Laboratory Report

Environet

LTM Red Hill Bulk Fuel Storage Facility

ARF 63694

Samples collected: January 18 & 19, 2011

APPL, Inc.

Data Validation Package
for
LTM Red Hill Bulk Fuel Storage Facility

ARF 63694

TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

LABS

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

Case Narrative

ARF: 63694

Project: LTM Red Hill Bulk Fuel Storage Facility

State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

DoD-ELAP Certificate number: ADE-1410

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.

Sample Receipt Information:

The sample group was received on January 21, 2011, 2010, at 3.0°C, 2.0°C, and 3.0°C. The sample group was assigned Analytical Request Form (ARF) number 63694. The sample numbers and requested analyses were compared to the chain of custody. One liter bottle labeled ES011 was received broken; the client was notified. No other exception was encountered.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
ES010	AY30410	WATER	01/18/11	01/21/11
ES011	AY30411	WATER	01/18/11	01/21/11
ES012	AY30412	WATER	01/19/11	01/21/11
ES013	AY30413	WATER	01/19/11	01/21/11
TRIP BLANK	AY30414	WATER	Not stated	01/21/11

All samples were screened for J-value responses between the LOQ and DL.

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:

Laboratory Control Spikes (LCS/LCSD) were used for quality assurance. All acceptance criteria were met.

Sample ES011 was designated by the client for MS/MSD analysis. Diesel Fuel recovered below the 61% lower recovery limit at 58.5% and 58.0%..

Surrogates:

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

Summary:

No other 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.

Sample ES011 was designated by the client for MS/MSD analysis. For the MSD, Naphthalene recovered above the 100% upper control limit at 104%. All other recoveries met acceptance criteria.

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 other problem was encountered.

EPA Method 8260B

Volatile Organic Analysis

Sample Preparation:

The water samples were purged according to EPA method 5030B.

Sample Analysis Information:

The samples were analyzed according to the method using a Hewlett Packard Gas Chromatograph with a mass spectrometer detector. Samples ES010 and ES011 were injected for gasoline eight days after collection. All other holding times were met. Manual integrations were performed in accordance to APPL's SOP. Chromatograms of prior to and after manual integrations are enclosed.

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 the detection limits in the method blank.

Spikes:

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

Sample ES011 was designated by the client for MS/MSD analysis. 1,2,4-Trichlorobenzene had a 40.4% RPD; 1,2-Dibromo-3-chloropropane recovered above 130% upper control limit at 131% in MSD; gasoline recovered above 125% upper control limit at 145% in MS. The gasoline MSD had low IS recoveries; there was insufficient volume for re-injection. Only MS was reported for gasoline.

Surrogates

Surrogate recoveries are summarized on the form 2&8. All recoveries were acceptable.

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

Metals

Digestion Information:

The water samples were digested according to EPA methods 3015. 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 dilution test were used for quality assurance. All LCS recoveries were within the acceptance limits.

Sample ES011 was designated by the client for MS/MSD analysis. All MS/MSD, PDS and serial dilution test acceptance criteria were met.

Summary:

No analytical exception is noted.

CERTIFICATION

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. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

3/1/11

Leonard Fong, Ph.D, Laboratory Director / Date

CHAIN OF CUSTODY

AND ARF

APPL - Analysis Request Form 63694

Client: **Environet, Inc.**	Received by: **CM**
Address: **650 Iwilei Rd, #204**	Date Received: **01/21/11** Time: **10:00**
Honolulu, HI 96817	Delivered by: **FED EX**
Attn: **Vilma Dupra**	Shuttle Custody Seals (Y/N): **Y**
Phone: **808-833-2225** Fax: **808-833-2231**	Chest Temp(s): **3.0°C 2.0°C 3.0°C**
Job: **LTM Red Hill Bulk Fuel Storage Facility**	Color: **VOA/I-PURRED/Q-ORGYE**
PO #: **1022-015**	Samples Chilled until Placed in Refrig/Freezer: **Y**
Chain of Custody (Y/N): **Y** # **33047**	Project Manager: **Cynthia Clark**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**	QC Report Type: **DVP4/ADRDOD/HI**
Turn Around Type: **2 WEEKS**	Due Date: **02/04/11**

Comments:
14 day TAT for Form 1s & 30 day TAT for full package. VDupra@environetinc.com
1 hard copy to Environet, 1 hard copy to LDC
Guidance: DOD QSM, EDD: Exce & ADR
DoD Forms, J flag to DL, U flag at LOD
metals 6020: report Lead with 0.5ug/L RL
TPH-Diesel only
VOCs: include gasoline by 8260B
One broken amber liter for sample ES011.

Sample Distribution:	Charges:	Invoice To:
GC: 4-$SIMHC12W, 4-$TPETD2		ENVIRONET INC.
Extractions: 4-_SEP004S, 4-_SEP011		Cecila Adams
VOA: 5-$86RHBF		650 Iwilei Rd. Suite 204
Metals: 4-$602D(Pb)		Honolulu, Hi 96817
Other: 4-_M3015		

	Client ID		APPL ID	Sampled		Analyses Requested
1.	ES010	x-spk	AY30410W	01/18/11	12:15	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2 -- non-preserved VOA
2.	ES011	x-spk/MS/MSD	AY30411W	01/18/11	10:30	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2 -- non-preserved VOA
3.	ES012	x-spk	AY30412W	01/19/11	10:00	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2 -- non-preserved VOA
4.	ES013	x-spk	AY30413W	01/19/11	11:55	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2 -- non-preserved VOA
5.	TRIP BLANK	x-spk	AY30414W	NA	00:00	$86RHBF -- non-preserved VOA

Initials ______ Date __________

APPL Sample Receipt Form

ARF# **63694**

Sample	Container Type	Count	pH
AY30410	6 PL 500mL - HNO3	1	1.7
	15 VOAs - NP	4	NA
	17 Amber Liter	4	NA
AY30411	6 PL 500mL - HNO3	3	1.7
	15 VOAs - NP	11	NA
	17 Amber Liter	9	NA
AY30412	6 PL 500mL - HNO3	1	1.7
	15 VOAs - NP	4	NA
	17 Amber Liter	4	NA
AY30413	6 PL 500mL - HNO3	1	1.7
	15 VOAs - NP	4	NA
	17 Amber Liter	4	NA
AY30414	13 VOAs - HCL	4	NA

Sample	Container Type	Count	pH

APPL LABS

63694
3.0°
2.0°
3.0°

CHAIN OF CUSTODY RECORD

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

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

C.O.C. 33047

Report to: PLEASE PRINT	Invoice to: PLEASE PRINT
Company Name: Environet Inc. Phone: (808) 833-2225	Company Name: Environet Inc. Phone: (808) 833-2228
Address: 650 Iwilei Rd Suite 204 Honolulu, Hi 96817 Fax: (808) 833-2231	Address: 650 Iwilei Rd Suite 204 Honolulu, Hi Fax: (808) 833-2231
Attn: Stacey Fineran	Attn: Cecilia Adams Accounts Payable

Project Name/Number: RHSF LTM/1022-015
Sampler (Print): Stacey Fineran
Purchase Order Number:
Sampler (Signature): Stacey A F

Date Shipped: 1/19/11
Carrier: Fed Ex
Waybill No.:
Comments:

Sample Identification	Location	Date Collected	Time Collected	No. of Containers	Aq	Sed.	Soil	TPH-GRO	VOCs	PAHs	TPH-DRO	Dissolved Metals
ES010	RHSF LTM	1/18/11	1215	9	X			X	X	X	X	X
ES011	RHSF LTM	1/18/11	1030	9	X			X	X	X	X	X
ES011 MSD	RHSF LTM	1/18/11	1030	15	X			X	X	X	X	X
ES012	RHSF LTM	1/19/11	1000	9	X			X	X	X	X	X
ES013	RHSF LTM	1/19/11	1155	9	X			X	X	X	X	X
Trip Blank	RHSF LTM			1	X			X	X			
Temp Blank				1								

Shuttle 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:
Stacey Fineran	1/19/11	1500	Fed Ex				
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date 01/24/11	Time 1000	Received at lab by:

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

See reverse side for Container Preservative and Sampling Information

COOLER RECEIPT FORM

1) Project: 1022-015 Agana Landfill, Guam RHSF LTM Date Received: 1/21/11
2) Coolers: Number of Coolers: 3
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) 870493075678 2)____ 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 wrap, 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) 3.0°C 2)____ 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 1/21/11 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: AY30411 W-11
Smaller than a pea: AY30410 W04; AY30411 W07-W10; AY 30412 W01-W04; AY30413 W07-W04

Preservation & Hold time: AY30414 W02-W04
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 > 10?
Lab notified if pH was not adequate:____

Deficiencies: For sample "ES011" one amber liter arrived Broken, 9 Ambers remain.

Signature of personnel receiving samples: [signature] Second reviewer: [signature]
Signature of project manager notified: Renée Date and Time of notification: 1-21-11
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: **110125W-30411 - 151856**
Batch ID: #TPETD-110125A

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	1/25/2011	2/2/2011
BLANK	SURROGATE: OCTACOSANE (S)	55.7	28-142			%	1/25/2011	2/2/2011
BLANK	SURROGATE: ORTHO-TERPHEN	57.3	57-132			%	1/25/2011	2/2/2011

Quant Method: TPHD0117.M
Run #: 202005
Instrument: APOLLO
Sequence: 110202
Initials: LA

GC SC-Blank-REG MDLs
Printed: 2/17/2011 2:27:33 PM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 63694

Case No: 63694 Date Analyzed: 2/2/2011

Matrix: WATER Instrument: APOLLO

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)	SURROGATE: ORTHO-TERPHENYL (S)
110125A-BLK	Blank	55.7	57.3
AY30410	ES010	57.8	60.8
AY30411-MS	Matrix Spike	61.9	76.5
AY30411-MSD	Matrix SpikeD	58.4	71.8
AY30411	ES011	58.5	61.8
110125A-LCS	Lab Control Spike	64.0	78.6
110125A-LCSD	Lab Control SpikeD	61.9	75.8
AY30412	ES012	73.9	79.8
AY30413	ES013	75.9	79.2

Comments: Batch: #TPETD-110125A

Laboratory Control Spike Recoveries

TPH Diesel Water

APPL ID: **110125W-30411 LCS - 151856**
Batch ID: #TPETD-110125A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL FUEL	2000	1650	1640	82.5	82.0	61-143	0.61	30
SURROGATE: OCTACOSANE (S)	149	95.4	92.2	64.0	61.9	28-142		
SURROGATE: ORTHO-TERPHENYL (S)	107	84.1	81.1	78.6	75.8	57-132		

Comments:

Primary	SPK	DUP
Quant Method :	TPHD0117.M	TPHD0117.M
Extraction Date :	1/25/2011	1/25/2011
Analysis Date :	2/3/2011	2/3/2011
Instrument :	Apollo	Apollo
Run :	202042	202043
Initials :	LA	

Printed: 2/17/2011 2:27:21 PM
APPL Standard LCSD

Matrix Spike Recoveries

TPH Diesel Water

APPL ID: **110125W-30411 MS - 151856**
Batch ID: #TPETD-110125A
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL FUEL	2000	1100	2270	2260	58.5 #	58.0 #	61-143	0.44	30
SURROGATE: OCTACOSANE (S)	149	NA	92.3	87.0	61.9	58.4	28-142		
SURROGATE: ORTHO-TERPHENYL (S)	107	NA	81.9	76.8	76.5	71.8	57-132		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	TPHD0117.M	TPHD0117.M
Extraction Date :	1/25/2011	1/25/2011
Analysis Date :	2/2/2011	2/2/2011
Instrument :	Apollo	Apollo
Run :	202015	202016
Initials :	LA	

Printed: 2/17/2011 3:14:33 PM
APPL MSD SCII

EPA 8015B-e

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	63694
Case No:	63694	Date Analyzed:	2/2/2011
Matrix:	WATER	Instrument:	APOLLO
Blank ID:	110125A-BLK	Time Analyzed:	1900

APPL ID.	Client Sample No.	File ID.	Date Analyzed
110125A-BLK	Blank	202005	2/2/2011 1900
AY30410	ES010	202014	2/2/2011 2233
110125A-MS	Matrix Spike	202015	2/2/2011 2257
110125A-MSD	Matrix SpikeD	202016	2/2/2011 2320
AY30411	ES011	202019	2/3/2011 0031
110125A-LCS	Lab Control Spike	202042	2/3/2011 0946
110125A-LCSD	Lab Control SpikeD	202043	2/3/2011 1010
AY30412	ES012	216044	2/17/2011 1315
AY30413	ES013	216045	2/17/2011 1338

Comments: Batch: #TPETD-110125A

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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES010
Sample Collection Date: 1/18/2011

ARF: 63694
APPL ID: AY30410
QCG: #TPETD-110125A-151856

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	1100 ++	150	80.8	40.4	ug/L	1/25/2011	2/2/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	57.8	28-142			%	1/25/2011	2/2/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	60.8	57-132			%	1/25/2011	2/2/2011

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method:	TPHD0117.M
Run #:	202014
Instrument:	Apollo
Sequence:	110202
Dilution Factor:	1
Initials:	LA

Printed: 2/17/2011 2:27:28 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110202\202014.D            Vial: 14
Acq On    : 2-2-11 22:33:44                       Operator: LAC
Sample    : AY30410W06 5/980                      Inst    : Apollo
Misc      : Water                                 Multiplr: 5.10
IntFile   : events.e
Quant Time: Feb 17 15:08 2011  Quant Results File: TPHD0117.RES

Method        : G:\APOLLO\DATA\110119\TPHD0117.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Tue Feb 08 14:48:49 2011
Response via  : Multiple Level Calibration

