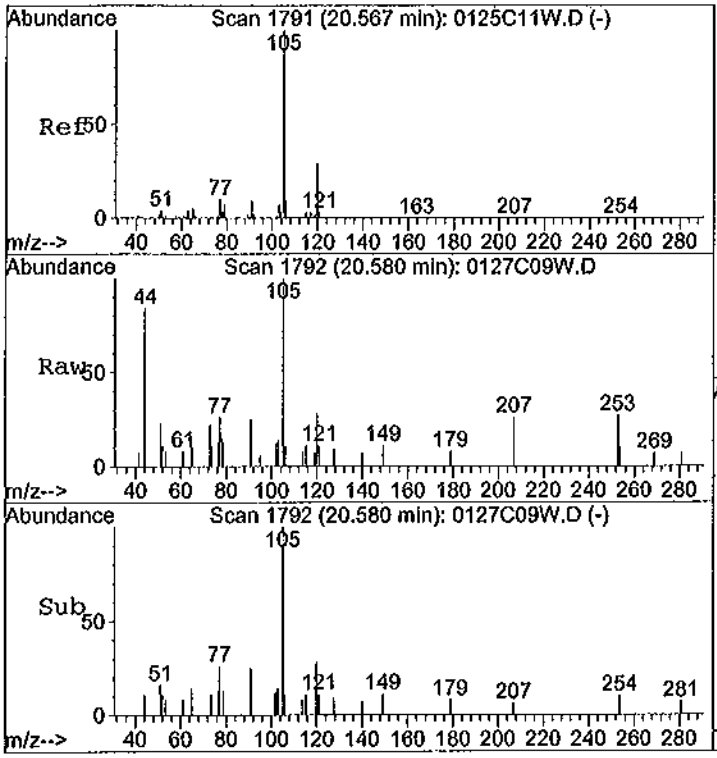


#36
2,2,4-Trimethylpentane
Concen: 0.94980 ppb
RT: 12.12 min Scan# 917
Delta R.T. 0.00 min
Lab File: 0127C09W.D
Acq: 27 Jan 12 15:01

Tgt Ion: 57 Resp: 36860

Ion	Ratio	Lower	Upper
57	100		
41	19.6	20.0	37.1#
56	31.8	24.6	45.8

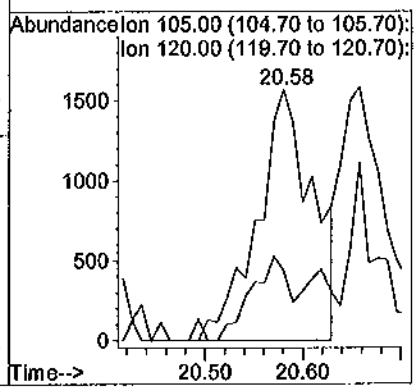


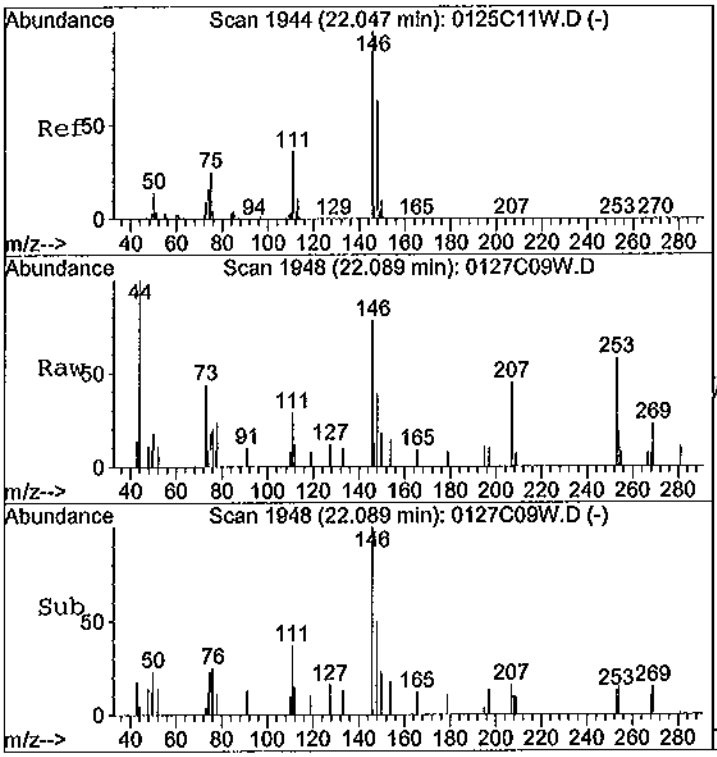


#78
4-Ethyltoluene
Concen: 0.11269 ppb
RT: 20.58 min Scan# 1792
Delta R.T. 0.01 min
Lab File: 0127C09W.D
Acq: 27 Jan 12 15:01

Tgt Ion:105 Resp: 6174

Ion	Ratio	Lower	Upper
105	100		
120	28.0	20.3	37.7

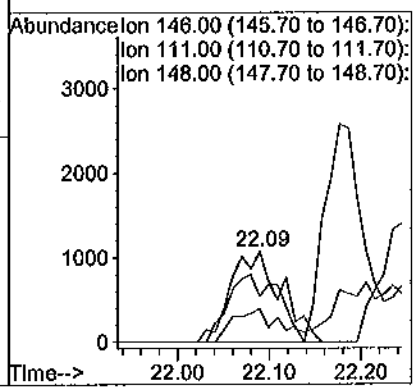


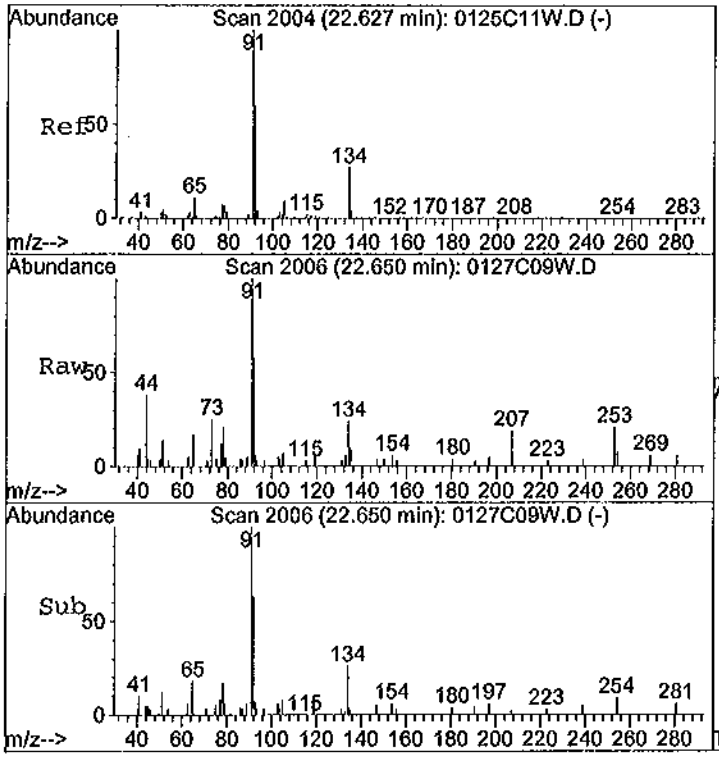


#87
1,3-DCB
Concen: 0.11605 ppb
RT: 22.09 min Scan# 1948
Delta R.T. 0.04 min
Lab File: 0127C09W.D
Acq: 27 Jan 12 15:01

Tgt Ion:146 Resp: 4107

Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.0	46.4
148	50.5	44.0	81.8

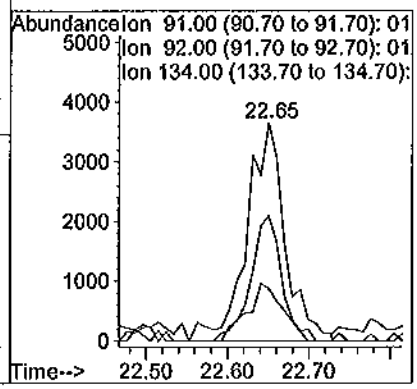


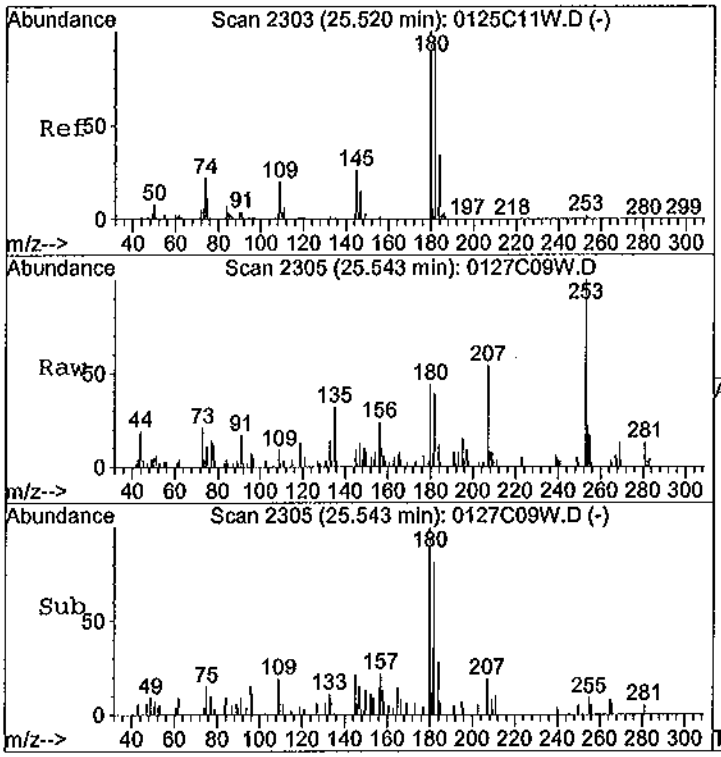


#90
n-Butylbenzene
Concen: 0.18556 ppb
RT: 22.65 min Scan# 2006
Delta R.T. 0.02 min
Lab File: 0127C09W.D
Acq: 27 Jan 12 15:01

Tgt Ion: 91 Resp: 11918

Ion	Ratio	Lower	Upper
91	100		
92	57.6	41.8	77.6
134	24.0	19.2	35.6

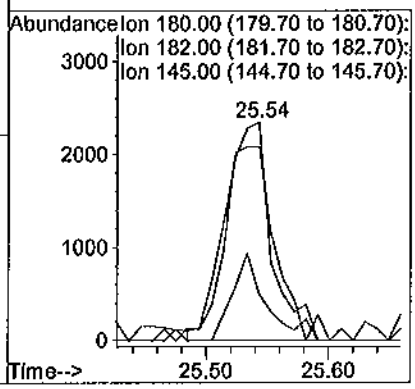


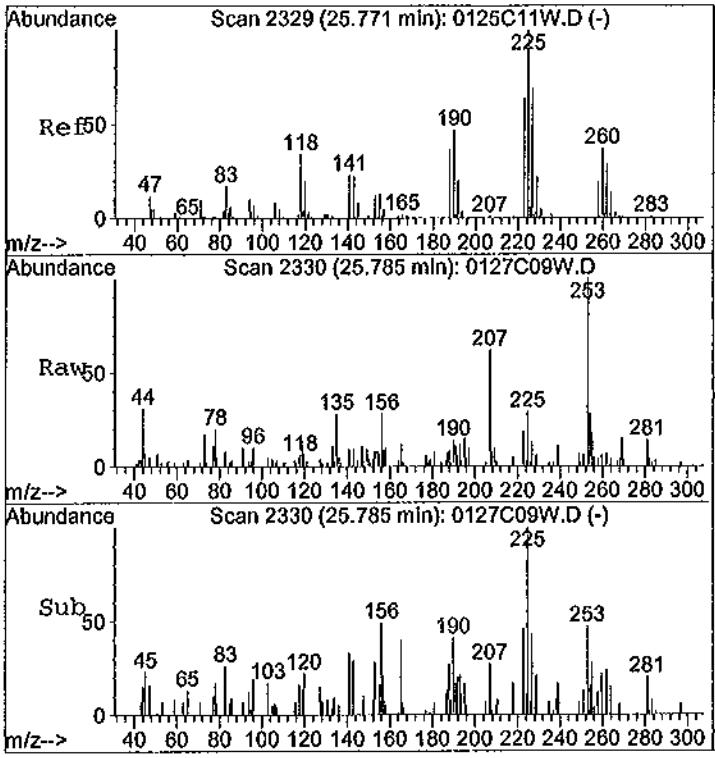


#93
1,2,4-Trichlorobenzene
Concen: 0.27618 ppb
RT: 25.54 min Scan# 2305
Delta R.T. 0.02 min
Lab File: 0127C09W.D
Acq: 27 Jan 12 15:01

Tgt Ion:180 Resp: 2343

Ion	Ratio	Lower	Upper
180	100		
182	88.9	67.7	125.7
145	21.3	18.2	33.8

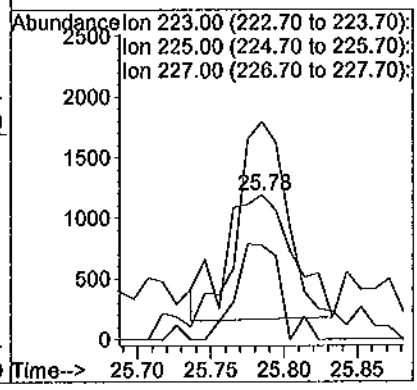




#94
Hexachlorobutadiene
Concen: 0.26455 ppb
RT: 25.78 min Scan# 2330
Delta R.T. 0.01 min
Lab File: 0127C09W.D
Acq: 27 Jan 12 15:01

Tgt Ion:223 Resp: 3303

Ion	Ratio	Lower	Upper
223	100		
225	166.9	109.3	203.1
227	76.7	75.7	140.7



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C09W.D Vial: 1
Acq On : 27 Jan 12 15:01 Operator: RS, ARS
Sample : 120127A BLK-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:54 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1109844	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1312811	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1350220	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	19994327m	15.18199	ppb	100

No gasoline pattern. DPA 2/7/2012

(#) = qualifier out of range (m) = manual integration
0127C09W.D CGAS.M Tue Feb 07 09:57:52 2012 Page 1

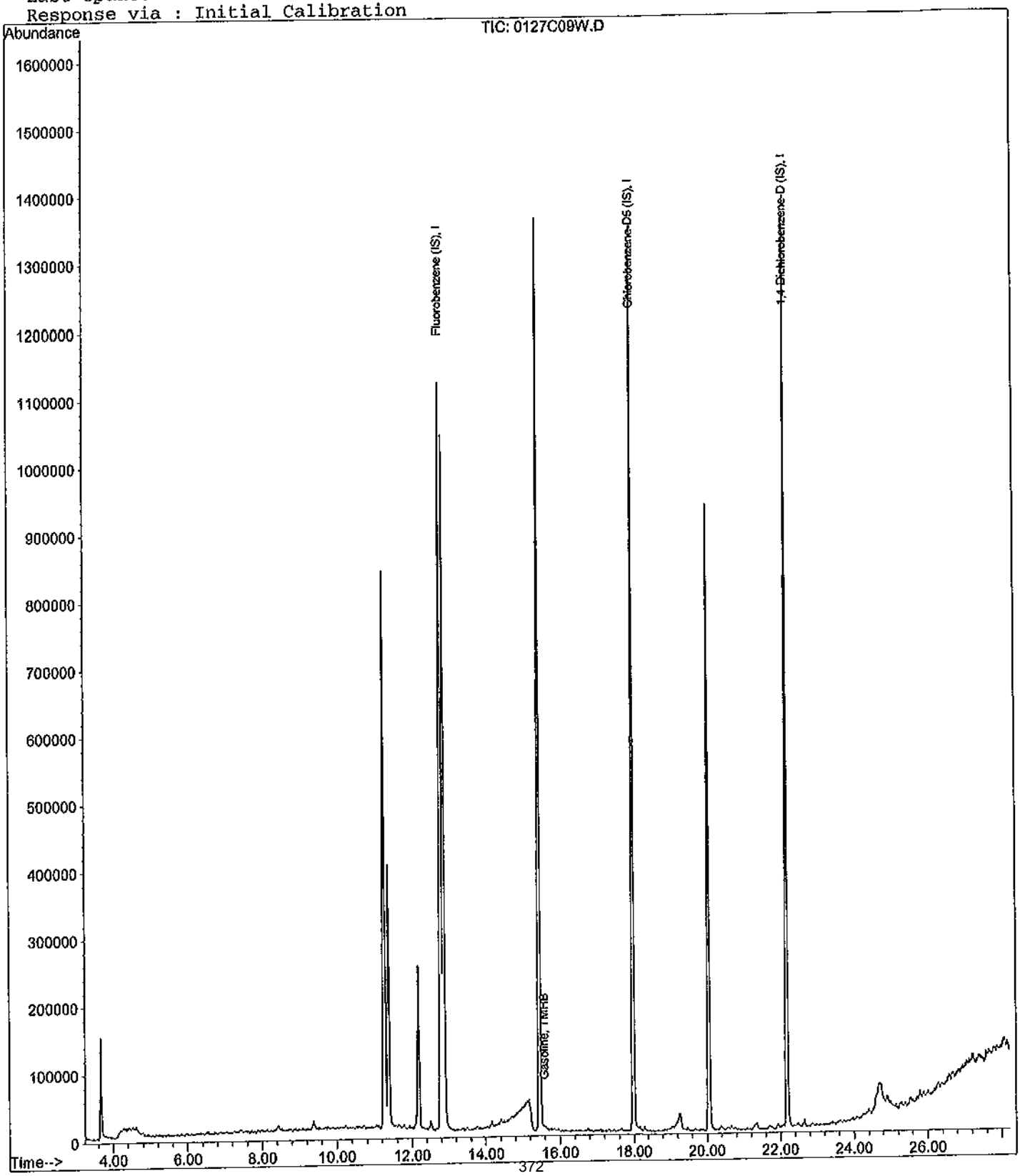
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C09W.D
Acq On : 27 Jan 12 15:01
Sample : 120127A BLK-1WC
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:54 2012 Quant Results File: CGAS.RES

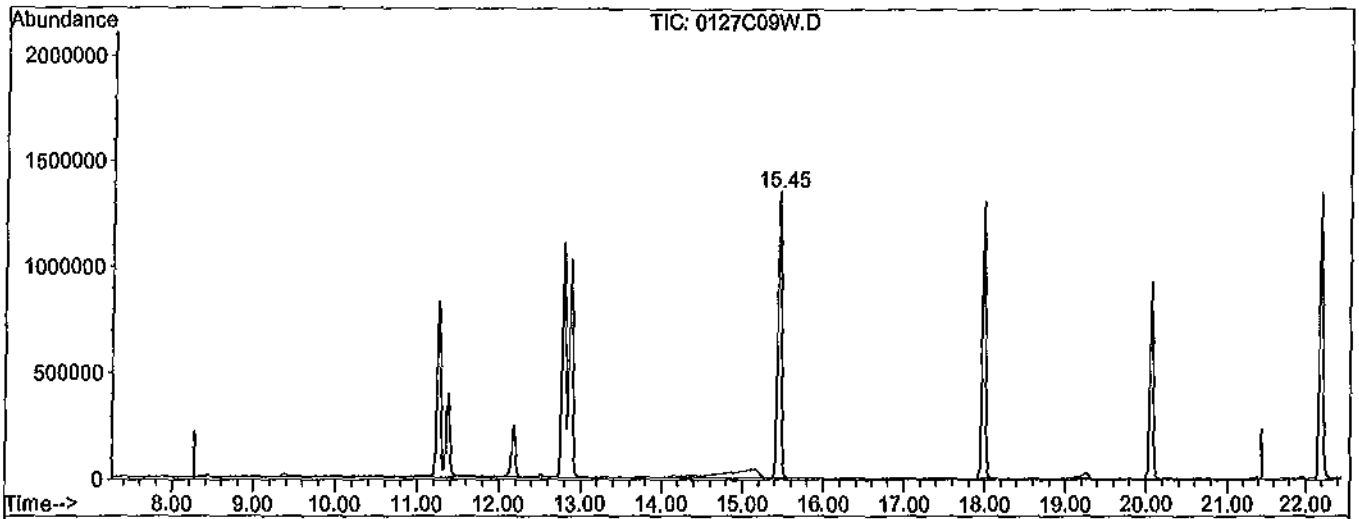
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration

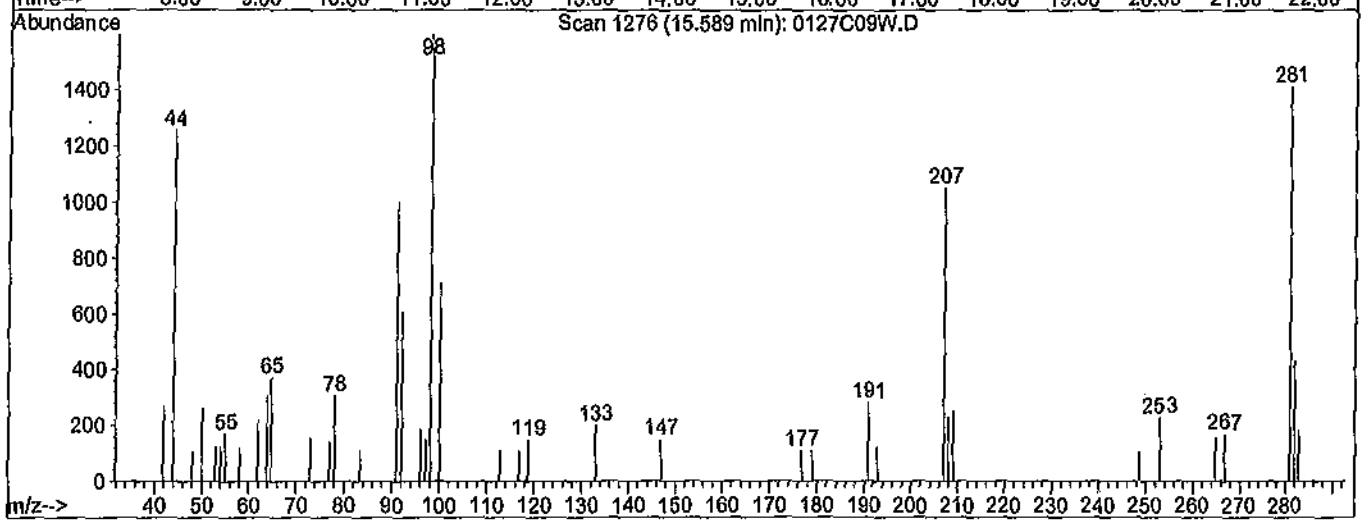


Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C09W.D Vial: 1
Acq On : 27 Jan 12 15:01 Operator: RS, ARS
Sample : 120127A BLK-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 7 9:54 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration





TIC: 0127C09W.D

(2) Gasoline (TMHB)

15.58min 15.1820ppb m

response 19994327

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.68#
0.00	0.00	1.95#
0.00	0.00	0.00

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120131W-53809 - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1,1,1,2-TETRACHLOROETHANE	0.26 U	1.0	0.26	0.13	ug/L	01/31/12	01/31/12
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	01/31/12	01/31/12
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	01/31/12	01/31/12
BLANK	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	01/31/12	01/31/12
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	01/31/12	01/31/12
BLANK	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
BLANK	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	01/31/12	01/31/12
BLANK	1,3-DICHLOROPROPENE, TOTA	0.36 U	1.0	0.36	0.18	ug/L	01/31/12	01/31/12
BLANK	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	01/31/12	01/31/12
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	01/31/12	01/31/12
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	01/31/12	01/31/12
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	01/31/12	01/31/12
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	01/31/12	01/31/12
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	01/31/12	01/31/12
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	01/31/12	01/31/12
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	01/31/12	01/31/12
BLANK	CHLOROMETHANE	0.84 U	1.0	0.84	0.42	ug/L	01/31/12	01/31/12
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	01/31/12	01/31/12
BLANK	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	METHYL TERT-BUTYL ETHER	0.52 U	1.0	0.52	0.26	ug/L	01/31/12	01/31/12

Quant Method: TALLW.M
Run #: 0131T24
Instrument: Thor
Sequence: T120131
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:38:41 AM

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **120131W-53809 - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	01/31/12	01/31/12
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	01/31/12	01/31/12
BLANK	TETRACHLOROETHENE	0.48 U	1.0	0.48	0.24	ug/L	01/31/12	01/31/12
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	01/31/12	01/31/12
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	01/31/12	01/31/12
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	01/31/12	01/31/12
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	01/31/12	01/31/12
BLANK	SURROGATE: 1,2-DICHLOROET	96.9	70-120			%	01/31/12	01/31/12
BLANK	SURROGATE: 4-BROMOFLUOR	99.3	75-120			%	01/31/12	01/31/12
BLANK	SURROGATE: DIBROMOFLUOR	98.9	85-115			%	01/31/12	01/31/12
BLANK	SURROGATE: TOLUENE-D8 (S)	100	85-120			%	01/31/12	01/31/12

Quant Method: TALLW.M
Run #: 0131T24
Instrument: Thor
Sequence: T120131
Initials: SV

GC SC-Blank-REG MDLs
Printed: 02/09/12 11:38:41 AM

Quantitation Report (QT Reviewed)

Data File : M:\THOR\DATA\T120131\0131T24W.D Vial: 24
Acq On : 31 Jan 12 21:00 Operator:
Sample : 120131A BLK-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 8 15:56 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.74	96	683584	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	544384	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	266368	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	317205	32.30867 ppb	-0.01
Spiked Amount 32.661			Recovery = 98.922%		
36) 1,2-DCA-D4(S)	6.34	65	319232	29.92555 ppb	-0.01
Spiked Amount 30.896			Recovery = 96.862%		
56) Toluene-D8(S)	8.44	98	1170437	34.10194 ppb	0.00
Spiked Amount 33.937			Recovery = 100.486%		
64) 4-Bromofluorobenzene(S)	11.06	95	425683	32.91393 ppb	0.00
Spiked Amount 33.154			Recovery = 99.277%		

Target Compounds Qvalue

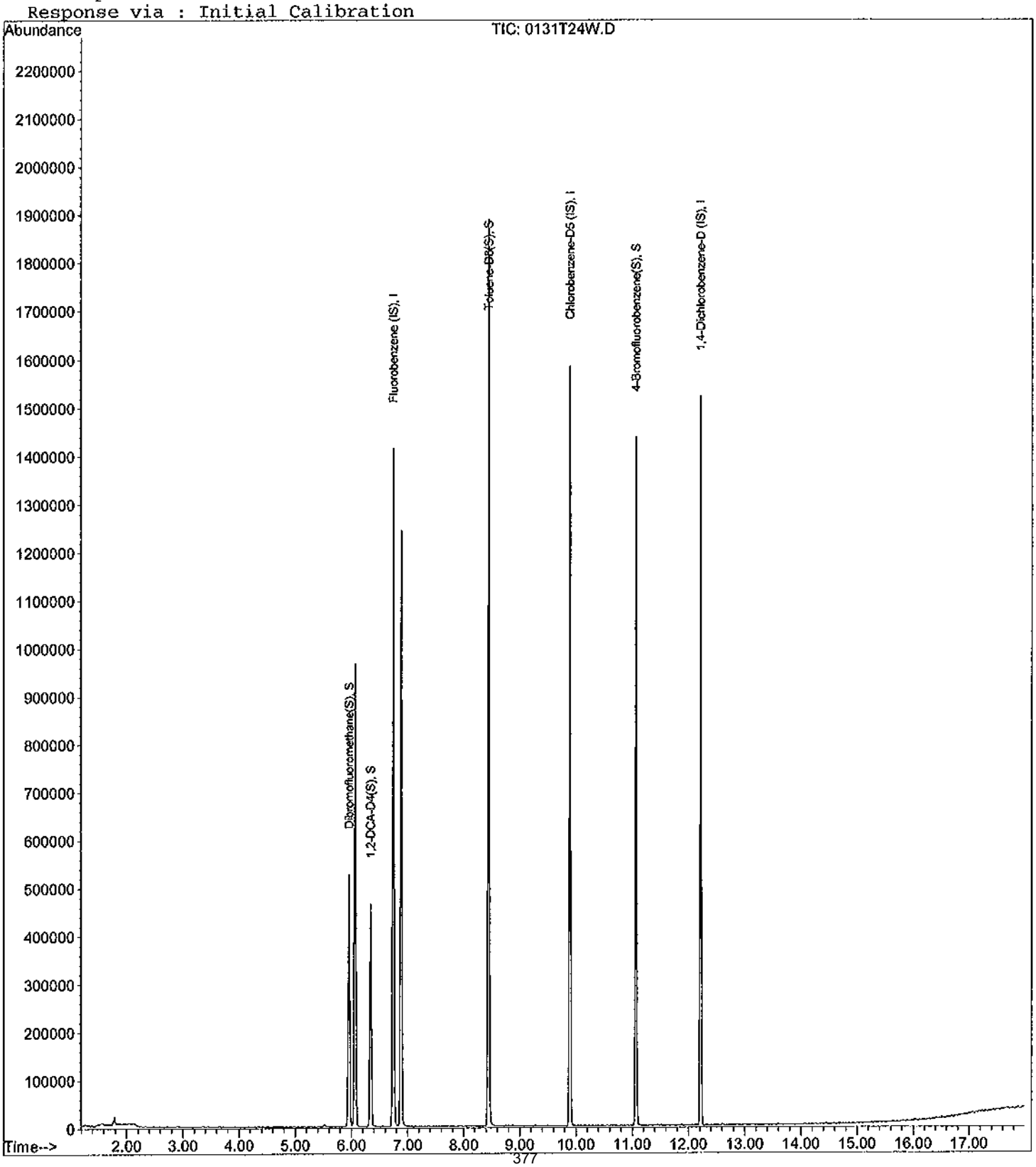
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T24W.D Vial: 24
Acq On : 31 Jan 12 21:00 Operator:
Sample : 120131A BLK-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 8 15:56 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120127W-53807 LCS - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
1,1,1,2-TETRACHLOROETHANE	10.00	11.0	110	80-130
1,1,1-TRICHLOROETHANE	10.00	11.1	111	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	10.9	109	65-130
1,1,2-TRICHLOROETHANE	10.00	11.9	119	75-125
1,1-DICHLOROETHANE	10.00	11.6	116	70-135
1,1-DICHLOROETHENE	10.00	10.5	105	70-130
1,2,3-TRICHLOROPROPANE	10.00	8.84	88.4	75-125
1,2,4-TRICHLOROBENZENE	10.00	11.7	117	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	10.4	104	50-130
1,2-DIBROMOETHANE	10.00	10.3	103	70-130
1,2-DICHLOROBENZENE	10.00	10.6	106	70-120
1,2-DICHLOROETHANE	10.00	10.6	106	70-130
1,2-DICHLOROPROPANE	10.00	11.1	111	75-125
1,3-DICHLOROBENZENE	10.00	11.0	110	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	21.5	108	70-130
1,4-DICHLOROBENZENE	10.00	10.7	107	75-125
2-BUTANONE	10.00	9.46	94.6	30-150
4-METHYL-2-PENTANONE	10.00	9.44	94.4	60-135
ACETONE	10.00	10.7	107	40-140
BENZENE	10.00	11.1	111	80-120
BROMODICHLOROMETHANE	10.00	11.4	114	75-120
BROMOFORM	10.00	9.00	90.0	70-130
BROMOMETHANE	10.00	10.7	107	30-145
CARBON TETRACHLORIDE	10.00	10.4	104	65-140
CHLOROBENZENE	10.00	11.0	110	80-120
CHLORODIBROMOMETHANE	10.00	10.8	108	60-135