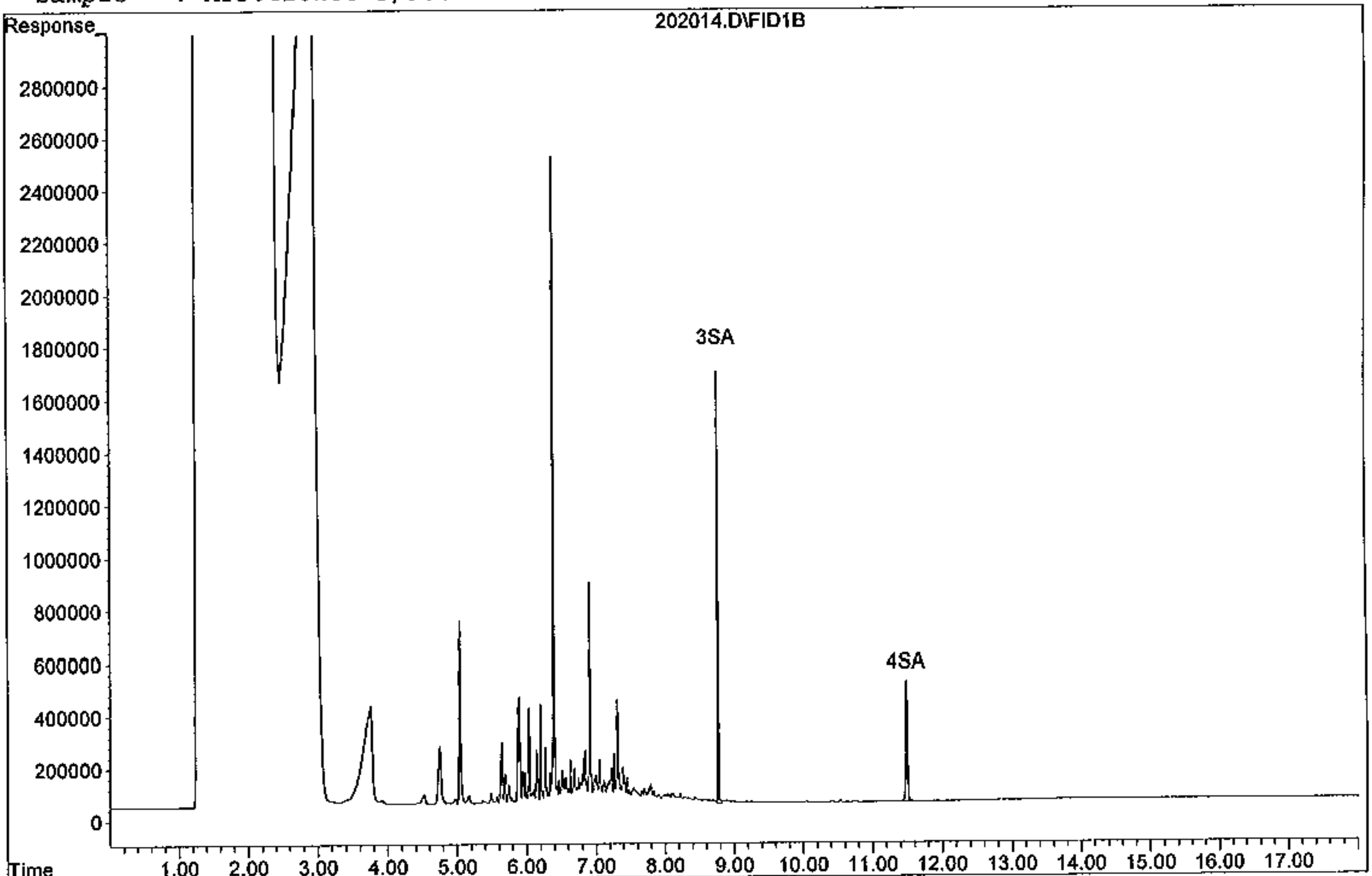
Volume Inj.   : 2UL
Signal Phase  : DB-5
Signal Info   : FID02A
```

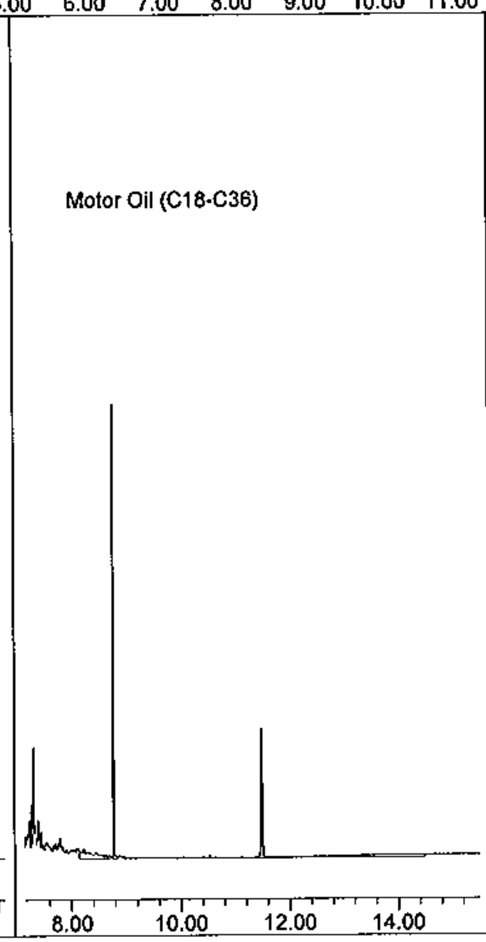
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	11605177	66.647 ppb
Surrogate Spike 109.658		Recovery =	60.78%
4) SA Octacosane(S)	11.49	7451794	87.662 ppb
Surrogate Spike 151.699		Recovery =	57.79%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	149995814	1079.990 ppb
2) HBTM Motor Oil (C18-C36)	11.31	17437816	321.830 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202014.D
Sample   : AY30410W06 5/980





202014.D TPHD0117.M Thu Feb 17 15:08:56 2011

TPH Diesel Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES011
Sample Collection Date: 1/18/2011

ARF: 63694
APPL ID: AY30411
QCG: #TPETD-110125A-151856

Method	Analyte	Result	PQL	MDL	Units	Extraction Date	Analysis Date
EPA 8015B-	DIESEL FUEL	1100 ++	150	40.4	ug/L	1/25/2011	2/3/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	58.5	28-142		%	1/25/2011	2/3/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (	61.8	57-132		%	1/25/2011	2/3/2011

++(T2M) The analyst has noted that the chromatogram of this sample is mainly lower boiling hydrocarbons.

Quant Method:	TPHD0117.M
Run #:	202019
Instrument:	Apollo
Sequence:	110202
Dilution Factor:	1
Initials:	LA

Printed: 2/17/2011 3:14:38 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (Not Reviewed)

Data File	: G:\APOLLO\DATA\110202\202019.D	Vial:	19
Acq On	: 2-3-11 0:31:34	Operator:	LAC
Sample	: AY30411W20 5/920	Inst :	Apollo
Misc	: Water	Multiplr:	5.43
IntFile	: events.e		

Quant Time: Feb 17 15:10 2011 Quant Results File: TPHD0117.RES

Method : G:\APOLLO\DATA\110119\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:48:49 2011
Response via : Multiple Level Calibration

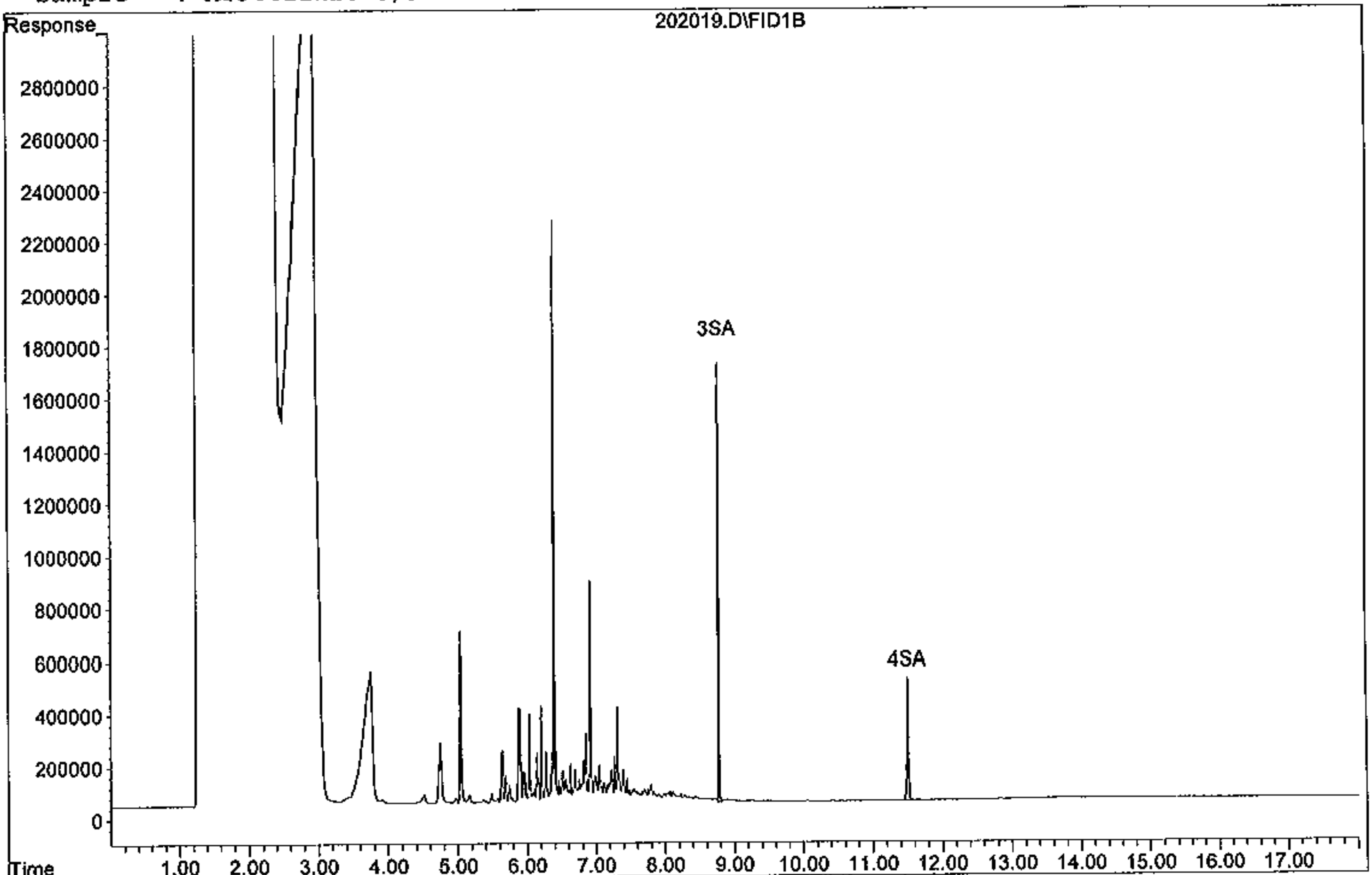
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

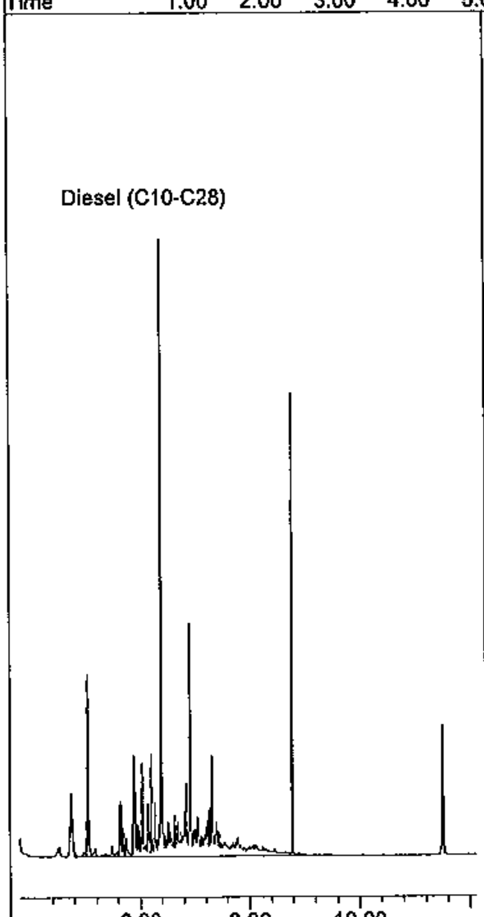
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.78	11805924	72.221 ppb
Surrogate Spike 116.810		Recovery =	61.83%
4) SA Octacosane(S)	11.50	7545117	94.549 ppb
Surrogate Spike 161.592		Recovery =	58.51%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	138857389	1064.995 ppb
2) HBTM Motor Oil (C18-C36)	11.31	18816231	369.917 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202019.D
Sample : AY30411W20 5/920





TPH Diesel Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES012
Sample Collection Date: 1/19/2011

ARF: 63694
APPL ID: AY30412
QCG: #TPETD-110125A-151856

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	1/25/2011	2/17/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	73.9	28-142			%	1/25/2011	2/17/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	79.8	57-132			%	1/25/2011	2/17/2011

Quant Method:	TPHD0212.M
Run #:	216044
Instrument:	Apollo
Sequence:	110216
Dilution Factor:	1
Initials:	LA

Printed: 2/17/2011 2:27:28 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\110216\216044.D Vial: 44
Acq On : 2-17-11 13:15:01 Operator: LAC
Sample : AY30412W06 5/950 Inst : Apollo
Misc : Water Multiplr: 5.26
IntFile : events.e
Quant Time: Feb 17 14:14 2011 Quant Results File: TPHD0212.RES

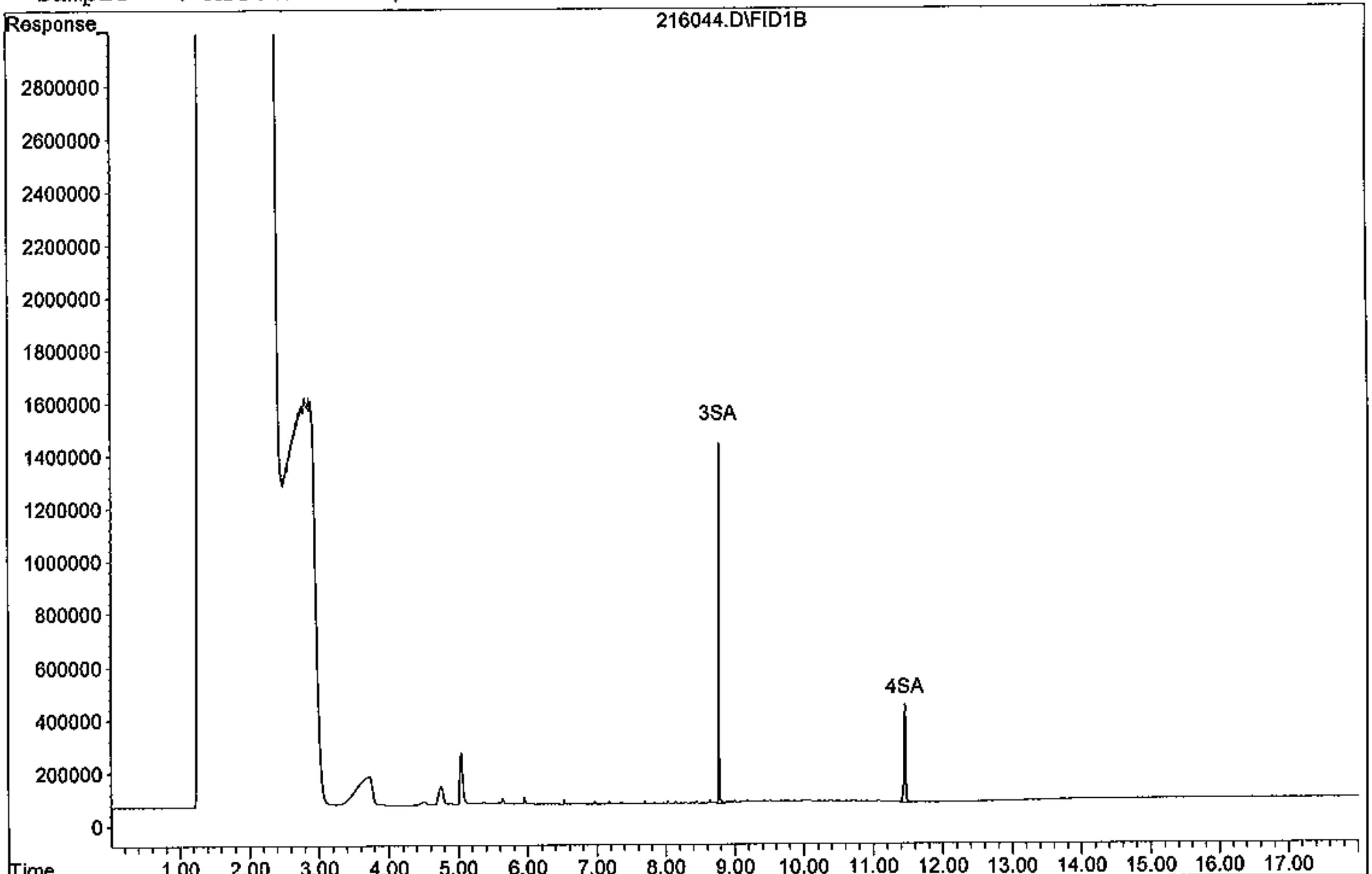
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

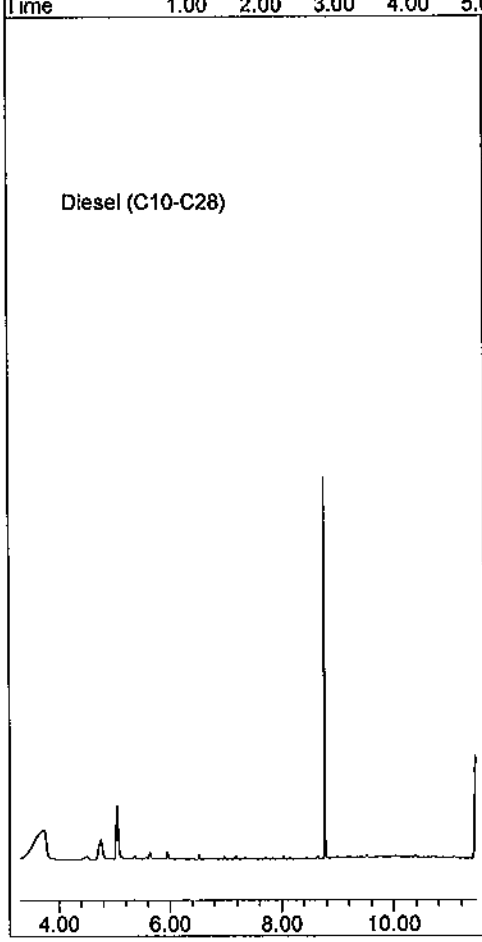
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

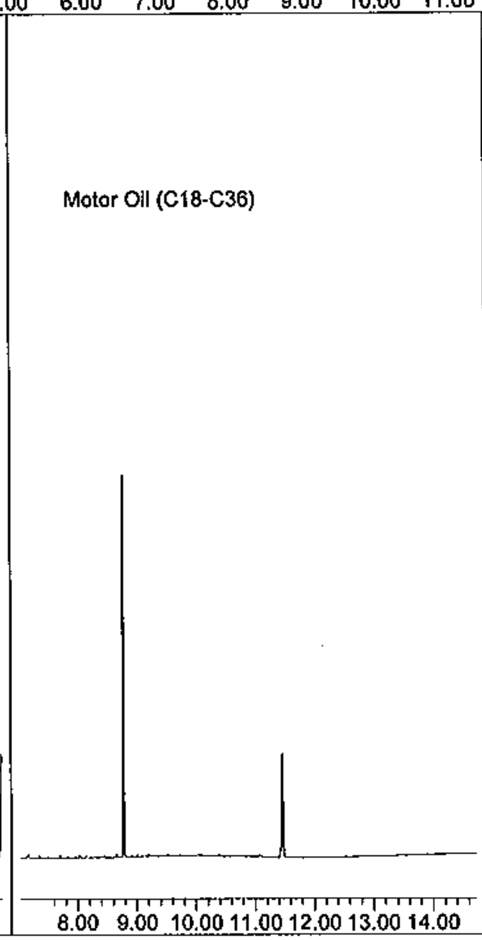
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	9920572	90.290 ppb
Surrogate Spike 113.121		Recovery =	79.82%
4) SA Octacosane(S)	11.46	6112299	115.613 ppb
Surrogate Spike 156.489		Recovery =	73.88%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110216\216044.D
Sample : AY30412W06 5/950







TPH Diesel Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

Sample ID: ES013

Sample Collection Date: 1/19/2011

ARF: 63694

APPL ID: AY30413

QCG: #TPETD-110125A-151856

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	1/25/2011	2/17/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	75.9	28-142			%	1/25/2011	2/17/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	79.2	57-132			%	1/25/2011	2/17/2011

Quant Method:	TPHD0216.M
Run #:	216045
Instrument:	Apollo
Sequence:	110216
Dilution Factor:	1
Initials:	LA

Printed: 2/17/2011 2:27:28 PM

APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\110216\216045.D
Acq On : 2-17-11 13:38:47
Sample : AY30413W05 5/1000
Misc : Water
IntFile : events.e
Quant Time: Feb 17 14:15 2011 Quant Results File: TPHD0212.RES

Vial: 45
Operator: LAC
Inst : Apollo
Multiplr: 5.00

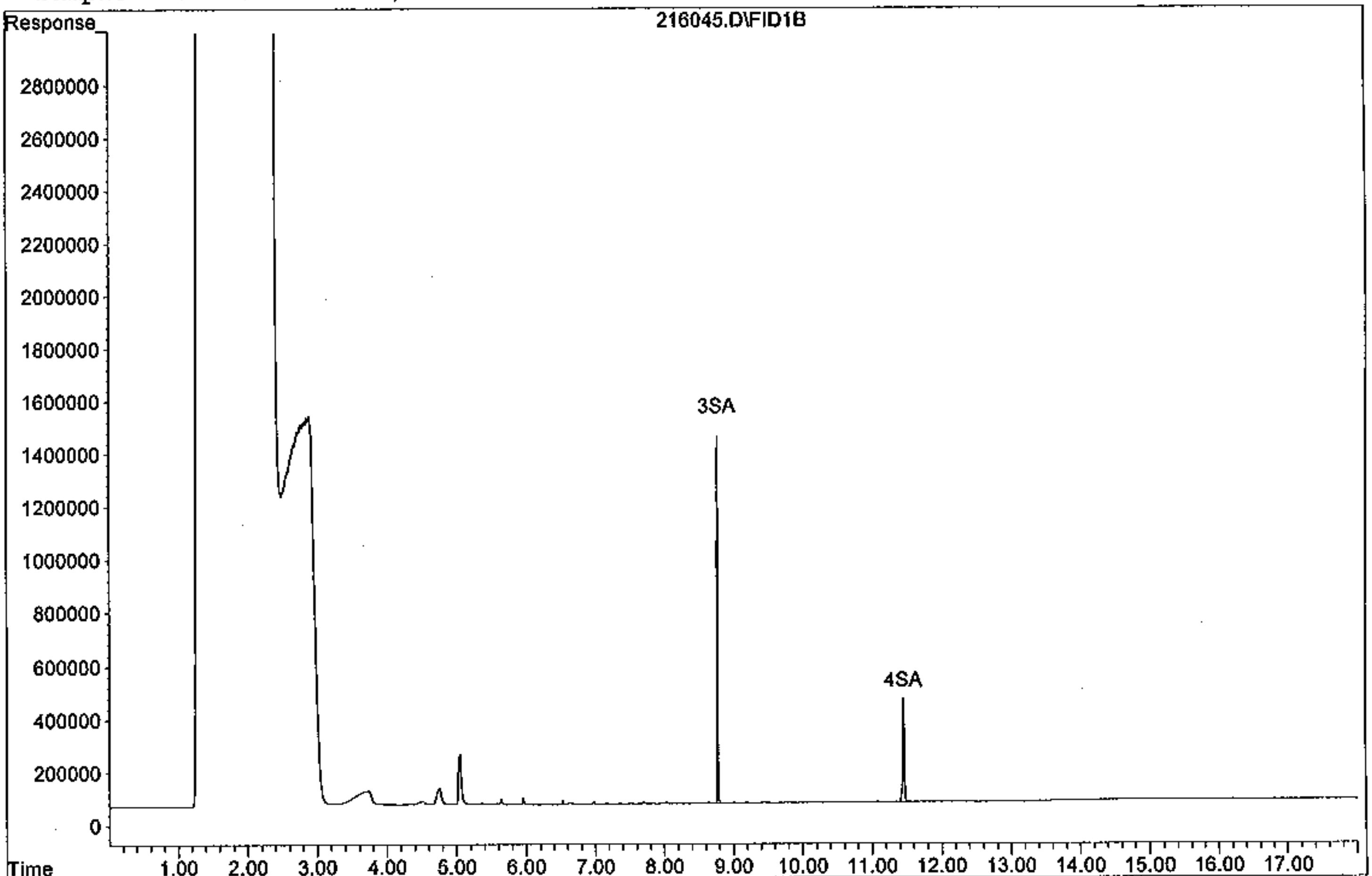
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

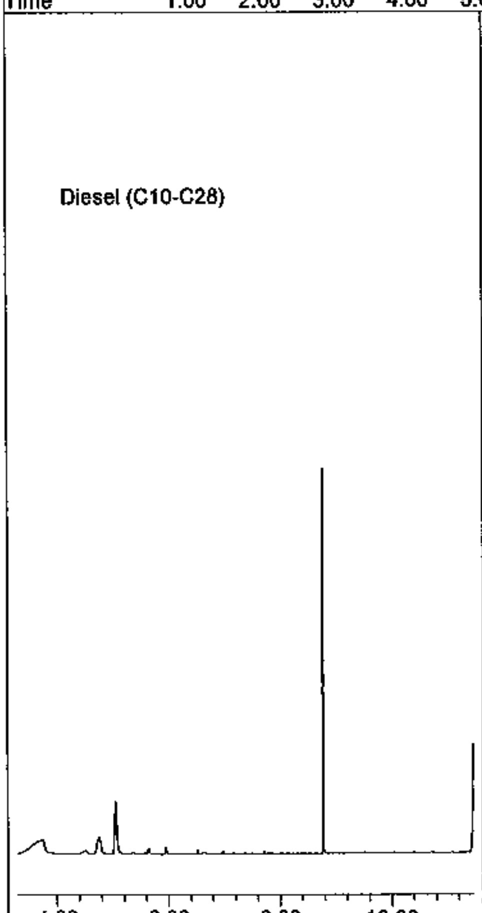
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

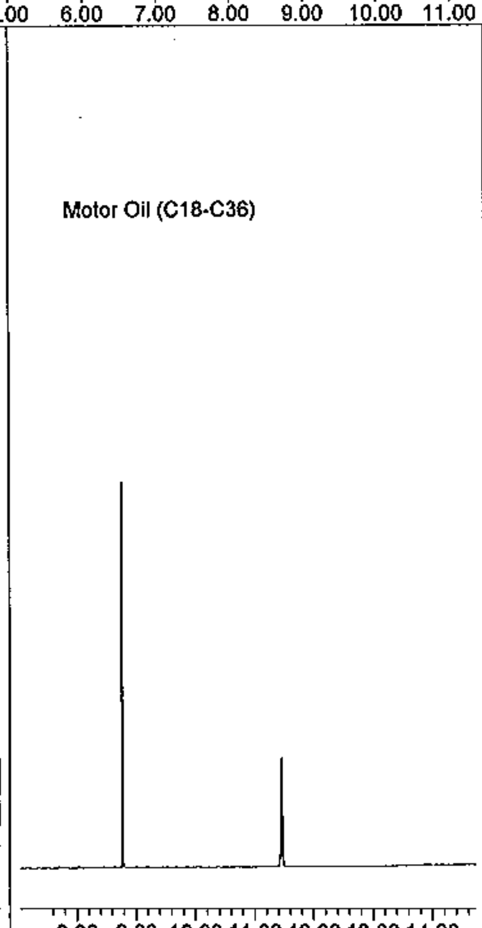