Comments: _____

Primary	SPK
Quant Method :	CALLW.M
Extraction Date :	01/27/12
Analysis Date :	01/27/12
Instrument :	Chico
Run :	0127C03
Initials :	SV

Printed: 02/09/12 11:38:45 AM

APPL Standard LCS

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120127W-53807 LCS - 163743**
Batch ID: #86RHB-120127AC

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
CHLOROETHANE	10.00	10.9	109	60-135
CHLOROFORM	10.00	11.5	115	65-135
CHLOROMETHANE	10.00	8.70	87.0	40-125
CIS-1,2-DICHLOROETHENE	10.00	10.6	106	70-125
ETHYLBENZENE	10.00	11.0	110	75-125
GASOLINE	300	337	112	75-125
HEXACHLOROBUTADIENE	10.00	11.1	111	50-140
METHYL TERT-BUTYL ETHER	10.00	9.95	99.5	65-125
METHYLENE CHLORIDE	10.00	11.0	110	55-140
STYRENE	10.00	11.2	112	65-135
TETRACHLOROETHENE	10.00	11.6	116	45-150
TOLUENE	10.00	11.6	116	75-120
TRANS-1,2-DICHLOROETHENE	10.00	11.7	117	60-140
TRICHLOROETHENE	10.00	11.7	117	70-125
VINYL CHLORIDE	10.00	11.7	117	50-145
XYLENES (TOTAL)	30.0	34.2	114	80-120
SURROGATE: 1,2-DICHLOROETHANE-	22.9	23.2	101	70-120
SURROGATE: 4-BROMOFLUOROBENZ	26.8	25.7	96.0	75-120
SURROGATE: DIBROMOFLUOROMETH	24.1	25.2	104	85-115
SURROGATE: TOLUENE-D8 (S)	24.8	25.1	101	85-120

Comments: _____

Primary	SPK
Quant Method :	CALLW.M
Extraction Date :	01/27/12
Analysis Date :	01/27/12
Instrument :	Chico
Run :	0127C03
Initials :	SV

Printed: 02/09/12 11:38:45 AM

APPL Standard LCS

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C03W.D Vial: 1
Acq On : 27 Jan 12 11:18 Operator: RS, ARS
Sample : 120127A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	12.78	96	593908	25.00000 ppb		0.01
54) Chlorobenzene-D5 (IS)	17.98	117	495744	25.00000 ppb		0.01
70) 1,4-Dichlorobenzene-D (IS)	22.17	152	259520	25.00000 ppb		0.01
System Monitoring Compounds						
32) Dibromofluoromethane(S)	11.37	111	398968	25.23506 ppb		0.01
Spiked Amount 24.119			Recovery = 104.626%			
37) 1,2-DCA-D4(S)	12.17	65	264133	23.15566 ppb		0.01
Spiked Amount 22.874			Recovery = 101.232%			
55) Toluene-D8(S)	15.44	98	1569371	25.05070 ppb		0.01
Spiked Amount 24.755			Recovery = 101.195%			
63) 4-Bromofluorobenzene(S)	20.05	95	563187	25.72241 ppb		0.01
Spiked Amount 26.777			Recovery = 96.059%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.06	85	206927	9.88277 ppb		97
3) Freon 114	4.31	85	103140	11.37726 ppb		98
4) Chloromethane	4.52	50	77823	8.69892 ppb		99
5) Vinyl chloride	4.80	62	77896	11.74424 ppb		91
6) Bromomethane	5.69	94	43048	10.67648 ppb		88
7) Chloroethane	5.88	64	50525	10.90472 ppb		100
8) Dichlorofluoromethane	5.97	67	411111	12.12331 ppb		96
9) Trichlorofluoromethane	6.47	103	47280	10.59224 ppb		94
10) Acetonitrile	7.62	41	75817	120.35811 ug/l		100
11) Acrolein	7.11	56	17812	133.28685 ppb		98
12) Acetone	7.25	43	14083	10.66536 ppb	#	86
13) Freon-113	7.41	101	157093	11.45994 ppb		89
14) 1,1-DCE	7.63	96	90654	10.45368 ppb		84
15) t-Butanol	7.72	59	8384	128.65365 ppb	#	93
16) Methyl Acetate	8.15	43	43802	9.59877 ppb		97
17) Iodomethane	8.12	142	226666	11.70477 ppb		100
18) Acrylonitrile	8.52	53	19071	11.34711 ppb		90
19) Methylene chloride	8.43	84	115177	10.99920 ppb		91
20) Carbon disulfide	8.51	76	95216	10.97798 ppb		97
21) Methyl t-butyl ether (MtBE	8.84	73	217158	9.95162 ppb		97
22) Trans-1,2-DCE	9.05	96	116372	11.73985 ppb		99
23) Diisopropyl Ether	9.71	45	514646	11.05569 ppb		98
24) 1,1-DCA	9.73	63	272370	11.61695 ppb		98
25) Vinyl Acetate	9.38	43	27696	11.51451 ppb		98
26) Ethyl tert Butyl Ether	10.39	59	341509	10.78028 ppb		98
27) MEK (2-Butanone)	10.38	43	12060	9.46092 ppb		95
28) Cis-1,2-DCE	10.76	96	166222	10.59299 ppb		96
29) 2,2-Dichloropropane	10.76	77	233364	11.91211 ppb		100
30) Chloroform	11.04	83	288979	11.53354 ppb		98
31) Bromochloromethane	11.26	128	56430	11.84644 ppb		85
33) 1,1,1-TCA	11.79	97	239566	11.07452 ppb		98
34) Cyclohexane	11.94	56	230891	11.20729 ppb		94
35) 1,1-Dichloropropene	12.05	75	163135	10.94562 ppb		97
36) 2,2,4-Trimethylpentane	12.12	57	448745	11.20012 ppb		99
38) Carbon Tetrachloride	12.24	117	159990	10.39756 ppb		94
39) Tert Amyl Methyl Ether	12.30	73	260987	10.44579 ppb		95
40) 1,2-DCA	12.32	62	111671	10.56284 ppb		94
41) Benzene	12.44	78	549488	11.09682 ppb		97
42) TCE	13.48	95	159779	11.68668 ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C03W.D Vial: 1
Acq On : 27 Jan 12 11:18 Operator: RS, ARS
Sample : 120127A LCS-1WC Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Jan 27 14:06 2012 Quant Results File: CALLW.RES

Quant Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43) 2-Pentanone	13.15	43	436494	129.75465	ppb		97
44) 1,2-Dichloropropane	13.71	63	145909	11.12942	ppb	#	96
45) Bromodichloromethane	14.06	83	172853	11.36905	ppb		97
46) Methyl Cyclohexane	13.76	83	220156	11.53752	ppb		100
47) Dibromomethane	14.12	93	59909	11.13149	ppb		89
48) 2-Chloroethyl vinyl ether	14.52	63	38877	9.63187	ppb	#	89
49) 1-Bromo-2-chloroethane	14.82	63	127690	11.36993	ppb		86
50) Cis-1,3-Dichloropropene	14.95	75	191518	10.52664	ppb		94
51) Toluene	15.58	91	677066	11.64919	ppb		98
52) Trans-1,3-Dichloropropene	15.74	75	138172	10.96313	ppb		98
53) 1,1,2-TCA	16.02	83	71071	11.88216	ppb		91
56) 1,2-EDB	17.27	107	76014	10.29867	ppb		98
57) Tetrachloroethene	16.73	164	155497	11.56223	ppb		96
58) 1-Chlorohexane	17.65	91	290855	11.76186	ppb		99
59) 1,1,1,2-Tetrachloroethane	18.10	131	153219	11.02555	ppb		89
60) m&p-Xylene	18.30	106	674004	22.97781	ppb		96
61) o-Xylene	19.04	106	326383	11.20392	ppb		90
62) Styrene	19.06	104	488478	11.22216	ppb		96
64) 2-Hexanone	16.05	43	28607	10.63893	ppb		94
65) 1,3-Dichloropropane	16.44	76	144224	10.62053	ppb		99
66) Dibromochloromethane	16.91	129	106363	10.78241	ppb		97
67) Chlorobenzene	18.04	112	466961	10.96896	ppb		98
68) Ethylbenzene	18.15	91	856272	11.02266	ppb		100
69) Bromoform	19.57	173	52823	9.00017	ppb		89
71) MIBK (methyl isobutyl keto	14.62	43	44915	9.44253	ppb	#	82
72) Isopropylbenzene	19.67	105	889090	11.46103	ppb		98
73) 1,1,2,2-Tetrachloroethane	19.83	83	78084	10.89728	ppb		97
74) 1,2,3-Trichloropropane	20.09	110	7370	8.83575	ppb		100
75) t-1,4-Dichloro-2-Butene	20.16	53	17579	9.90566	ppb	#	73
76) Bromobenzene	20.40	156	198279	10.78428	ppb		97
77) n-Propylbenzene	20.38	91	1071977	11.10819	ppb		98
78) 4-Ethyltoluene	20.58	105	627697	11.19677	ppb		98
79) 2-Chlorotoluene	20.68	91	670568	10.98117	ppb		99
80) 1,3,5-Trimethylbenzene	20.65	105	726307	11.50731	ppb		98
81) 4-Chlorotoluene	20.75	91	581979	10.74791	ppb		94
82) Tert-Butylbenzene	21.29	119	780643	10.80242	ppb		98
83) 1,2,4-Trimethylbenzene	21.35	105	717360	11.43124	ppb		99
84) Sec-Butylbenzene	21.69	105	1023256	11.47728	ppb		99
85) p-Isopropyltoluene	21.92	119	818160	11.42699	ppb		98
86) Benzyl Chloride	22.37	91	149105	10.30196	ppb		99
87) 1,3-DCB	22.07	146	397923	10.98919	ppb		97
88) 1,4-DCB	22.23	146	377598	10.72613	ppb		99
89) Hexachloroethane	23.54	117	167277	10.54410	ppb		98
90) n-Butylbenzene	22.64	91	743128	11.30769	ppb		99
91) 1,2-DCB	22.86	146	321677	10.59693	ppb		97
92) 1,2-Dibromo-3-chloropropan	24.08	155	11432	10.36081	ppb		76
93) 1,2,4-Trichlorobenzene	25.53	180	101656	11.71079	ppb		98
94) Hexachlorobutadiene	25.77	223	116891	11.06348	ppb		96
95) Naphthalene	25.88	128	286286	11.02681	ppb		97
96) 1,2,3-Trichlorobenzene	26.24	180	81708	11.70539	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

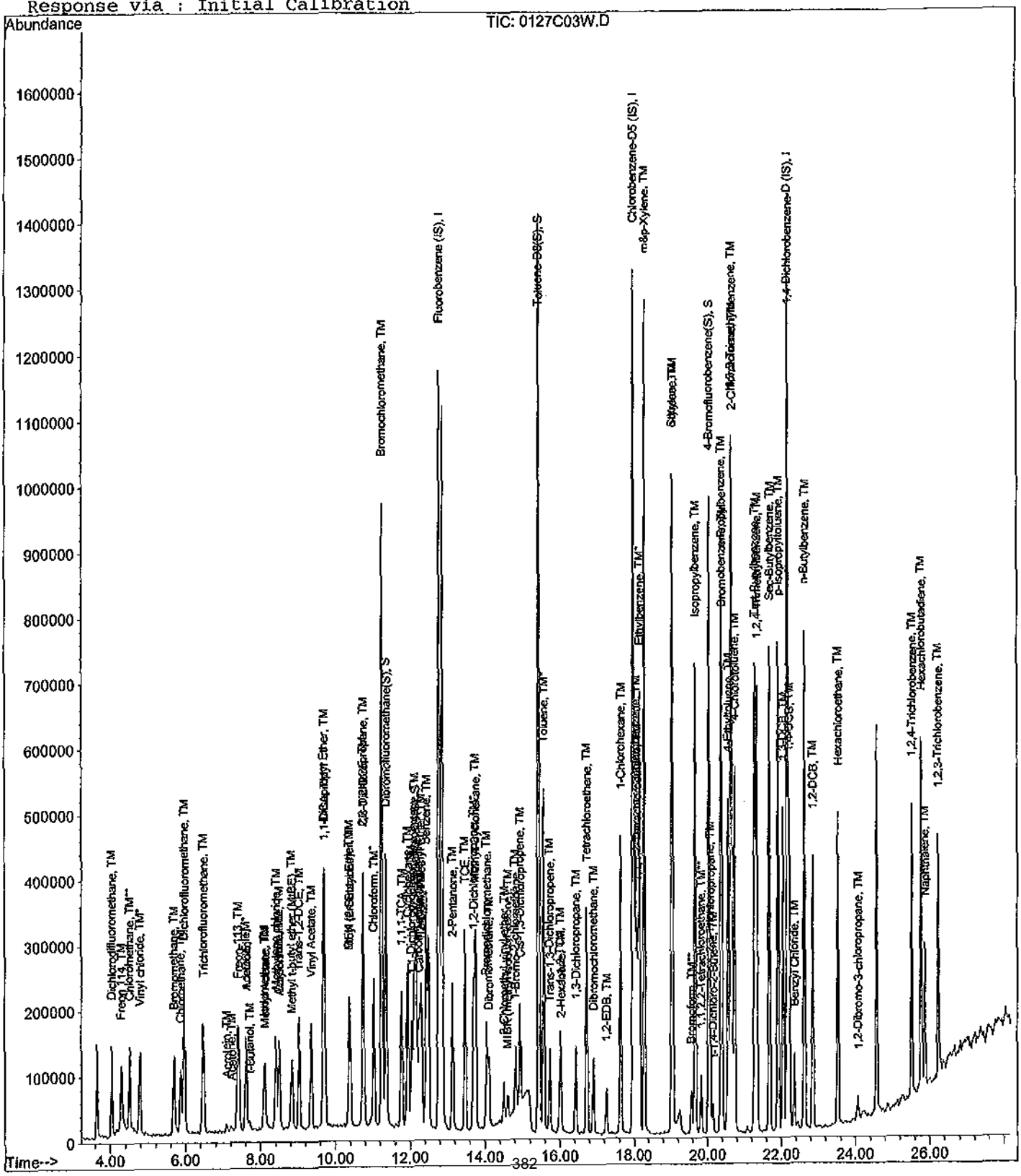
Data File : M:\CHICO\DATA\C120125\0127C03W.D
Acq On : 27 Jan 12 11:18
Sample : 120127A LCS-1WC
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Jan 27 14:06 2012

Quant Results File: CALLW.RES

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260
Last Update : Fri Jan 27 12:42:43 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\CHICO\DATA\C120125\0127C06W.D Vial: 1
Acq On : 27 Jan 12 13:10 Operator: RS, ARS
Sample : LCS gas 300ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00

Quant Time: Feb 7 9:39 2012 Quant Results File: CGAS.RES

Quant Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration
DataAcq Meth : V8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	12.79	TIC	1198132	25.00000	ppb	0.00
3) Chlorobenzene-D5 (IS)	17.98	TIC	1400448	25.00000	ppb	0.00
4) 1,4-Dichlorobenzene-D (IS)	22.18	TIC	1498629	25.00000	ppb	0.00

System Monitoring Compounds

Target Compounds						Qvalue
2) Gasoline	15.58	TIC	55052544m	336.60022	ppb	100

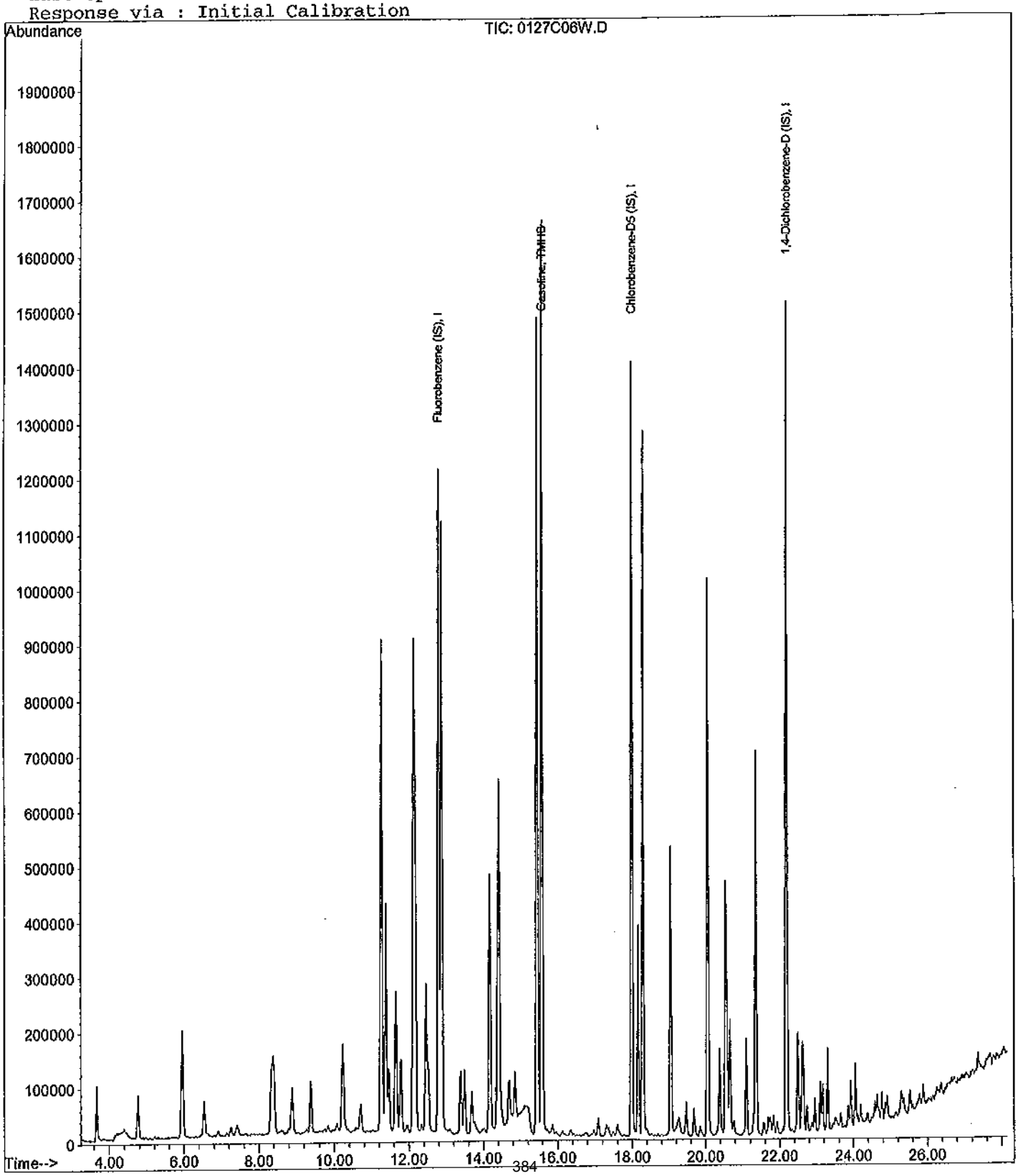
Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C06W.D
Acq On : 27 Jan 12 13:10
Sample : LCS gas 300ug/L
Misc : Water 10mLw/ IS:12-06-11

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Quant Time: Feb 7 9:39 2012 Quant Results File: CGAS.RES

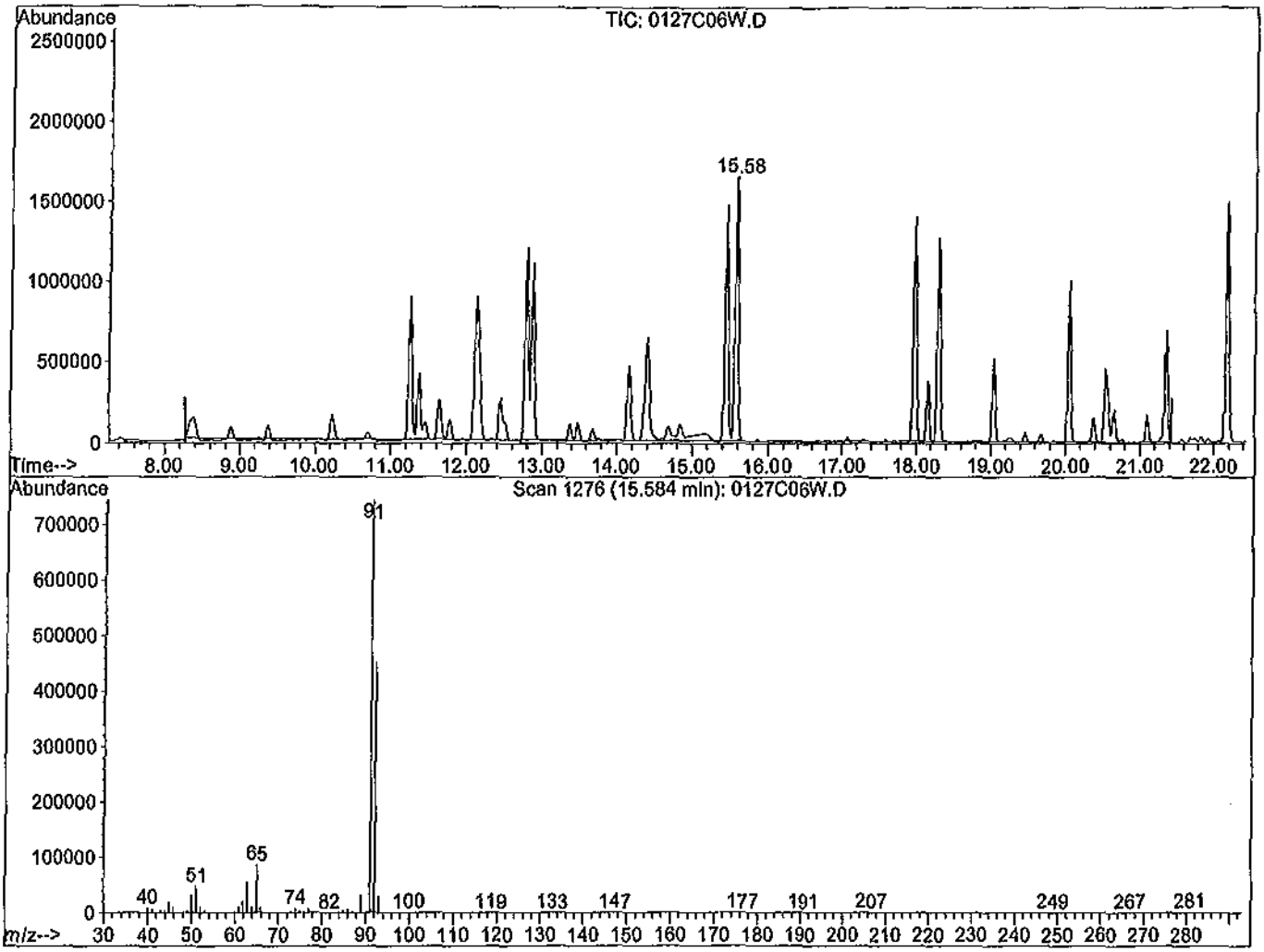
Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Initial Calibration



Quantitation Report

Data File : M:\CHICO\DATA\C120125\0127C06W.D Vial: 1
Acq On : 27 Jan 12 13:10 Operator: RS, ARS
Sample : LCS gas 300ug/L Inst : Chico
Misc : Water 10mLw/ IS:12-06-11 Multiplr: 1.00
Quant Time: Feb 9 12:54 2012 Quant Results File: temp.res

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Feb 07 09:36:43 2012
Response via : Single Level Calibration



TIC: 0127C06W.D

(2) Gasoline (TMHB)

15.58min 336.6002ppb m

response 55052544

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.27#
0.00	0.00	0.78#
0.00	0.00	0.00

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120131W-53809 LCS - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
1,1,1,2-TETRACHLOROETHANE	10.00	10.0	100	80-130
1,1,1-TRICHLOROETHANE	10.00	9.94	99.4	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	10.1	101	65-130
1,1,2-TRICHLOROETHANE	10.00	10.1	101	75-125
1,1-DICHLOROETHANE	10.00	9.88	98.8	70-135
1,1-DICHLOROETHENE	10.00	10.2	102	70-130
1,2,3-TRICHLOROPROPANE	10.00	9.69	96.9	75-125
1,2,4-TRICHLOROBENZENE	10.00	9.71	97.1	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	8.48	84.8	50-130
1,2-DIBROMOETHANE	10.00	9.83	98.3	70-130
1,2-DICHLOROBENZENE	10.00	9.58	95.8	70-120
1,2-DICHLOROETHANE	10.00	9.93	99.3	70-130
1,2-DICHLOROPROPANE	10.00	9.88	98.8	75-125
1,3-DICHLOROBENZENE	10.00	9.62	96.2	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	20.0	100	70-130
1,4-DICHLOROBENZENE	10.00	9.55	95.5	75-125
2-BUTANONE	10.00	11.1	111	30-150
4-METHYL-2-PENTANONE	10.00	10.2	102	60-135
ACETONE	10.00	11.7	117	40-140
BENZENE	10.00	9.84	98.4	80-120
BROMODICHLOROMETHANE	10.00	9.88	98.8	75-120
BROMOFORM	10.00	10.5	105	70-130
BROMOMETHANE	10.00	8.46	84.6	30-145
CARBON TETRACHLORIDE	10.00	10.3	103	65-140
CHLOROBENZENE	10.00	9.84	98.4	80-120
CHLORODIBROMOMETHANE	10.00	9.84	98.4	60-135

Comments: _____

Primary	SPK
Quant Method :	TALLW.M
Extraction Date :	01/31/12
Analysis Date :	01/31/12
Instrument :	Thor
Run :	0131T17
Initials :	SV

Printed: 02/09/12 11:38:45 AM

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **120131W-53809 LCS - 163745**
Batch ID: #86RHB-120131AT

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits
CHLOROETHANE	10.00	10.1	101	60-135
CHLOROFORM	10.00	9.81	98.1	65-135
CHLOROMETHANE	10.00	9.62	96.2	40-125
CIS-1,2-DICHLOROETHENE	10.00	10.2	102	70-125
ETHYLBENZENE	10.00	9.97	99.7	75-125
GASOLINE	300	337	112	75-125
HEXACHLOROBUTADIENE	10.00	9.58	95.8	50-140
METHYL TERT-BUTYL ETHER	10.00	10.0	100	65-125
METHYLENE CHLORIDE	10.00	10.1	101	55-140
STYRENE	10.00	10.1	101	65-135
TETRACHLOROETHENE	10.00	10.0	100	45-150
TOLUENE	10.00	9.99	99.9	75-120
TRANS-1,2-DICHLOROETHENE	10.00	9.84	98.4	60-140
TRICHLOROETHENE	10.00	9.99	99.9	70-125
VINYL CHLORIDE	10.00	9.83	98.3	50-145
XYLENES (TOTAL)	30.0	30.3	101	80-120
SURROGATE: 1,2-DICHLOROETHANE-	30.9	30.6	99.0	70-120
SURROGATE: 4-BROMOFLUOROBENZ	33.2	34.0	103	75-120
SURROGATE: DIBROMOFLUOROMETH	32.7	32.0	98.0	85-115
SURROGATE: TOLUENE-D8 (S)	33.9	33.2	97.8	85-120

Comments:

Primary	SPK
Quant Method :	TALLW.M
Extraction Date :	01/31/12
Analysis Date :	01/31/12
Instrument :	Thor
Run :	0131T17
Initials :	SV

Printed: 02/09/12 11:38:45 AM

APPL Standard LCS

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T17W.D Vial: 17
Acq On : 31 Jan 12 17:46 Operator:
Sample : 120131A LCS-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 10:46 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.75	96	721472	25.00000 ppb	0.00
55) Chlorobenzene-D5 (IS)	9.89	117	577472	25.00000 ppb	0.00
70) 1,4-Dichlorobenzene-D (IS)	12.22	152	323520	25.00000 ppb	0.00
System Monitoring Compounds					
31) Dibromofluoromethane(S)	5.96	111	331202	31.96277 ppb	0.00
Spiked Amount 32.661			Recovery = 97.863%		
36) 1,2-DCA-D4(S)	6.34	65	344866	30.63082 ppb	0.00
Spiked Amount 30.896			Recovery = 99.144%		
56) Toluene-D8(S)	8.44	98	1208016	33.18014 ppb	0.00
Spiked Amount 33.937			Recovery = 97.770%		
64) 4-Bromofluorobenzene(S)	11.06	95	466225	33.98313 ppb	0.00
Spiked Amount 33.154			Recovery = 102.501%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.28	85	89447	11.16976 ppb	99
3) Freon 114	1.40	85	49840	10.94305 ppb	100
4) Chloromethane	1.44	50	102916	9.61880 ppb	97
5) Vinyl chloride	1.55	62	106116	9.83271 ppb	98
6) Bromomethane	1.85	94	61157	8.46462 ppb	99
7) Chloroethane	1.96	64	68671	10.14348 ppb	97
8) Dichlorofluoromethane	2.17	67	174035	10.04930 ppb	100
9) Trichlorofluoromethane	2.23	101	141224	10.39160 ppb	97
10) Acrolein	2.70	55	19380	122.45436 ppb	82
11) Acetone	2.90	43	22126	11.66013 ppb	83
12) Freon-113	2.85	101	68650	10.31550 ppb	97
13) 1,1-DCE	2.81	61	61955	10.15051 ppb	98
14) t-Butanol	3.73	59	25856	128.07499 ppb	95
15) Methyl Acetate	3.36	43	58526	10.20702 ppb	90
16) Iodomethane	2.97	142	87651	8.47425 ppb	94
17) Acrylonitrile	3.82	52	19634	10.20718 ppb	83
18) Methylene chloride	3.45	84	65320	10.12472 ppb	93
19) Carbon disulfide	3.06	76	112630	10.22403 ppb	97
20) Methyl t-butyl ether (MtBE	3.93	73	219378	10.02685 ppb	98
21) Trans-1,2-DCE	3.87	96	47232	9.83680 ppb	96
22) Diisopropyl Ether	4.72	59	33543	10.14875 ppb	93
23) 1,1-DCA	4.51	63	128263	9.87703 ppb	99
24) Vinyl Acetate	4.72	87	81461	10.22826 ppb	94
25) Ethyl tert Butyl Ether	5.23	59	243541	10.10511 ppb	98
26) MEK (2-Butanone)	5.40	43	28640	11.05030 ppb	96
27) Cis-1,2-DCE	5.34	96	86319	10.19799 ppb	100
28) 2,2-Dichloropropane	5.33	77	100111	9.34709 ppb	97
29) Chloroform	5.77	83	152199	9.81369 ppb	100
30) Bromochloromethane	5.63	128	39123	9.79861 ppb	93
32) 1,1,1-TCA	5.97	97	113118	9.94124 ppb	100
33) Cyclohexane	6.04	41	55633	9.56586 ppb	92
34) 1,1-Dichloropropene	6.18	75	75028	10.22845 ppb	99
35) 2,2,4-Trimethylpentane	6.56	57	216542	10.23001 ppb	99
37) Carbon Tetrachloride	6.17	117	87181	10.25598 ppb	97
38) Tert Amyl Methyl Ether	6.61	73	226745	9.95409 ppb	98
39) 1,2-DCA	6.43	62	103571	9.93100 ppb	98
40) Benzene	6.41	78	276076	9.83690 ppb	99
41) TCE	7.16	95	79560	9.98950 ppb	98
42) 2-Pentanone	7.38	43	620548	123.92157 ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\THOR\DATA\T120131\0131T17W.D Vial: 17
Acq On : 31 Jan 12 17:46 Operator:
Sample : 120131A LCS-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

Quant Time: Feb 1 10:46 2012 Quant Results File: TALLW.RES

Quant Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration
DataAcq Meth : 8260_BETA

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	1,2-Dichloropropane	7.39	63	92869	9.88423 ppb	99
44)	Bromodichloromethane	7.69	83	118663	9.87986 ppb	99
45)	Methyl Cyclohexane	7.37	83	112123	10.39645 ppb	99
46)	Dibromomethane	7.51	93	48958	9.67884 ppb	93
48)	MIBK (methyl isobutyl ket	9.20	43	26318	10.23709 ppb	92
49)	1-Bromo-2-chloroethane	8.00	63	66000	9.43354 ppb	94
50)	Cis-1,3-Dichloropropene	8.17	75	125120	10.01105 ppb	98
51)	Toluene	8.51	91	356062	9.98661 ppb	98
52)	Trans-1,3-Dichloropropene	8.74	75	107465	9.96425 ppb	97
53)	1,1,2-TCA	8.92	83	69763	10.10229 ppb	98
54)	2-Hexanone	9.20	43	43835	10.76441 ppb	92
57)	1,2-EDB	9.41	107	74425	9.82584 ppb	98
58)	Tetrachloroethene	9.07	166	89761	10.00617 ppb	99
59)	1-Chlorohexane	9.92	91	118519	9.88469 ppb	99
60)	1,1,1,2-Tetrachloroethane	10.00	131	95340	10.01828 ppb	99
61)	m&p-Xylene	10.16	106	335284	20.10672 ppb	99
62)	o-Xylene	10.55	106	169711	10.15200 ppb	100
63)	Styrene	10.56	104	287132	10.11534 ppb	95
65)	1,3-Dichloropropane	9.08	76	132096	10.15386 ppb	98
66)	Dibromochloromethane	9.31	129	88053	9.83659 ppb	99
67)	Chlorobenzene	9.92	112	265218	9.83615 ppb	99
68)	Ethylbenzene	10.04	91	437842	9.97019 ppb	100
69)	Bromoform	10.73	173	59065	10.52472 ppb	98
71)	Isopropylbenzene	10.93	105	428276	9.69843 ppb	98
72)	1,1,2,2-Tetrachloroethane	11.21	83	95608	10.05934 ppb	95
73)	1,2,3-Trichloropropane	11.24	110	28716	9.68623 ppb	94
74)	t-1,4-Dichloro-2-Butene	11.26	53	19163	8.88840 ppb	94
75)	Bromobenzene	11.21	156	123604	9.24575 ppb	100
76)	n-Propylbenzene	11.33	91	530268	9.76320 ppb	98
77)	4-Ethyltoluene	11.45	105	310148	9.88655 ppb	100
78)	2-Chlorotoluene	11.41	91	356117	9.77214 ppb	96
79)	1,3,5-Trimethylbenzene	11.51	105	380082	9.74058 ppb	95
80)	4-Chlorotoluene	11.52	91	366677	9.88548 ppb	99
81)	Tert-Butylbenzene	11.84	119	342707	9.33244 ppb	100
82)	1,2,4-Trimethylbenzene	11.88	105	383886	9.84287 ppb	98
83)	Sec-Butylbenzene	12.05	105	490146	9.90337 ppb	100
84)	p-Isopropyltoluene	12.20	119	408260	9.72986 ppb	100
85)	Benzyl Chloride	12.37	91	98692	8.59409 ppb	100
86)	1,3-DCB	12.15	146	233870	9.62097 ppb	97
87)	1,4-DCB	12.24	146	234146	9.55390 ppb	99
88)	n-Butylbenzene	12.61	91	352693	9.87557 ppb	98
89)	1,2-DCB	12.61	146	219383	9.58248 ppb	99
90)	Hexachloroethane	12.87	117	63020	9.39246 ppb	97
91)	1,2-Dibromo-3-chloropropan	13.37	157	10475	8.47961 ppb	96
92)	1,2,4-Trichlorobenzene	14.21	180	89120	9.71443 ppb	96
93)	Hexachlorobutadiene	14.40	225	82253	9.57986 ppb	94
94)	Naphthalene	14.45	128	240182	10.31438 ppb	98
95)	1,2,3-Trichlorobenzene	14.69	180	121722	9.86427 ppb	97

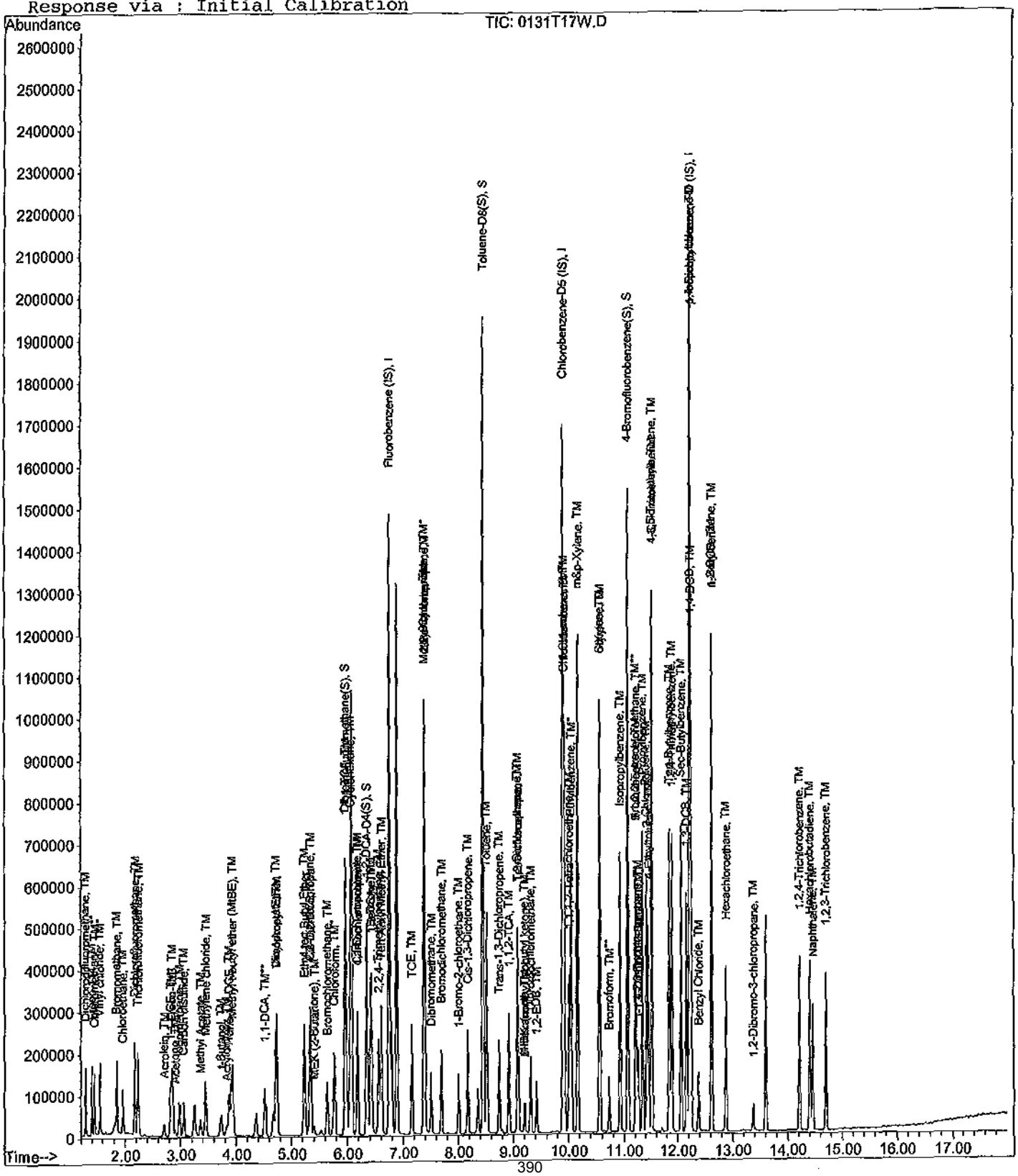
(#) = qualifier out of range (m) = manual integration
0131T17W.D TALLW.M Thu Feb 09 14:21:47 2012

Quantitation Report

Data File : M:\THOR\DATA\T120131\0131T17W.D Vial: 17
Acq On : 31 Jan 12 17:46 Operator:
Sample : 120131A LCS-1WT Inst : Thor
Misc : 10ml w/5ul of IS: 12-25-11 | GF=5 | 150: Multiplr: 1.00

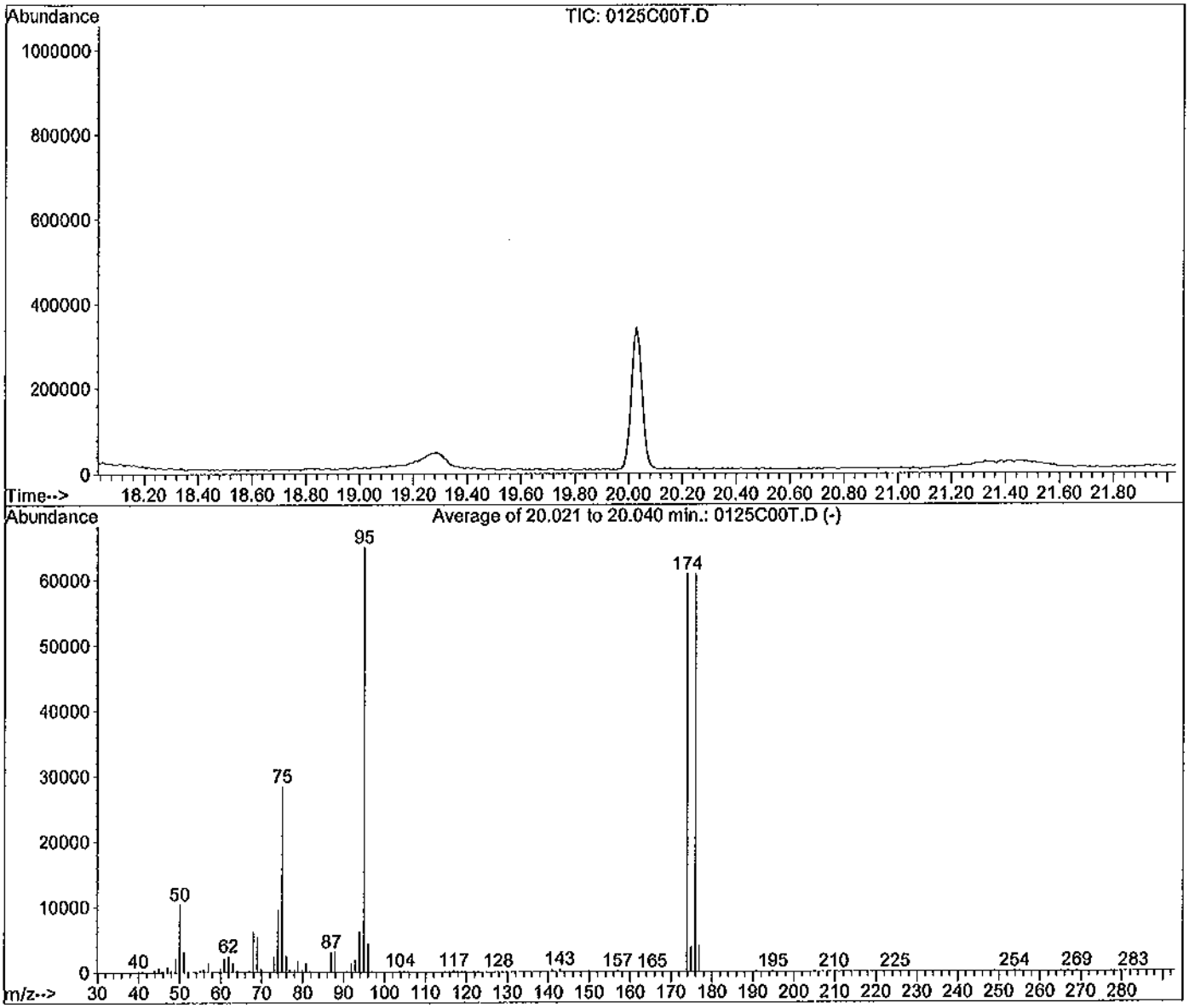
Quant Time: Feb 1 10:46 2012 Quant Results File: TALLW.RES

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 01 08:59:11 2012
Response via : Initial Calibration



Data File : M:\CHICO\DATA\C120125\0125C00T.D Vial: 1
Acq On : 25 Jan 12 12:41 Operator: RS, ARS
Sample : 25ug/mL BFB Std. 01-12-12 Inst : Chico
Misc : Water 2uL Multiplr: 1.00

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260

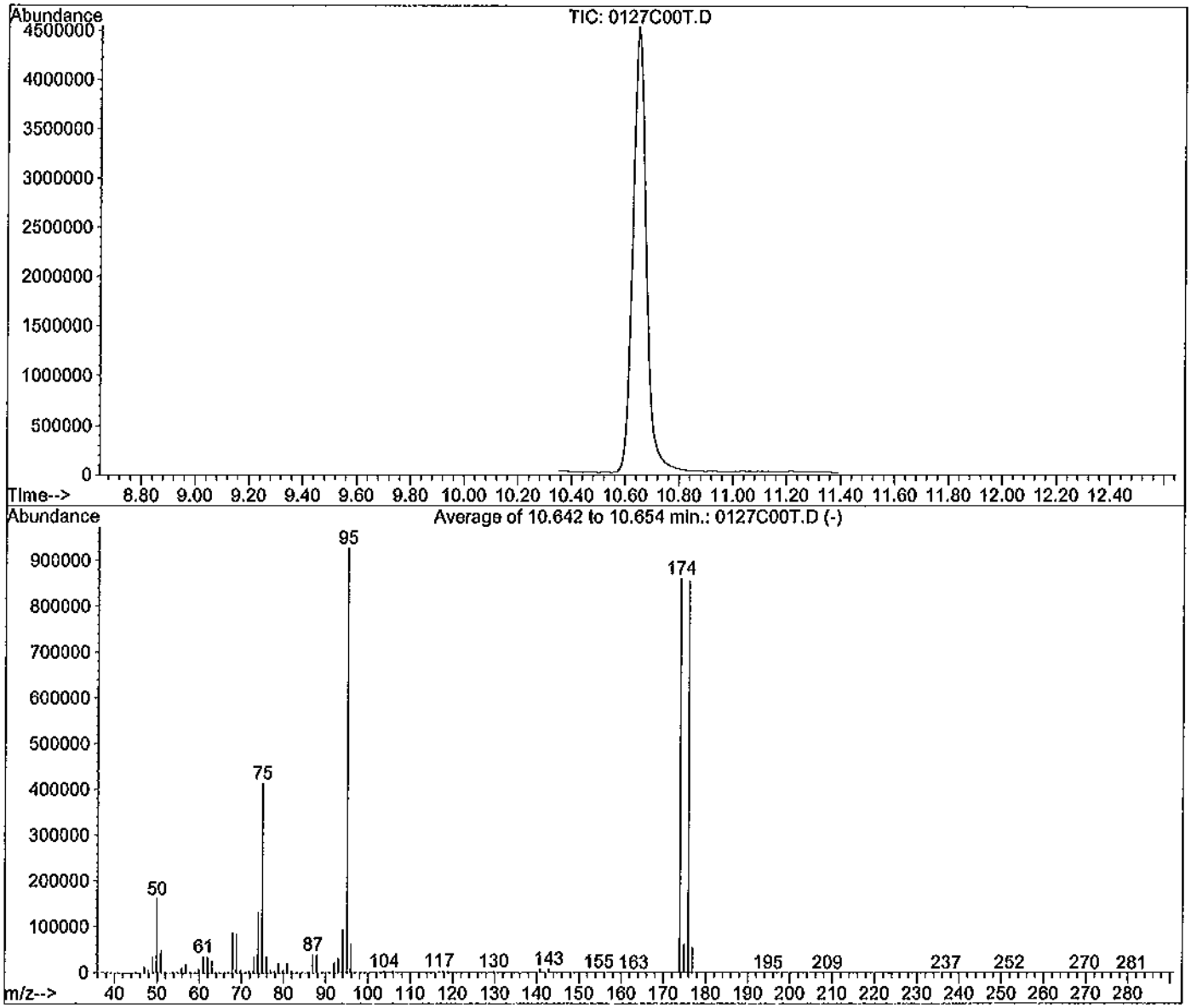


Spectrum Information: Average of 20.021 to 20.040 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	10386	PASS
75	95	30	60	43.7	28400	PASS
95	95	100	100	100.0	64952	PASS
96	95	5	9	6.8	4425	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.6	60811	PASS
175	174	5	9	6.3	3812	PASS
176	174	95	101	100.0	60792	PASS
177	176	5	9	6.7	4066	PASS

Data File : M:\CHICO\DATA\C120125\0127C00T.D Vial: 1
Acq On : 27 Jan 12 9:32 Operator: RS, ARS
Sample : 25ug/mL BFB Std. 01-12-12 Inst : Chico
Misc : 2uL Multiplr: 1.00

Method : M:\CHICO\DATA\C120125\CALLW.M (RTE Integrator)
Title : METHOD 8260

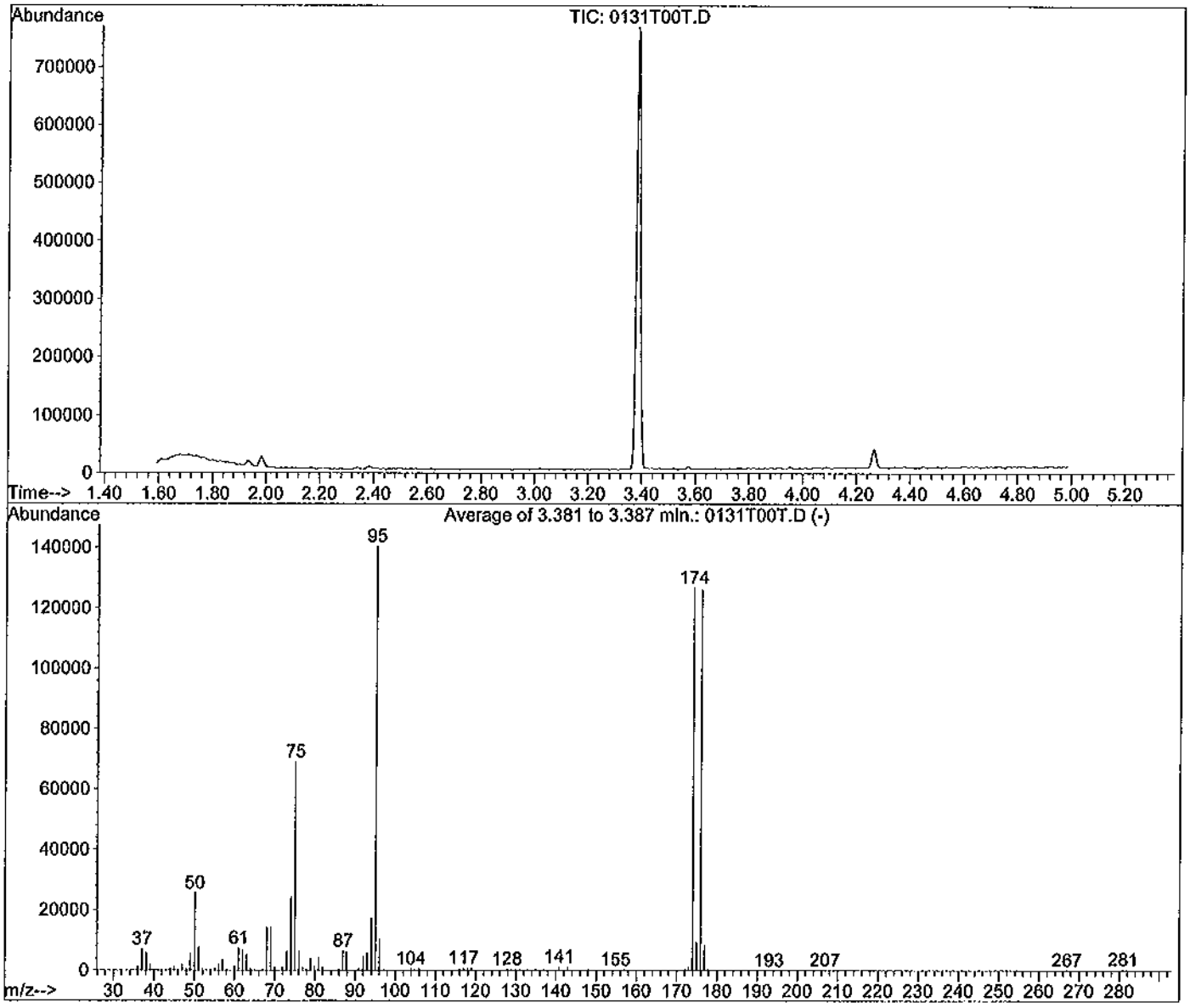


Spectrum Information: Average of 10.642 to 10.654 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	161262	PASS
75	95	30	60	44.7	414003	PASS
95	95	100	100	100.0	927189	PASS
96	95	5	9	6.7	61922	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.9	861461	PASS
175	174	5	9	7.3	62735	PASS
176	174	95	101	99.4	856043	PASS
177	176	5	9	6.5	55251	PASS

Data File : M:\THOR\DATA\T120131\0131T00T.D Vial: 1
Acq On : 31 Jan 12 10:01 Operator:
Sample : 5ng- BFB STD 1-12-12 Inst : Thor
Misc : 2ul Multiplr: 1.00

Method : M:\THOR\DATA\T120131\TALLW.M (RTE Integrator)
Title : METHOD 8260B



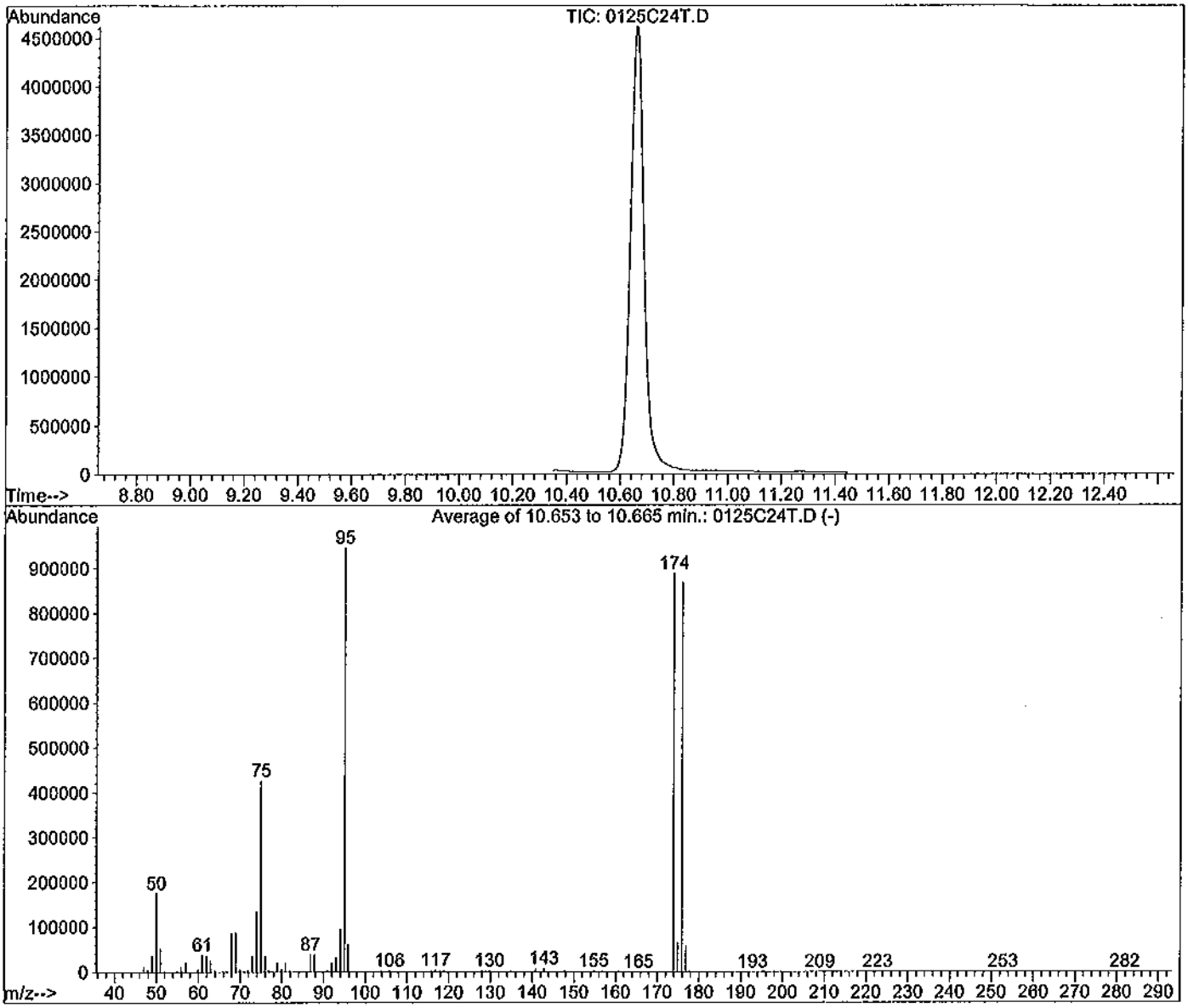
Spectrum Information: Average of 3.381 to 3.387 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	25667	PASS
75	95	30	60	49.2	69075	PASS
95	95	100	100	100.0	140403	PASS
96	95	5	9	7.4	10383	PASS
173	174	0.00	2	1.0	1262	PASS
174	95	50	100	90.4	126869	PASS
175	174	5	9	7.4	9421	PASS
176	174	95	101	99.5	126219	PASS
177	176	5	9	6.5	8238	PASS

Data File : M:\CHICO\DATA\C120125\0125C24T.D
Acq On : 26 Jan 12 16:30
Sample : 25ug/mL BFB Std. 01-12-12
Misc : Water 2uL