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	9848457	85.152 ppb
Surrogate Spike 107.465		Recovery =	79.24%
4) SA Octacosane(S)	11.45	6276825	112.789 ppb
Surrogate Spike 148.665		Recovery =	75.87%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110216\216045.D
Sample : AY30413W05 5/1000







EPA 8015 Modified
Total Petroleum Hydrocarbons

Calibration Data

TPH Extractables
TPHD0117

Form 6
Initial Calibration

Lab Name: APPL, Inc.

Case No:

Matrix:

SDG No: 63694

Initial Cal. Date: 1/17/2011

Instrument: Apollo

Initials: LAC

			117003.D	117004.D	117005.D	117006.D	117007.D	117008.D								
		Compound	1	2	3	4	5	6					Avg	%RSD		
1	HATM	Diesel (C10-C28)	275749	353543	393314	390214	380904	332085					354302	13	HATM	
2	HBTM	Motor Oil (C18-C36)	106753	122340	151647	154883	151245	142469					138223	14	HBTM	
3	SA	Ortho-Terphenyl(S)	333720	445454	494109	488914	483474	419578					444208	14	SA	
4	SA	Octacosane(S)		171579	236018	238748	233179	204730					216851	13	SA	
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
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35																

1.539507

Data File : G:\APOLLO\DATA\110117\117003.D Vial: 3
Acq On : 1-17-11 17:56:43 Operator: LAC
Sample : DEISEL 10/1000 1/17/10 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 18 10:02 2011 Quant Results File: TPHD0117.RES

Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

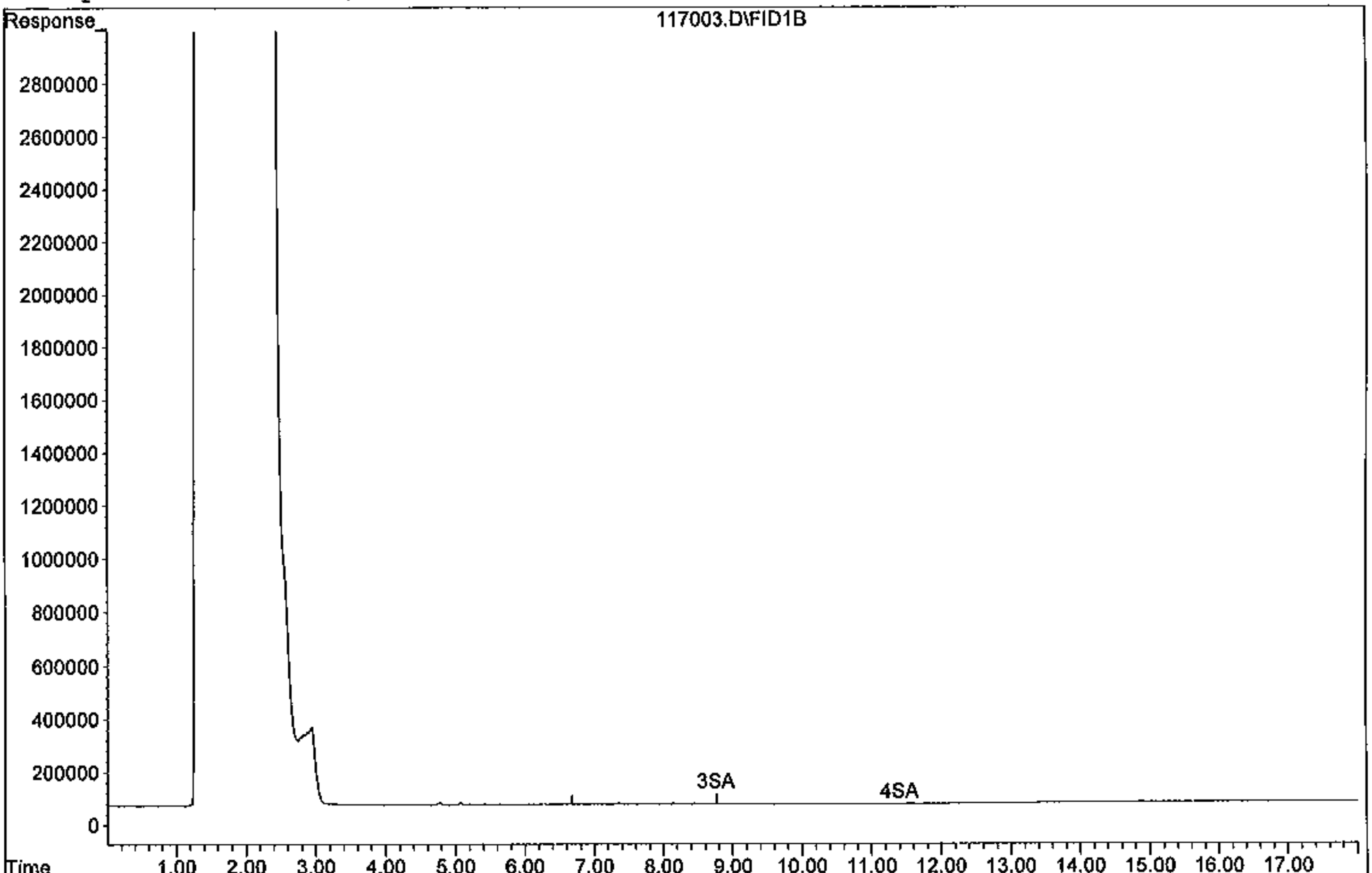
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

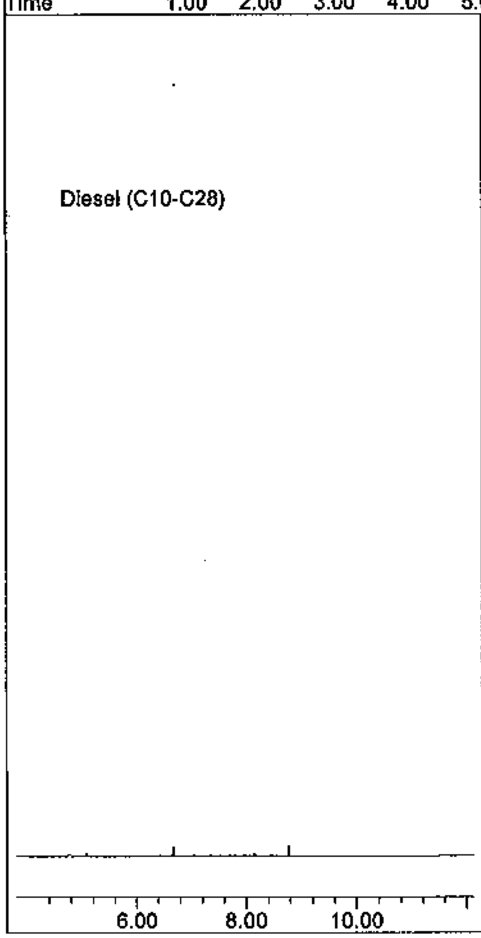
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.76	333720	0.376 ppb
Surrogate Spike 30.000	Recovery	=	1.25%
4) SA Octacosane(S)	11.41f	24889	11.295 ppb
Surrogate Spike 30.000	Recovery	=	37.65%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	5514985	7.783 ppb

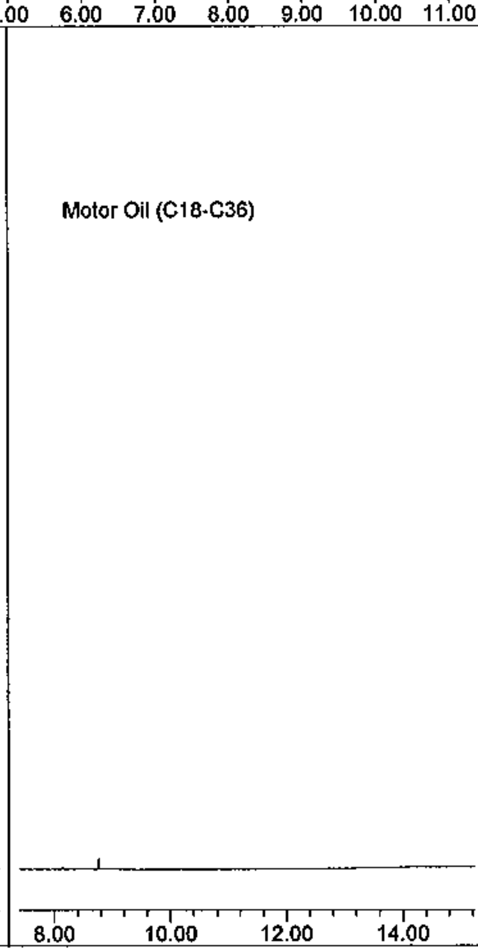
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110117\117003.D
Sample : DEISEL 10/1000 1/17/10







Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110117\117004.D
Acq On : 1-17-11 18:20:36
Sample : DEISEL 100/1000
Misc : Mix(A)
IntFile : events.e
Quant Time: Jan 18 10:02 2011 Quant Results File: TPHD0117.RES

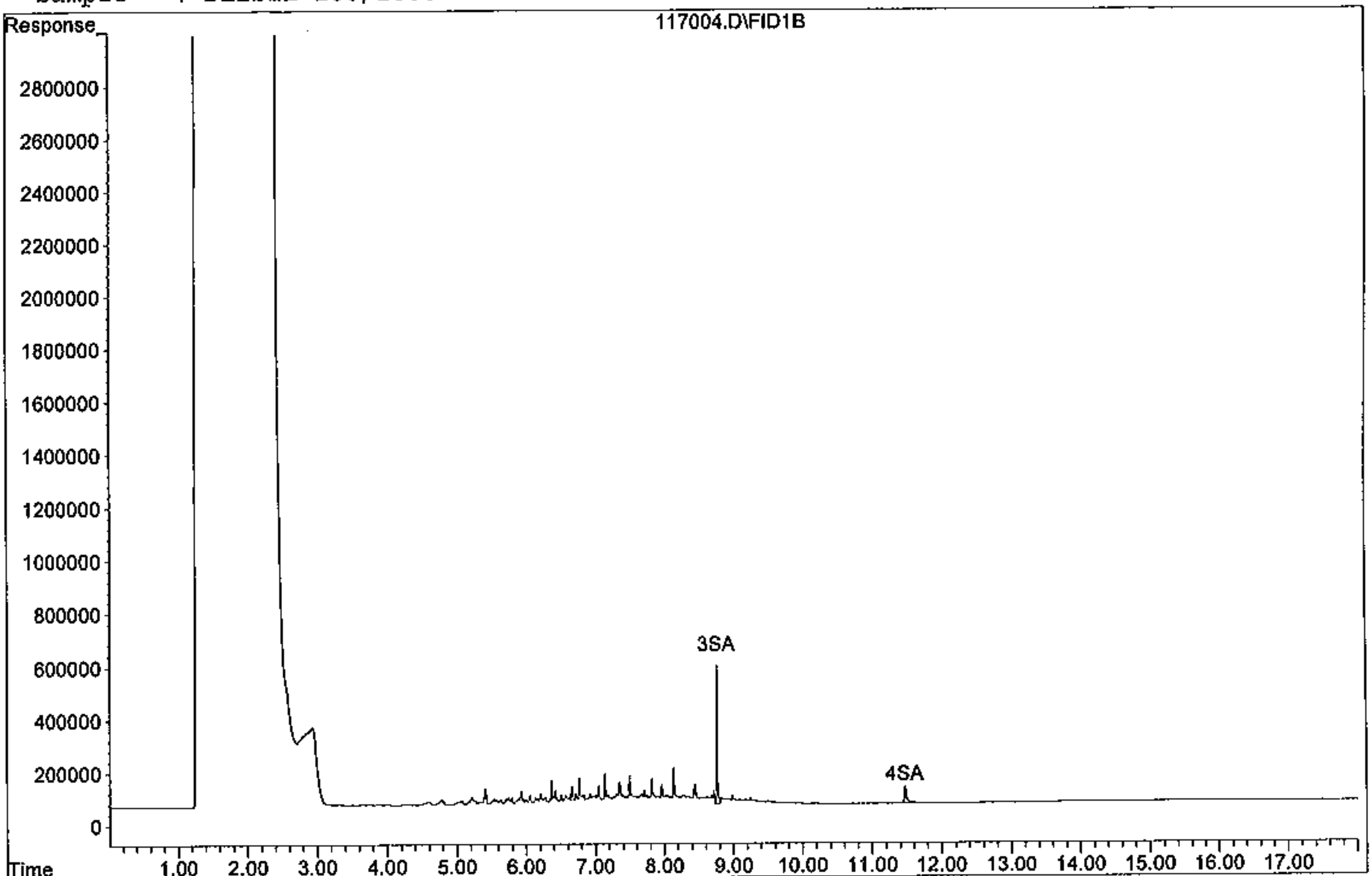
Vial: 4
Operator: LAC
Inst : Apollo
Multiplr: 1.00

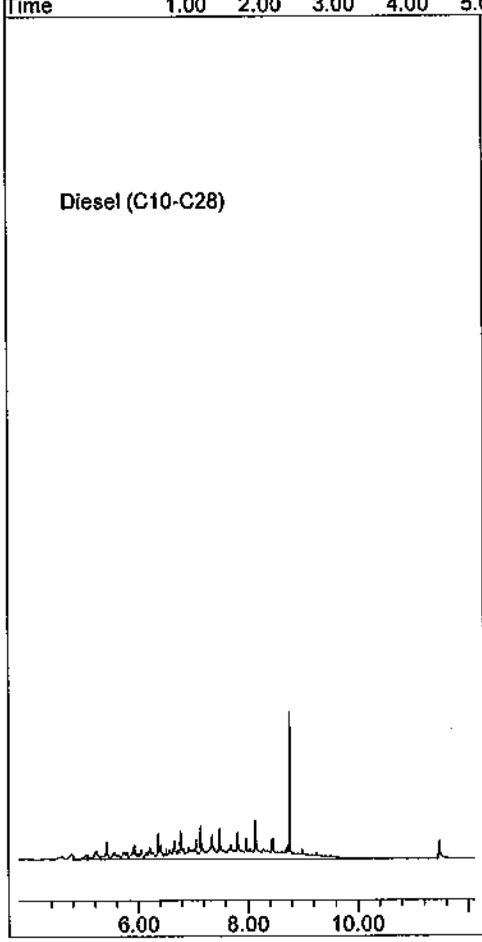
Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

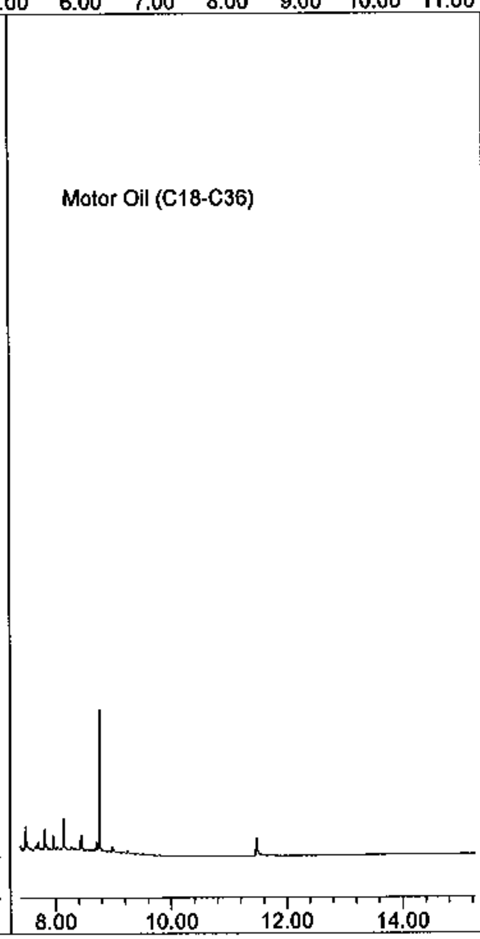
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.76	4454537	5.014 ppb
Surrogate Spike 30.000	Recovery	=	16.71%
4) SA Octacosane(S)	11.47	1715793	778.680 ppb
Surrogate Spike 30.000	Recovery	=	2595.60%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	70708534	99.786 ppb

Data File: G:\APOLLO\DATA\110117\117004.D
Sample : DEISEL 100/1000







Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110117\117005.D Vial: 5
Acq On : 1-17-11 18:44:31 Operator: LAC
Sample : DEISEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 18 10:02 2011 Quant Results File: TPHD0117.RES

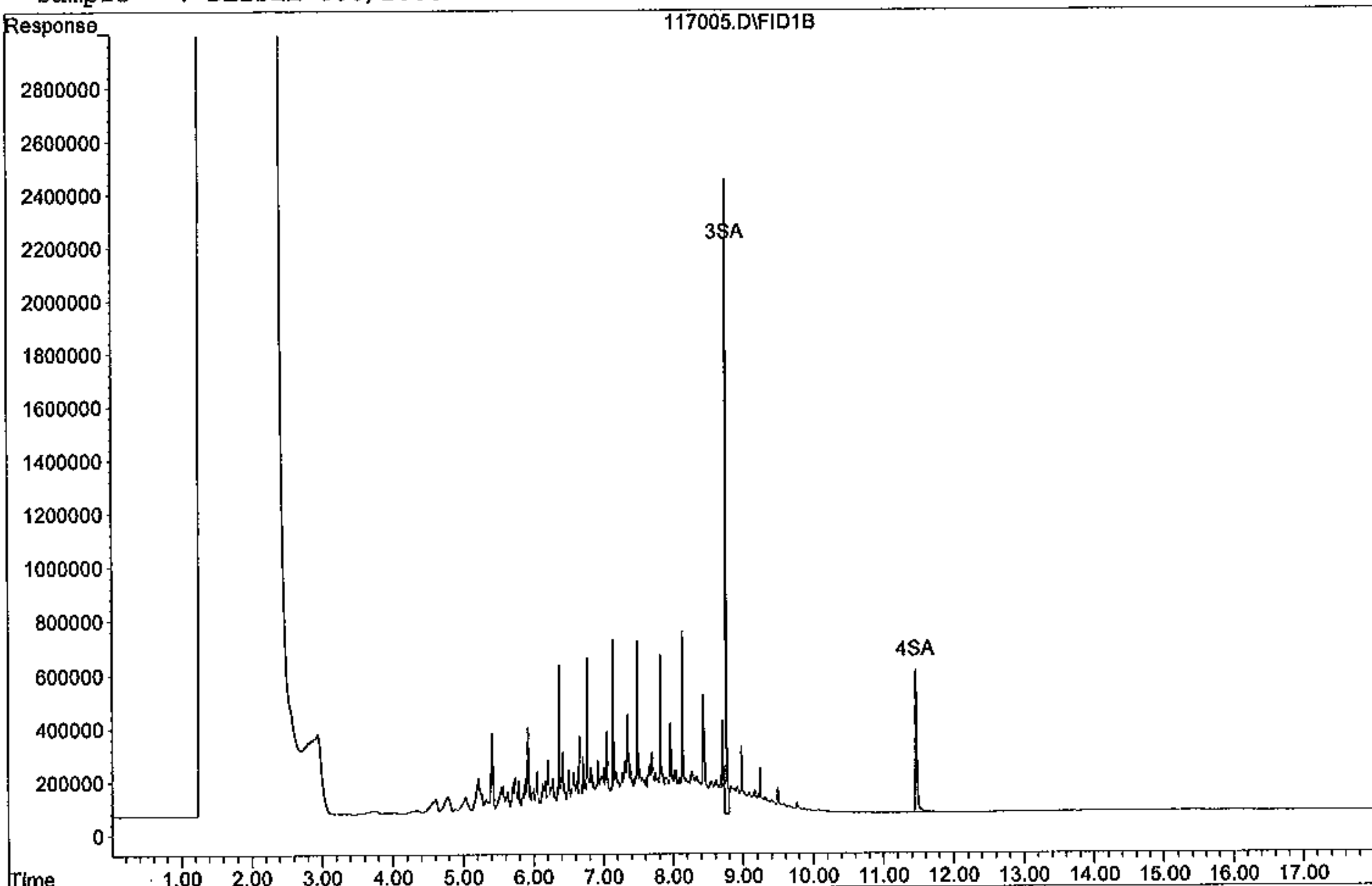
Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

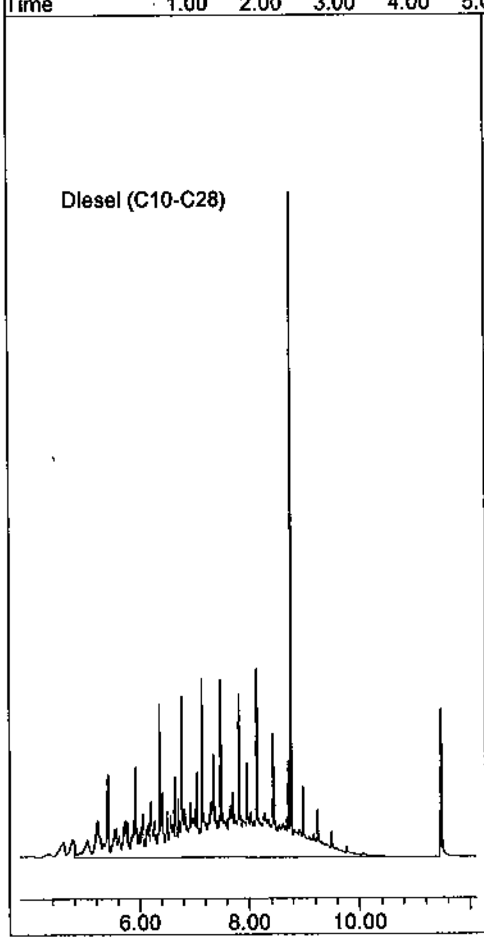
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

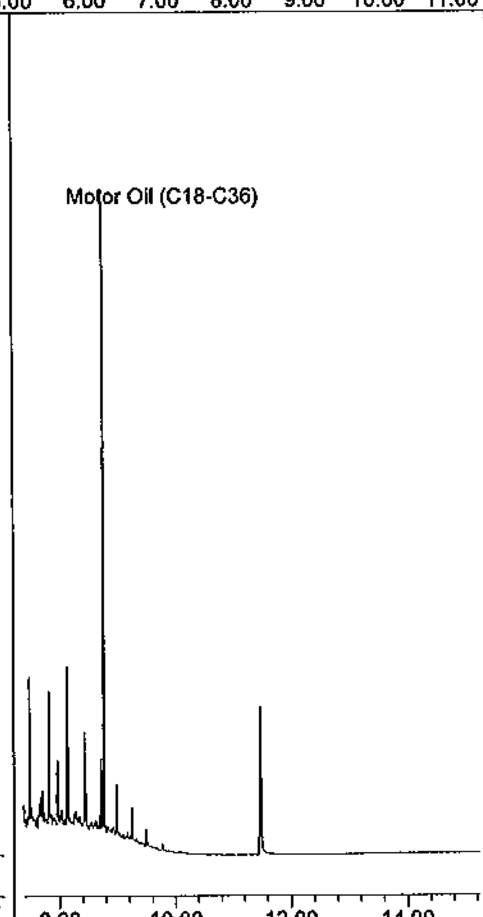
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.76	19764369	22.247 ppb
Surrogate Spike 30.000	Recovery	=	74.16%
4) SA Octacosane(S)	11.47	9440725	4284.494 ppb
Surrogate Spike 30.000	Recovery	=	14281.65%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	314651519	444.045 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110117\117005.D
Sample : DEISEL 400/1000







Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110117\117006.D                  Vial: 6
Acq On    : 1-17-11 19:08:20                            Operator: LAC
Sample    : DEISEL 600/1000                             Inst     : Apollo
Misc      : Mix(A)                                      Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 18 10:02 2011  Quant Results File: TPHD0117.RES

Method        : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Tue Feb 08 14:53:49 2011
Response via  : Multiple Level Calibration

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

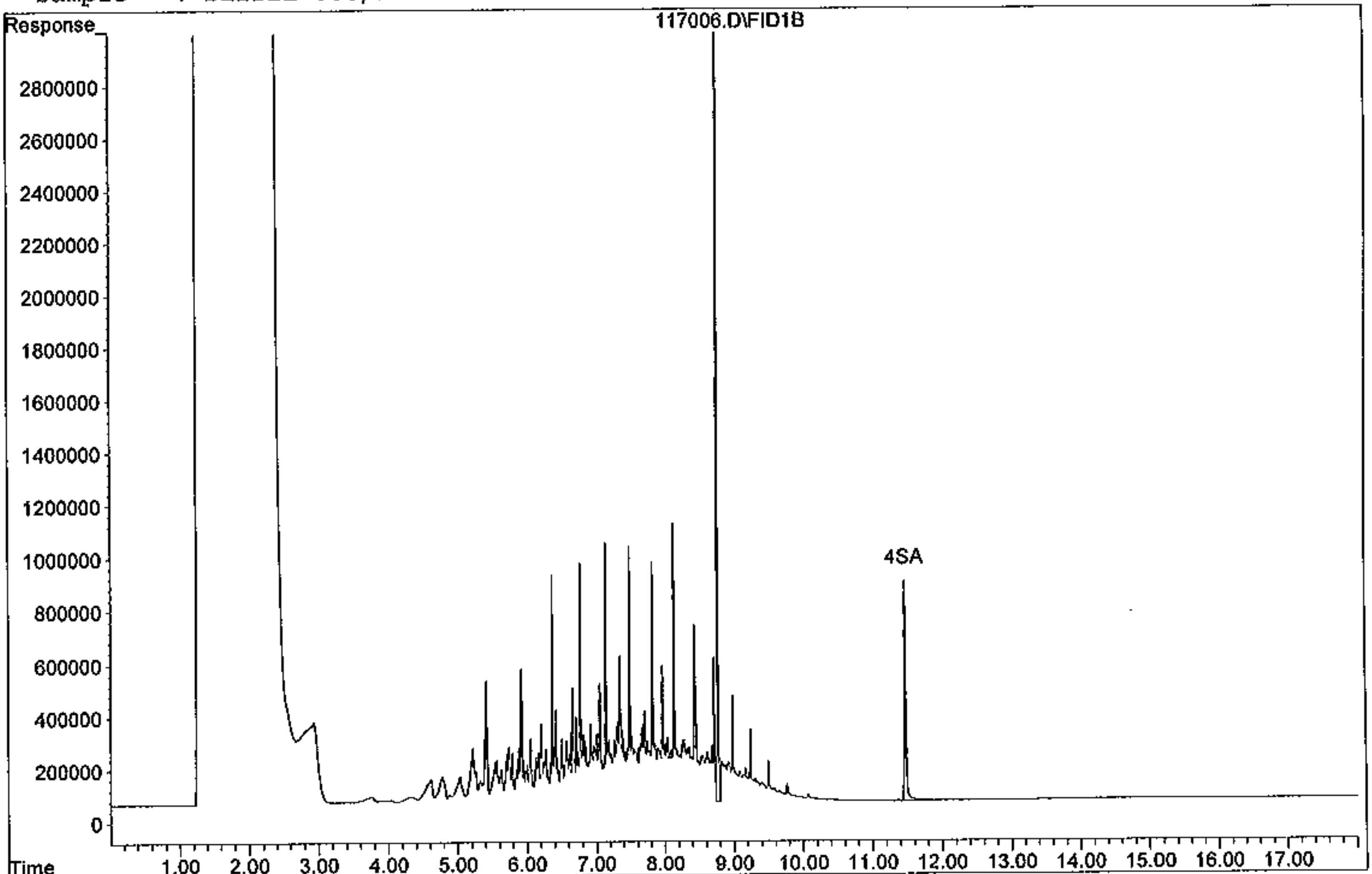
     Compound                        R.T.       Response    Conc Units
  ---------------------------------------------------------------------

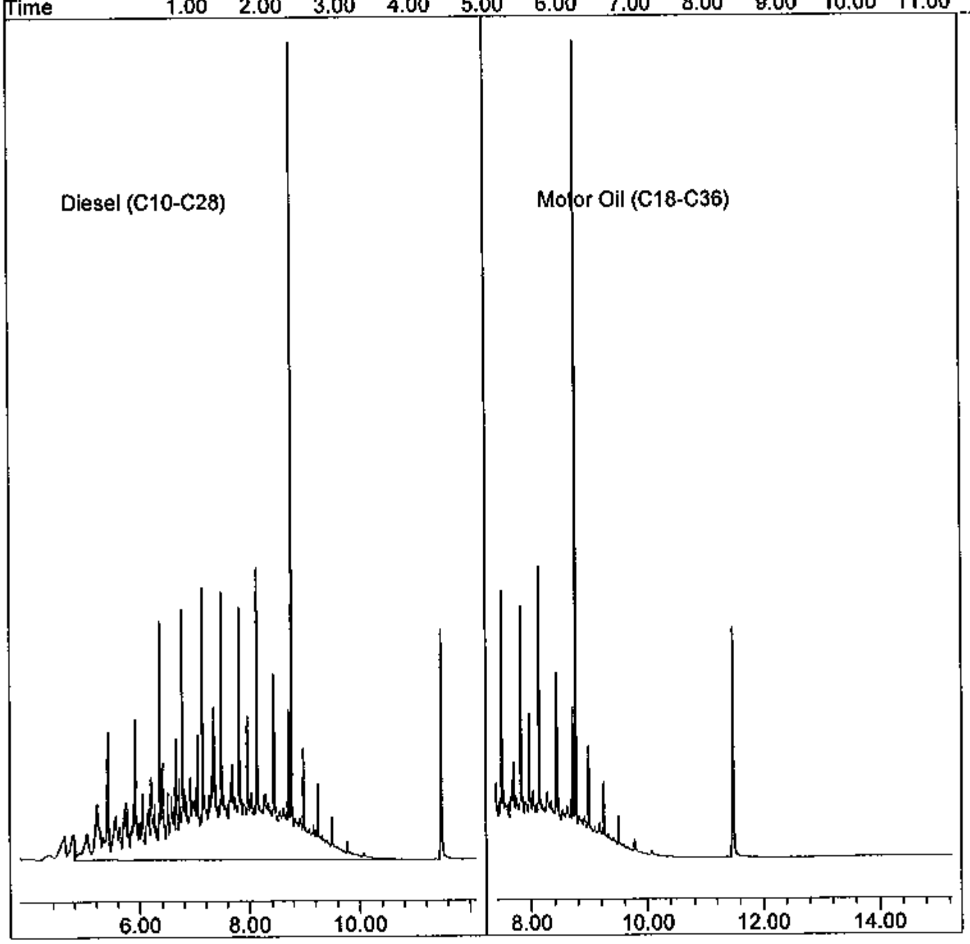
  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)           8.76       29334830    33.019 ppb
Surrogate Spike 30.000                   Recovery      =  110.06%
 4) SA  Octacosane(S)               11.47       14324885  6501.077 ppb
Surrogate Spike 30.000                   Recovery      = 21670.26%

  Target Compounds
 1) HATM Diesel (C10-C28)            7.96      468257395   660.817 ppb
```