Vial: 1
Operator: RS, ARS
Inst : Chico
Multiplr: 1.00

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B

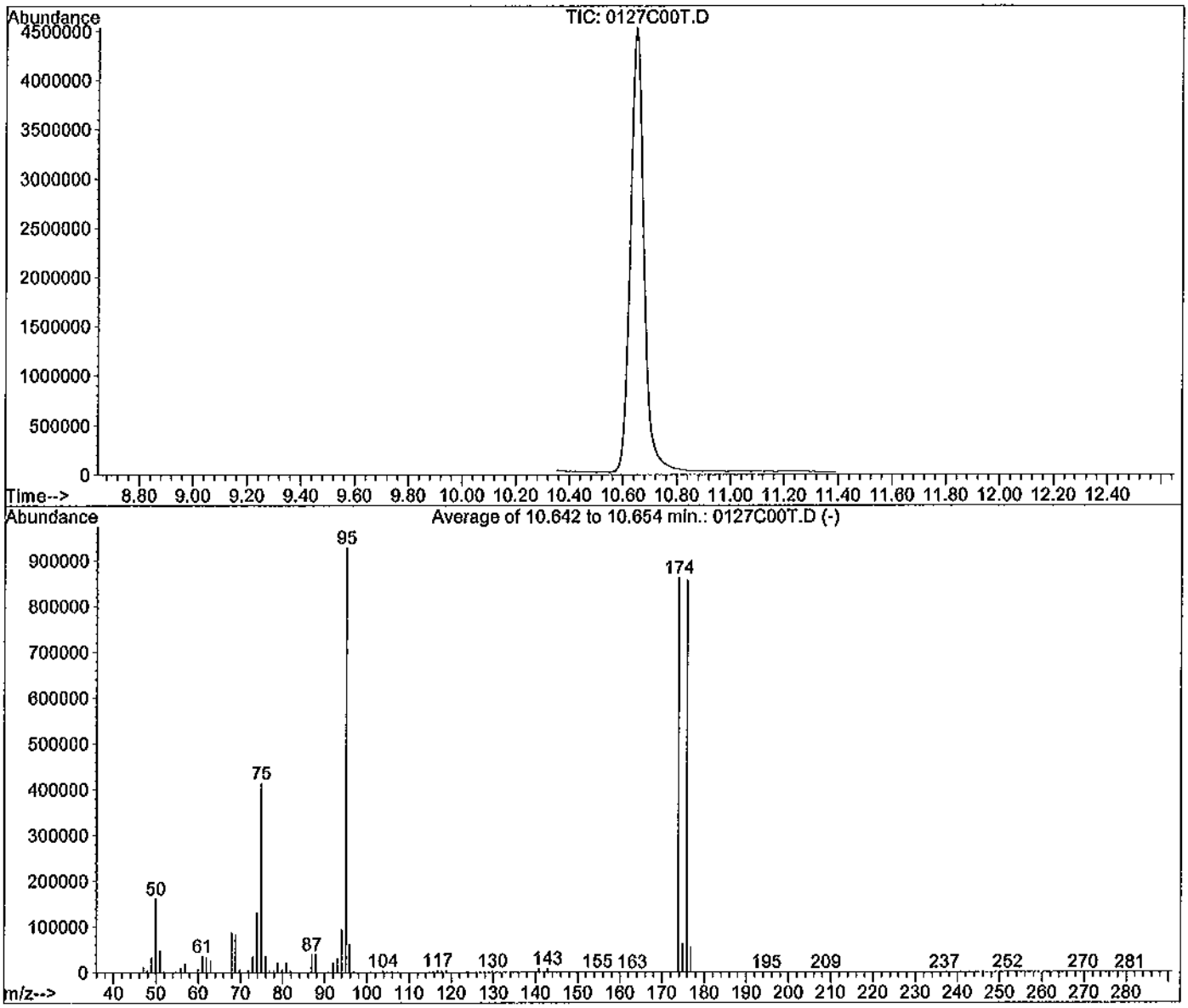


Spectrum Information: Average of 10.653 to 10.665 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	175569	PASS
75	95	30	60	45.1	426726	PASS
95	95	100	100	100.0	947029	PASS
96	95	5	9	6.5	61164	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	93.9	889685	PASS
175	174	5	9	7.3	64552	PASS
176	174	95	101	97.7	869568	PASS
177	176	5	9	6.5	56475	PASS

Data File : M:\CHICO\DATA\C120125\0127C00T.D Vial: 1
Acq On : 27 Jan 12 9:32 Operator: RS, ARS
Sample : 25ug/mL BFB Std. 01-12-12 Inst : Chico
Misc : 2uL Multiplr: 1.00

Method : M:\CHICO\DATA\C120125\CGAS.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Average of 10.642 to 10.654 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	161262	PASS
75	95	30	60	44.7	414003	PASS
95	95	100	100	100.0	927189	PASS
96	95	5	9	6.7	61922	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.9	861461	PASS
175	174	5	9	7.3	62735	PASS
176	174	95	101	99.4	856043	PASS
177	176	5	9	6.5	55251	PASS

GC/MS STANDARD PREPARATION BOOK # _____ PAGE # _____

A

01/25/12

Method 8260 Gases (Second Source), 2,000 mg/L, 2 X 0.6 ml
120316-03-SS

Lot #	Storage	Expiry
178557	≤ -10 Degrees C	9/13/14

Solv: P/T Methanol

Method 8260 Gases (SS)
Lot #: 178557 - 29518
Rec: 9/20/11 MFR exp. 09/13/14

01/25/

B

01/25/12

2-Chloroethyl Vinyl Ether Solution (Second Source), 2,000 mg/L, 2 X 0.6 ml
010145-02-02-SS

Lot #	Storage	Expiry
161404	≤ -10 Degrees C	11/10/13

Solv: P/T Methanol

2-Chloroethyl vinyl ether
Lot #: 161404 - 30008
Rec: 11/16/11 MFR exp. 11/10/13

01/25/

C

01/25/12

8260 VOC Liquids Solution (Second Source), 2,000 mg/L, 1 ml
120023-03-SS

Lot #	Storage	Expiry
167814	≤ -10 Degrees C	1/10/13

Solv: P/T Methanol

8260 VOC Liquids (SS)
Lot #: 167814 - 28709
Rec: 4/20/11 MFR exp. 01/10/13

01/25/

D

01/25/12

Vinyl Acetate Solution (Second Source), 2,000 mg/L, 1ml
010372-02-SS

Lot #	Storage	Expiry
183906	≤ -10 Degrees C	4/5/12

Solv: P/T Methanol

Vinyl Acetate (SS)
Lot #: 183906 - 30195
Rec: 1/10/12 MFR exp. 04/05/12

01/2

E

01/25/12

Custom 8260 Solution, Second Source, 2,000 mg/L, 1 ml
120295-01-SS

Lot #	Storage	Expiry
166038	≤ -10 Degrees C	5/18/12

Solv: P/T Methanol

Custom 8260 Solution, 2000mg/L (SS)
Lot #: 166038 - 27766
Rec: 11/19/10 MFR exp. 05/18/12

01/25

01/25/12 F

n-Hexane Solution (Second Source), 1,000 mg/L, 1 ml

020424-02-SS

Lot #	Storage	Expiry
179199		9/21/13

Solvt P/T Methanol

n-Hexane (SS) 1000mg/L

Lot #: 179199 - 29512

Rec: 10/5/11 MFR exp. 09/21/13

01/25/12 G

Hexachloroethane (Second Source) Solution, 1000 mg/L, 1 ml

020449-02-SS

Lot #	Storage	Expiry
183795	≤ -10 Degrees C	1/3/14

Solvt P/T Methanol

Hexachloroethane (SS)

Lot #: 183795 - 30199

Rec: 1/10/12 MFR exp. 01/03/14

01/25/12 H

Acrolein Solution (Second Source), 10,000 mg/L, 2 x 0.5 ml

020119-09-02-SS

Lot #	Storage	Expiry
182703	≤ 6 Degrees C	1/21/12

Solvt Water, HPLC Grade

Lot #: 182703 - 30108

Rec: 12/15/11 MFR exp. 01/21/12

01/25/12 I

VOC Mix 4-3 (second source), 2,000 mg/L, 1 ml

120166-01-SS

Lot #	Storage	Expiry
183778	</= 6 Degrees	9/9/12

Solv: P/T Methanol

VOC Mix 4-3 (SS)

Lot #: 183778 - 29835

Rec: 10/24/11 MFR exp. 09/09/12

01/25/12 J

Heptane Solution (Second Source), 1000 mg/L, 1 ml

o2si Cat. No: 020546-02-SS Exp: 1/19/2012

Lot No: 142276 Storage: </= -10 Degrees C

Solvent: P/T Methanol

Heptane Solution (SS)

Lot #: 142276 - 28578

Rec: 5/11/10 MFR exp. 01/19/12

ion For Research Use Only

poned: _____

GC/MS STANDARD PREPARATION BOOK # _____ PAGE # _____

1/25/12
1/26/12
K-
RS

2-Chloroethyl Vinyl Ether Solution, 2,000 mg/L, 2 X 0.6 ml

n2si Cat. No: 020145-02-02
Lot No: 160092
2-Chloroethyl vinyl ether
Lot #: 160092 - 26641
Rec: 6/4/10 MFR exp. 05/27/12

Exp: 5/27/2012
Storage: <= -10 Degrees C
Solvent: P/T Methanol
on For Research Use Only
ened: _____

RS 1/25

1/25/12
1/26/12
L-
RS

n-Hexane Solution, 1,000 mg/L, 1 ml
020620-02
Lot # 163378 Storage ≤-10 Degrees C Expiry 8/29/14
Solv: P/T Methanol
R&D only, not human consump. Made in the USA

n-Hexane Solution
Lot #: 163378 - 29232
Rec: 8/5/11 MFR exp. 08/28/15

RS 1/25

1/25/12
1/26/12
M-
RS.

Method 8260 Gases, 2,000 mg/L, 2 X 0.6 ml
120018-83
Lot # 167931 Storage ≤-10 Degrees C Expiry 1/17/14
Solv: P/T Methanol
R&D only, not human consump. Made in the USA

Method 8260 Gases
Lot #: 167931 - 28266
Rec: 2/17/11 MFR exp. 01/17/14

RS 1/25

1/25/12
1/26/12
N-
RS

Heptane Solution, 1000 mg/L, 1 ml
020546-82
Lot # 169174 Storage ≤-10 Degrees C Expiry 2/18/14
Solv: P/T Methanol
R&D only, not human consump. Made in the USA

Heptane Solution
Lot #: 169174 - 28326
Rec: 2/17/11 MFR exp. 02/18/14

RS 1/25

1/25/12
1/26/12
O-
RS

8260B Surrogate Solution, 2,000 mg/L, 5 x 1 ml
120002-01-SPAK
Lot # 178653 Storage ≤-10 Degrees C Expiry 9/11/13
Solv: P/T Methanol
R&D only, not human consump. Made in the USA

8260B Surrogate Solution
Lot #: 178653 - 29570
Rec: 9/22/11 MFR exp. 09/11/13

RS. 1/25

1/25/12
1/26/12
RS.

P-

VOC Mix 4-3, 2,000 mg/L, 1 ml
120166-01
Lot # 178651 Storage ≤ 6 Degrees C Expiry 9/11/13
VOC Mix 4-3, 2000mg/L
Lot #: 178651 - 29911
Rec: 10/24/11 MFR exp. 09/11/13

RS. 1/25

01-25-12Q							
50ug/ml Vol Work Std #7							
Exp:02/01/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	120016-03	Gas Mix	2000	167931-28286	01-25-12M	01/30/12	100
O2SI	020049-02	HEXACHLOROETHANE	1000	164816-29154	01-18-12A	02/07/12	200
O2SI	020228-02	Benzyl Chloride	1000	176701-29775	01-18-12B	02/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3500
01-25-12R							
50ug/ml Vol Work Std #1							
Exp:02/01/12							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	020145-02-02	2-CEVE	2000	160092-26641	01-25-12K	02/07/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	1950
01-25-12S							
50ug/ml Vol Work Std #8							
Exp:02/01/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	122039-02	Volatile Mix, 20-29	2000	176771-29197	01-16-12C	02/01/12	100
O2SI	120023-03	VOC'S-54 COMP	2000	164454-27875	01-09-12D	02/14/12	100
O2SI	020232-02	Vinyl Acetate	2000	182701-30110	01-18-12C	03/11/12	100
O2SI	020620-02	n-Hexane	1000	163378-29232	01-25-12L	02/07/12	200
O2SI	020546-02	Heptane	1000	169174-28326	01-25-12N	02/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3300
01-25-12T							
50ug/ml Vol Work Std #2							
Exp:02/01/12							
Supplier	ID #	ID	ug/ml				
O2SI	121020-05	HSL'S-Ketone Solution	2000	169173-29212	01-16-12E	02/07/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3900
		01-25-12U	Exp:	02/01/12			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		01-25-12Q	02/01/12	200	
		50ug/ml Vol Work Std #8		01-25-12S	02/01/12	200	
		J&T Brand		01/23/12	06/08/12	1600	
		01-25-12V	Exp:	02/01/12			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		01-25-12R	02/01/12	200	
		J&T Brand		01/23/12	06/08/12	1800	
		01-25-12W	Exp:	02/01/12			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		01-25-12T	02/01/12	200	
		J&T Brand		01/23/12	06/08/12	1800	
01-25-12X							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:02/01/12			ug/ml	Lot #	Code	Date	uL
O2SI	120002-01	8260B Surr Solution	2000	179059-29570	01-25-12O	02/07/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3900
01-25-12Y			Exp:	02/01/12			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		01-25-12X	02/01/12	200	
J&T Brand		Purge & Trap MeOH		01/23/12	06/08/12	1800	

1/25/12
RS.

RS.

01-25-12Z							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
Exp:02/01/12			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
02SI	120166-01	Volatile Mix 4-3	2000	178651-29811	01-25-12P	02/07/12	500
02SI	020229-09	Acrolein	10000	182702-30106	01-18-12E	01/21/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3400

1/25/12 RS.

01-25-12AA							
50ug/ml VOC Std#5							
Exp:02/01/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03-SS	8260 Gases(SS)	2000	178557-29518	01-25-12A	02/01/12	50
02SI	020145-02-02-	2-CEVE	2000	181404-30008	01-25-12B	06/14/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	1900
01-25-12AB							
50ug/ml VOC Std#6							
Exp:02/01/12							
	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120023-03-SS	VOC'S 54 COMP.	2000	167814-28709	01-25-12C	06/14/12	50
02SI	120296-01	Custom 8260 Solution	2000	166038-27766	01-25-12E	05/18/12	50
02SI	020232-02-SS	Vinyl Acetate(SS)	2000	183906-30195	01-25-12D	04/05/12	50
02SI	020620-02-SS	n-HEXANE	1000	179199-29612	01-25-12F	06/14/12	100
02SI	020049-02-SS	HEXACHLOROETHANE	1000	183795-30199	01-25-12G	06/29/12	100
02SI	020546-02-SS	Heptane(SS)	1000	142276-26578	01-25-12J	01/19/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	1550
01-25-12AC							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
Exp:02/01/12			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
02SI	120166-01-SS	VOC Mix 4-3 (SS)	2000	163778-29835	01-25-12I	06/14/12	250
02SI	020229-09-SS	Acrolein SOLUTION (SS)	10000	182703-30108	01-25-12H	01/21/11	50
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	1700

1/25/12 RS.

01-25-12AD							
50ug/ml Vol Work Std #7							
Exp:02/01/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03	Gas Mix	2000	167931-28286	01-25-12M	01/30/12	100
02SI	020049-02	HEXACHLOROETHANE	1000	164816-29154	01-18-12A	02/07/12	200
02SI	020228-02	Benzyl Chloride	1000	176701-29775	01-18-12B	02/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3500
01-25-12AE							
50ug/ml Vol Work Std #1							
Exp:02/01/12							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	020145-02-02	2-CEVE	2000	160092-26641	01-25-12K	02/07/12	50
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	1950
01-25-12AF							
50ug/ml Vol Work Std #8							
Exp:02/01/12							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	122039-02	Volatile Mix, 20-29	2000	176771-29197	01-16-12C	02/01/12	100
02SI	120023-03	VOC'S-54 COMP	2000	164454-27875	01-09-12D	02/14/12	100
02SI	020232-02	Vinyl Acetate	2000	182701-30110	01-18-12C	03/11/12	100
02SI	020620-02	n-Hexane	1000	163378-29232	01-25-12L	02/07/12	200
02SI	020546-02	Heptane	1000	169174-28326	01-25-12N	02/07/12	200
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3300
01-25-12AG							
50ug/ml Vol Work Std #2							
Exp:02/01/12							
Supplier	ID #	ID	ug/ml				
02SI	121020-05	HSL'S-Ketone Solution	2000	169173-29212	01-16-12E	02/07/12	100
J&T Brand		Purge & Trap MeOH		K07E34-00570	01/23/12	06/08/12	3900

1/25/12 RS.

		01-25-12AH	Exp:	02/01/12			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		01-25-12AD	02/01/12	200	
		50ug/ml Vol Work Std #8		01-25-12AF	02/01/12	200	
		J&T Brand		01/23/12	06/08/12	1600	
		01-25-12AI	Exp:	02/01/12			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		01-25-12AE	02/01/12	200	
		J&T Brand		01/23/12	06/08/12	1800	
		01-25-12AJ	Exp:	02/01/12			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		01-25-12AG	02/01/12	200	
		J&T Brand		01/23/12	06/08/12	1800	
01-25-12AK							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:02/01/12			ug/ml	Lot #	Code	Date	uL
O2SI	120002-01	8260B Surr Solution	2000	179059-29570	01-25-12O	02/07/12	100
J&T Brand		Purge & Trap MeOH		K07B34-00570	01/23/12	06/08/12	3900
01-25-12AL			Exp:	02/01/12			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		01-25-12AK	02/01/13	200	
J&T Brand		Purge & Trap MeOH		01/23/12	06/08/12	1800	
01-25-12AM							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
Exp:02/01/12			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120166-01	Volatile Mix 4-3	2000	178651-29811	01-25-12P	02/07/12	500
O2SI	020229-09	Acrolein	10000	182702-30106	01-18-12E	01/21/12	100
J&T Brand		Purge & Trap MeOH		K07B34-00570	01/23/12	06/08/12	3400

1/25/12 RS.

Method 8260 Internal Standard Solution, 2,000 mg/L, 1 ml
120302-03
Lot# 166255 Storage ≤ -10 Degrees C Expiry 11/18/12
Solv: P/T Methanol
Made in the USA. For R&D only, not human use.
Solutions®

1/24/12 A- RS

Method 8260 Internal Standard
Lot #: 166255 - 29271
Rec: 8/5/11 MFR exp. 11/18/12

RS

Fluorobenzene Solution, 2,000 mg/L, 1 ml
120132-03
Lot# 169170 Storage ≤ 6 Degrees C Expiry 2/13/14
Solv: P/T Methanol
Made in the USA. For R&D only, not human use.

1/24/12 B- RS

Fluorobenzene
Lot #: 169170 - 29290
Rec: 8/5/11 MFR exp. 02/13/14

RS

8260B Surrogate Solution, 2,000 mg/L, 5 x 1 ml
120002-01-5PAK
Lot# 178653 Storage ≤ -10 Degrees C Expiry 9/11/13
Solv: P/T Methanol
Made in the USA. For R&D only, not human use.

1/24/12 C- RS

8260B Surrogate Solution
Lot #: 178653 - 29571
Rec: 9/22/11 MFR exp. 09/11/13

RS

NOTEBOOK INSERT LABEL

Gasoline
Lot: LB82077 EXP: FEB/2014 STORAGE: ROOM TEMP. 47516-U 1 x 1ml

DATE RECEIVED: 1/26/12 A- RS.

SUPELCO Analytical
595 North Harrison Road • Bellefonte, PA
16823-0048 USA • Phone 814-359-3441

RS.

STANDARD TRANSFER LABEL

Date of Preparation:
Exp. Date:
Reference Number:
Storage: EXP: FEB/2014 ROOM TEMP.
Description: Gasoline

Lot #: LB82077 - 29979
Rec: 11/11/11 MFR exp. 02/28/14
gasoline

RESTEK
Catalog # 3

Unleaded gasoline composite
Lot #: A081012 - 29980
Rec: 11/14/11 MFR exp. 05/30/18

Unleaded Gasoline Composite Standard

50000 ug/mL each in P&T Methanol
Lot# A081012 Exp. Date: 05/2018 Store: 0°C or colder

1/26/12 B- RS.

1/26/12 RS.

01/26/12C							
2000ug/ml Gasoline							
Supplier	ID #		Conc. ug/ml	Lot #	Date Code	APPL Exp. Date	uL
Supelco	LB82077	Gasoline	20,000	LB82077-29979	01-26-12A	02/01/14	200
J&T Brand		Purge & Trap MeOH		K07E14-00570	01/23/12	08/02/12	1800
01/26/12D							
2000ug/ml Unleaded Gasoline							
Supplier	ID #		Conc. ug/ml	Lot #	Date Code	APPL Exp. Date	uL
Restek	30205	Unleaded Gasoline	50,000	A081012-29980	01-26-12B	02/01/14	80
J&T Brand		Purge & Trap MeOH		K07E14-00570	01/23/12	08/02/12	1920

RS.

1/26/12 RS.

Gasoline Curve Preparation for 100mL Purge (water)-CHICO			
	Expiration Date:		01/27/12
		50µg/mL Gasoline	Final Vol
Date	Conc.	01-26-12C	w/P&T H2O
Code	µg/L	Exp:01-03-12	mL
01-26-12E	20	1	100
01-26-12F	50	2.5	100
01-26-12G	100	5	100
01-26-12H	300	15	100
01-26-12I	600	30	100
01-26-12J	800	40	100
01-26-12K	1000	50	100

RS.

1/26/12 RS.

Volatile Standard Curve Preparation for 5mL Purge (8260 soil)-THOR

	Expiration Date:		01/27/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	5µg/mL Vol Std #2	50µg/mL Vol Std #12
Date	Conc.	01-25-12AH	01-25-12AL	01-25-12AD	01-25-12AF	01-25-12AK	01-25-12AI	01-25-12AE	01-25-12AG	01-25-12AJ
Code	µg/L	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12
01-26-12L	2	2	2	n/a	n/a	n/a	2	n/a	2	n/a
01-26-12M	5	5	5	n/a	n/a	n/a	5	n/a	5	n/a
01-26-12N	10	10	10	n/a	n/a	n/a	10	n/a	10	n/a
01-26-12O	20	20	20	n/a	n/a	n/a	20	n/a	20	n/a
01-26-12P	50	n/a	n/a	5	5	5	n/a	5	n/a	5
01-26-12Q	100	n/a	n/a	10	10	10	n/a	10	n/a	10
01-26-12R	200	n/a	n/a	20	20	20	n/a	20	n/a	20

250µg/mL TBA	Final Vol
01-25-12AM	w/P&T H2O
Exp:02-01-12	mL
1	5
2	5
3	5
4	5
5	5
6	5
7	5

RS.

1/28/12 RS

Volatile Standard Curve Preparation for 5mL Purge (8260 soil)-THOR

		Expiration Date:	01/29/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	5µg/mL Vol Std #2	50µg/mL Vol Std #12
Date	Conc.	01-25-12AH	01-25-12AL	01-25-12AD	01-25-12AF	01-25-12AK	01-25-12AI	01-25-12AE	01-25-12AG	01-25-12AJ
Code	µg/L	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12
01-28-12H	2	2	2	n/a	n/a	n/a	2	n/a	2	n/a
01-28-12I	5	5	5	n/a	n/a	n/a	5	n/a	5	n/a
01-28-12J	10	10	10	n/a	n/a	n/a	10	n/a	10	n/a
01-28-12K	20	20	20	n/a	n/a	n/a	20	n/a	20	n/a
01-28-12L	50	n/a	n/a	5	5	5	n/a	5	n/a	5
01-28-12M	100	n/a	n/a	10	10	10	n/a	10	n/a	10
01-28-12N	200	n/a	n/a	20	20	20	n/a	20	n/a	20

1/31/12 RS

250µg/mL TBA	Final Vol
01-25-12AM	w/P&T H2O
Exp:02-01-12	mL
1	5
2	5
3	5
4	5
5	5
6	5
7	5

2/02 RS

1/31/12 RS

A-

EPA Method 502/524
Fortification Solution, 3-I,
1000 mg/L, 1 ml
122450-02
Lot # 176776 Storage ≤ -10 Degrees C Expiry 7/31/13
Solv: P/T Methanol
solutions®
EPA Method 502/524 Fortification
Lot #: 176776 - 29297
Rec: 8/5/11 MFR exp. 07/31/13

RS.

2/02 RS

Thor 524

01-31-12B

10ug/ml Neo-524 Internal Standard w/ Surrogate			Conc.		Date	Exp.	
			ug/ml	Lot #	Code	Date	uL
02SI	122450-02	524 Fortification Sol	1000	176776-29297	01-31-12A	06/14/12	150
J.T.Baker		Purge & Trap MeOH		K07B34-00571	01/25/12	10/10/12	14850

1/31/12 RS

2/02 RS

CHICO

01-31-12C

250ug/ml 8260 Internal Standard - Chico			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
02SI	120302-03	Internal Standard Mix	2000	166255-29273	01-28-12D	07/23/12	500
02SI	020132-02	Fluorobenzene Standard	2000	169170-29282	01-28-12E	07/23/12	500
J&T Baker		Purge & Trap MeOH		K07B34-00571	01/25/12	11/14/12	3000

1/31/12 RS.

1/31/12 RS

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-THOR

		Expiration Date:	02/01/12							
		5µg/mL Vol Std #9	5µg/mL Surr	50µg/mL Vol Std #7	50µg/mL Vol Std #8	50µg/mL Surr	5µg/mL Vol Std #10	50µg/mL Vol Std #1	5µg/mL Vol Std #2	5µg/mL Vol Std #12
Date	Conc.	01-25-12AH	01-25-12AL	01-25-12AD	01-25-12AF	01-25-12AK	01-25-12AI	01-25-12AE	01-25-12AG	01-25-12AJ
Code	µg/L	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12	Exp:02-01-12
01-31-12D	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3
01-31-12E	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5
01-31-12F	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10
01-31-12G	5	n/a	n/a	5	5	10	n/a	5	5	n/a
01-31-12H	10	n/a	n/a	10	10	25	n/a	10	10	n/a
01-31-12I	20	n/a	n/a	20	20	40	n/a	20	20	n/a
01-31-12J	40	n/a	n/a	40	40	80	n/a	40	40	n/a
01-31-12K	100	n/a	n/a	100	100	100	n/a	100	100	n/a

2/02 RS

250µg/mL TAPD	Final Vol
01-25-12AM	w/P&T H2O
Exp:02-01-12	mL
3	50
5	50
10	50
20	50
25	50
30	50
35	50
40	50

2/02 RS

1/31/12 RS.

L-

Fluorobenzene Solution,
2,000 mg/L, 1 ml
020132-02
Lot # 169170 Storage ≤ 6 Degrees C Expiry 2/13/14
Solvent: P/T Methanol
Fluorobenzene
Lot #: 169170 - 29283
Rec: 8/5/11 MFR exp. 02/13/14

RS.

Injection Log

Directory: M:\CHICO\DATA\C120125\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0125C00T.D	1	25ug/mL BFB Std. 01-12-12	2uL	25 Jan 12 12:41
2	1	0125C07W.D	1	Vol. Std. 01-25-12@0.3ug/L	Water 10mLw/ IS&S:12-06-11	25 Jan 12 17:16
3	1	0125C08W.D	1	Vol. Std. 01-25-12@0.5ug/L	Water 10mLw/ IS&S:12-06-11	25 Jan 12 17:53
4	1	0125C09W.D	1	Vol. Std. 01-25-12@1.0ug/L	Water 10mLw/ IS&S:12-06-11	25 Jan 12 18:30
5	1	0125C10W.D	1	Vol. Std. 01-25-12@5.0ug/L	Water 10mLw/ IS&S:12-06-11	25 Jan 12 19:07
6	1	0125C11W.D	1	Vol. Std. 01-25-12@10ug/L	Water 10mLw/ IS&S:12-06-11	25 Jan 12 19:44
7	1	0125C12W.D	1	Vol. Std. 01-25-12@40ug/L	Water 10mLw/ IS&S:12-06-11	25 Jan 12 20:21
8	1	0125C13W.D	1	Vol. Std. 01-25-12@100ug/L	Water 10mLw/ IS&S:12-06-11	25 Jan 12 20:58
9	1	0127C00T.D	1	25ug/mL BFB Std. 01-12-12	2uL	27 Jan 12 9:32
10	1	0127C02W.D	1	10ug/L Vol Std 01-27-12	Water 10mLw/ IS&S12-06-11	27 Jan 12 10:41
11	1	0127C03W.D	1	120127A LCS-1WC	Water 10mLw/ IS&S12-06-11	27 Jan 12 11:18
12	1	0127C09W.D	1	120127A BLK-1WC	Water 10mLw/ IS&S12-06-11	27 Jan 12 15:01
13	1	0127C13W.D	1	AY53667W01	Water 10mLw/ IS&S12-06-11	27 Jan 12 17:30
14	1	0127C14W.D	1	AY53668W01	Water 10mLw/ IS&S12-06-11	27 Jan 12 18:07

Injection Log

Directory: M:\CHICO\DATA\C120125\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0125C24T.D	1	25ug/mL BFB Std. 01-12-12	Water 2uL	26 Jan 12 16:30
2	1	0125C28W.D	1	VOC Mix Marker	Water 10mLw/ IS:12-06-11	26 Jan 12 18:55
3	1	0125C29W.D	1	Vol. Std. 01-26-12@20ug/L	Water 10mLw/ IS:12-06-11	26 Jan 12 19:32
4	1	0125C30W.D	1	Vol. Std. 01-26-12@50ug/L	Water 10mLw/ IS:12-06-11	26 Jan 12 20:09
5	1	0125C31W.D	1	Vol. Std. 01-26-12@100ug/L	Water 10mLw/ IS:12-06-11	26 Jan 12 20:46
6	1	0125C32W.D	1	Vol. Std. 01-26-12@300ug/L	Water 10mLw/ IS:12-06-11	26 Jan 12 21:24
7	1	0125C33W.D	1	Vol. Std. 01-26-12@600ug/L	Water 10mLw/ IS:12-06-11	26 Jan 12 22:01
8	1	0125C34W.D	1	Vol. Std. 01-26-12@800ug/L	Water 10mLw/ IS:12-06-11	26 Jan 12 22:38
9	1	0125C35W.D	1	Vol. Std. 01-26-12@1000ug/L	Water 10mLw/ IS:12-06-11	26 Jan 12 23:15
10	1	0125C38W.D	1	Second Source 01-26-12	Water 10mLw/ IS:12-06-11	27 Jan 12 1:06
11	1	0127C00T.D	1	25ug/mL BFB Std. 01-12-12	2uL	27 Jan 12 9:32
12	1	0127C05W.D	1	CCV gas 300ug/L	Water 10mLw/ IS:12-06-11	27 Jan 12 12:32
13	1	0127C06W.D	1	LCS gas 300ug/L	Water 10mLw/ IS:12-06-11	27 Jan 12 13:10
14	1	0127C09W.D	1	120127A BLK-1WC	Water 10mLw/ IS:12-06-11	27 Jan 12 15:01
15	1	0127C10W.D	1	AY53669W01	Water 10mLw/ IS:12-06-11	27 Jan 12 15:38
16	1	0127C12W.D	1	AY53666W01	Water 10mLw/ IS:12-06-11	27 Jan 12 16:53
17	1	0127C13W.D	1	AY53667W01	Water 10mLw/ IS:12-06-11	27 Jan 12 17:30
18	1	0127C14W.D	1	AY53668W01	Water 10mLw/ IS:12-06-11	27 Jan 12 18:07

Injection Log

Directory: M:\THOR\DATA\T120131\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0131T00T.D	1	5ng- BFB STD 1-12-12	2ul	31 Jan 12 10:01
2	4	0131T04W.D	1	0.3ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 11:46
3	5	0131T05W.D	1	0.5ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 12:14
4	6	0131T06W.D	1	1.0ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 12:42
5	7	0131T07W.D	1	5.0ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 13:10
6	8	0131T08W.D	1	10ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 13:37
7	9	0131T09W.D	1	20ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 14:05
8	10	0131T10W.D	1	40ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 14:32
9	11	0131T11W.D	1	100ug/L VOC STD 1-31-12	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 15:00
10	17	0131T17W.D	1	120131A LCS-1WT (SS)	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 17:46
11	22	0131T22W.D	1	AY53669W02	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 20:05
12	23	0131T23W.D	1	AY53666W02	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 20:32
13	24	0131T24W.D	1	120131A BLK-1WT	10ml w/5ul of IS: 12-25-11 |	31 Jan 12 21:00

METALS

APPL, INC.

METALS
QC Summary

APPL, INC.

METALS BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	LOQ	LOD	DL	Units	Prep Date	Analysis Date	QC Group
6020	LEAD (PB) (DISSOL	0.22 U	0.5	0.22	0.11	ug/L	01/26/12	01/26/12	#602D-120126A-AY53668

Laboratory Control Spike Recovery

METALS

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
6020	LEAD (PB) (DISSOLVED)	50.0	51.1	102	80-120	01/26/12	01/26/12	#602D-120126A-AY53668

410

Comments: _____

Printed: 02/07/12 12:53:14 PM
APPL Standard LCS

Matrix Spike Recoveries

METALS

APPL ID: **120126W-53668 MS - 163685**

Sample ID: AY53668

Client ID: ES059

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Lvl ug/L	Matrix Res ug/L	SPK Res ug/L	DUP Res ug/L	SPK % Recovery	DUP % Recovery	RPD	RPD Max	Recovery Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group	QC Sample
6020	LEAD (PB) (DISSOLVE	50.0	0.11	47.7	47.2	95.2	94.2	1.1	20	80-120	01/26/12	01/26/12	01/26/12	01/26/12	163685	AY53668

411

Comments: _____

METALS
Sample Data

APPL, INC.

Metals Analysis

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Stacey Fineran
Project: RED HILL/1022-015
Sample ID: ES057
Sample Collection Date: 01/24/12

ARF: 66795
APPL ID: AY53666

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.19J	0.5	0.22	0.11	ug/L	1	01/26/12	01/26/12

J = Estimated value.

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\104SMPL.D\104SMPL.D#
Date Acquired: Jan 26 2012 10:16 pm
Operator: NBS
Sample Name: AY53666W08
Misc Info: 120126A-3015
Vial Number: 2506
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	0.00	ug/l	0.00	232.41	1000	
11 B	36.77	ug/l	40.85	1.31	1000	
23 Na	44070.00	ug/l	48961.77	0.48	25000	>Cal
24 Mg	13330.00	ug/l	14809.63	0.98	50000	
27 Al	12.42	ug/l	13.80	58.09	20000	
39 K	898.50	ug/l	998.23	0.61	20000	
44 Ca	11190.00	ug/l	12432.09	0.43	50000	
47 Ti	0.50	ug/l	0.55	22.50	1000	
51 V	0.05	ug/l	0.06	96.44	1000	
52 Cr	0.83	ug/l	0.92	2.30	1000	
55 Mn	242.70	ug/l	269.64	0.70	1000	
56 Fe	2268.00	ug/l	2519.75	1.00	20000	
59 Co	0.20	ug/l	0.23	6.86	1000	
60 Ni	2.63	ug/l	2.92	1.50	1000	
63 Cu	0.99	ug/l	1.10	2.27	1000	
65 Cu	1.00	ug/l	1.11	3.98	1000	
66 Zn	14.15	ug/l	15.72	1.54	1000	
75 As	-0.11	ug/l	-0.12	16.62	1000	
78 Se	0.04	ug/l	0.05	13.91	1000	
78 Se	0.38	ug/l	0.42	9.77	1000	
88 Sr	102.90	ug/l	114.32	0.61	1000	
88 Sr	104.10	ug/l	115.66	0.28	1000	
95 Mo	0.09	ug/l	0.10	8.99	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	0.00	ug/l	0.00	44.85	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	0.03	ug/l	0.03	4.63	1000	
118 Sn	0.12	ug/l	0.14	38.39	#######	
118 Sn	0.11	ug/l	0.13	13.66	#######	
118 Sn	0.14	ug/l	0.15	21.73	1000	
121 Sb	0.03	ug/l	0.03	24.03	1000	
137 Ba	1.72	ug/l	1.91	3.61	1000	
205 Tl	0.02	ug/l	0.02	9.60	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	0.17	ug/l	0.19	5.26	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	652904.19	0.53	535705.94	121.9	70 - 120	IS Fai
45 Sc	300287.16	1.22	277469.19	108.2	70 - 120	
45 Sc	118705.70	0.24	107568.42	110.4	70 - 120	
45 Sc	1260923.40	0.68	1040297.70	121.2	70 - 120	IS Fai
72 Ge	80995.56	2.11	80174.67	101.0	70 - 120	
72 Ge	70661.37	1.06	64865.30	108.9	70 - 120	
72 Ge	236590.52	1.49	219085.67	108.0	70 - 120	
115 In	1073643.80	0.90	1033595.60	103.9	70 - 120	
115 In	654829.06	0.96	609098.25	107.5	70 - 120	
115 In	1745107.00	1.04	1638831.60	106.5	70 - 120	
159 Tb	2630892.50	0.62	2443833.50	107.7	70 - 120	
165 Ho	2607504.50	0.42	2396067.30	108.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
2 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

Metals Analysis

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Stacey Fineran
Project: RED HILL/1022-015
Sample ID: ES058
Sample Collection Date: 01/24/12

ARF: 66795
APPL ID: AY53667

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.20J	0.5	0.22	0.11	ug/L	1	01/26/12	01/26/12

J = Estimated value.

Printed: 02/07/12 12:53:21 PM
APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\105SMPL.D\105SMPL.D#
Date Acquired: Jan 26 2012 10:23 pm
Operator: NBS
Sample Name: AY53667N08
Misc Info: 120126A-3015
Vial Number: 2507
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	0.00	ug/l	0.00	1078.30	1000	
11 B	24.74	ug/l	27.49	0.29	1000	
23 Na	201000.00	ug/l	223311.00	0.43	25000	>Cal
24 Mg	1002.00	ug/l	1113.22	1.28	50000	
27 Al	9.18	ug/l	10.20	58.23	20000	
39 K	5929.00	ug/l	6587.12	0.06	20000	
44 Ca	265800.00	ug/l	295303.80	0.05	50000	>Cal
47 Ti	0.28	ug/l	0.31	50.78	1000	
51 V	-0.51	ug/l	-0.57	2.82	1000	
52 Cr	28.69	ug/l	31.87	0.80	1000	
55 Mn	0.22	ug/l	0.24	52.73	1000	
56 Fe	17.33	ug/l	19.25	42.02	20000	
59 Co	5.89	ug/l	6.54	1.65	1000	
60 Ni	20.92	ug/l	23.24	1.06	1000	
63 Cu	1.50	ug/l	1.66	0.90	1000	
65 Cu	1.69	ug/l	1.88	2.24	1000	
66 Zn	1.31	ug/l	1.45	4.93	1000	
75 As	0.00	ug/l	0.00	244.15	1000	
78 Se	1.54	ug/l	1.71	4.18	1000	
78 Se	1.87	ug/l	2.08	9.11	1000	
88 Sr	6276.00	ug/l	6972.64	0.86	1000	>Cal
88 Sr	6660.00	ug/l	7399.26	0.71	1000	>Cal
95 Mo	0.73	ug/l	0.81	2.49	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	########	
107 Ag	0.01	ug/l	0.01	15.69	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	########	
111 Cd	0.04	ug/l	0.04	41.89	1000	
118 Sn	-0.02	ug/l	-0.03	31.87	########	
118 Sn	-0.05	ug/l	-0.06	35.35	########	
118 Sn	-0.04	ug/l	-0.05	13.76	1000	
121 Sb	0.01	ug/l	0.01	66.47	1000	
137 Ba	262.40	ug/l	291.53	0.69	1000	
205 Tl	0.02	ug/l	0.02	7.91	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	########	
207 (Pb)	--------	ug/l	#VALUE!	--------	########	
208 Pb	0.18	ug/l	0.20	3.86	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	633635.88	0.87	535705.94	118.3	70 - 120	
45 Sc	283349.72	1.01	277469.19	102.1	70 - 120	
45 Sc	113758.38	0.42	107568.42	105.8	70 - 120	
45 Sc	1135340.60	0.92	1040297.70	109.1	70 - 120	
72 Ge	75923.02	1.85	80174.67	94.7	70 - 120	
72 Ge	64945.68	2.03	64865.30	100.1	70 - 120	
72 Ge	218476.52	0.82	219085.67	99.7	70 - 120	
115 In	998462.81	1.19	1033595.60	96.6	70 - 120	
115 In	603268.81	0.83	609098.25	99.0	70 - 120	
115 In	1634251.60	0.18	1638831.60	99.7	70 - 120	
159 Tb	2527268.50	0.66	2443833.50	103.4	70 - 120	
165 Ho	2497306.00	0.80	2396067.30	104.2	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

4 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

Metals Analysis

Environet, Inc.
650 Iwilei Rd, #204
Honolulu, HI 96817

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Stacey Fineran
Project: RED HILL/1022-015
Sample ID: ES059
Sample Collection Date: 01/24/12

ARF: 66795
APPL ID: AY53668

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.11 J	0.5	0.22	0.11	ug/L	1	01/26/12	01/26/12

J = Estimated value.

Printed: 02/07/12 12:53:21 PM
APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\106SMPL.D\106SMPL.D#
Date Acquired: Jan 26 2012 10:29 pm
Operator: NBS
Sample Name: AY53668W08
Misc Info: 120126A-3015
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	0.00	ug/l	0.00	995.47	1000	
11 B	25.34	ug/l	28.15	0.67	1000	
23 Na	201000.00	ug/l	223311.00	1.17	25000	>Cal
24 Mg	1470.00	ug/l	1633.17	0.69	50000	
27 Al	14.25	ug/l	15.83	9.85	20000	
39 K	5849.00	ug/l	6498.24	0.28	20000	
44 Ca	266000.00	ug/l	295526.00	0.40	50000	>Cal
47 Ti	0.22	ug/l	0.24	36.12	1000	
51 V	-0.53	ug/l	-0.59	3.13	1000	
52 Cr	28.97	ug/l	32.19	0.44	1000	
55 Mn	0.18	ug/l	0.20	18.68	1000	
56 Fe	31.18	ug/l	34.64	8.57	20000	
59 Co	5.92	ug/l	6.57	1.19	1000	
60 Ni	21.11	ug/l	23.45	1.63	1000	
63 Cu	1.86	ug/l	2.06	1.92	1000	
65 Cu	2.01	ug/l	2.23	0.67	1000	
66 Zn	9.00	ug/l	9.99	5.01	1000	
75 As	0.00	ug/l	0.00	386.64	1000	
78 Se	1.47	ug/l	1.64	1.68	1000	
78 Se	2.01	ug/l	2.23	9.17	1000	
88 Sr	6310.00	ug/l	7010.41	1.60	1000	>Cal
88 Sr	6767.00	ug/l	7518.14	0.62	1000	>Cal
95 Mo	0.77	ug/l	0.85	2.34	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	########	
107 Ag	0.01	ug/l	0.01	17.82	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	########	
111 Cd	0.04	ug/l	0.05	19.24	1000	
118 Sn	0.05	ug/l	0.05	17.13	########	
118 Sn	0.03	ug/l	0.03	28.39	########	
118 Sn	0.04	ug/l	0.04	34.17	1000	
121 Sb	0.01	ug/l	0.02	59.97	1000	
137 Ba	266.20	ug/l	295.75	0.73	1000	
205 Tl	0.02	ug/l	0.02	7.73	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	########	
207 (Pb)	--------	ug/l	#VALUE!	--------	########	
208 Pb	0.10	ug/l	0.11	2.48	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	636858.38	0.26	535705.94	118.9	70 - 120	
45 Sc	279849.91	0.42	277469.19	100.9	70 - 120	
45 Sc	113431.90	1.28	107568.42	105.5	70 - 120	
45 Sc	1146472.90	0.77	1040297.70	110.2	70 - 120	
72 Ge	75780.34	2.22	80174.67	94.5	70 - 120	
72 Ge	65292.16	2.08	64865.30	100.7	70 - 120	
72 Ge	217540.13	0.80	219085.67	99.3	70 - 120	
115 In	978498.50	1.16	1033595.60	94.7	70 - 120	
115 In	605734.50	1.75	609098.25	99.4	70 - 120	
115 In	1644587.60	0.80	1638831.60	100.4	70 - 120	
159 Tb	2574505.50	1.42	2443833.50	105.3	70 - 120	
165 Ho	2529262.00	0.70	2396067.30	105.6	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

4 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

METALS
Calibration Data

APPL, INC.

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.
ARF No: 66795 SDG: 66795
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 01/26/12 Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found 11:30	%R(1)	True CCV1	Found 11:57	%R(1)	True CCV1	Found 21:22	%R(1)	
Lead (Pb)	100	101.9	102	50	50.82	102	50	48.83	97.7	P

(1) Control Limits: Metals 90-110

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.
ARF No: 66795 SDG: 66795
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 01/26/12 Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found 11:30	%R(1)	True CCV1	Found 22:56	%R(1)	True CCV1	Found 23:36	%R(1)	
Lead (Pb)	100	101.9	102	50	49.48	99.0	50	49.57	99.1	P

(1) Control Limits: Metals 90-110

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 66795 SDG: 66795

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analysis Date: 01/26/12

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)								Preparation Blank		M
		C	1	C	2	C	3	C		C			
	11:50		12:03		21:36		23:10		21:43				
Lead (Pb)	.20	U	.20	U	.20	U	.20	U	.20	U	P		

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 66795 SDG: 66795

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analysis Date: 01/26/12

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
	11:50		23:50						21:43		
Lead (Pb)	.20	U	.20	U					.20	U	P

A.P.P.L. INC.
4
ICP INTERFERENCE CHECK SAMPLE

Lab Name:	A.P.P.L. INC.	Contract:	Environet, Inc.
ARF No.:	66795	SDG:	66795
ICP ID Number:	Optimus	ICS Source:	Environmental Express

Analysis Date: 01/26/12 Concentration Units: ug/L

Analyte	True		Initial Found		
	Sol A	Sol AB	Sol A 12:36	Sol AB 12:43	%R(1)
Lead (Pb)		500	0.9753	454	90.8

(1) Control Limits: Metals 80-120

A.P.P.L. INC.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMPLE NO.

ES059

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 66795 SDG: 66795

Analysis Date: 01/26/12 Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Lead (Pb)	75-125	233.988		0.1077699		277.500	84.3		

Comments:

01/26/12 22:29 AY53668W08

01/26/12 23:16 AY53668W08-A

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\113SMPL.D\113SMPL.D#
Date Acquired: Jan 26 2012 11:16 pm
Operator: NBS
Sample Name: AY53668W08-A
Misc Info: 120126A-3015
Vial Number: 2511
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	39.32	ug/l	43.68	0.99	1000	
11 B	238.90	ug/l	265.42	0.95	1000	
23 Na	221200.00	ug/l	245753.20	1.23	25000	>Cal
24 Mg	22670.00	ug/l	25186.37	0.79	50000	
27 Al	1891.00	ug/l	2100.90	0.65	20000	
39 K	10000.00	ug/l	11110.00	1.09	20000	
44 Ca	281500.00	ug/l	312746.50	0.59	50000	>Cal
47 Ti	228.20	ug/l	253.53	0.77	1000	
51 V	233.80	ug/l	259.75	0.52	1000	
52 Cr	260.30	ug/l	289.19	1.05	1000	
55 Mn	232.10	ug/l	257.86	0.67	1000	
56 Fe	929.00	ug/l	1032.12	1.78	20000	
59 Co	204.00	ug/l	226.64	0.96	1000	
60 Ni	221.00	ug/l	245.53	1.02	1000	
63 Cu	188.60	ug/l	209.53	0.72	1000	
65 Cu	188.40	ug/l	209.31	0.83	1000	
66 Zn	336.60	ug/l	373.96	0.82	1000	
75 As	195.30	ug/l	216.98	0.58	1000	
78 Se	156.90	ug/l	174.32	0.04	1000	
78 Se	159.20	ug/l	176.87	1.02	1000	
88 Sr	6441.00	ug/l	7155.95	0.82	1000	>Cal
88 Sr	6825.00	ug/l	7582.58	0.17	1000	>Cal
95 Mo	228.60	ug/l	253.97	0.89	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	########	
107 Ag	67.44	ug/l	74.93	2.50	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	########	
111 Cd	38.86	ug/l	43.17	0.48	1000	
118 Sn	246.30	ug/l	273.64	0.77	########	
118 Sn	251.40	ug/l	279.31	0.48	########	
118 Sn	244.30	ug/l	271.42	1.08	1000	
121 Sb	214.20	ug/l	237.98	1.38	1000	
137 Ba	492.60	ug/l	547.28	0.42	1000	
205 Tl	211.60	ug/l	235.09	0.72	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	########	
207 (Pb)	--------	ug/l	#VALUE!	--------	########	
208 Pb	210.80	ug/l	234.20	0.88	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	624009.69	0.89	535705.94	116.5	70 - 120	
45 Sc	267615.69	0.60	277469.19	96.4	70 - 120	
45 Sc	107522.23	1.05	107568.42	100.0	70 - 120	
45 Sc	1089390.30	0.91	1040297.70	104.7	70 - 120	
72 Ge	70747.43	0.65	80174.67	88.2	70 - 120	
72 Ge	63444.31	1.84	64865.30	97.8	70 - 120	
72 Ge	209730.91	1.02	219085.67	95.7	70 - 120	
115 In	959492.63	0.85	1033595.60	92.8	70 - 120	
115 In	579286.38	1.01	609098.25	95.1	70 - 120	
115 In	1584750.90	0.29	1638831.60	96.7	70 - 120	
159 Tb	2480540.50	0.79	2443833.50	101.5	70 - 120	
165 Ho	2472149.30	0.67	2396067.30	103.2	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

4 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

A.P.P.L. INC.

9

ICP SERIAL DILUTION

CLIENT SAMPLE NO.

ES059

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 66795 SDG: 66795

Matrix: water

Analysis Date: 01/26/12 Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Lead (Pb)	0.1077699		0.02311292		NA		

Comments:

01/26/12 22:29 AY53668W08

01/26/12 23:23 AY53668W08-1/5

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\114SMPL.D\114SMPL.D#
Date Acquired: Jan 26 2012 11:23 pm
Operator: NBS
Sample Name: AY53668W08-1/5
Misc Info: 120126A-3015
Vial Number: 2512
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 5.56
Total Dil Factor: 5.56

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	0.00	ug/l	0.00	118.18	1000	
11 B	6.91	ug/l	38.41	2.66	1000	
23 Na	42980.00	ug/l	238796.88	0.75	25000	>Cal
24 Mg	316.10	ug/l	1756.25	0.99	50000	
27 Al	6.12	ug/l	34.02	40.85	20000	
39 K	1353.00	ug/l	7517.27	0.99	20000	
44 Ca	56800.00	ug/l	315580.80	0.33	50000	>Cal
47 Ti	0.15	ug/l	0.84	57.90	1000	
51 V	1.12	ug/l	6.20	1.70	1000	
52 Cr	6.24	ug/l	34.68	1.30	1000	
55 Mn	0.16	ug/l	0.86	53.90	1000	
56 Fe	11.11	ug/l	61.73	44.58	20000	
59 Co	1.28	ug/l	7.09	0.63	1000	
60 Ni	4.65	ug/l	25.82	0.58	1000	
63 Cu	0.44	ug/l	2.47	2.80	1000	
65 Cu	0.47	ug/l	2.60	2.07	1000	
66 Zn	2.21	ug/l	12.25	3.89	1000	
75 As	0.57	ug/l	3.15	4.81	1000	
78 Se	0.38	ug/l	2.11	12.70	1000	
78 Se	0.63	ug/l	3.48	19.10	1000	
88 Sr	1238.00	ug/l	6878.33	1.37	1000	>Cal
88 Sr	1329.00	ug/l	7383.92	0.61	1000	>Cal
95 Mo	0.21	ug/l	1.18	6.62	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	0.11	ug/l	0.61	9.61	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	0.01	ug/l	0.04	44.44	1000	
118 Sn	0.55	ug/l	3.03	4.00	#######	
118 Sn	0.65	ug/l	3.60	6.23	#######	
118 Sn	0.61	ug/l	3.36	3.15	1000	
121 Sb	0.30	ug/l	1.69	0.80	1000	
137 Ba	52.89	ug/l	293.86	0.47	1000	
205 Tl	0.05	ug/l	0.29	1.94	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	0.00	ug/l	0.02	32.09	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	749296.88	0.77	535705.94	139.9	70 - 120	IS Fai
45 Sc	313577.09	0.64	277469.19	113.0	70 - 120	
45 Sc	110596.10	0.18	107568.42	102.8	70 - 120	
45 Sc	1129593.80	0.28	1040297.70	108.6	70 - 120	
72 Ge	83600.91	1.85	80174.67	104.3	70 - 120	
72 Ge	66270.43	2.37	64865.30	102.2	70 - 120	
72 Ge	232729.50	0.76	219085.67	106.2	70 - 120	
115 In	1177160.50	0.58	1033595.60	113.9	70 - 120	
115 In	638731.56	1.36	609098.25	104.9	70 - 120	
115 In	1693169.10	0.46	1638831.60	103.3	70 - 120	
159 Tb	2578817.80	0.68	2443833.50	105.5	70 - 120	
165 Ho	2565506.50	1.06	2396067.30	107.1	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

4 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\005CAL
Date Acquired: Jan 26 2012 10:56 am
Operator: NBS
Sample Name: Calibration Blank
Misc Info:
Vial Number: 1102
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 10:53 am
Sample Type: CalBlk
Total Dil Factor: 1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)
6	Li	535705.88	A	8370.00	1.56
7	(Li)	39495.90	P	240.30	0.61
9	Be	6.67	P	6.67	100.00
11	B	3130.57	P	219.60	7.01
23	Na	30079.92	P	247.90	0.82
24	Mg	542.25	P	18.36	3.39
27	Al	333.35	P	32.15	9.64
39	K	26892.91	P	362.70	1.35
44	Ca	603.91	P	77.08	12.76
45	Sc	277469.19	A	2281.00	0.82
45	Sc	107568.40	A	1742.00	1.62
45	Sc	1040298.00	A	2252.00	0.22
47	Ti	15.11	P	1.54	10.19
51	V	3039.47	P	34.06	1.12
52	Cr	720.47	P	40.32	5.60
55	Mn	212.89	P	30.82	14.48
56	Fe	16239.80	P	466.50	2.87
59	Co	25.78	P	4.07	15.80
60	Ni	82.22	P	16.29	19.81
63	Cu	351.57	P	10.10	2.87
65	Cu	152.89	P	10.36	6.78
66	Zn	164.89	P	16.88	10.24
72	Ge	80174.68	A	1253.00	1.56
72	Ge	64865.30	A	1130.00	1.74
72	Ge	219085.70	A	1438.00	0.66
75	As	145.56	P	2.84	1.95
78	Se	2.22	P	0.51	22.91
78	Se	62.78	P	5.35	8.52
88	Sr	37.78	P	8.39	22.21
88	Sr	165.56	P	24.11	14.56
95	Mo	62.22	P	22.69	36.47
106	(Cd)	5.56	P	3.85	69.28
107	Ag	21.11	P	10.71	50.73
108	(Cd)	3.33	P	0.00	0.00
111	Cd	5.93	P	4.06	68.43
115	In	1033595.00	A	6574.00	0.64
115	In	609098.19	A	6028.00	0.99
115	In	1638832.00	A	13920.00	0.85
118	Sn	553.37	P	64.30	11.62
118	Sn	385.58	P	20.37	5.28
118	Sn	855.61	P	56.41	6.59
121	Sb	1257.88	P	30.98	2.46
137	Ba	31.11	P	3.85	12.37
159	Tb	2443834.00	A	27590.00	1.13
165	Ho	2396067.00	A	8871.00	0.37
205	Tl	77.78	P	17.11	22.00
206	(Pb)	226.68	P	45.83	20.22
207	(Pb)	193.34	P	14.53	7.52
208	Pb	905.60	P	67.03	7.40

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\006CALS.D\006CALS.D#
Date Acquired: Jan 26 2012 11:03 am
Operator: NBS
Sample Name: 120126 Standard 1
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:00 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean		SD	RSD(%)	Cal Coef
6 Li	545162.88	A	4331.00	0.79	0.0000
7 (Li)	39670.02	P	378.80	0.95	0.0000
9 Be	288.90	P	22.20	7.68	0.0000
11 B	3043.75	P	96.87	3.18	0.0000
23 Na	32290.19	P	187.30	0.58	0.0000
24 Mg	2179.12	P	91.02	4.18	0.0000
27 Al	624.48	P	25.24	4.04	0.0000
39 K	27910.43	P	146.60	0.53	0.0000
44 Ca	741.33	P	24.93	3.36	0.0000
45 Sc	274760.00	A	254.20	0.09	0.0000
45 Sc	107641.80	A	907.70	0.84	0.0000
45 Sc	1036915.00	A	10630.00	1.03	0.0000
47 Ti	28.44	P	7.70	27.06	0.0000
51 V	3513.36	P	24.67	0.70	0.0000
52 Cr	1086.72	P	30.20	2.78	0.0000
55 Mn	474.24	P	24.67	5.20	0.0000
56 Fe	22995.53	P	207.90	0.90	0.0000
59 Co	572.91	P	28.17	4.92	0.0000
60 Ni	228.45	P	2.78	1.22	0.0000
63 Cu	748.47	P	50.82	6.79	0.0000
65 Cu	377.79	P	20.93	5.54	0.0000
66 Zn	2836.31	P	13.86	0.49	0.0000
72 Ge	78323.42	A	1279.00	1.63	0.0000
72 Ge	64223.30	A	1349.00	2.10	0.0000
72 Ge	221635.50	A	2396.00	1.08	0.0000
75 As	194.56	P	9.19	4.72	0.0000
78 Se	20.78	P	1.02	4.90	0.0000
78 Se	70.44	P	3.24	4.60	0.0000
88 Sr	506.69	P	37.57	7.41	0.0000
88 Sr	2234.70	P	127.10	5.69	0.0000
95 Mo	437.80	P	12.62	2.88	0.0000
106 (Cd)	28.89	P	5.09	17.63	0.0000
107 Ag	581.14	P	24.57	4.23	0.0000
108 (Cd)	24.45	P	15.40	63.00	0.0000
111 Cd	237.68	P	29.37	12.36	0.0000
115 In	1032958.00	A	5753.00	0.56	0.0000
115 In	610172.31	A	6013.00	0.99	0.0000
115 In	1607520.00	A	2559.00	0.16	0.0000
118 Sn	993.41	P	72.19	7.27	0.0000
118 Sn	591.15	P	7.70	1.30	0.0000
118 Sn	1465.68	P	61.50	4.20	0.0000
121 Sb	2020.22	P	60.84	3.01	0.0000
137 Ba	323.35	P	15.28	4.73	0.0000
159 Tb	2444268.00	A	34490.00	1.41	0.0000
165 Ho	2403183.00	A	36250.00	1.51	0.0000
205 Tl	2368.07	P	60.51	2.56	0.0000
206 (Pb)	987.85	P	35.02	3.55	0.0000
207 (Pb)	864.51	P	52.32	6.05	0.0000
208 Pb	3987.05	P	75.51	1.89	0.0000