Quantitation Report

Data File: G:\APOLLO\DATA\110117\117006.D
Sample   : DEISEL 600/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110117\117007.D
Vial: 7
Acq On : 1-17-11 19:32:08
Operator: LAC
Sample : DEISEL 800/1000
Inst : Apollo
Misc : Mix(A)
Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 18 10:02 2011 Quant Results File: TPHD0117.RES

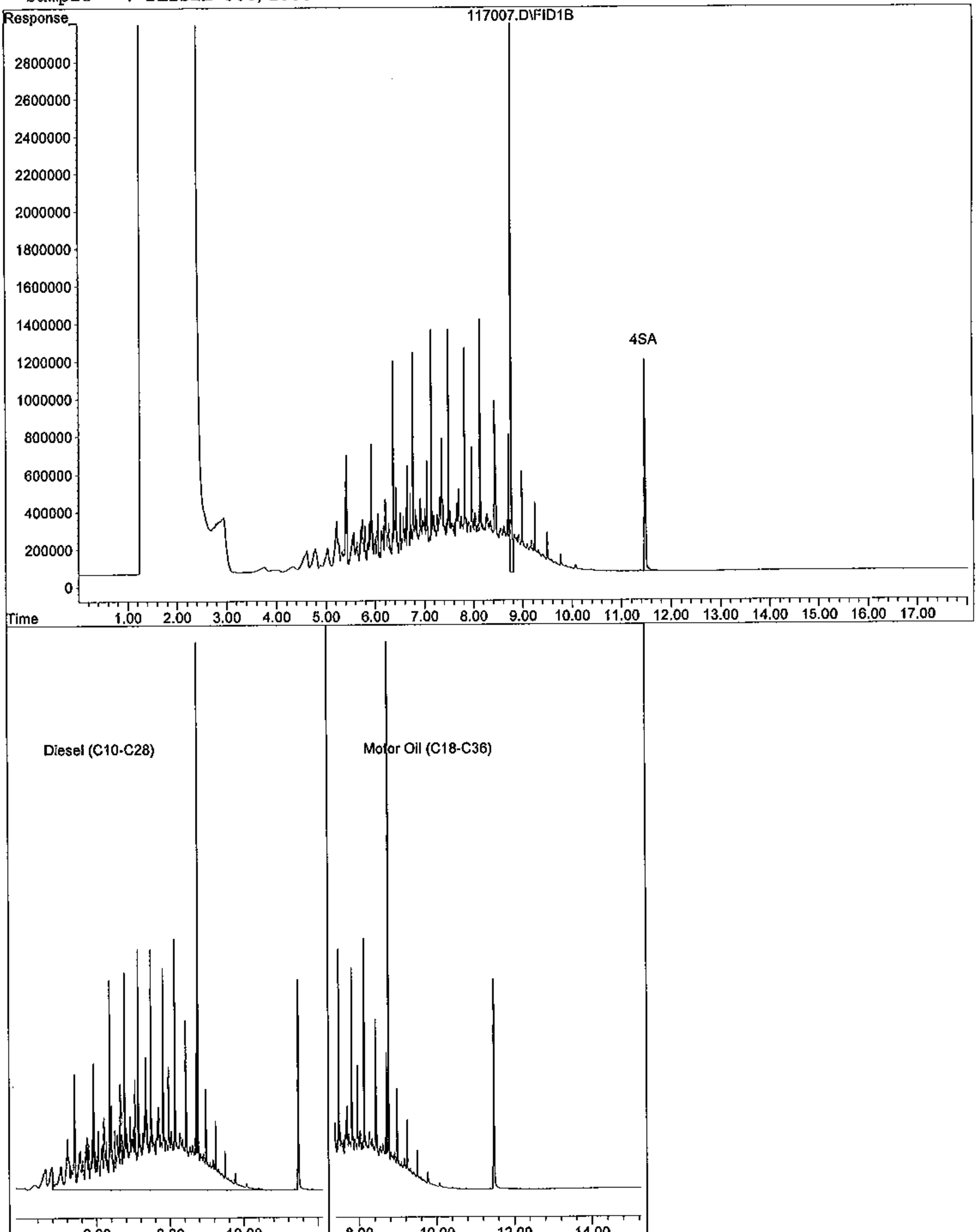
Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	38677905	43.536 ppb
Surrogate Spike 30.000	Recovery	=	145.12%
4) SA Octacosane(S)	11.47	18654353	8465.924 ppb
Surrogate Spike 30.000	Recovery	=	28219.75%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	609447121	860.068 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110117\117007.D
Sample : DEISEL 800/1000



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110117\117008.D Vial: 8
Acq On : 1-17-11 19:55:57 Operator: LAC
Sample : DEISEL 1000/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 18 10:02 2011 Quant Results File: TPHD0117.RES

Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

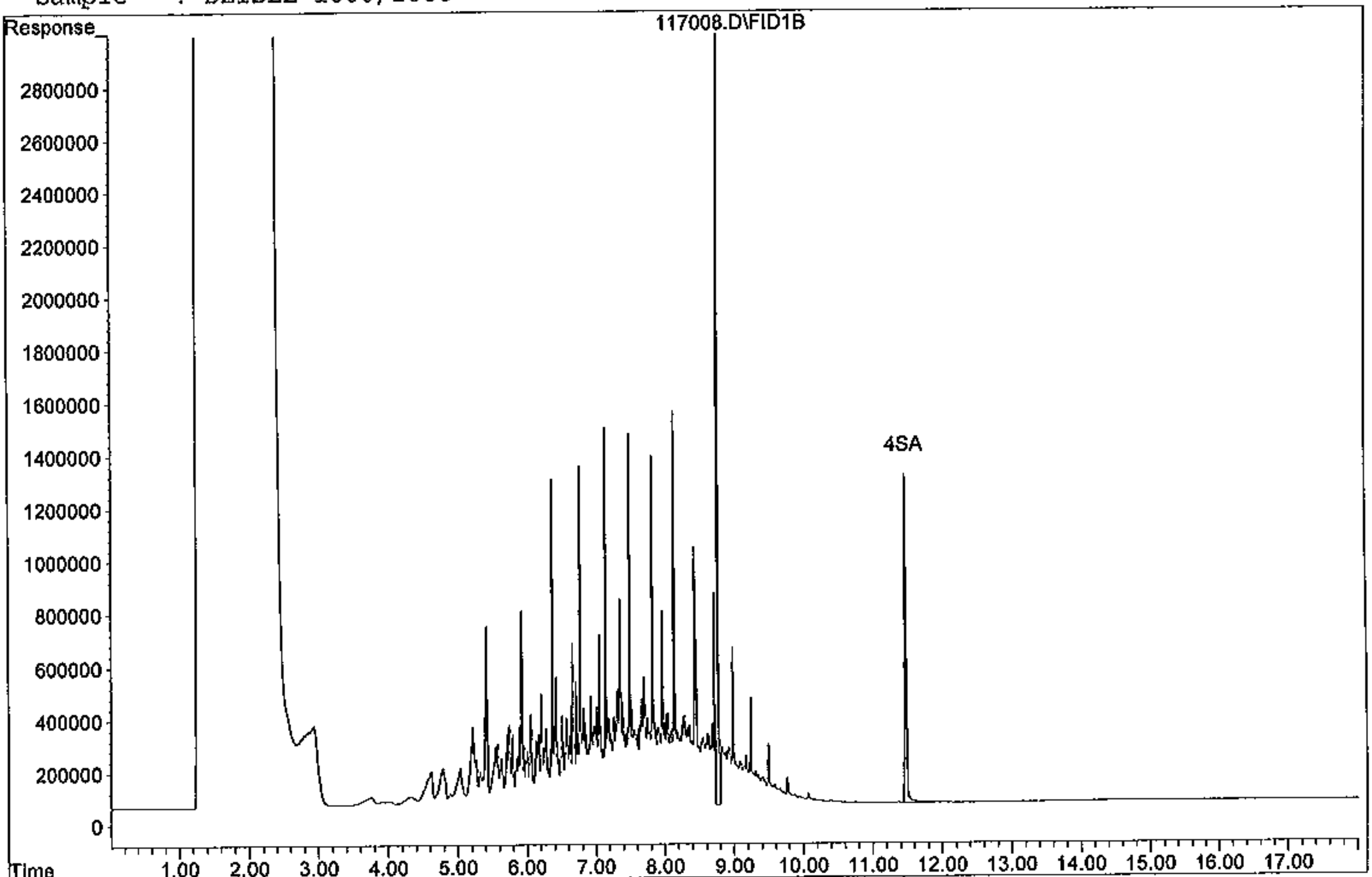
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

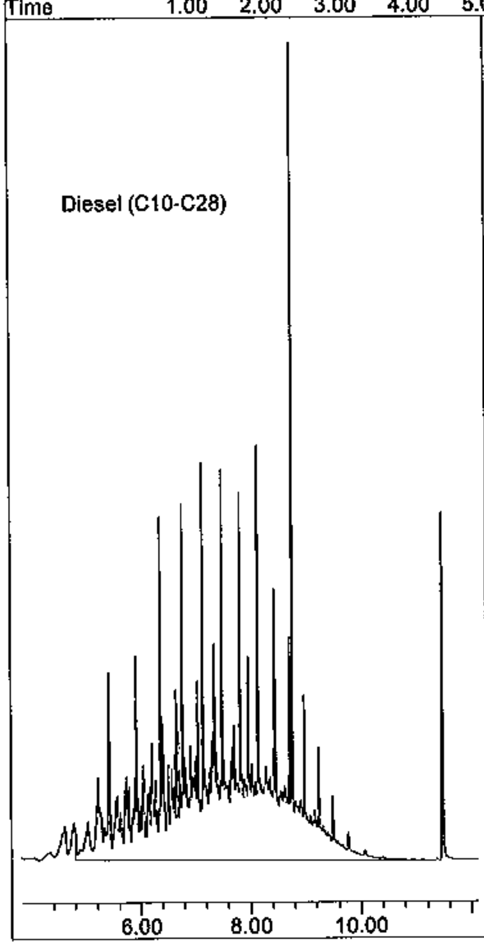
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	41957778	47.228 ppb
Surrogate Spike 30.000	Recovery	=	157.43%
4) SA Octacosane(S)	11.48	20473028	9291.295 ppb
Surrogate Spike 30.000	Recovery	=	30970.98%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	664170555	937.295 ppb

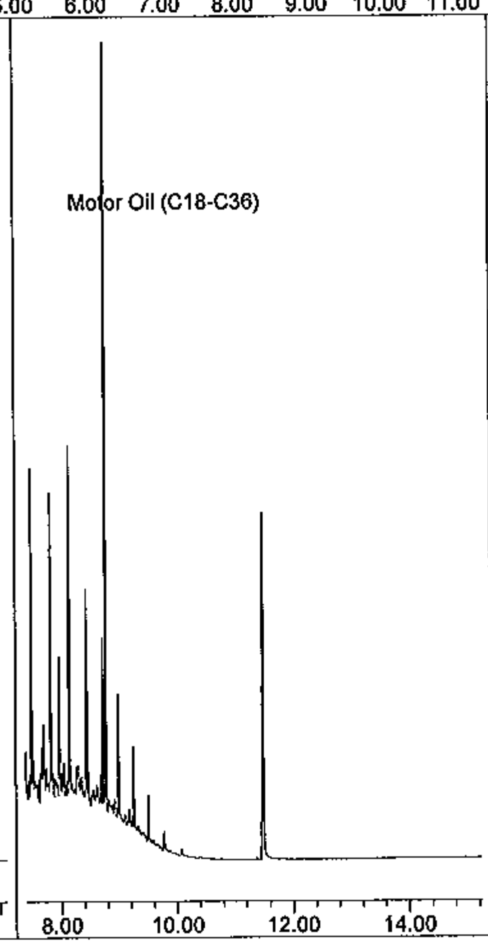
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110117\117008.D
Sample : DEISEL 1000/1000







TPH Extractables
TPHD0117

Form 7
Second Source Calibration

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

SDG No: 63694
Date Analyzed: 1/17/2011
Instrument: Apollo
Initial Cal. Date: 1/17/2011
Data File: 117015.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	354302	375330	5.9	HATM	
2							
3							
4							
5							
6							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			5.9		

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110117\117015.D                    Vial: 15
Acq On    : 1-17-11 22:42:05                              Operator: LAC
Sample    : DEISEL 2ND SRC                                Inst    : Apollo
Misc      : Mix(A)                                        Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 18  9:54 2011  Quant Results File: TPHD0117.RES

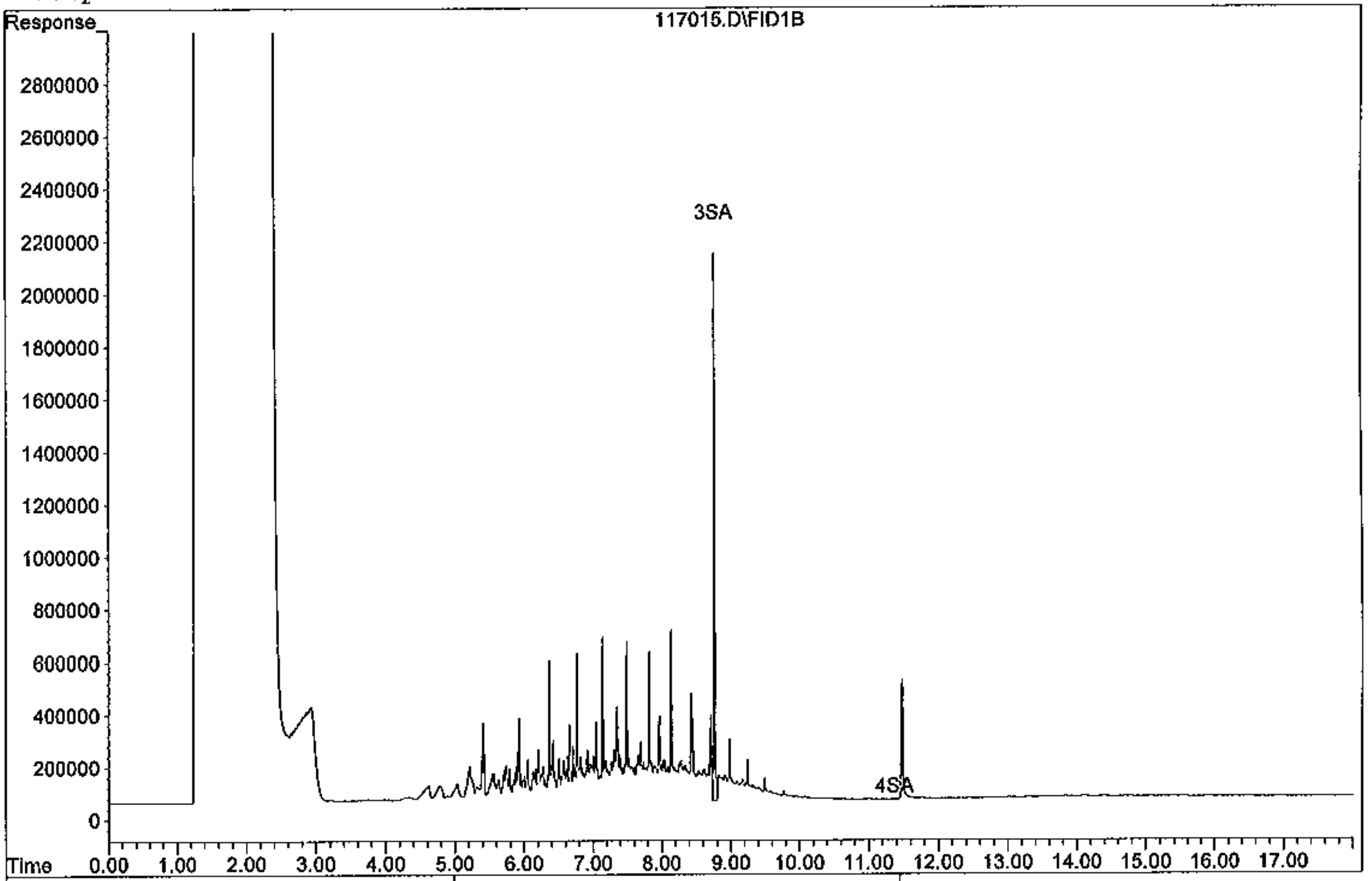
Method       : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title        : Diesel
Last Update  : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

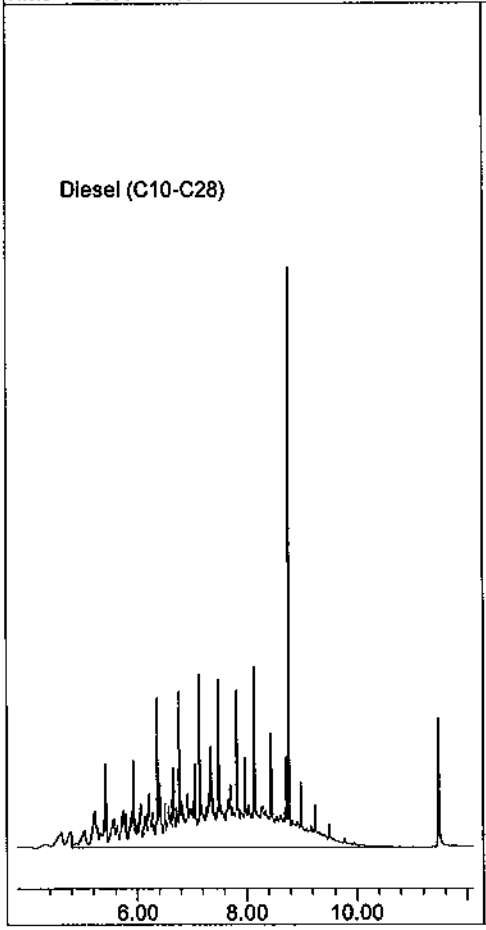
Volume Inj.  : 2UL
Signal Phase : DB-5
Signal Info  : FID02A
```

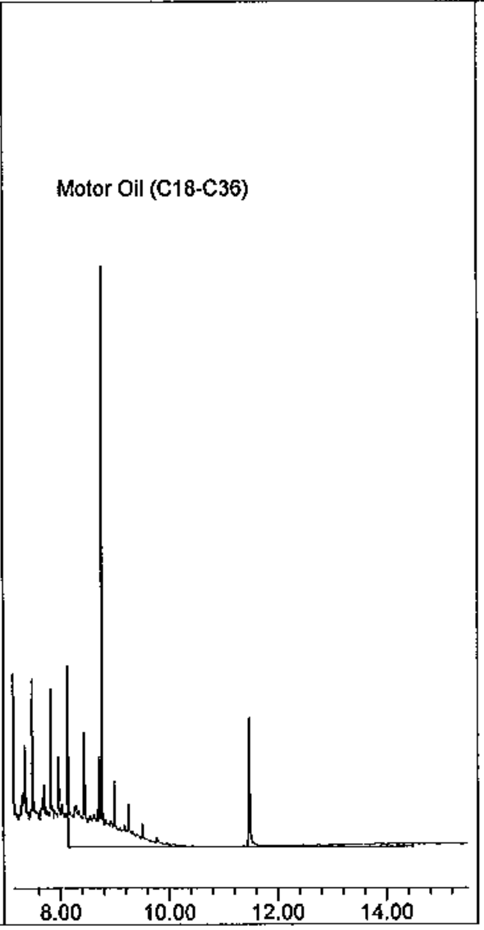
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.76	17613612	19.826 ppb
Surrogate Spike 30.000		Recovery =	66.09%
4) SA Octacosane(S)	11.37	79569	36.111 ppb
Surrogate Spike 30.000		Recovery =	120.37%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	300264365	423.741 ppb
2) HBTM Motor Oil (C18-C36)	11.31	101037738	365.489 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110117\117015.D
Sample : DEISEL 2ND SRC







TPH Extractables
TPHD0117

Form 7

Continuing Calibration

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

SDG No: 63694
Date Analyzed: 2/2/2011
Instrument: Apollo
Initial Cal. Date: 1/17/2011
Data File: 202002.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	354302	373744	5.5	HATM	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
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35							
36							
37							
38							
39							
		Average			5.5		

TPH Extractables

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110202\202002.D Vial: 2
Acq On : 2-2-11 17:48:29 Operator: LAC
Sample : DIESEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 3 9:01 2011 Quant Results File: TPHD0117.RES

Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

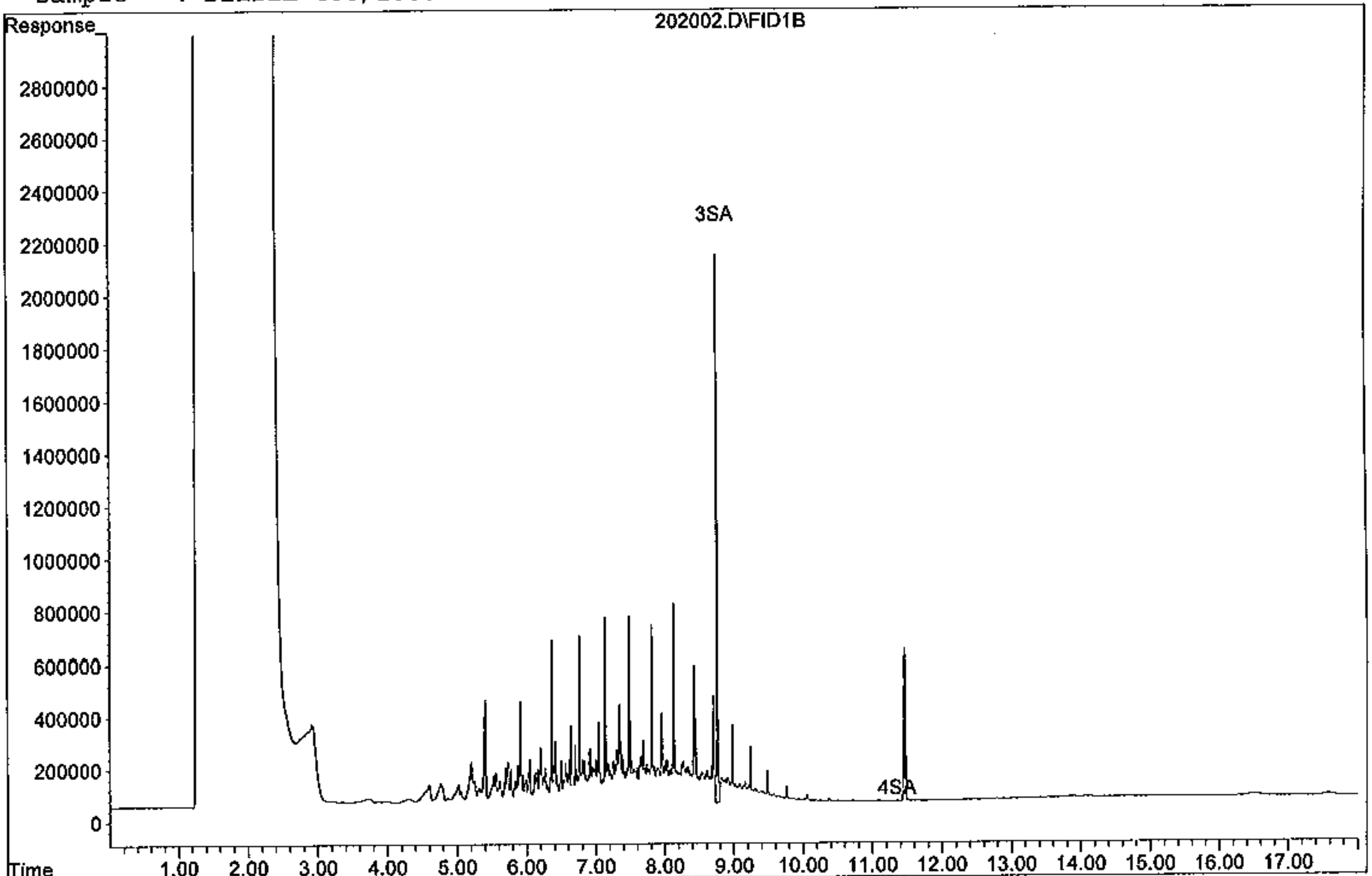
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

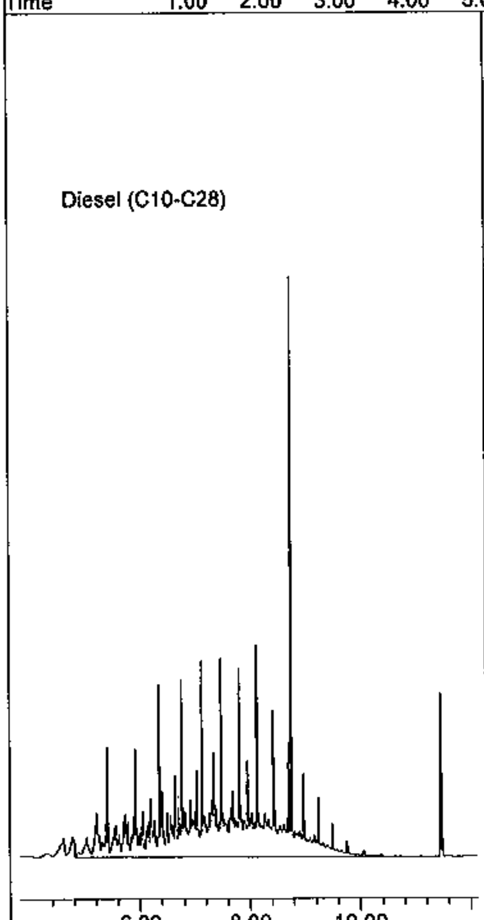
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.76	17621217	19.834 ppb
Surrogate Spike 30.000		Recovery =	66.11%
4) SA Octacosane(S)	11.36	46751	0.108 ppb
Surrogate Spike 30.000		Recovery =	0.36%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	298995085	421.950 ppb
2) HBTM Motor Oil (C18-C36)	11.31	101182962	366.014 ppb

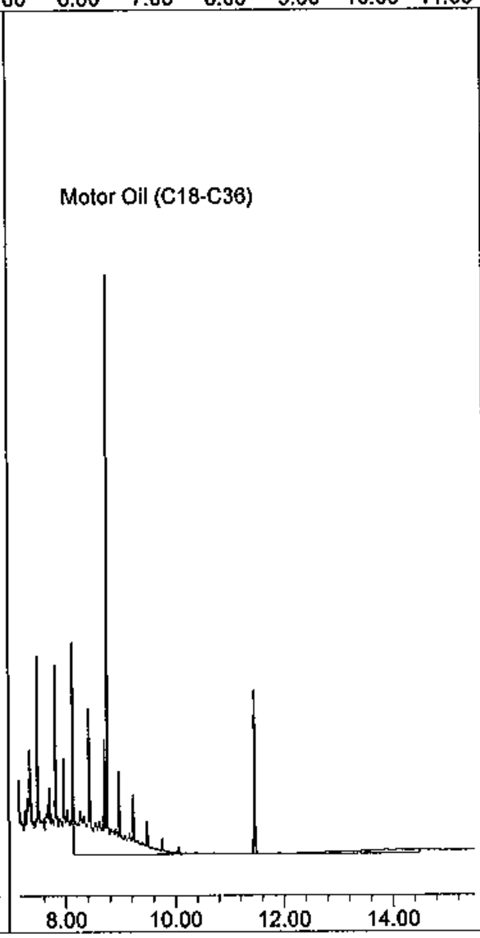
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202002.D
Sample : DIESEL 400/1000







TPH Extractables
TPHD0117

Form 7
Continuing Calibration

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

SDG No: 63694
Date Analyzed: 2/3/2011
Instrument: Apollo
Initial Cal. Date: 1/17/2011
Data File: 202020.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	354302	401253	13	HATM	
2							
3							
4							
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9							
10							
11							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			13.0		

Data File : G:\APOLLO\DATA\110202\202020.D   Vial: 20
Acq On : 2-3-11 0:55:05   Operator: LAC
Sample : DIESEL 400/1000   Inst : Apollo
Misc : Mix(A)   Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 3 9:04 2011 Quant Results File: TPHD0117.RES

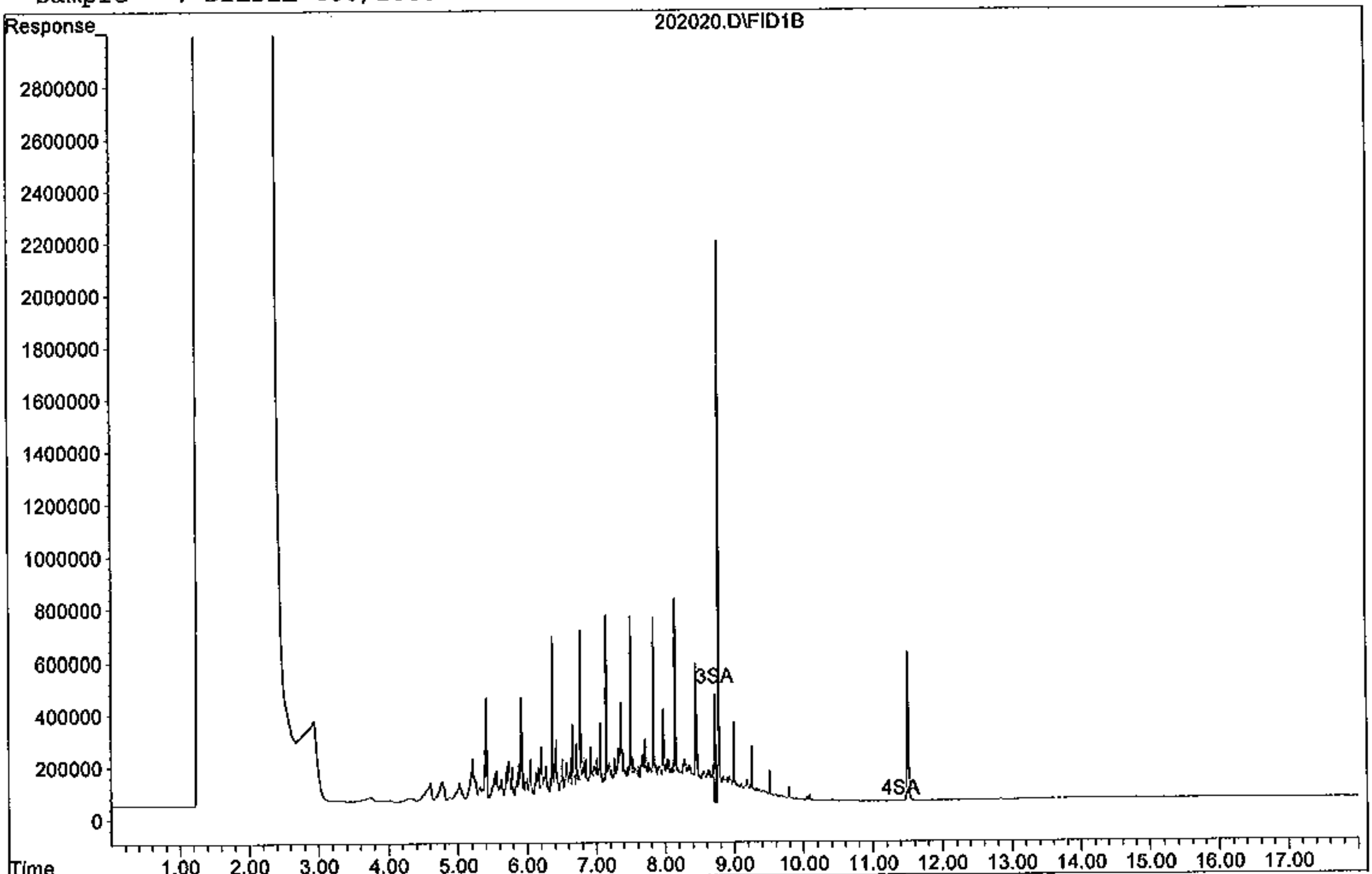
Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

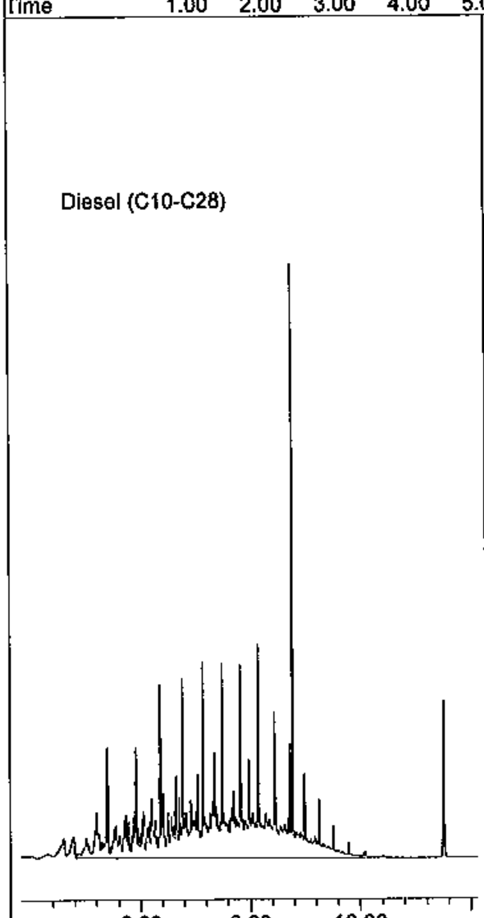
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

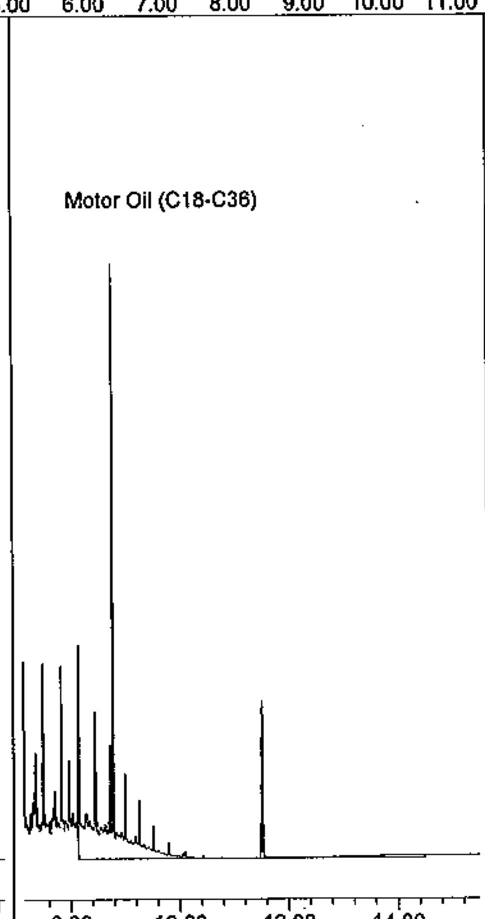
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.73	4426805	4.983 ppb
Surrogate Spike 30.000		Recovery =	16.61%
4) SA Octacosane(S)	11.40	51501	0.119 ppb
Surrogate Spike 30.000		Recovery =	0.40%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	321002757	453.008 ppb
2) HBTM Motor Oil (C18-C36)	11.31	121804716	440.610 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202020.D
Sample   : DIESEL 400/1000







202020.D TPHD0117.M Thu Feb 17 14:53:55 2011

TPH Extractables
TPHD0117

Form 7
Continuing Calibration

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

SDG No: 63694
Date Analyzed: 2/3/2011
Instrument: Apollo
Initial Cal. Date: 1/17/2011
Data File: 202039.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	354302	394684	11	HATM	
2							
3							
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39							
40							
		Average			11.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110202\202039.D
Acq On : 2-3-11 8:26:09
Sample : DIESEL 400/1000
Misc : Mix(A)
IntFile : events.e
Quant Time: Feb 3 8:45 2011 Quant Results File: TPHD0117.RES

Vial: 39
Operator: LAC
Inst : Apollo
Multiplr: 1.00

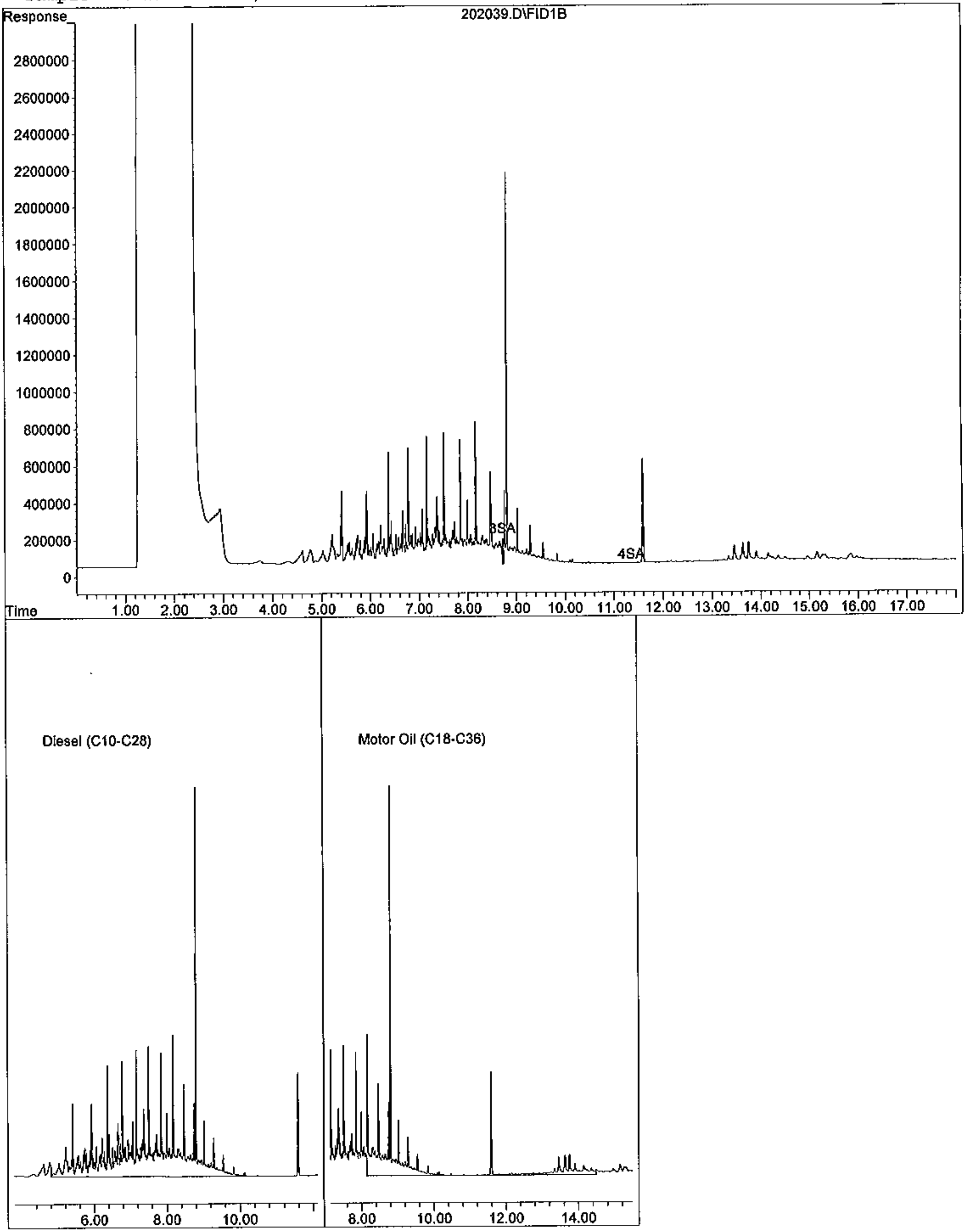
Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.72	2090048	2.353 ppb
Surrogate Spike 30.000		Recovery =	7.84%
4) SA Octacosane(S)	11.35	21069	0.049 ppb
Surrogate Spike 30.000		Recovery =	0.16%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	315747217	445.591 ppb
2) HBTM Motor Oil (C18-C36)	11.31	140883258	509.624 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202039.D
Sample   : DIESEL 400/1000



TPH Extractables
TPHD0117

Form 7

Continuing Calibration

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

SDG No: 63694
Date Analyzed: 2/3/2011
Instrument: Apollo
Initial Cal. Date: 1/17/2011
Data File: 202053.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	354302	368773	4.1	HATM	
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39							
40							
		Average			4.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110202\202053.D
Vial: 53
Acq On : 2-3-11 16:10:49
Operator: LAC
Sample : DIESEL 400/1000
Inst : Apollo
Misc : Mix(A)
Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 4 8:33 2011 Quant Results File: TPHD0117.RES

Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

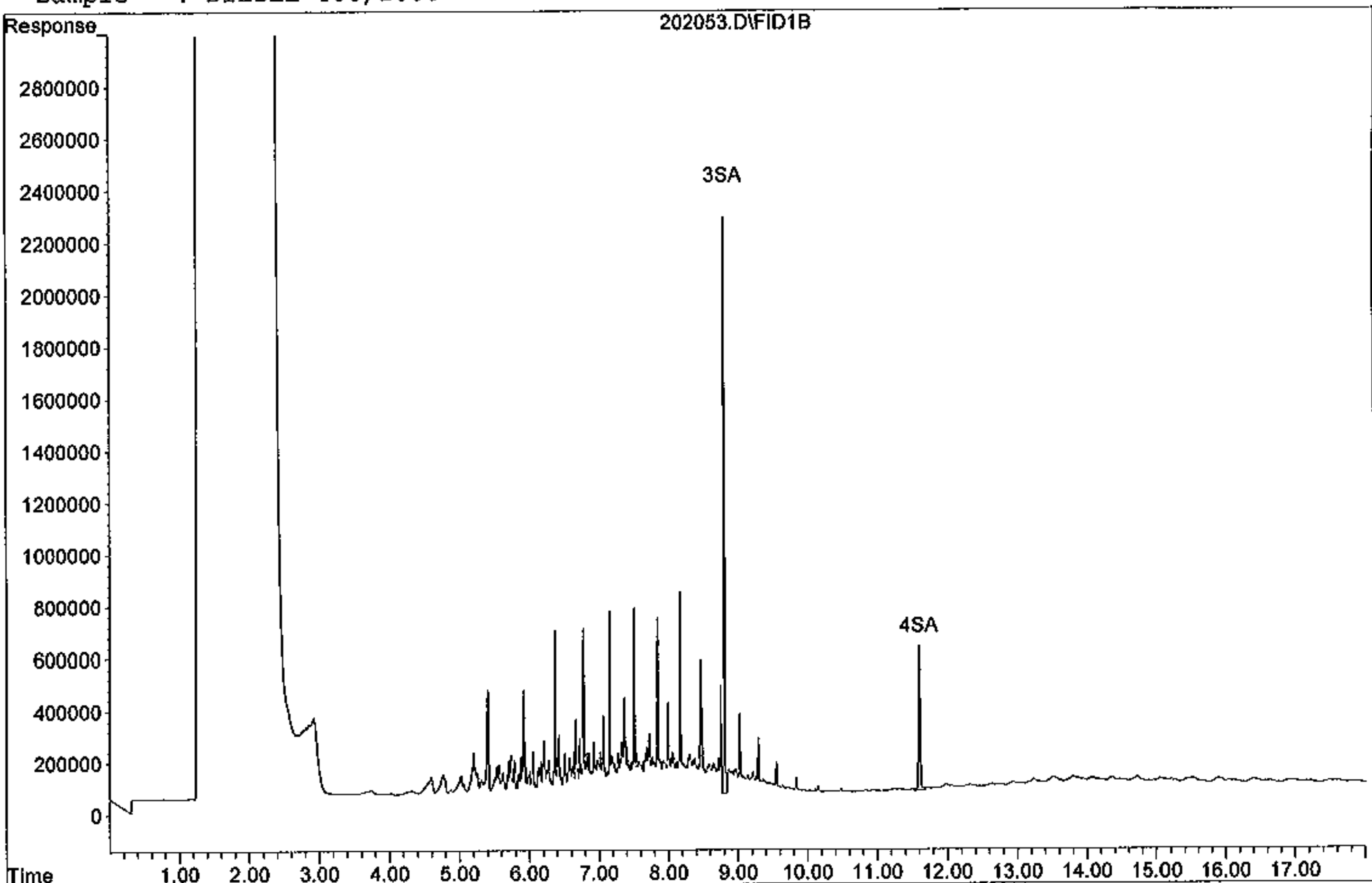
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

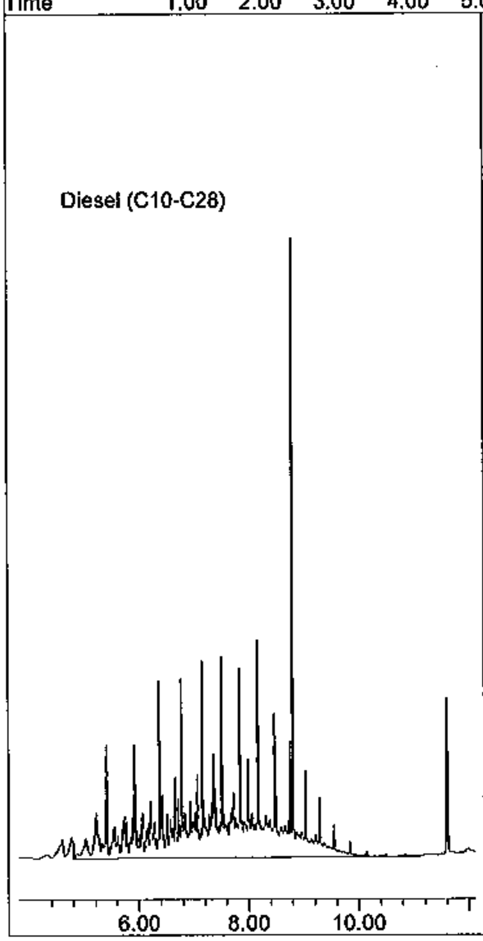
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.80	17971373	20.229 ppb
Surrogate Spike 21.493		Recovery =	94.12%
4) SA Octacosane(S)	11.60	9582031	22.094 ppb
Surrogate Spike 29.733		Recovery =	74.31%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	295018399	416.338 ppb
2) HBTM Motor Oil (C18-C36)	11.31	130669301	472.676 ppb

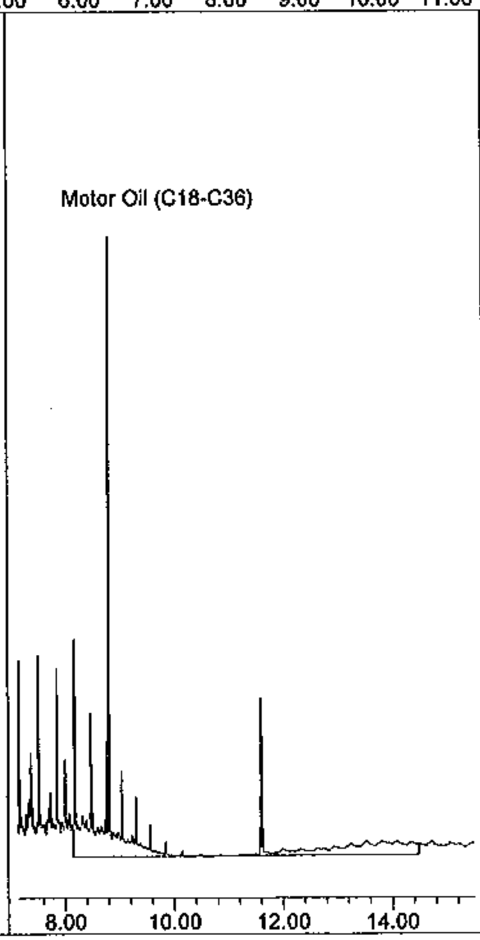
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202053.D
Sample : DIESEL 400/1000







TPH Extractables
TPHD0212

Form 6
Initial Calibration

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

SDG No: 63694
Initial Cal. Date: 2/12/2011
Instrument: Apollo

Initials: LAC

			212010.D	212011.D	212012.D	212013.D	212014.D	212015.D								
		Compound	1	2	3	4	5	6					Avg	%RSD		
1	HATML	Diesel (C10-C28)	357420	168155	191846	194772	183860	208003					217343	32	HATML	0.992
2	HBTML	Motor Oil (C18-C36)	132739	74317	70911	81691	73398	78798					85309	28	HBTML	0.992
3	SA	Ortho-Terphenyl(S)	404545	253425	266768	269392	253466	287264					289143	20	SA	
4	SA	Octacosane(S)		133545	138289	144772	131133	147901					139128	5.1	SA	
5																
6																
7																
8																
9																
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2.4264995

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110212\212004.D          Vial: 4
Acq On    : 2-12-11 14:52:03                    Operator: LAC
Sample    : DIESEL 10/1000                      Inst    : Apollo
Misc      : Mix(A)                              Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  9:14 2011  Quant Results File: TPHD0212.RES

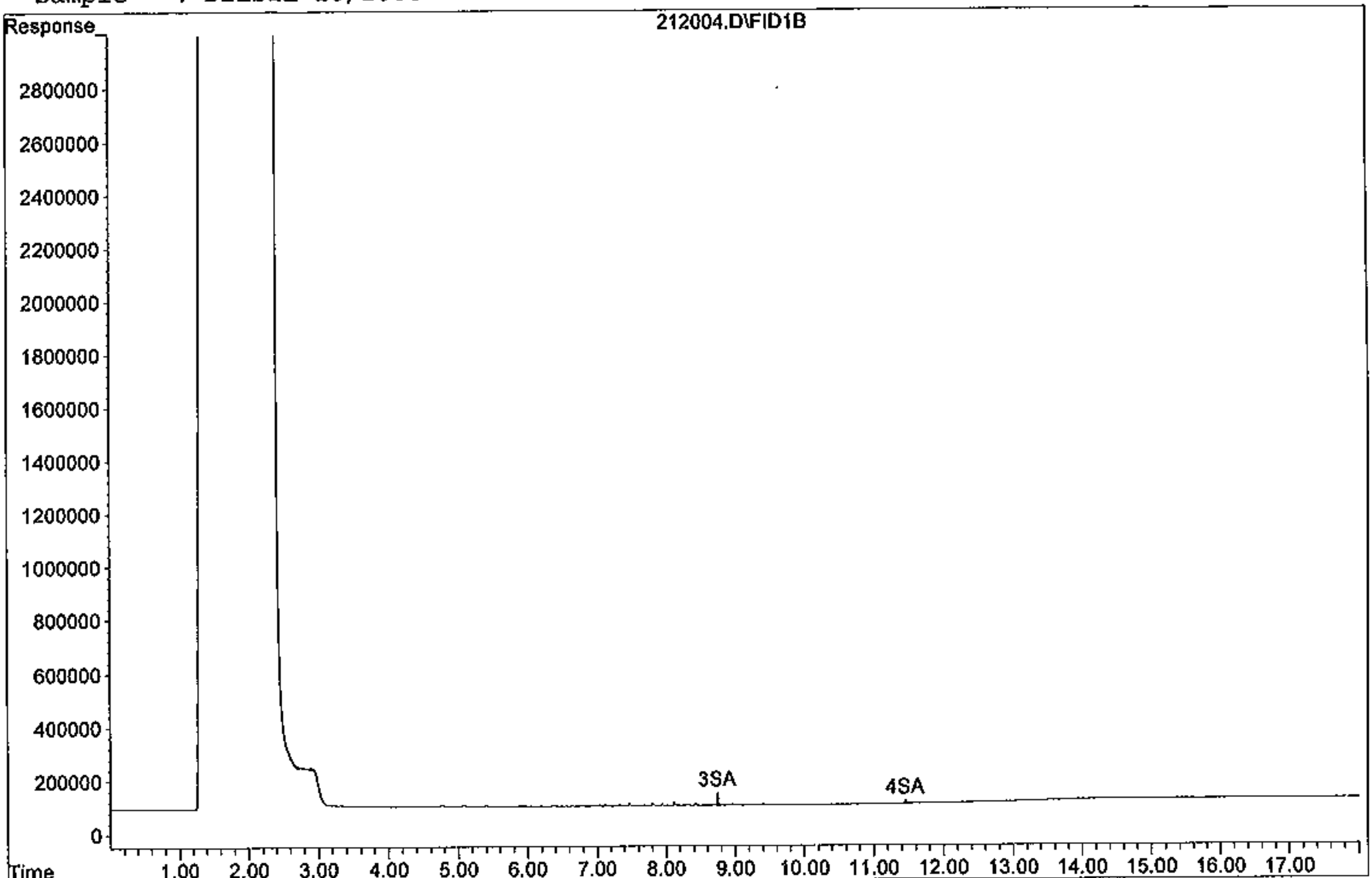
Method        : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Thu Feb 17 14:14:12 2011
Response via  : Multiple Level Calibration

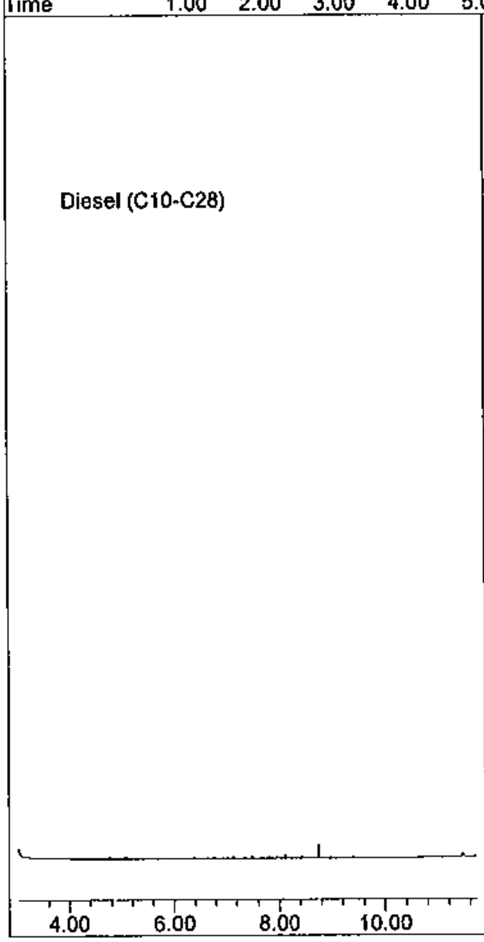
Volume Inj.   : 2UL
Signal Phase  : DB-5
Signal Info   : FID02A
```