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	545162.88	0.79	535705.94	101.8	70 -	120	
45 Sc	274759.97	0.09	277469.19	99.0	70 -	120	
45 Sc	107641.76	0.84	107568.42	100.1	70 -	120	
45 Sc	1036915.40	1.03	1040297.70	99.7	70 -	120	
72 Ge	78323.41	1.63	80174.67	97.7	70 -	120	
72 Ge	64223.30	2.10	64865.30	99.0	70 -	120	
72 Ge	221635.55	1.08	219085.67	101.2	70 -	120	
115 In	1032958.40	0.56	1033595.60	99.9	70 -	120	
115 In	610172.31	0.99	609098.25	100.2	70 -	120	
115 In	1607520.40	0.16	1638831.60	98.1	70 -	120	
159 Tb	2444267.80	1.41	2443833.50	100.0	70 -	120	
165 Ho	2403182.80	1.51	2396067.30	100.3	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\007CALS.D\007CALS.D#
Date Acquired: Jan 26 2012 11:09 am
Operator: NBS
Sample Name: 120126 Standard 2
Misc Info:
Vial Number: 1104
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:07 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean		SD	RSD(%)	Cal Coef
6 Li	546943.31	A	2855.00	0.52	0.0000
7 (Li)	39675.25	P	297.80	0.75	1.0000
9 Be	2733.66	P	98.22	3.59	1.0000
11 B	5093.27	P	58.36	1.15	-1.0000
23 Na	45317.27	P	443.90	0.98	1.0000
24 Mg	17249.35	P	108.00	0.63	1.0000
27 Al	3553.89	P	78.62	2.21	1.0000
39 K	35175.91	P	261.50	0.74	1.0000
44 Ca	1593.17	P	55.56	3.49	1.0000
45 Sc	275270.19	A	1510.00	0.55	0.0000
45 Sc	109114.40	A	1861.00	1.71	0.0000
45 Sc	1043117.00	A	13800.00	1.32	0.0000
47 Ti	144.00	P	13.13	9.12	1.0000
51 V	6453.95	P	66.08	1.02	1.0000
52 Cr	4377.15	P	115.20	2.63	1.0000
55 Mn	3109.71	P	55.45	1.78	1.0000
56 Fe	90713.68	P	649.60	0.72	1.0000
59 Co	5482.87	P	117.40	2.14	1.0000
60 Ni	1428.53	P	29.34	2.05	1.0000
63 Cu	4040.61	P	55.49	1.37	1.0000
65 Cu	1974.83	P	79.15	4.01	1.0000
66 Zn	2492.25	P	94.71	3.80	1.0000
72 Ge	80549.45	A	251.90	0.31	0.0000
72 Ge	64661.49	A	2749.00	4.25	0.0000
72 Ge	220155.70	A	3331.00	1.51	0.0000
75 As	607.68	P	11.05	1.82	1.0000
78 Se	199.00	P	8.21	4.13	1.0000
78 Se	146.67	P	4.04	2.76	1.0000
88 Sr	4391.95	P	60.51	1.38	1.0000
88 Sr	19492.73	P	341.50	1.75	1.0000
95 Mo	3972.92	P	131.80	3.32	1.0000
106 (Cd)	211.12	P	44.39	21.03	1.0000
107 Ag	5596.84	P	62.77	1.12	1.0000
108 (Cd)	173.34	P	40.42	23.32	1.0000
111 Cd	2323.50	P	29.31	1.26	1.0000
115 In	1030072.00	A	2007.00	0.19	0.0000
115 In	611067.81	A	3479.00	0.57	0.0000
115 In	1627007.00	A	6844.00	0.42	0.0000
118 Sn	4420.84	P	136.00	3.08	1.0000
118 Sn	2769.25	P	85.28	3.08	1.0000
118 Sn	6701.83	P	103.60	1.55	1.0000
121 Sb	8896.44	P	86.65	0.97	1.0000
137 Ba	3046.00	P	71.85	2.36	1.0000
159 Tb	2439265.00	A	4765.00	0.20	0.0000
165 Ho	2409721.00	A	5409.00	0.22	0.0000
205 Tl	23027.31	P	347.70	1.51	1.0000
206 (Pb)	8090.54	P	106.40	1.32	1.0000
207 (Pb)	6896.44	P	141.50	2.05	1.0000
208 Pb	32303.35	P	106.70	0.33	1.0000

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	546943.25	0.52	535705.94	102.1	70 -	120	
45 Sc	275270.25	0.55	277469.19	99.2	70 -	120	
45 Sc	109114.41	1.71	107568.42	101.4	70 -	120	
45 Sc	1043117.40	1.32	1040297.70	100.3	70 -	120	
72 Ge	80549.45	0.31	80174.67	100.5	70 -	120	
72 Ge	64661.48	4.25	64865.30	99.7	70 -	120	
72 Ge	220155.67	1.51	219085.67	100.5	70 -	120	
115 In	1030071.60	0.19	1033595.60	99.7	70 -	120	
115 In	611067.81	0.57	609098.25	100.3	70 -	120	
115 In	1627007.00	0.42	1638831.60	99.3	70 -	120	
159 Tb	2439264.80	0.20	2443833.50	99.8	70 -	120	
165 Ho	2409720.80	0.22	2396067.30	100.6	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\008CALS.D\008CALS.D#
Date Acquired: Jan 26 2012 11:16 am
Operator: NBS
Sample Name: 120126 Standard 3
Misc Info:
Vial Number: 1105
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:13 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean		SD	RSD(%)	Cal Coef
6 Li	536481.19	A	3876.00	0.72	0.0000
7 (Li)	39101.08	P	215.00	0.55	0.5973
9 Be	135760.80	P	767.50	0.57	1.0000
11 B	110951.40	P	240.90	0.22	0.9923
23 Na	761648.13	P	1284.00	0.17	0.9988
24 Mg	820669.63	P	3563.00	0.43	1.0000
27 Al	155483.70	P	505.60	0.33	1.0000
39 K	439739.31	P	383.40	0.09	0.9996
44 Ca	55098.75	P	350.40	0.64	0.9992
45 Sc	279103.50	A	1771.00	0.63	0.0000
45 Sc	108300.70	A	1468.00	1.36	0.0000
45 Sc	1024229.00	A	10820.00	1.06	0.0000
47 Ti	6274.75	P	30.04	0.48	1.0000
51 V	160741.91	P	368.60	0.23	0.9992
52 Cr	178404.41	P	342.50	0.19	1.0000
55 Mn	138671.70	P	761.30	0.55	1.0000
56 Fe	3213098.00	A	22730.00	0.71	1.0000
59 Co	260232.30	P	1482.00	0.57	1.0000
60 Ni	66005.89	P	172.80	0.26	1.0000
63 Cu	175321.91	P	526.80	0.30	1.0000
65 Cu	85287.88	P	113.50	0.13	0.9997
66 Zn	36596.32	P	185.80	0.51	0.4746
72 Ge	79277.92	A	621.10	0.78	0.0000
72 Ge	63798.69	A	1850.00	2.90	0.0000
72 Ge	216764.50	A	1811.00	0.84	0.0000
75 As	23886.50	P	165.90	0.69	1.0000
78 Se	9368.82	P	38.67	0.41	1.0000
78 Se	3665.59	P	33.77	0.92	1.0000
88 Sr	211141.50	P	912.40	0.43	1.0000
88 Sr	944792.19	P	9697.00	1.03	1.0000
95 Mo	189179.30	P	1270.00	0.67	1.0000
106 (Cd)	9949.39	P	82.27	0.83	0.9999
107 Ag	265897.00	P	1102.00	0.41	1.0000
108 (Cd)	7307.69	P	200.60	2.75	0.9997
111 Cd	111409.60	P	622.70	0.56	1.0000
115 In	1015661.00	A	9142.00	0.90	0.0000
115 In	605840.88	A	5111.00	0.84	0.0000
115 In	1586545.00	A	2696.00	0.17	0.0000
118 Sn	195697.50	P	657.80	0.34	0.9999
118 Sn	120164.80	P	1197.00	1.00	0.9999
118 Sn	296849.19	P	2285.00	0.77	1.0000
121 Sb	378200.50	P	3727.00	0.99	1.0000
137 Ba	149278.00	P	875.00	0.59	1.0000
159 Tb	2408067.00	A	17780.00	0.74	0.0000
165 Ho	2375667.00	A	14100.00	0.59	0.0000
205 Tl	1129416.00	M	6194.00	0.55	1.0000
206 (Pb)	382167.19	P	1148.00	0.30	1.0000
207 (Pb)	333830.31	P	1312.00	0.39	1.0000
208 Pb	1538524.00	P	2880.00	0.19	1.0000

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	536481.25	0.72	535705.94	100.1	70 -	120	
45 Sc	279103.56	0.63	277469.19	100.6	70 -	120	
45 Sc	108300.73	1.36	107568.42	100.7	70 -	120	
45 Sc	1024229.10	1.06	1040297.70	98.5	70 -	120	
72 Ge	79277.92	0.78	80174.67	98.9	70 -	120	
72 Ge	63798.69	2.90	64865.30	98.4	70 -	120	
72 Ge	216764.55	0.84	219085.67	98.9	70 -	120	
115 In	1015660.80	0.90	1033595.60	98.3	70 -	120	
115 In	605840.94	0.84	609098.25	99.5	70 -	120	
115 In	1586544.60	0.17	1638831.60	96.8	70 -	120	
159 Tb	2408067.30	0.74	2443833.50	98.5	70 -	120	
165 Ho	2375667.50	0.59	2396067.30	99.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\009CALS.D\009CALS.D#
Date Acquired: Jan 26 2012 11:23 am
Operator: NBS
Sample Name: 120126 Standard 4
Misc Info:
Vial Number: 1106
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:20 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean		SD	RSD(%)	Cal Coef
6 Li	528206.31	A	8825.00	1.67	0.0000
7 (Li)	38639.57	P	438.20	1.13	-0.9475
9 Be	267997.59	P	3451.00	1.29	1.0000
11 B	218370.59	P	2168.00	0.99	1.0000
23 Na	1363934.00	A	645.00	0.05	1.0000
24 Mg	1476349.00	A	19570.00	1.33	1.0000
27 Al	303985.81	P	1107.00	0.36	1.0000
39 K	839587.19	P	357.10	0.04	1.0000
44 Ca	108910.20	P	832.50	0.76	1.0000
45 Sc	273842.81	A	2111.00	0.77	0.0000
45 Sc	106874.30	A	609.00	0.57	0.0000
45 Sc	1012633.00	A	3746.00	0.37	0.0000
47 Ti	12629.54	P	83.73	0.66	1.0000
51 V	314138.50	P	1361.00	0.43	1.0000
52 Cr	353865.31	P	1809.00	0.51	1.0000
55 Mn	273715.50	P	2785.00	1.02	1.0000
56 Fe	6230466.00	A	53570.00	0.86	1.0000
59 Co	513320.31	P	2305.00	0.45	1.0000
60 Ni	130138.30	P	179.20	0.14	1.0000
63 Cu	344934.31	P	1865.00	0.54	1.0000
65 Cu	167416.41	P	774.80	0.46	1.0000
66 Zn	71391.08	P	107.60	0.15	0.9981
72 Ge	79914.24	A	1522.00	1.90	0.0000
72 Ge	65251.39	A	2225.00	3.41	0.0000
72 Ge	214832.91	A	3317.00	1.54	0.0000
75 As	46971.97	P	91.84	0.20	1.0000
78 Se	18454.54	P	141.30	0.77	1.0000
78 Se	7165.79	P	50.22	0.70	1.0000
88 Sr	424013.59	P	1523.00	0.36	1.0000
88 Sr	1785649.00	A	7037.00	0.39	1.0000
95 Mo	373864.31	P	2018.00	0.54	1.0000
106 (Cd)	19660.99	P	210.10	1.07	1.0000
107 Ag	526165.69	P	3810.00	0.72	1.0000
108 (Cd)	15066.31	P	142.50	0.95	1.0000
111 Cd	220133.80	P	2559.00	1.16	1.0000
115 In	1009379.00	A	7703.00	0.76	0.0000
115 In	601537.00	A	4692.00	0.78	0.0000
115 In	1580536.00	A	9617.00	0.61	0.0000
118 Sn	388447.69	P	2698.00	0.69	1.0000
118 Sn	237442.50	P	1258.00	0.53	1.0000
118 Sn	580378.69	P	1432.00	0.25	1.0000
121 Sb	742255.50	P	6558.00	0.88	1.0000
137 Ba	296957.91	P	1809.00	0.61	1.0000
159 Tb	2404565.00	A	11330.00	0.47	0.0000
165 Ho	2375287.00	A	3561.00	0.15	0.0000
205 Tl	2249351.00	A	31140.00	1.38	1.0000
206 (Pb)	757317.31	P	1626.00	0.21	1.0000
207 (Pb)	661044.19	P	1382.00	0.21	1.0000
208 Pb	3001216.00	A	2349.00	0.08	1.0000

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	528205.25	1.67	535705.94	98.6	70 -	120	
45 Sc	273842.81	0.77	277469.19	98.7	70 -	120	
45 Sc	106874.28	0.57	107568.42	99.4	70 -	120	
45 Sc	1012632.90	0.37	1040297.70	97.3	70 -	120	
72 Ge	79914.24	1.90	80174.67	99.7	70 -	120	
72 Ge	65251.39	3.41	64865.30	100.6	70 -	120	
72 Ge	214832.89	1.54	219085.67	98.1	70 -	120	
115 In	1009379.00	0.76	1033595.60	97.7	70 -	120	
115 In	601537.00	0.78	609098.25	98.8	70 -	120	
115 In	1580535.60	0.61	1638831.60	96.4	70 -	120	
159 Tb	2404564.80	0.47	2443833.50	98.4	70 -	120	
165 Ho	2375287.30	0.15	2396067.30	99.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Pass

QCS QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\010_QCS.D\010_QCS.D#
Date Acquired: Jan 26 2012 11:30 am
Operator: NBS
Sample Name: ICV 120126
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: QCS
Total Dil Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	Expected	QC Range(%)	Flag
7 (Li)	--------	ug/l	--------	100.00	90 - 110	
9 Be	101.10	ug/l	0.39	100.00	90 - 110	
11 B	101.20	ug/l	1.37	100.00	90 - 110	
23 Na	2474.00	ug/l	2.24	2500.00	90 - 110	
24 Mg	2648.00	ug/l	2.19	2500.00	90 - 110	
27 Al	2545.00	ug/l	2.31	2500.00	90 - 110	
39 K	2339.00	ug/l	2.29	2500.00	90 - 110	
44 Ca	2513.00	ug/l	2.28	2500.00	90 - 110	
47 Ti	98.61	ug/l	2.66	100.00	90 - 110	
51 V	101.40	ug/l	2.29	100.00	90 - 110	
52 Cr	104.70	ug/l	1.90	100.00	90 - 110	
55 Mn	104.50	ug/l	2.35	100.00	90 - 110	
56 Fe	2519.00	ug/l	2.80	2500.00	90 - 110	
59 Co	103.00	ug/l	2.39	100.00	90 - 110	
60 Ni	102.90	ug/l	2.40	100.00	90 - 110	
63 Cu	101.50	ug/l	2.18	100.00	90 - 110	
65 Cu	101.70	ug/l	2.29	100.00	90 - 110	
66 Zn	102.70	ug/l	2.77	100.00	90 - 110	
75 As	99.78	ug/l	2.02	100.00	90 - 110	
78 Se	102.20	ug/l	1.00	100.00	90 - 110	
78 Se	104.90	ug/l	2.81	100.00	90 - 110	
88 Sr	101.90	ug/l	1.82	100.00	90 - 110	
88 Sr	100.50	ug/l	0.81	100.00	90 - 110	
95 Mo	97.41	ug/l	0.68	100.00	90 - 110	
106 (Cd)	--------	ug/l	--------	100.00	90 - 110	
107 Ag	48.26	ug/l	0.59	50.00	90 - 110	
108 (Cd)	--------	ug/l	--------	100.00	90 - 110	
111 Cd	102.60	ug/l	1.21	100.00	90 - 110	
118 Sn	46.74	ug/l	1.90	50.00	90 - 110	
118 Sn	51.11	ug/l	4.86	50.00	90 - 110	
118 Sn	47.94	ug/l	3.36	50.00	90 - 110	
121 Sb	105.30	ug/l	0.37	100.00	90 - 110	
137 Ba	99.25	ug/l	1.28	100.00	90 - 110	
205 Tl	101.10	ug/l	0.33	100.00	90 - 110	
206 (Pb)	--------	ug/l	--------	100.00	90 - 110	
207 (Pb)	--------	ug/l	--------	100.00	90 - 110	
208 Pb	101.90	ug/l	0.76	100.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	546808.50	1.55	535705.94	102.1	70 - 120	
45 Sc	274063.81	1.05	277469.19	98.8	70 - 120	
45 Sc	107614.64	2.15	107568.42	100.0	70 - 120	
45 Sc	1034234.50	0.72	1040297.70	99.4	70 - 120	
72 Ge	78107.16	0.29	80174.67	97.4	70 - 120	
72 Ge	64890.20	4.33	64865.30	100.0	70 - 120	
72 Ge	218793.56	2.32	219085.67	99.9	70 - 120	
115 In	1008235.30	0.49	1033595.60	97.5	70 - 120	
115 In	594951.31	1.52	609098.25	97.7	70 - 120	
115 In	1591942.90	0.43	1638831.60	97.1	70 - 120	
159 Tb	2432235.00	0.66	2443833.50	99.5	70 - 120	
165 Ho	2402521.00	0.45	2396067.30	100.3	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\013_CCB.D\013_CCB.D#
Date Acquired: Jan 26 2012 11:50 am
Operator: NBS
Sample Name: ICB 120126
Misc Info:
Vial Number: 1102
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	--------	#######	
9 Be	0.00	ug/l	5376.10	0.12	
11 B	0.22	ug/l	15.43	15.00	
23 Na	-0.34	ug/l	302.11	77.10	
24 Mg	-0.03	ug/l	236.55	7.50	
27 Al	-0.19	ug/l	80.83	3.96	
39 K	-2.30	ug/l	30.50	19.20	
44 Ca	-10.52	ug/l	25.62	90.00	
47 Ti	0.02	ug/l	87.67	0.78	
51 V	0.14	ug/l	14.94	0.21	
52 Cr	0.00	ug/l	285.71	0.12	
55 Mn	-0.01	ug/l	43.19	0.18	
56 Fe	-0.40	ug/l	27.36	40.80	
59 Co	0.00	ug/l	72.46	0.09	
60 Ni	0.00	ug/l	123.07	0.48	
63 Cu	-0.01	ug/l	78.62	0.39	
65 Cu	-0.01	ug/l	64.41	0.39	
66 Zn	0.00	ug/l	788.88	6.90	
75 As	0.03	ug/l	57.32	0.27	
78 Se	0.01	ug/l	125.64	0.30	
78 Se	-0.01	ug/l	1556.00	0.30	
88 Sr	0.00	ug/l	71.80	0.03	
88 Sr	0.00	ug/l	59.95	0.03	
95 Mo	0.03	ug/l	12.00	0.21	
106 (Cd)	--------	ug/l	--------	#######	
107 Ag	0.00	ug/l	93.42	0.09	
108 (Cd)	--------	ug/l	--------	#######	
111 Cd	0.00	ug/l	582.52	0.06	
118 Sn	0.07	ug/l	9.14	#######	
118 Sn	0.07	ug/l	31.87	#######	
118 Sn	0.07	ug/l	2.58	0.30	
121 Sb	0.09	ug/l	10.39	0.03	Fail
137 Ba	0.00	ug/l	133.38	0.12	
205 Tl	0.01	ug/l	8.46	0.03	
206 (Pb)	--------	ug/l	--------	#######	
207 (Pb)	--------	ug/l	--------	#######	
208 Pb	-0.01	ug/l	10.08	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	544826.50	1.02	535705.94	101.7	70 - 120	
45 Sc	270645.38	1.16	277469.19	97.5	70 - 120	
45 Sc	108359.99	1.51	107568.42	100.7	70 - 120	
45 Sc	1025272.80	0.53	1040297.70	98.6	70 - 120	
72 Ge	81185.79	1.48	80174.67	101.3	70 - 120	
72 Ge	63602.82	2.45	64865.30	98.1	70 - 120	
72 Ge	217360.11	0.42	219085.67	99.2	70 - 120	
115 In	1022851.80	1.13	1033595.60	99.0	70 - 120	
115 In	611448.69	0.59	609098.25	100.4	70 - 120	
115 In	1581853.30	0.18	1638831.60	96.5	70 - 120	
159 Tb	2401830.80	0.22	2443833.50	98.3	70 - 120	
165 Ho	2375226.30	0.13	2396067.30	99.1	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\014_CCV.D\014_CCV.D#
Date Acquired: Jan 26 2012 11:57 am
Operator: NBS
Sample Name: CCV 120126
Misc Info:
Vial Number: 1105
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	Expected	QC Range(%)		Flag
7 (Li)	--------	ug/l	--------	50.00	90 -	110	
9 Be	50.13	ug/l	0.89	50.00	90 -	110	
11 B	50.84	ug/l	1.07	50.00	90 -	110	
23 Na	1348.00	ug/l	1.10	1250.00	90 -	110	
24 Mg	2718.00	ug/l	0.49	2500.00	90 -	110	
27 Al	1012.00	ug/l	0.16	1000.00	90 -	110	
39 K	1014.00	ug/l	1.12	1000.00	90 -	110	
44 Ca	2528.00	ug/l	0.95	2500.00	90 -	110	
47 Ti	49.13	ug/l	0.25	50.00	90 -	110	
51 V	50.25	ug/l	0.43	50.00	90 -	110	
52 Cr	50.43	ug/l	0.54	50.00	90 -	110	
55 Mn	50.40	ug/l	1.06	50.00	90 -	110	
56 Fe	1020.00	ug/l	0.84	1000.00	90 -	110	
59 Co	50.52	ug/l	0.55	50.00	90 -	110	
60 Ni	50.72	ug/l	0.51	50.00	90 -	110	
63 Cu	50.33	ug/l	0.33	50.00	90 -	110	
65 Cu	50.77	ug/l	0.53	50.00	90 -	110	
66 Zn	51.24	ug/l	0.70	50.00	90 -	110	
75 As	50.05	ug/l	0.39	50.00	90 -	110	
78 Se	50.43	ug/l	1.00	50.00	90 -	110	
78 Se	50.48	ug/l	1.88	50.00	90 -	110	
88 Sr	50.17	ug/l	0.77	50.00	90 -	110	
88 Sr	52.20	ug/l	1.09	50.00	90 -	110	
95 Mo	50.09	ug/l	0.76	50.00	90 -	110	
106 (Cd)	--------	ug/l	--------	50.00	90 -	110	
107 Ag	25.31	ug/l	0.62	25.00	90 -	110	
108 (Cd)	--------	ug/l	--------	50.00	90 -	110	
111 Cd	49.64	ug/l	0.55	50.00	90 -	110	
118 Sn	50.24	ug/l	0.84		--- ##### -	#####	
118 Sn	50.46	ug/l	0.98		--- ##### -	#####	
118 Sn	49.89	ug/l	0.58	50.00	90 -	110	
121 Sb	50.06	ug/l	0.38	50.00	90 -	110	
137 Ba	49.83	ug/l	0.74	50.00	90 -	110	
205 Tl	49.38	ug/l	2.37	50.00	90 -	110	
206 (Pb)	--------	ug/l	--------	50.00	90 -	110	
207 (Pb)	--------	ug/l	--------	50.00	90 -	110	
208 Pb	50.82	ug/l	0.86	50.00	90 -	110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	541607.75	0.40	535705.94	101.1	70 -	120	
45 Sc	274191.41	1.63	277469.19	98.8	70 -	120	
45 Sc	106264.55	0.64	107568.42	98.8	70 -	120	
45 Sc	1010003.00	0.85	1040297.70	97.1	70 -	120	
72 Ge	79012.95	1.11	80174.67	98.6	70 -	120	
72 Ge	65421.23	2.27	64865.30	100.9	70 -	120	
72 Ge	215137.47	0.37	219085.67	98.2	70 -	120	
115 In	1006389.90	1.92	1033595.60	97.4	70 -	120	
115 In	598366.38	0.90	609098.25	98.2	70 -	120	
115 In	1571799.40	0.34	1638831.60	95.9	70 -	120	
159 Tb	2410813.80	0.44	2443833.50	98.6	70 -	120	
165 Ho	2371980.00	0.47	2396067.30	99.0	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\015_CCB.D\015_CCB.D#
Date Acquired: Jan 26 2012 12:03 pm
Operator: NBS
Sample Name: CCB 120126
Misc Info:
Vial Number: 1102
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	########	
9 Be	0.00 ug/l	150.09	0.12	
11 B	0.29 ug/l	21.12	15.00	
23 Na	0.27 ug/l	593.62	77.10	
24 Mg	-0.18 ug/l	38.80	7.50	
27 Al	-0.12 ug/l	178.03	3.96	
39 K	-2.15 ug/l	90.09	19.20	
44 Ca	-10.57 ug/l	10.05	90.00	
47 Ti	0.02 ug/l	139.64	0.78	
51 V	0.11 ug/l	27.87	0.21	
52 Cr	0.00 ug/l	194.05	0.12	
55 Mn	-0.02 ug/l	10.86	0.18	
56 Fe	-0.28 ug/l	49.96	40.80	
59 Co	0.00 ug/l	73.86	0.09	
60 Ni	-0.01 ug/l	33.04	0.48	
63 Cu	-0.01 ug/l	62.37	0.39	
65 Cu	0.01 ug/l	225.94	0.39	
66 Zn	0.01 ug/l	555.71	6.90	
75 As	0.02 ug/l	121.14	0.27	
78 Se	0.05 ug/l	9.76	0.30	
78 Se	0.07 ug/l	98.04	0.30	
88 Sr	0.00 ug/l	156.84	0.03	
88 Sr	0.00 ug/l	12.92	0.03	
95 Mo	0.08 ug/l	19.64	0.21	
106 (Cd)	-------- ug/l	--------	########	
107 Ag	0.00 ug/l	198.86	0.09	
108 (Cd)	-------- ug/l	--------	########	
111 Cd	0.00 ug/l	122.48	0.06	
118 Sn	0.16 ug/l	2.36	########	
118 Sn	0.17 ug/l	17.15	########	
118 Sn	0.15 ug/l	11.67	0.30	
121 Sb	0.46 ug/l	8.19	0.03	Fail
137 Ba	0.00 ug/l	588.37	0.12	
205 Tl	0.02 ug/l	19.07	0.03	
206 (Pb)	-------- ug/l	--------	########	
207 (Pb)	-------- ug/l	--------	########	
208 Pb	-0.01 ug/l	10.40	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	545505.06	1.00	535705.94	101.8	70 - 120	
45 Sc	272193.38	0.33	277469.19	98.1	70 - 120	
45 Sc	106027.48	2.40	107568.42	98.6	70 - 120	
45 Sc	1013028.70	0.85	1040297.70	97.4	70 - 120	
72 Ge	78985.80	0.26	80174.67	98.5	70 - 120	
72 Ge	65012.49	0.92	64865.30	100.2	70 - 120	
72 Ge	215923.25	1.36	219085.67	98.6	70 - 120	
115 In	1013547.40	0.67	1033595.60	98.1	70 - 120	
115 In	605712.81	0.86	609098.25	99.4	70 - 120	
115 In	1592670.10	0.61	1638831.60	97.2	70 - 120	
159 Tb	2399283.00	0.84	2443833.50	98.2	70 - 120	
165 Ho	2362442.30	0.56	2396067.30	98.6	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\018SMPL.D\018SMPL.D#
Date Acquired: Jan 26 2012 12:23 pm
Operator: NBS
Sample Name: LDR 500ppb 120126
Misc Info:
Vial Number: 2101
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.00
Total Dil Factor: 1.00

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	461.70	ug/l	461.70	0.42	1000	
11 B	500.80	ug/l	500.80	0.50	1000	
23 Na	12140.00	ug/l	12140.00	2.03	25000	
24 Mg	24070.00	ug/l	24070.00	2.39	50000	
27 Al	9385.00	ug/l	9385.00	2.43	20000	
39 K	8985.00	ug/l	8985.00	1.58	20000	
44 Ca	24940.00	ug/l	24940.00	0.93	50000	
47 Ti	505.70	ug/l	505.70	0.97	1000	
51 V	449.80	ug/l	449.80	2.14	1000	
52 Cr	456.10	ug/l	456.10	1.85	1000	
55 Mn	468.60	ug/l	468.60	2.67	1000	
56 Fe	9800.00	ug/l	9800.00	2.37	20000	
59 Co	456.40	ug/l	456.40	1.84	1000	
60 Ni	481.00	ug/l	481.00	2.04	1000	
63 Cu	454.80	ug/l	454.80	2.33	1000	
65 Cu	485.60	ug/l	485.60	2.15	1000	
66 Zn	480.90	ug/l	480.90	0.21	1000	
75 As	502.80	ug/l	502.80	0.25	1000	
78 Se	488.90	ug/l	488.90	1.17	1000	
78 Se	483.90	ug/l	483.90	0.24	1000	
88 Sr	485.20	ug/l	485.20	0.94	1000	
88 Sr	503.90	ug/l	503.90	0.49	1000	
95 Mo	491.10	ug/l	491.10	0.55	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	########	
107 Ag	234.60	ug/l	234.60	0.79	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	########	
111 Cd	493.70	ug/l	493.70	2.81	1000	
118 Sn	483.60	ug/l	483.60	1.28	########	
118 Sn	492.60	ug/l	492.60	1.11	########	
118 Sn	488.10	ug/l	488.10	0.19	1000	
121 Sb	461.80	ug/l	461.80	0.75	1000	
137 Ba	507.80	ug/l	507.80	0.97	1000	
205 Tl	487.30	ug/l	487.30	0.63	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	########	
207 (Pb)	--------	ug/l	#VALUE!	--------	########	
208 Pb	482.70	ug/l	482.70	0.50	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	542900.50	1.48	535705.94	101.3	70 - 120	
45 Sc	267770.44	0.72	277469.19	96.5	70 - 120	
45 Sc	105448.87	1.60	107568.42	98.0	70 - 120	
45 Sc	1000816.50	0.14	1040297.70	96.2	70 - 120	
72 Ge	77633.86	2.96	80174.67	96.8	70 - 120	
72 Ge	64919.65	1.06	64865.30	100.1	70 - 120	
72 Ge	213553.45	1.23	219085.67	97.5	70 - 120	
115 In	976128.94	0.63	1033595.60	94.4	70 - 120	
115 In	582199.38	0.39	609098.25	95.6	70 - 120	
115 In	1506915.30	0.18	1638831.60	92.0	70 - 120	
159 Tb	2396248.50	0.26	2443833.50	98.1	70 - 120	
165 Ho	2363885.80	0.20	2396067.30	98.7	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\020SMPL.D\020SMPL.D#
Date Acquired: Jan 26 2012 12:36 pm
Operator: NBS
Sample Name: ICSA 120126
Misc Info:
Vial Number: 2102
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.00
Total Dil Factor: 1.00