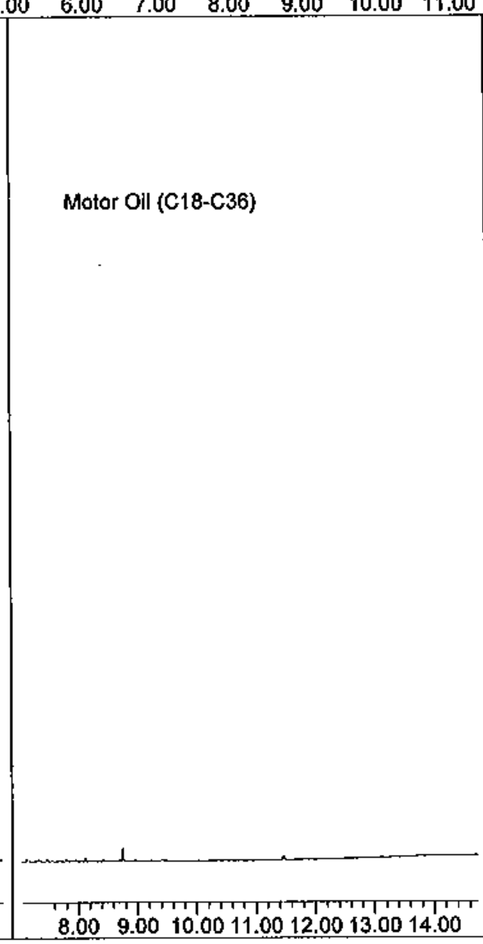
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.75	404545	0.455 ppb
Surrogate Spike 53.700	Recovery	=	0.85%
4) SA Octacosane(S)	11.45	246415	0.568 ppb
Surrogate Spike 74.300	Recovery	=	0.76%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	7148402	10.088 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212004.D
Sample   : DIESEL 10/1000







Data File : G:\APOLLO\DATA\110212\212005.D Vial: 5
Acq On : 2-12-11 15:17:04 Operator: LAC
Sample : DIESEL 100/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

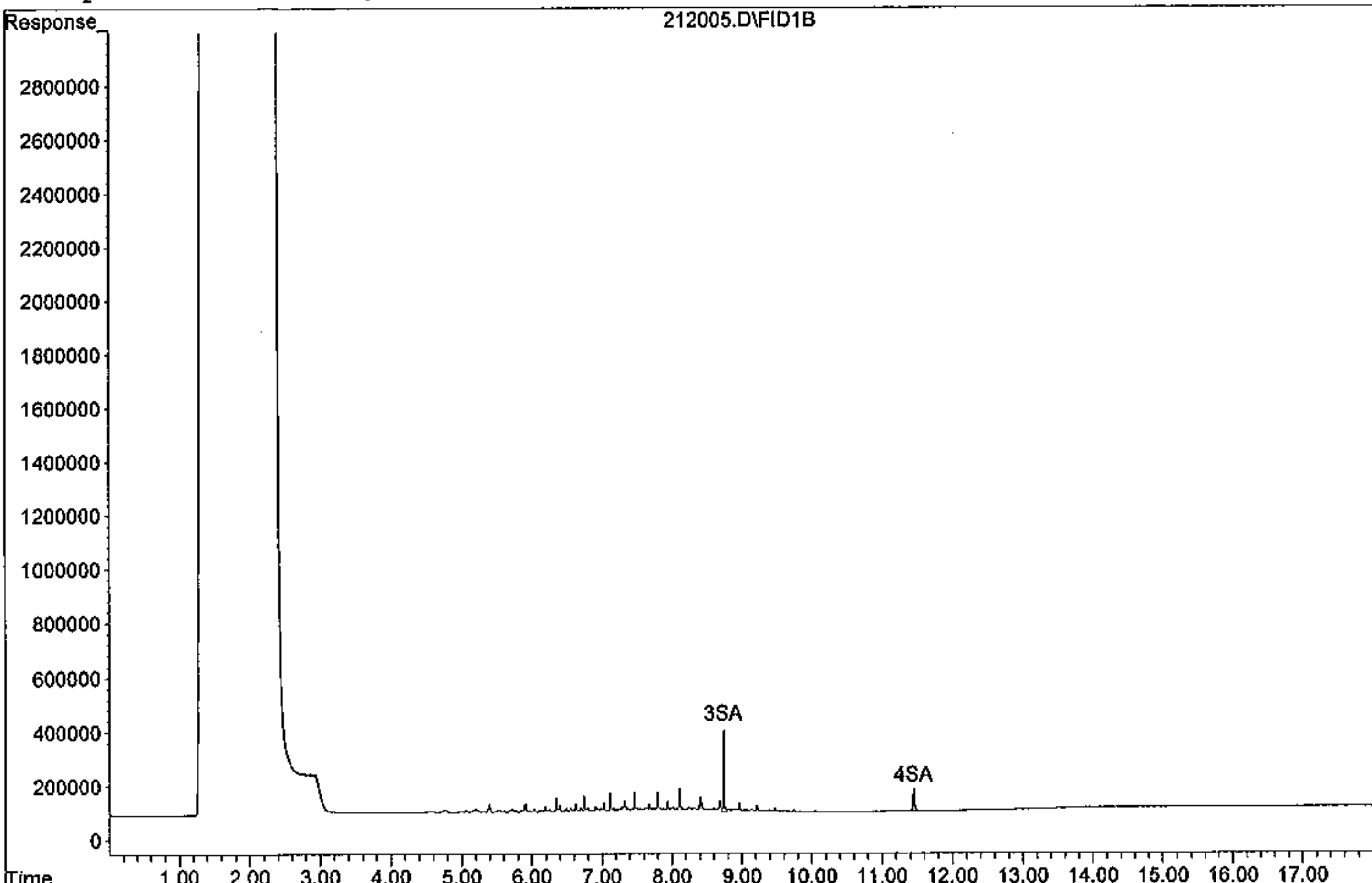
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

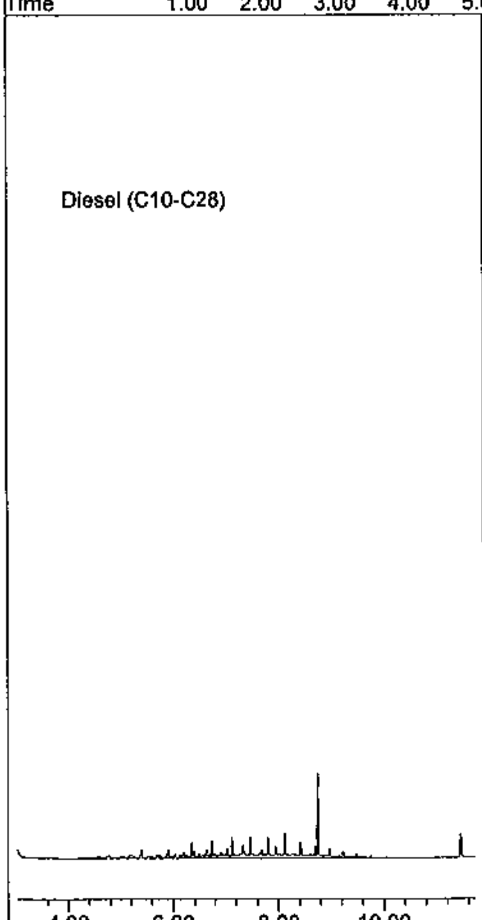
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

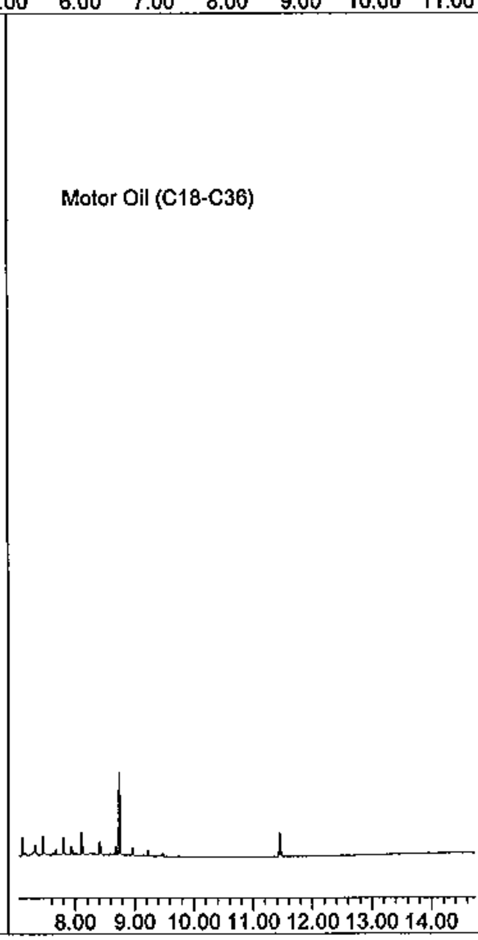
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	2534246	2.853 ppb
Surrogate Spike 53.700	Recovery	=	5.31%
4) SA Octacosane(S)	11.45	1335451	3.079 ppb
Surrogate Spike 74.300	Recovery	=	4.14%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	33631068	47.461 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110212\212005.D
Sample   : DIESEL 100/1000







Quantitation Report (Not Reviewed)

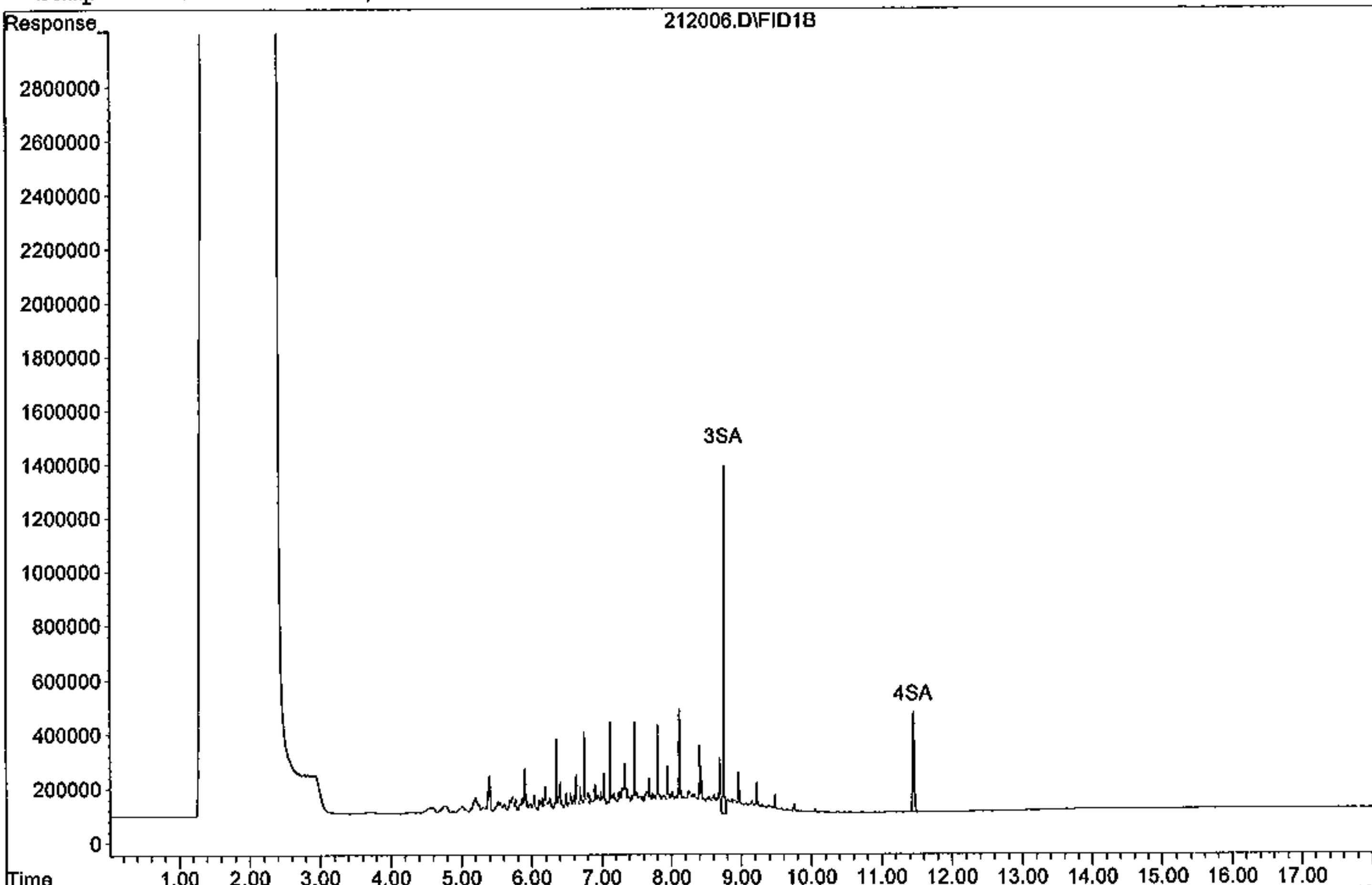
```
Data File : G:\APOLLO\DATA\110212\212006.D              Vial: 6
Acq On    : 2-12-11 15:42:04                        Operator: LAC
Sample    : DIESEL 400/1000                         Inst    : Apollo
Misc      : Mix(A)                                  Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  9:14 2011  Quant Results File: TPHD0212.RES

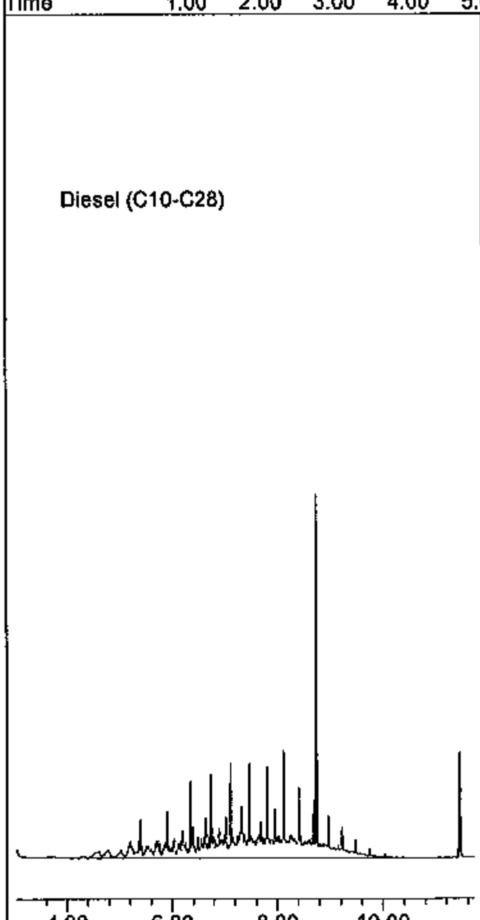
Method       : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title        : Diesel
Last Update  : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

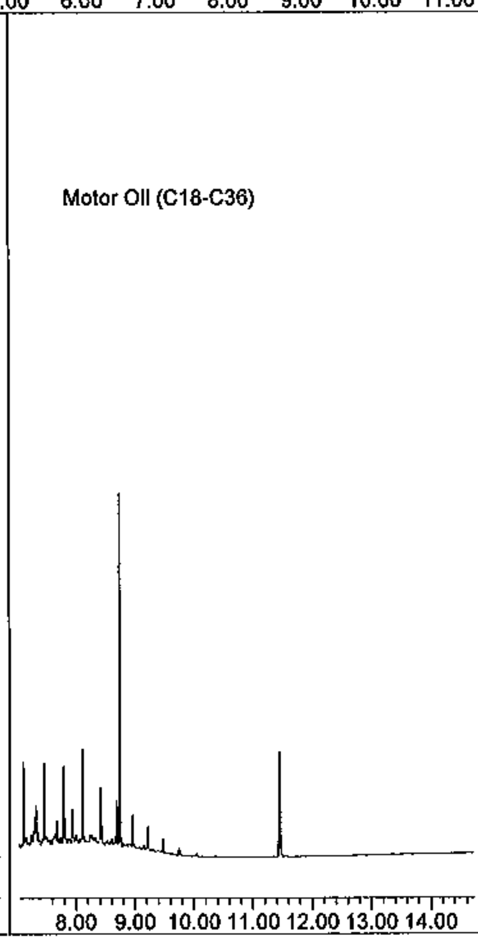
Volume Inj.  : 2UL
Signal Phase : DB-5
Signal Info  : FID02A
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	10670701	12.011 ppb
Surrogate Spike 53.700		Recovery =	22.37%
4) SA Octacosane(S)	11.45	5531568	12.754 ppb
Surrogate Spike 74.300		Recovery =	17.17%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	153476924	216.591 ppb

Data File: G:\APOLLO\DATA\110212\212006.D
Sample : DIESEL 400/1000







```
Data File : G:\APOLLO\DATA\110212\212007.D              Vial: 7
Acq On    : 2-12-11 16:07:02                        Operator: LAC
Sample    : DIESEL 600/1000                         Inst     : Apollo
Misc      : Mix(A)                                  Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  9:14 2011  Quant Results File: TPHD0212.RES

Method       : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title        : Diesel
Last Update  : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

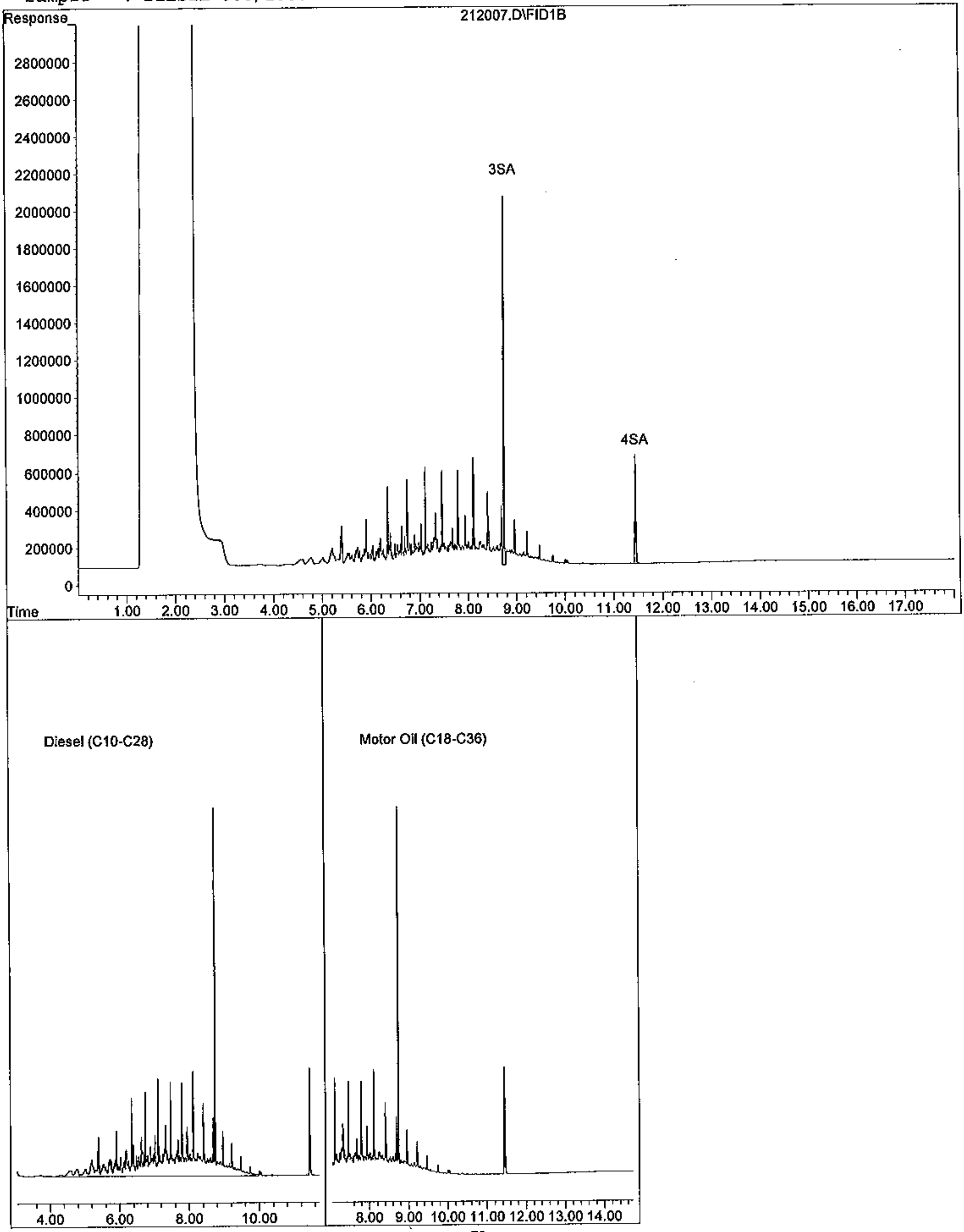
Volume Inj.  : 2UL
Signal Phase : DB-5
Signal Info  : FID02A
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	16163519	18.194 ppb
Surrogate Spike 53.700	Recovery	=	33.88%
4) SA Octacosane(S)	11.45	8686305	20.028 ppb
Surrogate Spike 74.300	Recovery	=	26.96%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	233726536	329.841 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212007.D
Sample : DIESEL 600/1000



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212008.D
Acq On : 2-12-11 16:32:01
Sample : DIESEL 800/1000
Misc : Mix(A)
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

Vial: 8
Operator: LAC
Inst : Apollo
Multiplr: 1.00

Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

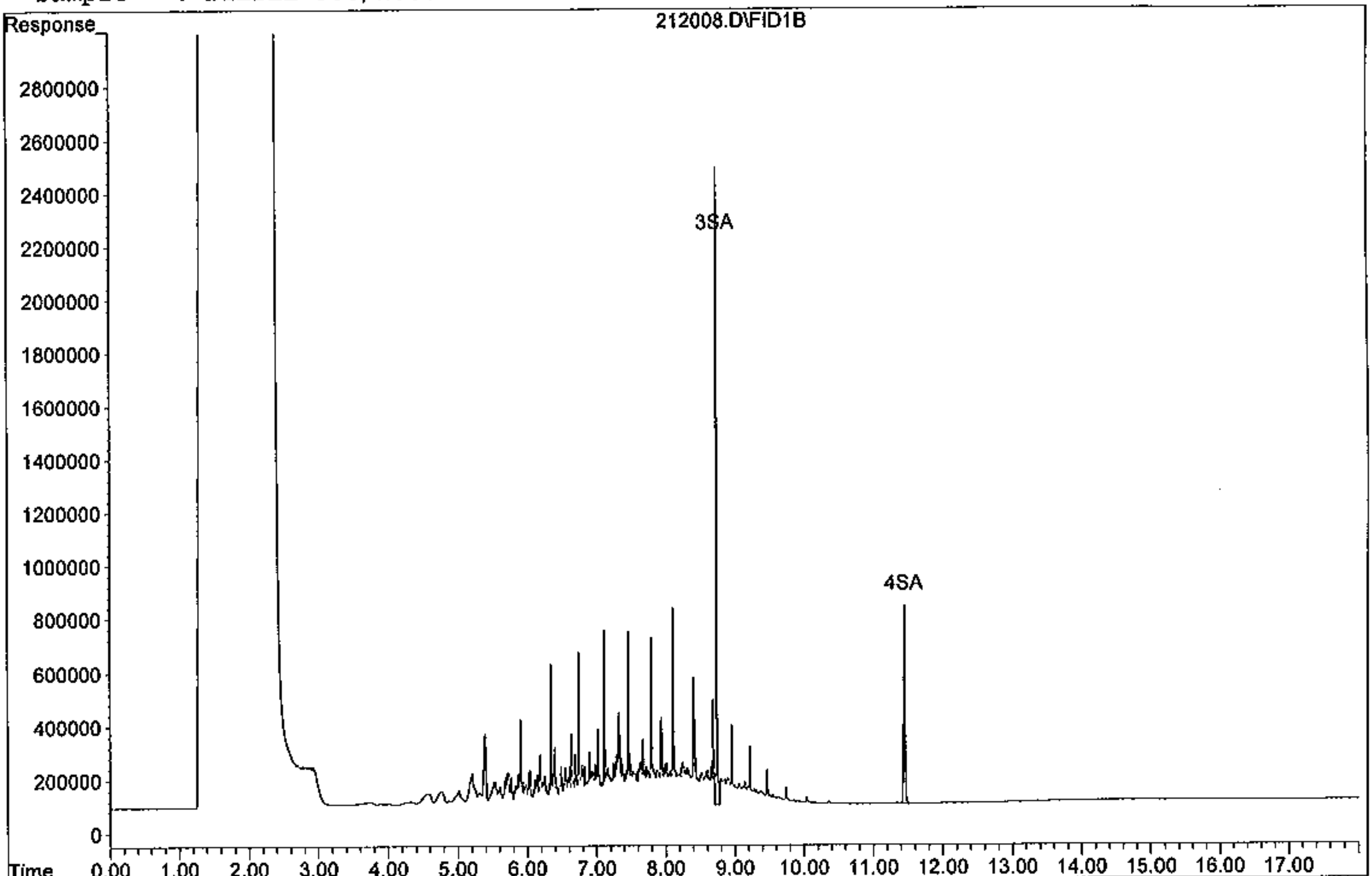
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

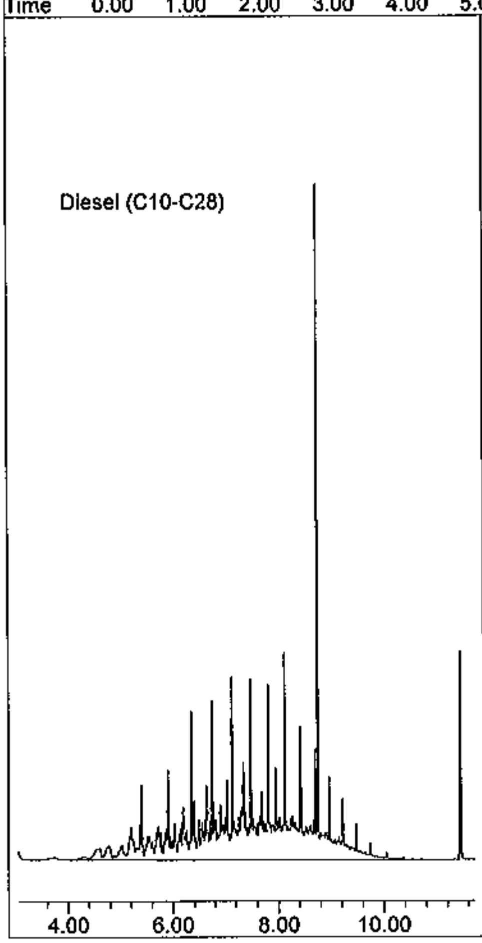
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	20277318	22.824 ppb
Surrogate Spike 53.700		Recovery =	42.50%
4) SA Octacosane(S)	11.45	10490641	24.189 ppb
Surrogate Spike 74.300		Recovery =	32.56%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	294175226	415.148 ppb

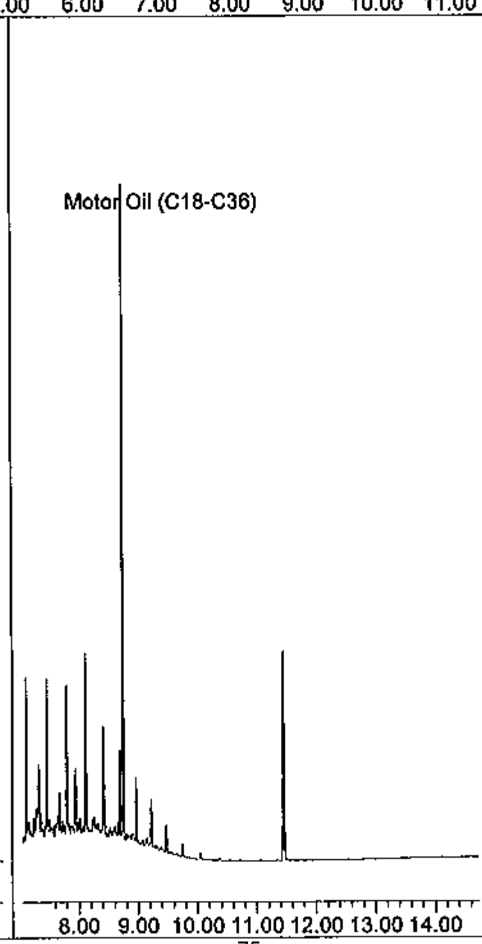
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212008.D
Sample : DIESEL 800/1000







Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110212\212009.D              Vial: 9
Acq On    : 2-12-11 16:56:56                        Operator: LAC
Sample    : DIESEL 1000/1000                        Inst     : Apollo
Misc      : Mix(A)                                  Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  9:14 2011  Quant Results File: TPHD0212.RES

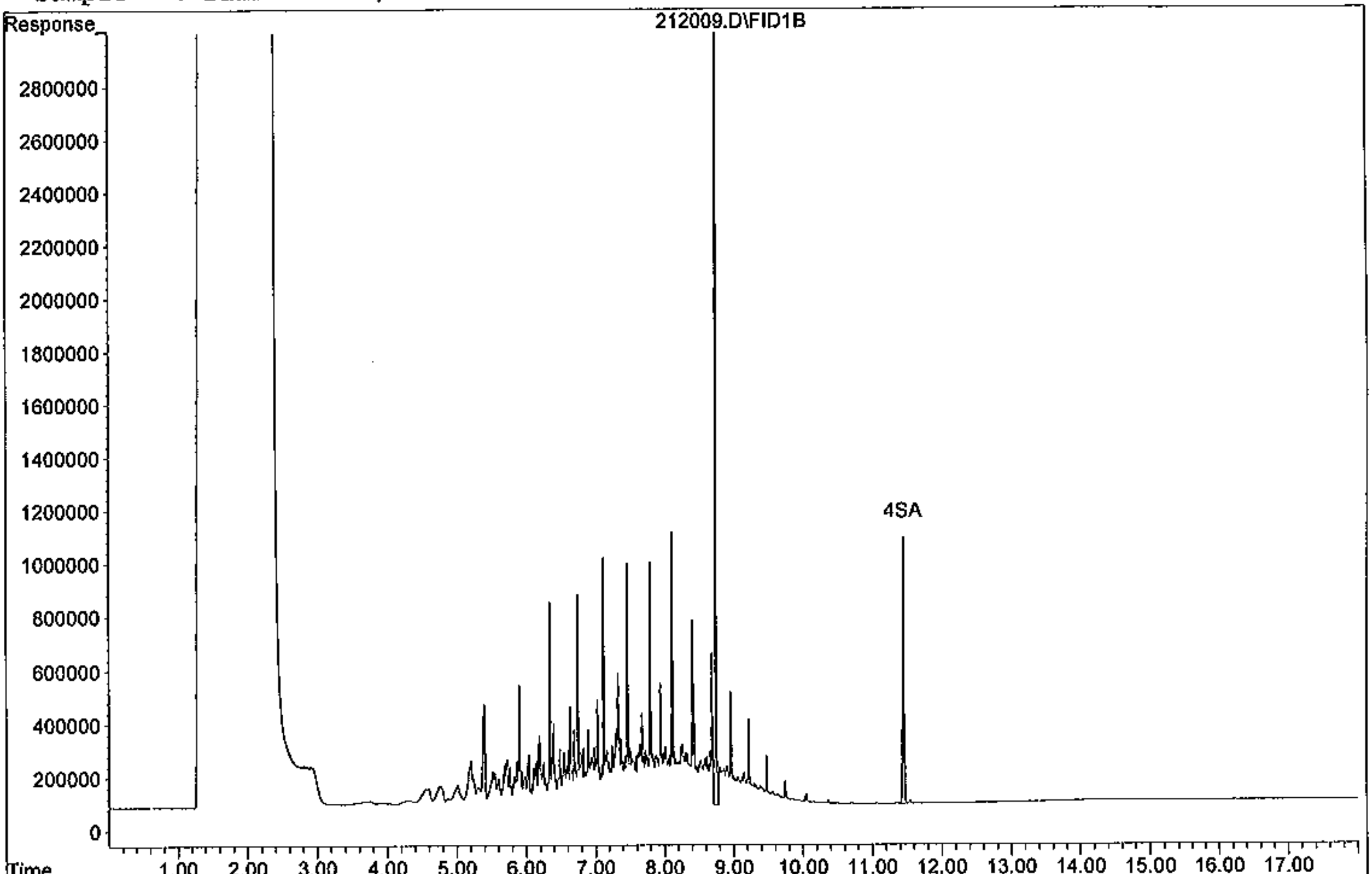
Method        : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Thu Feb 17 14:14:12 2011
Response via  : Multiple Level Calibration