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	0.20	ug/l	0.20	11.13	1000	
11 B	6.69	ug/l	6.69	1.86	1000	
23 Na	92730.00	ug/l	92730.00	2.02	25000	>Cal
24 Mg	90380.00	ug/l	90380.00	1.77	50000	>Cal
27 Al	89240.00	ug/l	89240.00	1.38	20000	>Cal
39 K	86590.00	ug/l	86590.00	1.90	20000	>Cal
44 Ca	87760.00	ug/l	87760.00	1.16	50000	>Cal
47 Ti	1986.00	ug/l	1986.00	1.88	1000	>Cal
51 V	0.54	ug/l	0.54	7.14	1000	
52 Cr	1.61	ug/l	1.61	5.50	1000	
55 Mn	5.94	ug/l	5.94	0.67	1000	
56 Fe	91780.00	ug/l	91780.00	1.56	20000	>Cal
59 Co	1.69	ug/l	1.69	1.58	1000	
60 Ni	2.12	ug/l	2.12	1.98	1000	
63 Cu	1.53	ug/l	1.53	4.69	1000	
65 Cu	1.63	ug/l	1.63	4.12	1000	
66 Zn	2.44	ug/l	2.44	3.75	1000	
75 As	0.76	ug/l	0.76	1.49	1000	
78 Se	0.39	ug/l	0.39	4.57	1000	
78 Se	0.51	ug/l	0.51	20.15	1000	
88 Sr	1.38	ug/l	1.38	2.07	1000	
88 Sr	1.42	ug/l	1.42	0.19	1000	
95 Mo	1789.00	ug/l	1789.00	1.14	1000	>Cal
106 (Cd)	--------	ug/l	#VALUE!	--------	########	
107 Ag	0.24	ug/l	0.24	7.10	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	########	
111 Cd	0.62	ug/l	0.62	6.62	1000	
118 Sn	2.25	ug/l	2.25	2.17	########	
118 Sn	2.49	ug/l	2.49	4.20	########	
118 Sn	2.42	ug/l	2.42	1.99	1000	
121 Sb	3.82	ug/l	3.82	3.64	1000	
137 Ba	2.89	ug/l	2.89	3.21	1000	
205 Tl	0.53	ug/l	0.53	0.82	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	########	
207 (Pb)	--------	ug/l	#VALUE!	--------	########	
208 Pb	0.98	ug/l	0.98	1.01	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	582795.81	1.51	535705.94	108.8	70 - 120	
45 Sc	266677.50	0.41	277469.19	96.1	70 - 120	
45 Sc	106555.87	1.53	107568.42	99.1	70 - 120	
45 Sc	1044362.00	0.94	1040297.70	100.4	70 - 120	
72 Ge	76132.47	2.94	80174.67	95.0	70 - 120	
72 Ge	69487.21	2.32	64865.30	107.1	70 - 120	
72 Ge	248430.66	0.58	219085.67	113.4	70 - 120	
115 In	930584.63	0.52	1033595.60	90.0	70 - 120	
115 In	569144.13	0.87	609098.25	93.4	70 - 120	
115 In	1510648.40	0.97	1638831.60	92.2	70 - 120	
159 Tb	2433213.50	0.14	2443833.50	99.6	70 - 120	
165 Ho	2407846.30	0.29	2396067.30	100.5	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

8 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

ICS-AB QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\021ICSB.D\021ICSB.D#
Date Acquired: Jan 26 2012 12:43 pm
Acq. Method: 62A0126A.M
Operator: NBS
Sample Name: ICSAB 120126
Misc Info:
Vial Number: 2103
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal. Update: Jan 26 2012 11:27 am
Sample Type: ICSAB
Dilution Factor: 1.00

Data Results:
Analytes: Pass
ISTD: Fail

QC Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
7 (Li)	---	3	---	---	---		-	
9 Be	45	3	238.90	0.17	250	95.6	80 - 120	
11 B	45	3	5.97	1.22	---		-	
23 Na	45	2	92880.00	0.67	---		-	
24 Mg	45	2	89670.00	0.41	---		-	
27 Al	45	2	86730.00	0.79	---		-	
39 K	45	2	85580.00	0.82	---		-	
44 Ca	45	2	86260.00	0.88	---		-	
47 Ti	45	2	1919.00	0.06	2000	96.0	80 - 120	
51 V	45	2	245.30	0.65	250	98.1	80 - 120	
52 Cr	45	2	243.90	1.03	250	97.6	80 - 120	
55 Mn	45	2	249.40	0.58	250	99.8	80 - 120	
56 Fe	45	2	89890.00	0.31	---		-	
59 Co	45	2	213.00	0.09	250	85.2	80 - 120	
60 Ni	45	2	432.90	0.76	500	86.6	80 - 120	
63 Cu	45	2	210.90	0.75	250	84.4	80 - 120	
65 Cu	45	2	212.20	0.34	250	84.9	80 - 120	
66 Zn	115	2	500.90	0.92	500	100.2	80 - 120	
75 As	115	2	229.20	0.94	250	91.7	80 - 120	
78 Se	115	1	218.20	0.92	250	87.3	80 - 120	
78 Se	115	2	215.40	0.85	250	86.2	80 - 120	
88 Sr	115	2	1.52	2.90	---		-	
88 Sr	115	3	1.61	0.67	---		-	
95 Mo	115	3	2028.00	0.64	2000	101.4	80 - 120	
106 (Cd)	---	3	---	---	---		-	
107 Ag	115	3	404.60	7.93	500	80.9	80 - 120	
108 (Cd)	---	3	---	---	---		-	
111 Cd	115	3	457.20	0.92	500	91.4	80 - 120	
118 Sn	115	1	2.39	1.81	---		-	
118 Sn	115	2	2.45	3.69	---		-	
118 Sn	115	3	2.49	1.41	---		-	
121 Sb	115	3	245.20	0.54	250	98.1	80 - 120	
137 Ba	115	3	255.20	1.28	250	102.1	80 - 120	
205 Tl	159	3	234.10	0.36	250	93.6	80 - 120	
206 (Pb)	---	3	---	---	---		-	
207 (Pb)	---	3	---	---	---		-	
208 Pb	159	3	454.00	0.71	500	90.8	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3	644012	0.97	535706	120.2	70 - 120	IS Fail
45 Sc	1	276584	0.97	277469	99.7	70 - 120	
45 Sc	2	111183	0.61	107568	103.4	70 - 120	
45 Sc	3	1070144	0.11	1040298	102.9	70 - 120	
72 Ge	1	77640	2.26	80175	96.8	70 - 120	
72 Ge	2	71822	3.75	64865	110.7	70 - 120	
72 Ge	3	248765	0.70	219086	113.5	70 - 120	
115 In	1	967459	1.22	1033596	93.6	70 - 120	
115 In	2	584788	0.98	609098	96.0	70 - 120	
115 In	3	1536659	0.44	1638832	93.8	70 - 120	
159 Tb	3	2491492	0.32	2443834	102.0	70 - 120	
165 Ho	3	2483918	0.67	2396067	103.7	70 - 120	

Tune File# 1 c:\icpchem\1\7500\h2.u
Tune File# 2 c:\icpchem\1\7500\he.u
Tune File# 3 c:\icpchem\1\7500\nogas.u

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\096_CCV.D\096_CCV.D#
Date Acquired: Jan 26 2012 09:22 pm
Operator: NBS
Sample Name: CCV 120126
Misc Info:
Vial Number: 1105
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	Expected	QC Range(%)		Flag
7 (Li)	--------	ug/l	--------	50.00	90 -	110	
9 Be	49.60	ug/l	1.55	50.00	90 -	110	
11 B	52.18	ug/l	2.33	50.00	90 -	110	
23 Na	1294.00	ug/l	4.71	1250.00	90 -	110	
24 Mg	2671.00	ug/l	1.19	2500.00	90 -	110	
27 Al	1000.00	ug/l	0.47	1000.00	90 -	110	
39 K	1043.00	ug/l	0.92	1000.00	90 -	110	
44 Ca	2500.00	ug/l	1.23	2500.00	90 -	110	
47 Ti	51.58	ug/l	0.89	50.00	90 -	110	
51 V	51.06	ug/l	0.66	50.00	90 -	110	
52 Cr	49.67	ug/l	1.42	50.00	90 -	110	
55 Mn	49.85	ug/l	0.56	50.00	90 -	110	
56 Fe	1031.00	ug/l	0.88	1000.00	90 -	110	
59 Co	49.20	ug/l	1.24	50.00	90 -	110	
60 Ni	48.53	ug/l	0.70	50.00	90 -	110	
63 Cu	48.70	ug/l	0.50	50.00	90 -	110	
65 Cu	48.92	ug/l	0.65	50.00	90 -	110	
66 Zn	48.91	ug/l	1.72	50.00	90 -	110	
75 As	49.39	ug/l	1.99	50.00	90 -	110	
78 Se	48.23	ug/l	0.48	50.00	90 -	110	
78 Se	49.11	ug/l	1.06	50.00	90 -	110	
88 Sr	50.31	ug/l	1.11	50.00	90 -	110	
88 Sr	50.98	ug/l	0.87	50.00	90 -	110	
95 Mo	47.96	ug/l	1.18	50.00	90 -	110	
106 (Cd)	--------	ug/l	--------	50.00	90 -	110	
107 Ag	23.93	ug/l	1.87	25.00	90 -	110	
108 (Cd)	--------	ug/l	--------	50.00	90 -	110	
111 Cd	48.30	ug/l	1.46	50.00	90 -	110	
118 Sn	49.38	ug/l	0.75	---	##### -	#####	
118 Sn	50.60	ug/l	0.62	---	##### -	#####	
118 Sn	49.09	ug/l	1.09	50.00	90 -	110	
121 Sb	50.21	ug/l	1.00	50.00	90 -	110	
137 Ba	49.79	ug/l	1.39	50.00	90 -	110	
205 Tl	48.78	ug/l	0.99	50.00	90 -	110	
206 (Pb)	--------	ug/l	--------	50.00	90 -	110	
207 (Pb)	--------	ug/l	--------	50.00	90 -	110	
208 Pb	48.83	ug/l	1.68	50.00	90 -	110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	754210.44	2.12	535705.94	140.8	70 -	120	IS Fail
45 Sc	311687.63	1.31	277469.19	112.3	70 -	120	
45 Sc	118855.37	1.45	107568.42	110.5	70 -	120	
45 Sc	1205418.90	1.90	1040297.70	115.9	70 -	120	
72 Ge	85840.53	2.74	80174.67	107.1	70 -	120	
72 Ge	70502.84	2.60	64865.30	108.7	70 -	120	
72 Ge	254867.59	1.92	219085.67	116.3	70 -	120	
115 In	1153869.50	0.85	1033595.60	111.6	70 -	120	
115 In	677732.31	1.68	609098.25	111.3	70 -	120	
115 In	1807540.10	0.84	1638831.60	110.3	70 -	120	
159 Tb	2717503.30	1.63	2443833.50	111.2	70 -	120	
165 Ho	2668307.80	1.76	2396067.30	111.4	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Fail

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\098_CCB.D\098_CCB.D#
Date Acquired: Jan 26 2012 09:36 pm
Operator: NBS
Sample Name: CCB 120126
Misc Info:
Vial Number: 1102
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	########	
9 Be	0.00 ug/l	86.72	0.12	
11 B	0.69 ug/l	8.02	15.00	
23 Na	2.73 ug/l	15.88	77.10	
24 Mg	-0.31 ug/l	41.33	7.50	
27 Al	0.65 ug/l	16.62	3.96	
39 K	10.33 ug/l	9.05	19.20	
44 Ca	-18.90 ug/l	5.73	90.00	
47 Ti	0.12 ug/l	34.08	0.78	
51 V	0.50 ug/l	15.20	0.21	Fail
52 Cr	-0.01 ug/l	142.41	0.12	
55 Mn	0.02 ug/l	97.75	0.18	
56 Fe	1.92 ug/l	4.44	40.80	
59 Co	0.00 ug/l	728.90	0.09	
60 Ni	-0.02 ug/l	15.16	0.48	
63 Cu	-0.01 ug/l	73.15	0.39	
65 Cu	0.01 ug/l	124.80	0.39	
66 Zn	0.05 ug/l	9.69	6.90	
75 As	0.12 ug/l	9.85	0.27	
78 Se	0.02 ug/l	44.26	0.30	
78 Se	0.20 ug/l	23.57	0.30	
88 Sr	0.01 ug/l	21.46	0.03	
88 Sr	0.02 ug/l	3.62	0.03	
95 Mo	0.03 ug/l	18.84	0.21	
106 (Cd)	-------- ug/l	--------	########	
107 Ag	0.00 ug/l	27.50	0.09	
108 (Cd)	-------- ug/l	--------	########	
111 Cd	0.00 ug/l	77.93	0.06	
118 Sn	0.16 ug/l	11.28	########	
118 Sn	0.13 ug/l	25.58	########	
118 Sn	0.14 ug/l	0.84	0.30	
121 Sb	0.10 ug/l	10.96	0.03	Fail
137 Ba	0.04 ug/l	11.84	0.12	
205 Tl	0.02 ug/l	4.89	0.03	
206 (Pb)	-------- ug/l	--------	########	
207 (Pb)	-------- ug/l	--------	########	
208 Pb	-0.01 ug/l	20.73	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	788569.88	0.38	535705.94	147.2	70 - 120	IS Fail
45 Sc	312006.06	1.60	277469.19	112.4	70 - 120	
45 Sc	122810.20	2.43	107568.42	114.2	70 - 120	
45 Sc	1257499.00	1.30	1040297.70	120.9	70 - 120	IS Fail
72 Ge	87957.86	0.42	80174.67	109.7	70 - 120	
72 Ge	75334.23	0.30	64865.30	116.1	70 - 120	
72 Ge	263441.13	0.66	219085.67	120.2	70 - 120	IS Fail
115 In	1201499.90	0.33	1033595.60	116.2	70 - 120	
115 In	719017.75	1.07	609098.25	118.0	70 - 120	
115 In	1901778.00	0.47	1638831.60	116.0	70 - 120	
159 Tb	2801528.00	0.11	2443833.50	114.6	70 - 120	
165 Ho	2764404.00	0.07	2396067.30	115.4	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
3 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\110_CCV.D\110_CCV.D#
Date Acquired: Jan 26 2012 10:56 pm
Operator: NBS
Sample Name: CCV 120126
Misc Info:
Vial Number: 1105
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	Expected	QC Range(%)		Flag
7 (Li)	--------	ug/l	--------	50.00	90 -	110	
9 Be	52.23	ug/l	0.53	50.00	90 -	110	
11 B	53.75	ug/l	0.29	50.00	90 -	110	
23 Na	1422.00	ug/l	2.07	1250.00	90 -	110	Fail
24 Mg	2756.00	ug/l	2.14	2500.00	90 -	110	Fail
27 Al	1019.00	ug/l	2.31	1000.00	90 -	110	
39 K	1040.00	ug/l	2.22	1000.00	90 -	110	
44 Ca	2489.00	ug/l	1.65	2500.00	90 -	110	
47 Ti	50.48	ug/l	2.41	50.00	90 -	110	
51 V	50.13	ug/l	1.85	50.00	90 -	110	
52 Cr	49.78	ug/l	1.87	50.00	90 -	110	
55 Mn	50.46	ug/l	2.15	50.00	90 -	110	
56 Fe	1034.00	ug/l	2.42	1000.00	90 -	110	
59 Co	48.85	ug/l	2.15	50.00	90 -	110	
60 Ni	47.82	ug/l	1.36	50.00	90 -	110	
63 Cu	48.24	ug/l	1.77	50.00	90 -	110	
65 Cu	48.23	ug/l	2.47	50.00	90 -	110	
66 Zn	47.02	ug/l	0.88	50.00	90 -	110	
75 As	46.56	ug/l	0.60	50.00	90 -	110	
78 Se	46.35	ug/l	0.28	50.00	90 -	110	
78 Se	46.57	ug/l	1.33	50.00	90 -	110	
88 Sr	48.80	ug/l	0.31	50.00	90 -	110	
88 Sr	50.71	ug/l	0.60	50.00	90 -	110	
95 Mo	46.96	ug/l	0.31	50.00	90 -	110	
106 (Cd)	--------	ug/l	--------	50.00	90 -	110	
107 Ag	23.43	ug/l	0.40	25.00	90 -	110	
108 (Cd)	--------	ug/l	--------	50.00	90 -	110	
111 Cd	48.62	ug/l	0.72	50.00	90 -	110	
118 Sn	49.59	ug/l	0.74	---	##### -	#####	
118 Sn	49.90	ug/l	0.37	---	##### -	#####	
118 Sn	49.72	ug/l	0.49	50.00	90 -	110	
121 Sb	50.83	ug/l	0.51	50.00	90 -	110	
137 Ba	49.87	ug/l	0.71	50.00	90 -	110	
205 Tl	49.65	ug/l	0.66	50.00	90 -	110	
206 (Pb)	--------	ug/l	--------	50.00	90 -	110	
207 (Pb)	--------	ug/l	--------	50.00	90 -	110	
208 Pb	49.48	ug/l	0.91	50.00	90 -	110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	795708.06	0.15	535705.94	148.5	70 -	120	IS Fail
45 Sc	284748.03	1.78	277469.19	102.6	70 -	120	
45 Sc	111215.88	2.01	107568.42	103.4	70 -	120	
45 Sc	1154814.50	0.69	1040297.70	111.0	70 -	120	
72 Ge	81164.27	2.06	80174.67	101.2	70 -	120	
72 Ge	69995.59	0.64	64865.30	107.9	70 -	120	
72 Ge	243309.38	0.61	219085.67	111.1	70 -	120	
115 In	1108528.30	0.93	1033595.60	107.2	70 -	120	
115 In	669332.38	0.76	609098.25	109.9	70 -	120	
115 In	1756616.50	0.50	1638831.60	107.2	70 -	120	
159 Tb	2694163.80	0.95	2443833.50	110.2	70 -	120	
165 Ho	2663160.30	0.42	2396067.30	111.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\112_CCB.D\112_CCB.D#
Date Acquired: Jan 26 2012 11:10 pm
Operator: NBS
Sample Name: CCB 120126
Misc Info:
Vial Number: 1102
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	########	
9 Be	0.00 ug/l	40.83	0.12	
11 B	-0.29 ug/l	17.93	15.00	
23 Na	21.11 ug/l	40.61	77.10	
24 Mg	0.56 ug/l	255.89	7.50	
27 Al	7.76 ug/l	121.69	3.96	Fail
39 K	7.29 ug/l	13.47	19.20	
44 Ca	-11.57 ug/l	84.68	90.00	
47 Ti	0.14 ug/l	171.55	0.78	
51 V	0.00 ug/l	862.44	0.21	
52 Cr	-0.03 ug/l	43.46	0.12	
55 Mn	0.16 ug/l	132.38	0.18	
56 Fe	10.67 ug/l	126.80	40.80	
59 Co	0.01 ug/l	116.84	0.09	
60 Ni	0.00 ug/l	1419.10	0.48	
63 Cu	0.01 ug/l	249.93	0.39	
65 Cu	0.02 ug/l	80.85	0.39	
66 Zn	0.07 ug/l	18.74	6.90	
75 As	0.02 ug/l	64.76	0.27	
78 Se	0.01 ug/l	42.79	0.30	
78 Se	0.28 ug/l	19.54	0.30	
88 Sr	0.17 ug/l	117.36	0.03	Fail
88 Sr	0.02 ug/l	4.10	0.03	
95 Mo	0.03 ug/l	19.16	0.21	
106 (Cd)	-------- ug/l	--------	########	
107 Ag	0.00 ug/l	67.42	0.09	
108 (Cd)	-------- ug/l	--------	########	
111 Cd	0.00 ug/l	2155.30	0.06	
118 Sn	0.15 ug/l	10.12	########	
118 Sn	0.14 ug/l	13.54	########	
118 Sn	0.15 ug/l	9.11	0.30	
121 Sb	0.05 ug/l	16.34	0.03	Fail
137 Ba	0.03 ug/l	32.10	0.12	
205 Tl	0.02 ug/l	7.03	0.03	
206 (Pb)	-------- ug/l	--------	########	
207 (Pb)	-------- ug/l	--------	########	
208 Pb	-0.01 ug/l	8.51	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	813118.31	1.30	535705.94	151.8	70 - 120	IS Fail
45 Sc	291270.47	0.73	277469.19	105.0	70 - 120	
45 Sc	116490.70	1.20	107568.42	108.3	70 - 120	
45 Sc	1183341.40	1.44	1040297.70	113.8	70 - 120	
72 Ge	81306.93	1.16	80174.67	101.4	70 - 120	
72 Ge	71665.68	0.48	64865.30	110.5	70 - 120	
72 Ge	246923.58	1.54	219085.67	112.7	70 - 120	
115 In	1147589.30	0.96	1033595.60	111.0	70 - 120	
115 In	682515.19	0.95	609098.25	112.1	70 - 120	
115 In	1822778.40	0.99	1638831.60	111.2	70 - 120	
159 Tb	2727981.80	0.59	2443833.50	111.6	70 - 120	
165 Ho	2691694.30	0.70	2396067.30	112.3	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

3 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\116_CCV.D\116_CCV.D#
Date Acquired: Jan 26 2012 11:36 pm
Operator: NBS
Sample Name: CCV 120126
Misc Info:
Vial Number: 1105
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	Expected	QC Range(%)	Flag
7 (Li)	--------	ug/l	--------	50.00	90 - 110	
9 Be	52.68	ug/l	0.74	50.00	90 - 110	
11 B	55.48	ug/l	4.77	50.00	90 - 110	Fail
23 Na	1423.00	ug/l	3.48	1250.00	90 - 110	Fail
24 Mg	2748.00	ug/l	3.02	2500.00	90 - 110	
27 Al	1013.00	ug/l	3.23	1000.00	90 - 110	
39 K	1031.00	ug/l	2.89	1000.00	90 - 110	
44 Ca	2470.00	ug/l	2.05	2500.00	90 - 110	
47 Ti	48.88	ug/l	4.00	50.00	90 - 110	
51 V	50.00	ug/l	2.76	50.00	90 - 110	
52 Cr	49.16	ug/l	2.87	50.00	90 - 110	
55 Mn	50.03	ug/l	2.56	50.00	90 - 110	
56 Fe	1023.00	ug/l	3.19	1000.00	90 - 110	
59 Co	48.54	ug/l	2.82	50.00	90 - 110	
60 Ni	47.42	ug/l	3.27	50.00	90 - 110	
63 Cu	47.40	ug/l	2.46	50.00	90 - 110	
65 Cu	48.00	ug/l	2.83	50.00	90 - 110	
66 Zn	46.64	ug/l	1.01	50.00	90 - 110	
75 As	45.99	ug/l	0.92	50.00	90 - 110	
78 Se	46.09	ug/l	1.53	50.00	90 - 110	
78 Se	45.55	ug/l	2.32	50.00	90 - 110	
88 Sr	48.49	ug/l	0.13	50.00	90 - 110	
88 Sr	50.62	ug/l	1.40	50.00	90 - 110	
95 Mo	46.88	ug/l	0.59	50.00	90 - 110	
106 (Cd)	--------	ug/l	--------	50.00	90 - 110	
107 Ag	23.50	ug/l	0.69	25.00	90 - 110	
108 (Cd)	--------	ug/l	--------	50.00	90 - 110	
111 Cd	48.40	ug/l	0.81	50.00	90 - 110	
118 Sn	49.32	ug/l	1.29	---	##### - #####	
118 Sn	49.72	ug/l	0.55	---	##### - #####	
118 Sn	49.63	ug/l	0.20	50.00	90 - 110	
121 Sb	51.22	ug/l	0.70	50.00	90 - 110	
137 Ba	49.93	ug/l	0.41	50.00	90 - 110	
205 Tl	49.88	ug/l	0.61	50.00	90 - 110	
206 (Pb)	--------	ug/l	--------	50.00	90 - 110	
207 (Pb)	--------	ug/l	--------	50.00	90 - 110	
208 Pb	49.57	ug/l	0.62	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	776849.50	0.86	535705.94	145.0	70 - 120	IS Fail
45 Sc	279018.25	1.20	277469.19	100.6	70 - 120	
45 Sc	109416.77	2.69	107568.42	101.7	70 - 120	
45 Sc	1126211.40	0.57	1040297.70	108.3	70 - 120	
72 Ge	79283.58	3.17	80174.67	98.9	70 - 120	
72 Ge	67203.42	1.08	64865.30	103.6	70 - 120	
72 Ge	234227.48	1.34	219085.67	106.9	70 - 120	
115 In	1093233.80	0.52	1033595.60	105.8	70 - 120	
115 In	658093.81	0.73	609098.25	108.0	70 - 120	
115 In	1709046.90	0.58	1638831.60	104.3	70 - 120	
159 Tb	2616737.50	0.79	2443833.50	107.1	70 - 120	
165 Ho	2569326.50	0.35	2396067.30	107.2	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\118_CCB.D\118_CCB.D#
Date Acquired: Jan 26 2012 11:50 pm
Operator: NBS
Sample Name: CCB 120126
Misc Info:
Vial Number: 1102
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	########	
9 Be	0.00 ug/l	48.72	0.12	
11 B	-0.18 ug/l	24.66	15.00	
23 Na	20.25 ug/l	4.55	77.10	
24 Mg	0.21 ug/l	110.78	7.50	
27 Al	4.20 ug/l	14.72	3.96	Fail
39 K	7.04 ug/l	13.18	19.20	
44 Ca	-14.62 ug/l	10.39	90.00	
47 Ti	0.08 ug/l	85.49	0.78	
51 V	0.09 ug/l	20.14	0.21	
52 Cr	-0.02 ug/l	52.31	0.12	
55 Mn	0.08 ug/l	30.89	0.18	
56 Fe	5.71 ug/l	25.99	40.80	
59 Co	0.00 ug/l	84.05	0.09	
60 Ni	-0.02 ug/l	31.00	0.48	
63 Cu	0.00 ug/l	209.76	0.39	
65 Cu	0.01 ug/l	194.62	0.39	
66 Zn	0.06 ug/l	50.59	6.90	
75 As	0.04 ug/l	54.77	0.27	
78 Se	0.01 ug/l	46.80	0.30	
78 Se	0.21 ug/l	11.38	0.30	
88 Sr	0.11 ug/l	20.14	0.03	Fail
88 Sr	0.03 ug/l	17.52	0.03	
95 Mo	0.03 ug/l	21.64	0.21	
106 (Cd)	-------- ug/l	--------	########	
107 Ag	0.00 ug/l	51.70	0.09	
108 (Cd)	-------- ug/l	--------	########	
111 Cd	0.00 ug/l	86.09	0.06	
118 Sn	0.16 ug/l	14.58	########	
118 Sn	0.14 ug/l	3.14	########	
118 Sn	0.17 ug/l	2.48	0.30	
121 Sb	0.05 ug/l	11.61	0.03	Fail
137 Ba	0.04 ug/l	23.36	0.12	
205 Tl	0.02 ug/l	12.27	0.03	
206 (Pb)	-------- ug/l	--------	########	
207 (Pb)	-------- ug/l	--------	########	
208 Pb	-0.01 ug/l	15.97	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	800596.50	0.46	535705.94	149.4	70 - 120	IS Fail
45 Sc	285561.72	2.93	277469.19	102.9	70 - 120	
45 Sc	113274.17	0.37	107568.42	105.3	70 - 120	
45 Sc	1153340.90	0.25	1040297.70	110.9	70 - 120	
72 Ge	79406.99	2.40	80174.67	99.0	70 - 120	
72 Ge	70326.21	0.41	64865.30	108.4	70 - 120	
72 Ge	240058.66	0.36	219085.67	109.6	70 - 120	
115 In	1125927.40	0.90	1033595.60	108.9	70 - 120	
115 In	675229.50	1.03	609098.25	110.9	70 - 120	
115 In	1764308.40	0.34	1638831.60	107.7	70 - 120	
159 Tb	2697979.00	0.86	2443833.50	110.4	70 - 120	
165 Ho	2634656.00	0.44	2396067.30	110.0	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

3 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

METALS
Raw Data

APPL, INC.

METALS BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	LOQ	LOD	DL	Units	Prep Date	Analysis Date	QC Group
6020	LEAD (PB) (DISSOL	0.22 U	0.5	0.22	0.11	ug/L	01/26/12	01/26/12	#602D-120126A-AY53668

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\099SMPL.D\099SMPL.D#
Date Acquired: Jan 26 2012 09:43 pm
Operator: NBS
Sample Name: 120126A-3015-BLK
Misc Info: 120126A-3015
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.	Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	#VALUE!	--------	0	
9 Be	0.00 ug/l	0.00	87.23	1000	
11 B	0.92 ug/l	1.02	6.18	1000	
23 Na	2.33 ug/l	2.59	174.23	25000	
24 Mg	4.52 ug/l	5.02	58.61	50000	
27 Al	27.46 ug/l	30.51	68.39	20000	
39 K	15.72 ug/l	17.46	18.93	20000	
44 Ca	-12.88 ug/l	-14.31	26.06	50000	
47 Ti	1.24 ug/l	1.38	25.82	1000	
51 V	-0.24 ug/l	-0.27	31.21	1000	
52 Cr	0.53 ug/l	0.59	8.19	1000	
55 Mn	0.70 ug/l	0.77	72.60	1000	
56 Fe	48.63 ug/l	54.03	65.31	20000	
59 Co	0.03 ug/l	0.03	69.22	1000	
60 Ni	0.02 ug/l	0.02	66.38	1000	
63 Cu	0.00 ug/l	0.00	1745.00	1000	
65 Cu	0.01 ug/l	0.01	251.75	1000	
66 Zn	-0.02 ug/l	-0.02	244.11	1000	
75 As	-0.12 ug/l	-0.13	16.11	1000	
78 Se	0.01 ug/l	0.01	66.12	1000	
78 Se	0.33 ug/l	0.37	30.95	1000	
88 Sr	0.10 ug/l	0.11	60.83	1000	
88 Sr	0.03 ug/l	0.03	63.47	1000	
95 Mo	0.04 ug/l	0.04	13.95	1000	
106 (Cd)	-------- ug/l	#VALUE!	--------	########	
107 Ag	0.00 ug/l	0.00	69.25	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	########	
111 Cd	0.01 ug/l	0.02	13.64	1000	
118 Sn	-0.04 ug/l	-0.04	23.76	########	
118 Sn	-0.02 ug/l	-0.02	68.55	########	
118 Sn	-0.01 ug/l	-0.01	38.52	1000	
121 Sb	0.02 ug/l	0.02	51.66	1000	
137 Ba	0.04 ug/l	0.04	57.84	1000	
205 Tl	0.03 ug/l	0.03	5.22	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	########	
207 (Pb)	-------- ug/l	#VALUE!	--------	########	
208 Pb	0.00 ug/l	0.00	169.64	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	698721.94	0.98	535705.94	130.4	70 - 120	IS Fai
45 Sc	300186.72	0.72	277469.19	108.2	70 - 120	
45 Sc	116343.01	2.04	107568.42	108.2	70 - 120	
45 Sc	1210269.90	0.94	1040297.70	116.3	70 - 120	
72 Ge	81408.84	2.80	80174.67	101.5	70 - 120	
72 Ge	70389.62	1.26	64865.30	108.5	70 - 120	
72 Ge	245193.48	1.16	219085.67	111.9	70 - 120	
115 In	1128821.90	0.71	1033595.60	109.2	70 - 120	
115 In	686074.06	0.30	609098.25	112.6	70 - 120	
115 In	1836978.60	0.79	1638831.60	112.1	70 - 120	
159 Tb	2693650.50	0.70	2443833.50	110.2	70 - 120	
165 Ho	2661444.00	0.44	2396067.30	111.1	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Fail

Laboratory Control Spike Recovery

METALS

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level ug/L	SPK Result ug/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
6020	LEAD (PB) (DISSOLVED)	50.0	51.1	102	80-120	01/26/12	01/26/12	#602D-120126A-AY53668

Comments:

Printed: 02/07/12 12:53:13 PM
APPL Standard LCS

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\101SMPL.D\101SMPL.D#
Date Acquired: Jan 26 2012 09:56 pm
Operator: NBS
Sample Name: 120126A-3015-LCS
Misc Info: 120126A-3015
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	7.95	ug/l	8.83	1.92	1000	
11 B	44.22	ug/l	49.13	0.28	1000	
23 Na	4404.00	ug/l	4892.84	1.45	25000	
24 Mg	4450.00	ug/l	4943.95	1.12	50000	
27 Al	387.20	ug/l	430.18	1.96	20000	
39 K	959.80	ug/l	1066.34	1.11	20000	
44 Ca	4629.00	ug/l	5142.82	0.75	50000	
47 Ti	44.12	ug/l	49.02	0.16	1000	
51 V	46.31	ug/l	51.45	0.58	1000	
52 Cr	48.58	ug/l	53.97	1.48	1000	
55 Mn	47.83	ug/l	53.14	0.56	1000	
56 Fe	217.40	ug/l	241.53	4.39	20000	
59 Co	45.39	ug/l	50.43	1.50	1000	
60 Ni	43.98	ug/l	48.86	0.36	1000	
63 Cu	42.58	ug/l	47.31	0.94	1000	
65 Cu	42.60	ug/l	47.33	0.81	1000	
66 Zn	70.60	ug/l	78.44	1.68	1000	
75 As	36.00	ug/l	40.00	1.53	1000	
78 Se	30.59	ug/l	33.99	1.94	1000	
78 Se	30.51	ug/l	33.90	0.37	1000	
88 Sr	46.80	ug/l	51.99	1.19	1000	
88 Sr	48.85	ug/l	54.27	2.04	1000	
95 Mo	42.70	ug/l	47.44	0.82	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	########	
107 Ag	10.74	ug/l	11.93	0.67	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	########	
111 Cd	8.09	ug/l	8.98	1.11	1000	
118 Sn	46.69	ug/l	51.87	1.10	########	
118 Sn	47.08	ug/l	52.31	1.14	########	
118 Sn	47.21	ug/l	52.45	0.30	1000	
121 Sb	40.53	ug/l	45.03	0.94	1000	
137 Ba	45.53	ug/l	50.58	1.47	1000	
205 Tl	45.89	ug/l	50.98	1.10	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	########	
207 (Pb)	--------	ug/l	#VALUE!	--------	########	
208 Pb	46.02	ug/l	51.13	0.59	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	669700.88	0.13	535705.94	125.0	70 - 120	IS Fai
45 Sc	296546.31	0.85	277469.19	106.9	70 - 120	
45 Sc	118026.62	0.71	107568.42	109.7	70 - 120	
45 Sc	1154524.30	0.48	1040297.70	111.0	70 - 120	
72 Ge	82230.87	0.57	80174.67	102.6	70 - 120	
72 Ge	68991.27	0.72	64865.30	106.4	70 - 120	
72 Ge	237802.06	0.91	219085.67	108.5	70 - 120	
115 In	1098125.60	1.30	1033595.60	106.2	70 - 120	
115 In	672069.88	1.22	609098.25	110.3	70 - 120	
115 In	1770239.90	0.48	1638831.60	108.0	70 - 120	
159 Tb	2640525.00	1.03	2443833.50	108.0	70 - 120	
165 Ho	2607766.50	1.18	2396067.30	108.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
1 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Fail

Matrix Spike Recoveries

METALS

APPL ID: **120126W-53668 MS - 163685**

Sample ID: AY53668

Client ID: ES059

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Lvl ug/L	Matrix Res ug/L	SPK Res ug/L	DUP Res ug/L	SPK % Recovery	DUP % Recovery	RPD	RPD Max	Recovery Limits	Extract Date-Spk	Analysis Date-Spk	Extract Date-Dup	Analysis Date-Dup	QC Group	QC Sample
6020	LEAD (PB) (DISSOLVE	50.0	0.11	47.7	47.2	95.2	94.2	1.1	20	80-120	01/26/12	01/26/12	01/26/12	01/26/12	163685	AY53668

Comments: _____

Printed: 02/07/12 12:53:08 PM
APPL MSD SCII

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26k00.B\107SMPL.D\107SMPL.D#
Date Acquired: Jan 26 2012 10:36 pm
Operator: NBS
Sample Name: AY53668W08 MS
Misc Info: 120126A-3015
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	7.67	ug/l	8.52	1.75	1000	
11 B	65.97	ug/l	73.29	0.79	1000	
23 Na	208300.00	ug/l	231421.30	1.37	25000	>Cal
24 Mg	5825.00	ug/l	6471.58	1.23	50000	
27 Al	388.60	ug/l	431.73	1.33	20000	
39 K	6815.00	ug/l	7571.47	1.69	20000	
44 Ca	273000.00	ug/l	303303.00	1.77	50000	>Cal
47 Ti	44.89	ug/l	49.87	2.00	1000	
51 V	46.55	ug/l	51.72	1.55	1000	
52 Cr	75.47	ug/l	83.85	1.20	1000	
55 Mn	46.51	ug/l	51.67	1.16	1000	
56 Fe	211.20	ug/l	234.64	2.00	20000	
59 Co	48.90	ug/l	54.33	1.40	1000	
60 Ni	61.24	ug/l	68.04	1.71	1000	
63 Cu	39.90	ug/l	44.33	1.31	1000	
65 Cu	40.44	ug/l	44.93	0.82	1000	
66 Zn	71.23	ug/l	79.14	1.03	1000	
75 As	38.03	ug/l	42.25	1.25	1000	
78 Se	32.27	ug/l	35.85	0.92	1000	
78 Se	32.40	ug/l	36.00	1.49	1000	
88 Sr	6319.00	ug/l	7020.41	0.45	1000	>Cal
88 Sr	6775.00	ug/l	7527.03	0.65	1000	>Cal
95 Mo	44.82	ug/l	49.80	0.78	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	########	
107 Ag	9.70	ug/l	10.77	0.85	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	########	
111 Cd	7.77	ug/l	8.64	1.40	1000	
118 Sn	47.00	ug/l	52.22	0.91	########	
118 Sn	47.77	ug/l	53.07	1.31	########	
118 Sn	48.01	ug/l	53.34	0.26	1000	
121 Sb	42.52	ug/l	47.24	0.93	1000	
137 Ba	311.20	ug/l	345.74	1.60	1000	
205 Tl	42.49	ug/l	47.21	0.30	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	########	
207 (Pb)	--------	ug/l	#VALUE!	--------	########	
208 Pb	42.96	ug/l	47.73	0.51	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	637622.25	0.75	535705.94	119.0	70 - 120	
45 Sc	283489.38	1.06	277469.19	102.2	70 - 120	
45 Sc	111003.93	0.97	107568.42	103.2	70 - 120	
45 Sc	1140898.60	1.08	1040297.70	109.7	70 - 120	
72 Ge	74925.48	3.83	80174.67	93.5	70 - 120	
72 Ge	65111.00	3.46	64865.30	100.4	70 - 120	
72 Ge	219247.61	1.39	219085.67	100.1	70 - 120	
115 In	979544.13	0.14	1033595.60	94.8	70 - 120	
115 In	604692.56	1.56	609098.25	99.3	70 - 120	
115 In	1645681.50	0.99	1638831.60	100.4	70 - 120	
159 Tb	2575128.80	0.29	2443833.50	105.4	70 - 120	
165 Ho	2535773.80	0.32	2396067.30	105.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\12A26k00.B\005CALB.D\005CALB.D#

4 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\12A26K00.B\108SMPL.D\108SMPL.D#
Date Acquired: Jan 26 2012 10:43 pm
Operator: NBS
Sample Name: AY53668W08 MSD
Misc Info: 120126A-3015
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\62A0126A.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126A.C
Last Cal Update: Jan 26 2012 11:27 am
Sample Type: Sample
Prep Dil Factor: 1.11
Total Dil Factor: 1.11

QC Elements

Element	Conc.		Corr. Conc.	RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	#VALUE!	--------	0	
9 Be	7.43	ug/l	8.26	2.13	1000	
11 B	65.21	ug/l	72.45	0.95	1000	
23 Na	206300.00	ug/l	229199.30	2.68	25000	>Cal
24 Mg	5742.00	ug/l	6379.36	3.38	50000	
27 Al	382.70	ug/l	425.18	2.67	20000	
39 K	6699.00	ug/l	7442.59	2.82	20000	
44 Ca	269400.00	ug/l	299303.40	3.10	50000	>Cal
47 Ti	43.93	ug/l	48.81	4.88	1000	
51 V	45.51	ug/l	50.56	2.83	1000	
52 Cr	74.49	ug/l	82.76	2.56	1000	
55 Mn	45.68	ug/l	50.75	3.82	1000	
56 Fe	232.50	ug/l	258.31	2.65	20000	
59 Co	47.84	ug/l	53.15	3.22	1000	
60 Ni	59.93	ug/l	66.58	2.72	1000	
63 Cu	39.34	ug/l	43.71	3.04	1000	
65 Cu	39.67	ug/l	44.07	2.59	1000	
66 Zn	74.94	ug/l	83.26	1.12	1000	
75 As	37.37	ug/l	41.52	1.63	1000	
78 Se	32.35	ug/l	35.94	0.78	1000	
78 Se	32.20	ug/l	35.77	0.25	1000	
88 Sr	6315.00	ug/l	7015.97	1.07	1000	>Cal
88 Sr	6690.00	ug/l	7432.59	1.33	1000	>Cal
95 Mo	43.77	ug/l	48.63	0.83	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	9.48	ug/l	10.53	0.49	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	7.62	ug/l	8.46	0.90	1000	
118 Sn	47.02	ug/l	52.24	0.61	#######	
118 Sn	47.46	ug/l	52.73	1.24	#######	
118 Sn	47.09	ug/l	52.32	1.53	1000	
121 Sb	41.73	ug/l	46.36	1.12	1000	
137 Ba	309.00	ug/l	343.30	0.20	1000	
205 Tl	42.27	ug/l	46.96	0.85	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	42.56	ug/l	47.28	1.05	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	637628.25	0.66	535705.94	119.0	70 - 120	
45 Sc	276411.44	1.15	277469.19	99.6	70 - 120	
45 Sc	112496.66	3.79	107568.42	104.6	70 - 120	
45 Sc	1139828.90	1.24	1040297.70	109.6	70 - 120	
72 Ge	76720.13	0.99	80174.67	95.7	70 - 120	
72 Ge	64321.81	1.56	64865.30	99.2	70 - 120	
72 Ge	221527.98	0.59	219085.67	101.1	70 - 120	
115 In	971104.94	0.18	1033595.60	94.0	70 - 120	
115 In	606904.81	0.60	609098.25	99.6	70 - 120	
115 In	1669609.30	0.63	1638831.60	101.9	70 - 120	
159 Tb	2583387.80	1.11	2443833.50	105.7	70 - 120	
165 Ho	2552965.30	1.16	2396067.30	106.5	70 - 120	

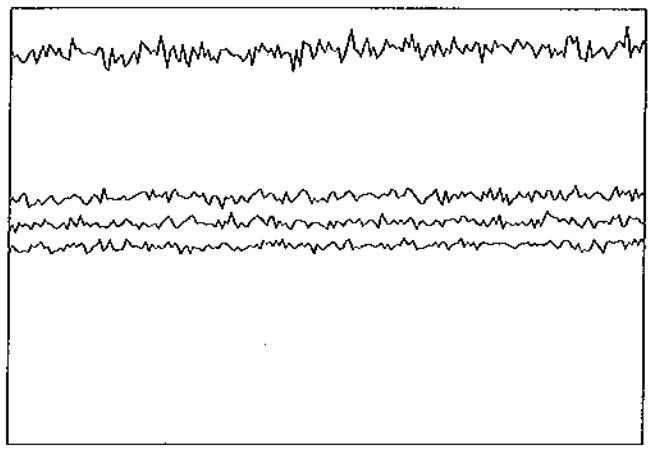
ISTD Ref File : C:\ICPCHEM\1\DATA\12A26K00.B\005CALB.D\005CALB.D#

4 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

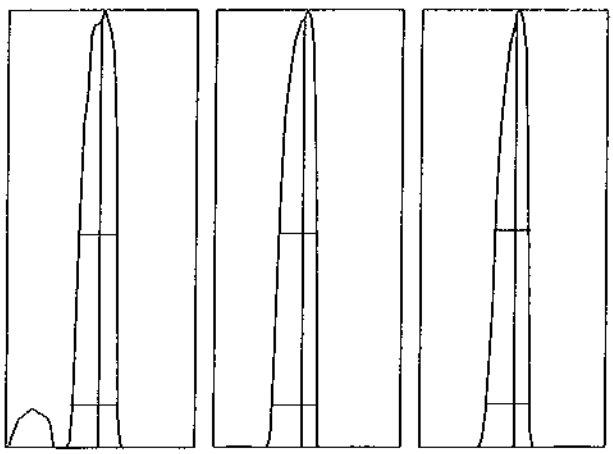
Tune Report

Tune File : nogas.u
Comment : 120126



Integration Time:	0.1000 sec	
Sampling Period:	0.6200 sec	
n:	200	
Oxide:	156/140	1.099%
Doubly Charged:	70/140	1.291%

m/z	Range	Count	Mean	RSD%	Background
7	10,000	9176.0	9020.2	2.00	0.90
89	50,000	25476.0	25398.7	1.74	0.70
205	50,000	23091.0	22755.5	1.80	1.40
156/140	2	1.176%	1.129%	7.15	
70/140	2	1.342%	1.284%	5.67	
140	50,000	28323.0	28379.4	1.80	0.80



m/z:	7	89	205
Height:	9,006	25,353	24,038
Axis:	7.00	88.95	205.05
W-50%:	0.65	0.65	0.60
W-10%:	0.7500	0.7500	0.700

Integration Time: 0.1000 sec
Acquisition Time: 22.7600 sec

Y axis : Linear

Generated : Jan 26, 2012 09:53:57
Printed : Jan 26, 2012 09:53:59

Tune Report

Tune File : nogas.u
Comment : 120126

Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	:	1600 W	Extract 1	:	0 V	AMU Gain	:	126
RF Matching	:	1.78 V	Extract 2	:	-134.5 V	AMU Offset	:	127
Smpl Depth	:	8 mm	Omega Bias-ce	:	-20 V	Axis Gain	:	1.0003
Torch-H	:	0 mm	Omega Lens-ce	:	0.6 V	Axis Offset	:	-0.03
Torch-V	:	-0.2 mm	Cell Entrance	:	-30 V	QP Bias	:	-3 V
Carrier Gas	:	1.03 L/min	QP Focus	:	5 V			
Makeup Gas	:	0.1 L/min	Cell Exit	:	-30 V	===Detector Parameters===		
Optional Gas	:	--- %				Discriminator	:	8 mV
Nebulizer Pump	:	0.1 rps	===Octopole Parameters===			Analog HV	:	1660 V
Sample Pump	:	--- rps	OctP RF	:	180 V	Pulse HV	:	1130 V
S/C Temp	:	2 degC	OctP Bias	:	-6 V			

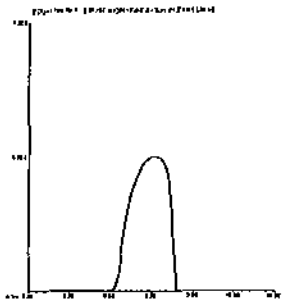
===Reaction Cell===								
Reaction Mode	:	OFF						
H2 Gas	:	0 mL/min	He Gas	:	0 mL/min	Optional Gas	:	--- %

200.8 QC Tune Report

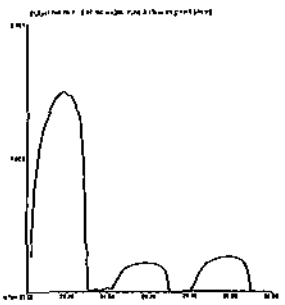
Data File: C:\ICPCHEM\1\DATA\12A26k00.B\001TUNE.D
Date Acquired: Jan 26 2012 10:30 am
Acq. Method: TN200_8.M
Operator: NBS
Sample Name: 100ppb Tune sol
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\TN200_8.M

RSD (%)

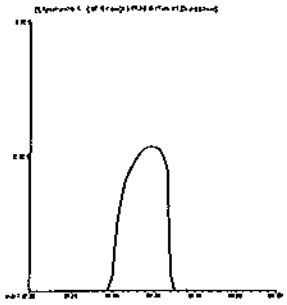
Element	CPS Mean	Rep1	Rep2	Rep3	Rep4	Rep5	%RSD	Required	Flag
9 Be	271078	268745	270589	271195	272483	272378	**0.91**	5.00	
24 Mg	854477	855928	851633	849745	857437	857640	**0.95**	5.00	
59 Co	1532680	1526071	1540823	1525650	1543090	1527765	**0.50**	5.00	
115 In	3179987	3173659	3168883	3171627	3199098	3186667	**0.72**	5.00	
208 Pb	1544146	1529880	1545767	1538204	1548899	1557977	**1.31**	5.00	



9 Be
Mass Calib.
Actual: 9.00
Required: 8.90 - 9.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:



24 Mg
Mass Calib.
Actual: 23.95
Required: 23.90 - 24.10
Flag:
Peak Width
Actual: 0.60
Required: 0.80
Flag:



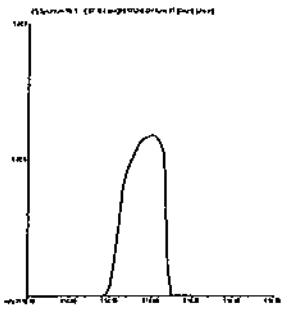
59 Co

Mass Calib.

Actual:	58.95		
Required:	58.90	-	59.10
Flag:			

Peak Width

Actual:	0.60		
Required:	0.90		
Flag:			



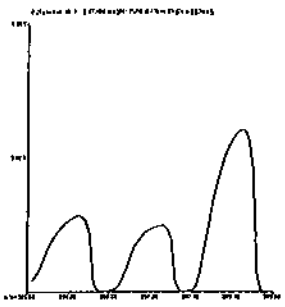
115 In

Mass Calib.

Actual:	115.00		
Required:	114.90	-	115.10
Flag:			

Peak Width

Actual:	0.60		
Required:	0.90		
Flag:			



208 Pb

Mass Calib.

Actual:	208.10		
Required:	207.90	-	208.10
Flag:			

Peak Width

Actual:	0.60		
Required:	0.80		
Flag:			

Tune Result: Pass

048

Metals Standards Log Book # 34 Page # 048

SA 1-26-12
6010B-C
(A)

1%HNO3 / 5%HCl BLK					6010B/6010C ICSA				
AMOUNT	REAGENT	MANUFACTURER	LOT	OPEN DATE	AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
100 mL	HCL	BDH	411040	12/28/11	1mL	Al	CPI	10E012-27685	04/20/12
20 mL	HNO3	JT BAKER	K23022	12/27/11	1mL	Ca	CPI	11A006-28528	09/15/12
Prepared in 2000 ml DI Water					1mL	Mg	CPI	10H213-2786	04/20/12
STD 1 / LDL 6010B/6010C					1mL	Fe	O2SI	1022245-27699	04/22/12
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE	Prepared in 50 ml 1%HNO3/5%HCl				
0.5 mL	6010 LDL	ABSOLUTE	091409-25205	09/14/12	6010B/6010C ICSAB				
Prepared in 50 ml 1%HNO3/5%HCl					1mL	Al	CPI	10E012-27685	04/20/12
STD 3 / HDL 6010B/6010C					1mL	Ca	CPI	11A006-28528	09/15/12
1ML	CCV-A	ABSOLUTE	091409-25206	09/14/12	1mL	Mg	CPI	10H213-2786	04/20/12
1ML	CCV-B	ABSOLUTE	091109-25208	09/14/12	1mL	Fe	O2SI	1022245-27699	04/22/12
1ML	CCV-C	ABSOLUTE	091009-25207	09/10/12	0.5mL	JT SPECIAL M	O2SI	160495-01-01	03/01/12
Prepared in 100 ml 1%HNO3 / 5%HCl					Prepared in 50 ml 1%HNO3/5%HCl				
STD 2 / CCV1 6010B/6010C/6010C					6010B/6010C ICV				
AMOUNT	STD	PREP DATE	EXP DATE		0.5ML	QCS ICV A	CPI	11C174-28548	09/17/12
25mL	STD 3	Today	1 week		0.5ML	QCS ICV B	CPI	11C174-28549	09/17/12
25mL	1%HNO3/5%HCl	Today	1 week		Prepared in 50ml 1%HNO3/5%HCl				
CCV2 6010B/6010C									
AMOUNT	STD	PREP DATE	EXP DATE						
15mL	STD 3	Today	1 week						
25mL	1%HNO3/5%HCl	Today	1 week						

SA 1-26-12

NBS 01/26/12

NBS 01/26/12
6020/6020A
(A)

ICP-MS STANDARDS 6020/6020A/3015/3051A

Today's Date: 01/26/12
Expires: 02/02/12
Prep 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # K19023
20mL HCL / 2000mL DI Water
Lot #4110110
Expires: 02/02/12

Internal Standard Mix: Prep 01/26/2012

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 01/26/12

Standard 3 02/02/12

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1038407-28139
25 uL	CCV-B	Env. Express	1038410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 01/26/12

Standard 2 02/02/12

Amount	STD		
500 uL	Standard 4		01/26/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 01/26/12

Standard 1 02/02/12

Amount	STD	
50 uL	Standard 4	01/26/12

Prepared in 50 mL of 1% HNO3/1.0% HCL 01/26/12

ICP-MS ICV 02/02/12

Amount	STD		
50 uL	QCS ICV A	CPI	11C174-28548
50 uL	QCS ICV B	CPI	11C174-28549

Prepared in 50 mL of 1% HNO3/1.0% HCL 01/26/12

ICSA Prep: 02/02/12

1 mL	ICSA	CPI	11C066-28529

Prepared in 5 mL of 1% HNO3/1.0% HCL 01/26/12

ICSAB Prep: 02/02/12

1mL	ICSA	CPI	11C066-28529
0.025mL	INT	O2SI	1023805-29210

Prepared in 5 mL of 1% HNO3/1.0% HCL 01/26/12

ICP-LDR 02/02/12

Amount	STD		
50 uL	CCV-A	Env. Express	1038407-28139
50 uL	CCV-B	Env. Express	1038410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 01/26/12

NBS 01/26/12

NBS 01/26/12

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. in Std	Expires
100uL	1000 ug/mL	Li	CPI	10L079-27639	1000 ug/L	06/10/12
100uL	1000 ug/mL	In	CPI	10J155-28574	1000 ug/L	09/25/12
100uL	1000 ug/mL	Ho	CPI	10A107-28576	1000 ug/L	09/25/12
100uL	1000 ug/mL	Tb	CPI	11B054-28575	1000 ug/L	09/25/12
100uL	1000 ug/mL	Sc	o2si	1024073-28527	1000 ug/L	08/18/12
100uL	1000 ug/mL	Ge	Environmental Express	1116011-29361	1000 ug/L	02/08/13

Prep:	01/26/12	NBS	Prep in -	1%HNO3/1.0%HCL:	Lot #K19023/4110110 in 100mL
Expires:	02/25/12				

1-27-12 SA
SA 1-27-12
6010B-C
(A)

NBS 01/27/12
6020/6020A
(A)

KWS 01/27/12

NM 1/30/12

_M3015

Metals Digestion Worksheet

Method Name 3015 Digestion **Prep Method** M3015 **Set** 120126A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# 1030094-29883
Spiked ID 2	LCSW LOT# 1030098-29884
Spiked ID 3	
Spiked ID 4	
Spiked By	NM Date: 01/26/12 10:30:00 AM
Witnessed By	KWS Date: 01/26/12 10:30:00 AM

Starting Temp:	20 c
Ending Temp:	170 c
Temperature Type:	Microwave
Sufficient Vol for Matrix QC:	Yes
End Date/Time	01/26/12 11:30

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	120126A Blk				45mL	50mL	01/26/12 10:30	equip: Venus
2	120126A LCS		90uL	1+2	45mL	50mL	01/26/12 10:30	equip: Venus
3	AY53046	AY53046W09			45mL	50mL	01/26/12 10:30	equip: Venus
4	AY53047	AY53047W09			45mL	50mL	01/26/12 10:30	equip: Venus
5	AY53666	AY53666W08			45mL	50mL	01/26/12 10:30	equip: Venus
6	AY53667	AY53667W08			45mL	50mL	01/26/12 10:30	equip: Venus
7	AY53668	AY53668W08			45mL	50mL	01/26/12 10:30	equip: Venus
8	AY53668 MS	AY53668W08	90uL	1+2	45mL	50mL	01/26/12 10:30	equip: Venus
9	AY53668 MSD	AY53668W08	90uL	1+2	45mL	50mL	01/26/12 10:30	equip: Venus

Solvent and Lot#
HNO3 J.T.B K23022 0133

Sample COC Transfer	
Sample prep employee Initials	nm
Analyst's Initials	EA
Date	1-26-12
Time	11:30
Moved to	Metals

Technician's Initials	
Scanned By	nm
Sample Preparation	nm
Digestion	lo
Bring up to volume	lo
Modified	01/26/12 9:25:09 AM

Reviewed By: EA 460 **Date:** 1-26-12

6020/200.8 Injection Log

Directory: K:\ICP-MS Optimus\raw data output csv\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
1	26 Jan 2012	10:56	Calibration Blank		120126Arev	1.
2	26 Jan 2012	11:03	120126 Standard 1		120126Arev	1.
3	26 Jan 2012	11:09	120126 Standard 2		120126Arev	1.
4	26 Jan 2012	11:16	120126 Standard 3		120126Arev	1.
5	26 Jan 2012	11:23	120126 Standard 4		120126Arev	1.
6	26 Jan 2012	11:30	ICV 120126		120126Arev	1.
8	26 Jan 2012	11:50	ICB 120126		120126Arev	1.
9	26 Jan 2012	11:57	CCV 120126		120126Arev	1.
10	26 Jan 2012	12:03	CCB 120126		120126Arev	1.
12	26 Jan 2012	12:23	LDR 500ppb 120126		120126Arev	1.
13	26 Jan 2012	12:36	ICSA 120126		120126Arev	1.
14	26 Jan 2012	12:43	ICSAB 120126		120126Arev	1.
81	26 Jan 2012	21:22	CCV 120126		120126Arev	1.
82	26 Jan 2012	21:36	CCB 120126		120126Arev	1.
83	26 Jan 2012	21:43	120126A-3015-BLK		120126Arev	1.
84	26 Jan 2012	21:56	120126A-3015-LCS		120126Arev	1.
87	26 Jan 2012	22:16	AY53666W08		120126Arev	1.
88	26 Jan 2012	22:23	AY53667W08		120126Arev	1.
89	26 Jan 2012	22:29	AY53668W08		120126Arev	1.
90	26 Jan 2012	22:36	AY53668W08 MS		120126Arev	1.
91	26 Jan 2012	22:43	AY53668W08 MSD		120126Arev	1.
93	26 Jan 2012	22:56	CCV 120126		120126Arev	1.
94	26 Jan 2012	23:10	CCB 120126		120126Arev	1.
95	26 Jan 2012	23:16	AY53668W08-A		120126Arev	1.
96	26 Jan 2012	23:23	AY53668W08-1/5		120126Arev	5.
98	26 Jan 2012	23:36	CCV 120126		120126Arev	1.
99	26 Jan 2012	23:50	CCB 120126		120126Arev	1.