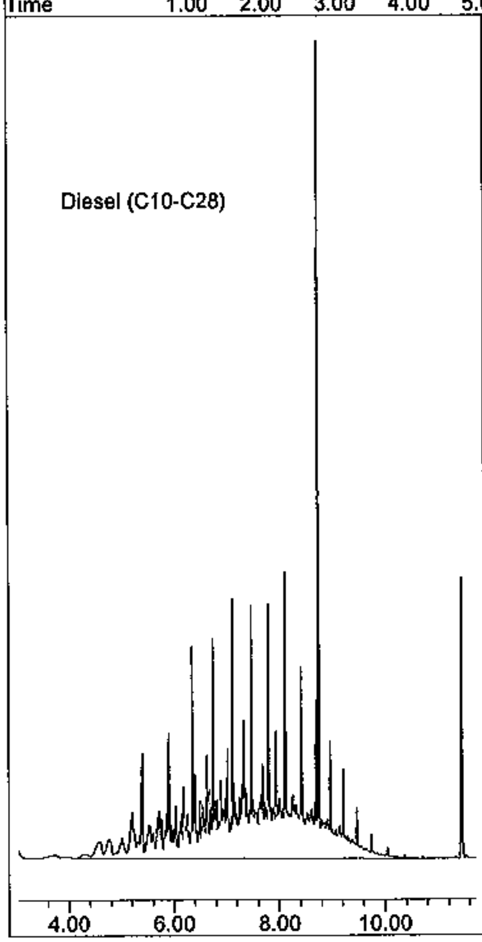
Volume Inj.   : 2UL
Signal Phase  : DB-5
Signal Info   : FID02A
```

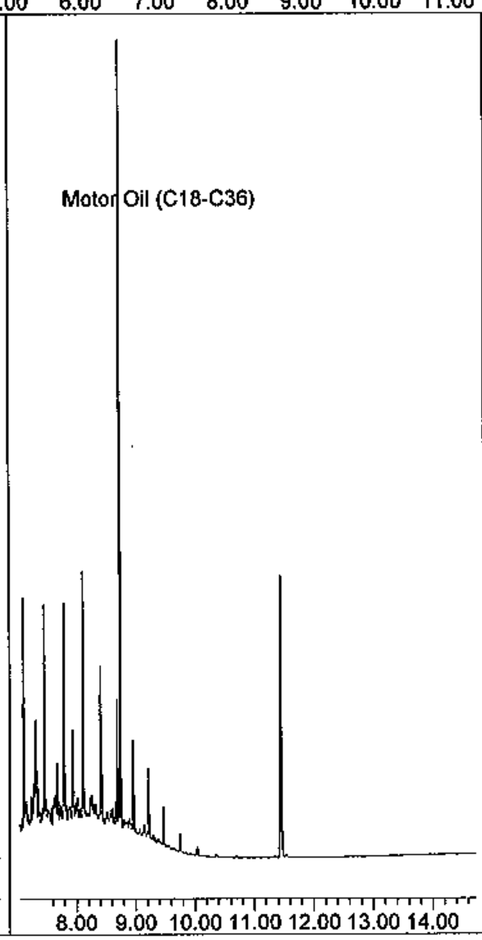
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.75	28726372	32.334 ppb
Surrogate Spike 53.700		Recovery =	60.21%
4) SA Octacosane(S)	11.45	14790129	34.102 ppb
Surrogate Spike 74.300		Recovery =	45.90%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	416005853	587.078 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212009.D
Sample : DIESEL 1000/1000







TPH Extractables
TPHD0212

Form 7

Second Source Calibration

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

SDG No: 63694
Date Analyzed: 2/12/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 212016.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	185908	14	HATML	4.3
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			14.0		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212016.D Vial: 16
Acq On : 2-12-11 19:49:59 Operator: LAC
Sample : DIESEL 400/1000 2ND SRC Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 15:18 2011 Quant Results File: TPHD0212.RES

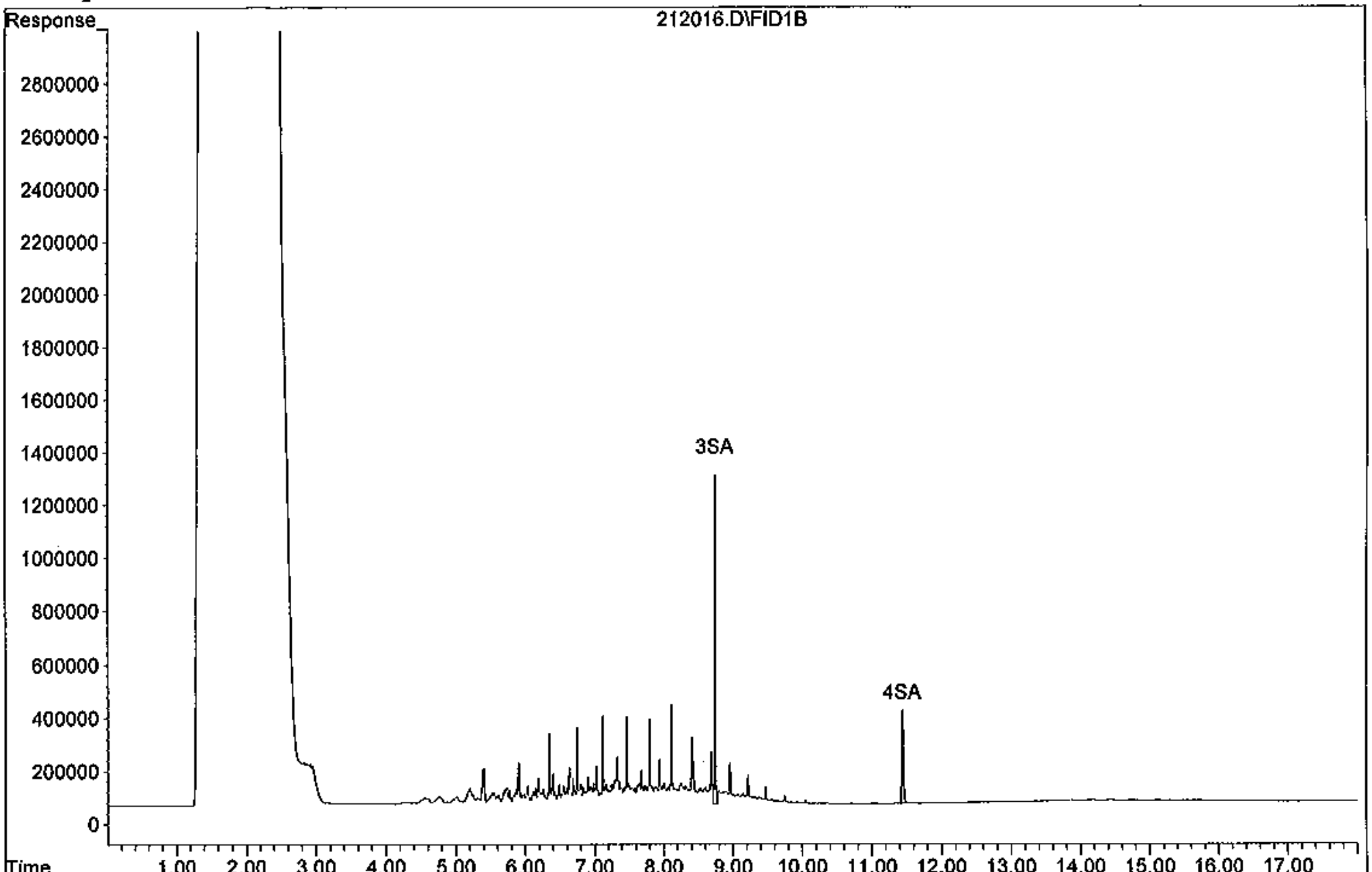
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

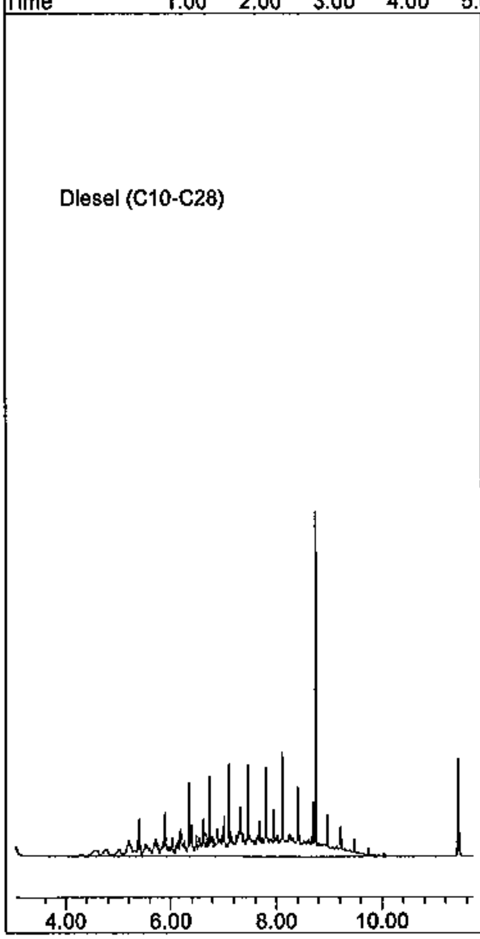
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

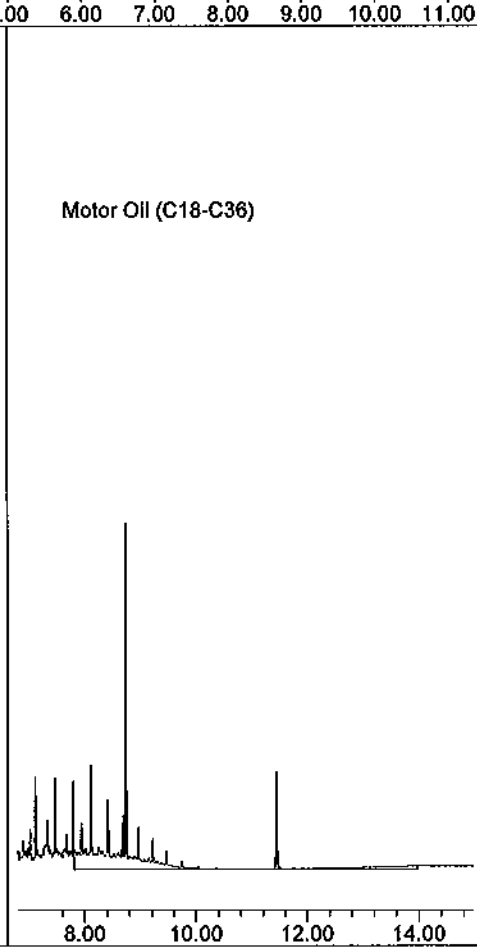
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	10291328	17.796 ppb
Surrogate Spike 21.493	Recovery	=	82.80%
4) SA Octacosane(S)	11.44	5569338	20.015 ppb
Surrogate Spike 29.733	Recovery	=	67.32%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	148726487	382.883 ppb
2) HBTM Motor Oil (C18-C36)	10.89	66214054	425.352 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212016.D
Sample : DIESEL 400/1000 2ND SRC







TPH Extractables
TPHD0212

Form 7
Continuing Calibration

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

SDG No: 63694
Date Analyzed: 2/17/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 216033.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	212772	2.1	HATML	8.1
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			2.1		

Quantitation Report (Not Reviewed)

Data File	: G:\APOLLO\DATA\110216\216033.D	Vial:	33
Acq On	: 2-17-11 8:53:40	Operator:	LAC
Sample	: DIESEL 600/1000	Inst :	Apollo
Misc	: Mix(A)	Multiplr:	1.00
IntFile	: events.e		
Quant Time:	Feb 17 15:02 2011 Quant Results File: TPHD0212.RES		

Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

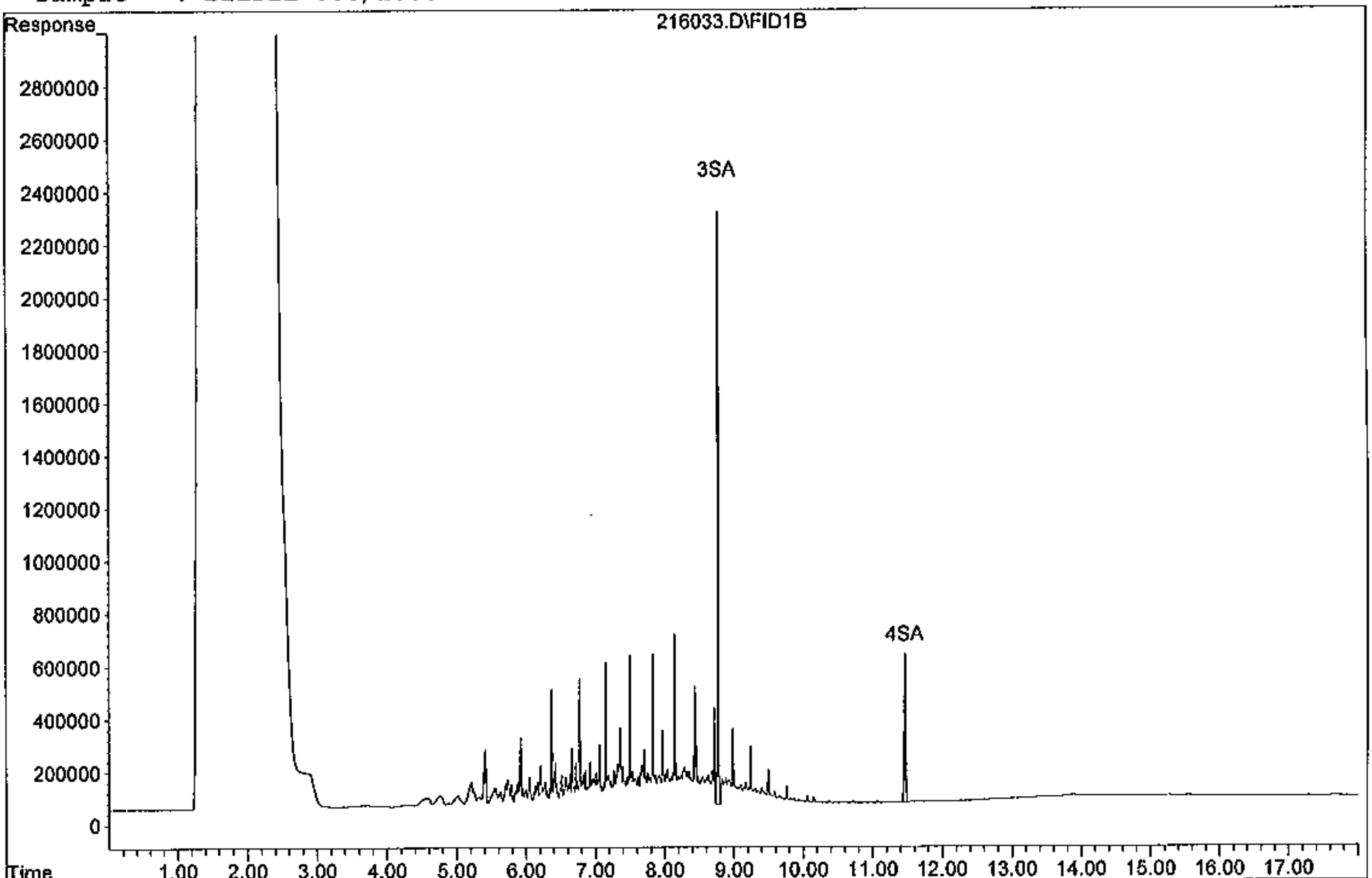
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

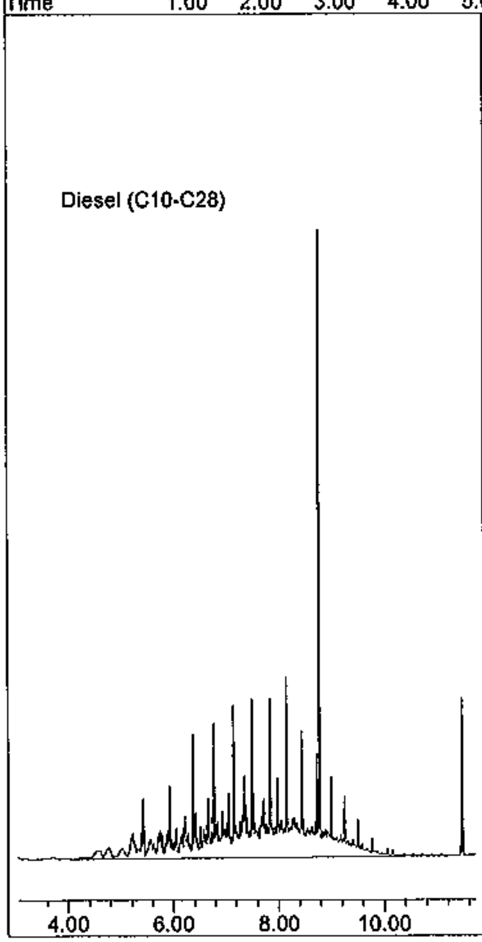
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	18465633	31.932 ppb
Surrogate Spike 21.493		Recovery =	148.57%
4) SA Octacosane(S)	11.46	8316664	29.889 ppb
Surrogate Spike 29.733		Recovery =	100.52%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	255326247	648.597 ppb
2) HBTM Motor Oil (C18-C36)	10.89	125948221	817.270 ppb

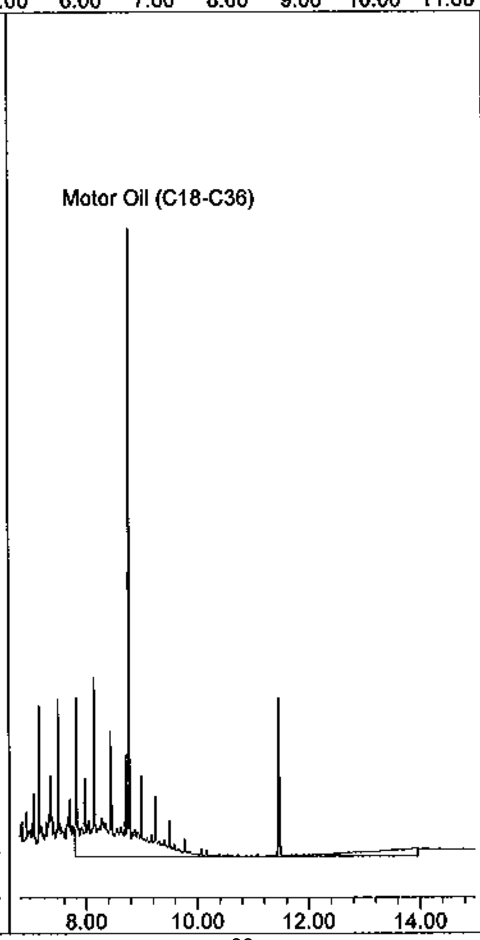
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110216\216033.D
Sample : DIESEL 600/1000







TPH Extractables
TPHD0212

Form 7
Continuing Calibration

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

SDG No: 63694
Date Analyzed: 2/17/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 216047.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	201900	7.1	HATML	3.7
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
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21							
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27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			7.1		

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110216\216047.D                Vial: 47
Acq On    : 2-17-11 14:26:19                          Operator: LAC
Sample    : DIESEL 400/1000                           Inst     : Apollo
Misc      : Mix(A)                                    Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 17 14:56 2011  Quant Results File: TPHD0212.RES

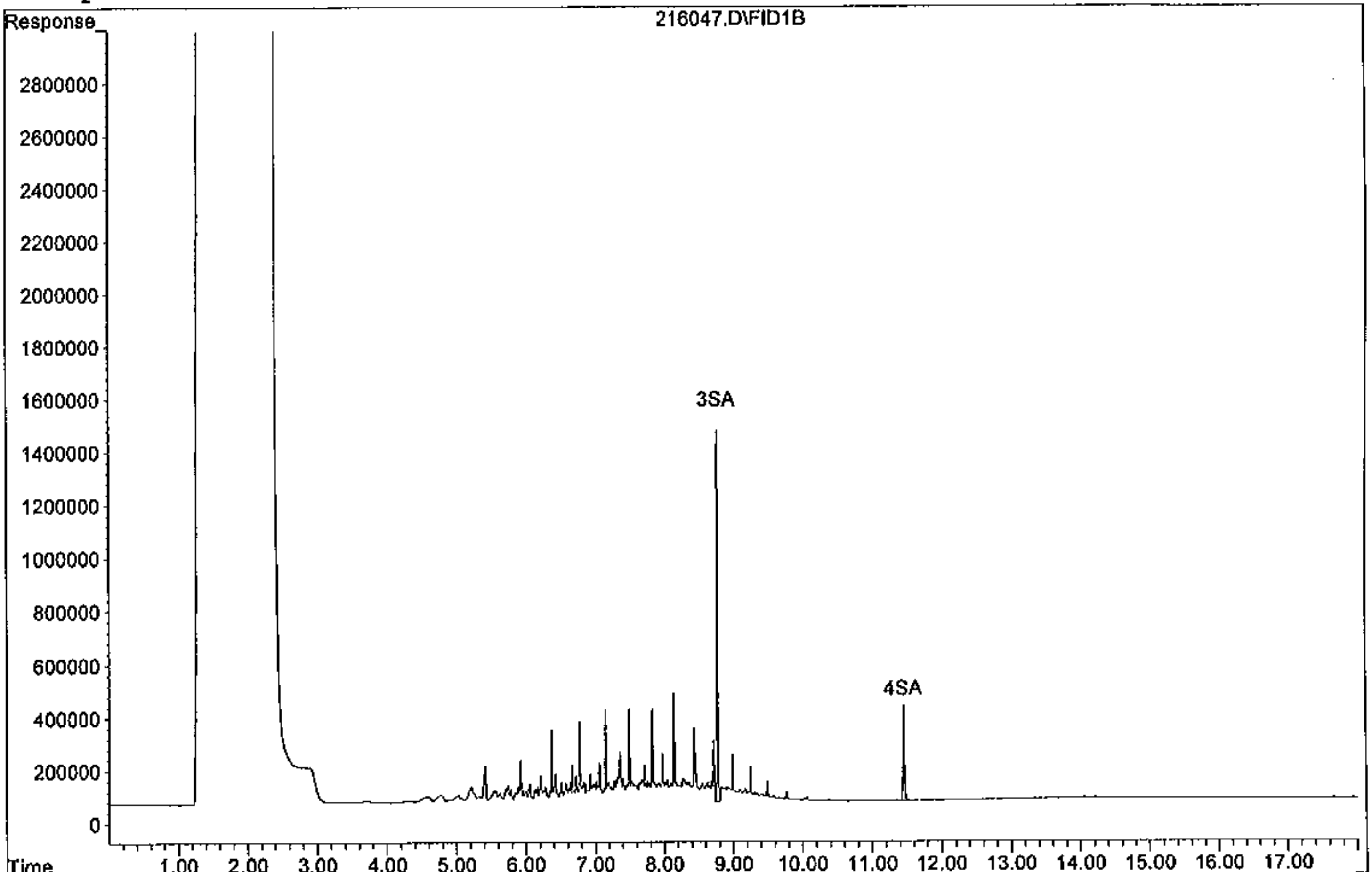
Method       : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title        : Diesel
Last Update  : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

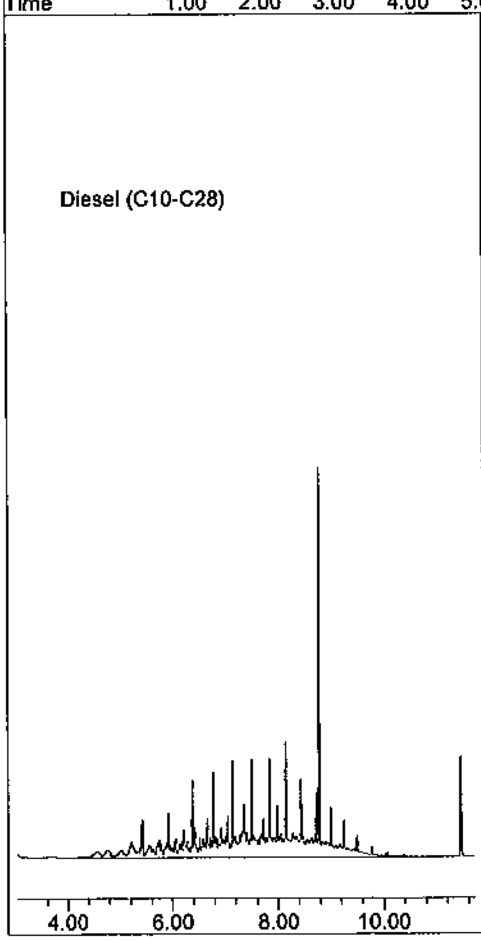
Volume Inj.  : 2UL
Signal Phase : DB-5
Signal Info  : FID02A
```

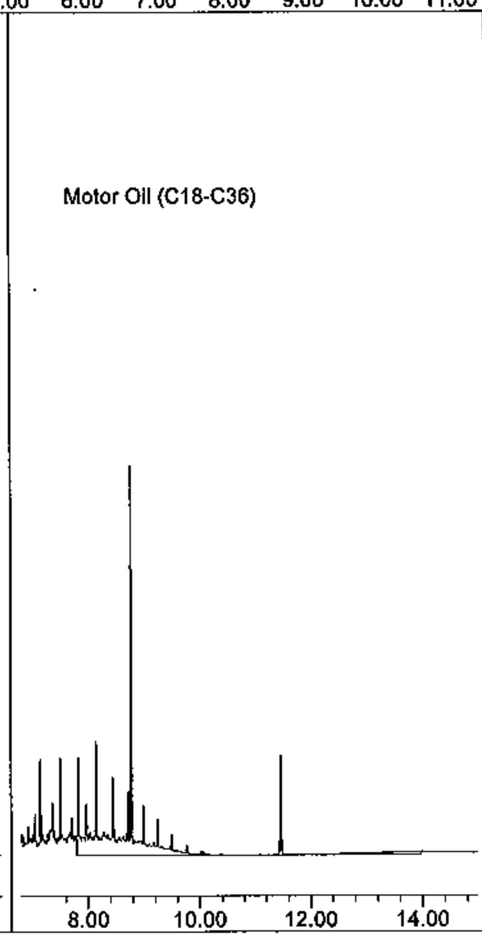
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	11537143	19.951 ppb
Surrogate Spike 21.493	Recovery	=	92.83%
4) SA Octacosane(S)	11.46	5351088	19.231 ppb
Surrogate Spike 29.733	Recovery	=	64.68%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	161520177	414.773 ppb
2) HBTM Motor Oil (C18-C36)	10.89	75714518	487.685 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110216\216047.D
Sample : DIESEL 400/1000







EPA 8015 Modified
Total Petroleum Hydrocarbons
Raw Data

Method Blank
TPH Diesel Water

Blank Name/QCG: **110125W-30411 - 151856**
Batch ID: #TPETD-110125A

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	1/25/2011	2/2/2011
BLANK	SURROGATE: OCTACOSANE (S)	55.7	28-142			%	1/25/2011	2/2/2011
BLANK	SURROGATE: ORTHO-TERPHEN	57.3	57-132			%	1/25/2011	2/2/2011

Quant Method: TPHD0117.M
Run #: 202005
Instrument: APOLLO
Sequence: 110202
Initials: LA

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\110202\202005.D
Acq On : 2-2-11 19:00:14
Sample : 110125A BLK 5/1000
Misc : Water
IntFile : events.e
Quant Time: Feb 4 15:33 2011 Quant Results File: TPHD0117.RES

Vial: 5
Operator: LAC
Inst : Apollo
Multiplr: 5.00

Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

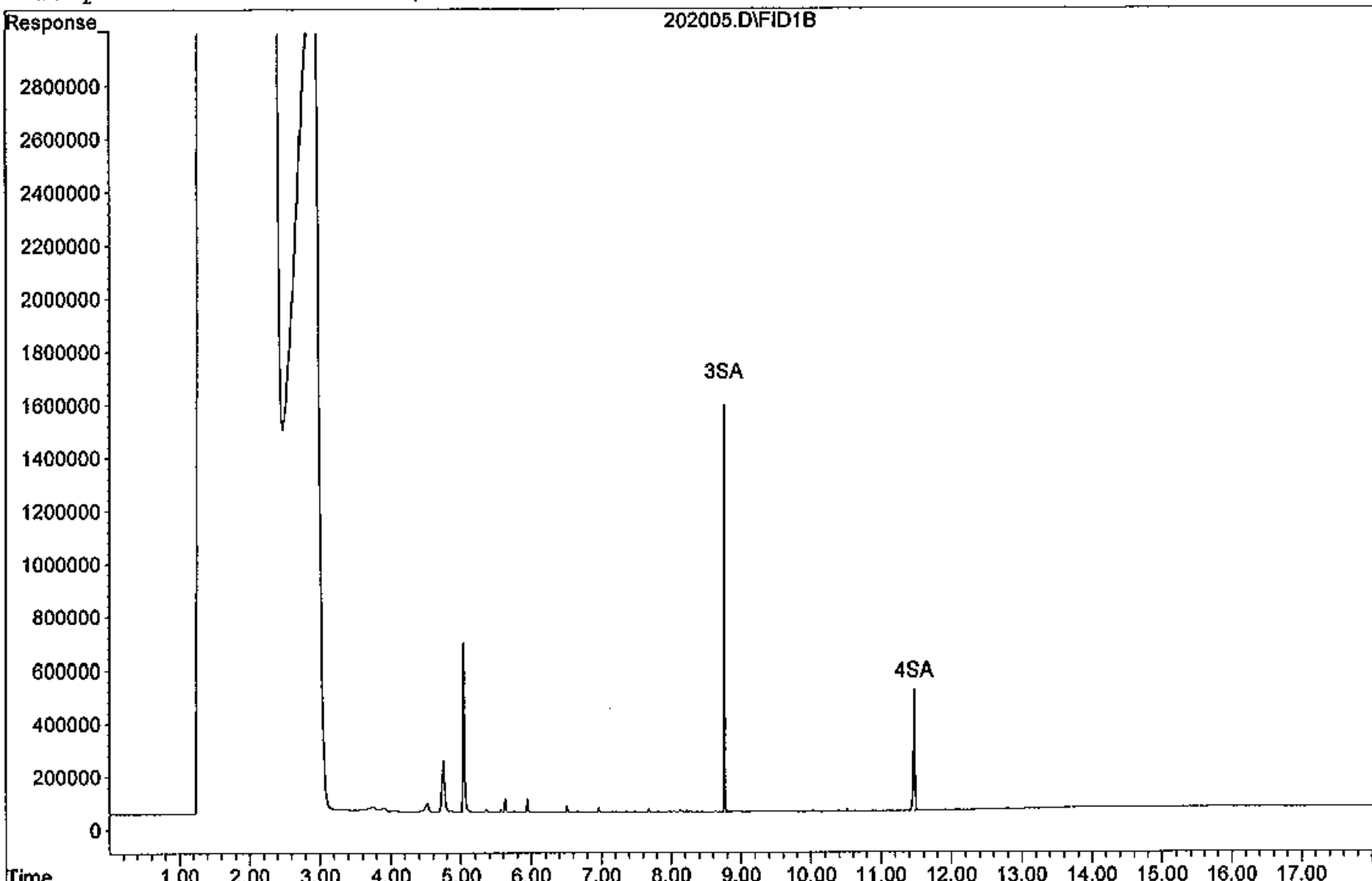
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

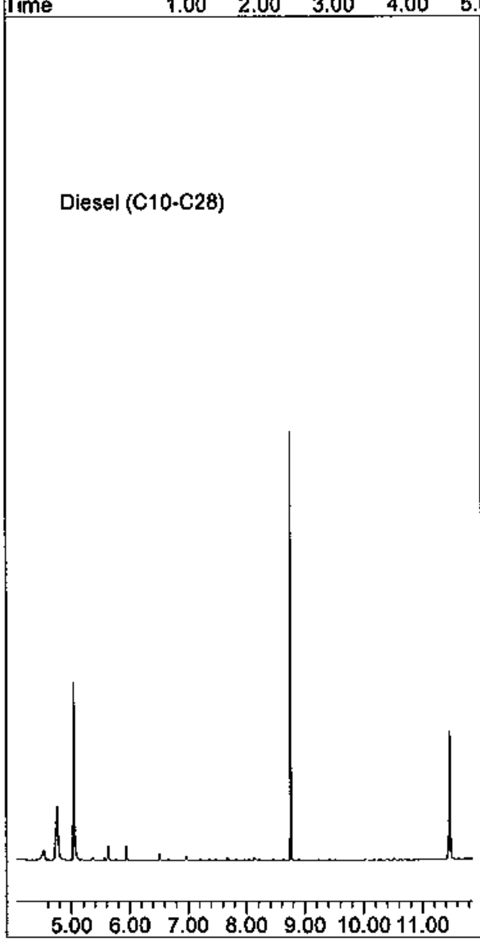
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.76	10940376	61.572 ppb
Surrogate Spike 107.465		Recovery =	57.29%
4) SA Octacosane(S)	11.46	7177560	82.748 ppb
Surrogate Spike 148.665		Recovery =	55.66%
Target Compounds			

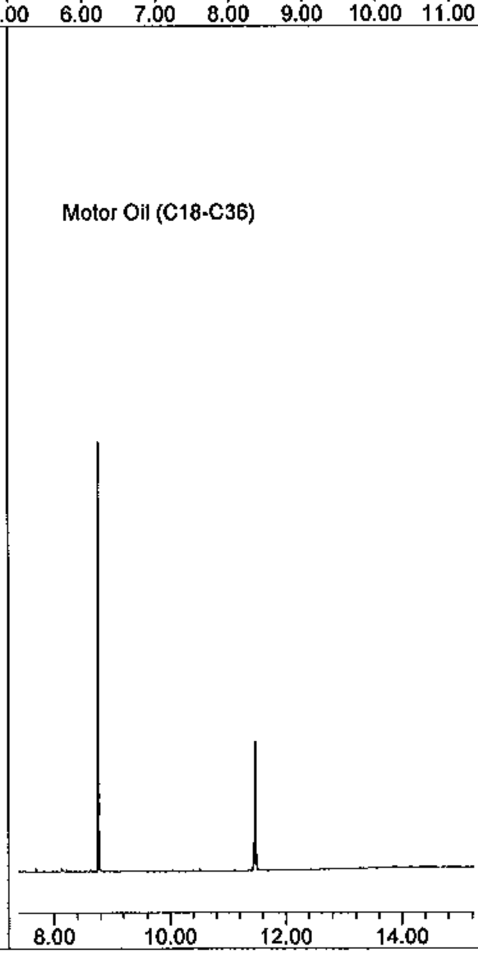
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202005.D
Sample : 110125A BLK 5/1000







Laboratory Control Spike Recoveries
TPH Diesel Water

APPL ID: **110125W-30411 LCS - 151856**
Batch ID: #TPETD-110125A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL FUEL	2000	1650	1640	82.5	82.0	61-143	0.61	30
SURROGATE: OCTACOSANE (S)	149	95.4	92.2	64.0	61.9	28-142		
SURROGATE: ORTHO-TERPHENYL (S)	107	84.1	81.1	78.6	75.8	57-132		

Comments:

Primary	SPK	DUP
Quant Method :	TPHD0117.M	TPHD0117.M
Extraction Date :	1/25/2011	1/25/2011
Analysis Date :	2/3/2011	2/3/2011
Instrument :	Apollo	Apollo
Run :	202042	202043
Initials :	LA	

Printed: 2/17/2011 2:27:23 PM
APPL Standard LCSD

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\110202\202042.D
Acq On : 2-3-11 9:46:21
Sample : 110125A LCS-1 5/1000
Misc : Water
IntFile : events.e
Quant Time: Feb 7 10:52 2011 Quant Results File: TPHD0117.RES

Vial: 42
Operator: LAC
Inst : Apollo
Multiplr: 5.00

Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

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

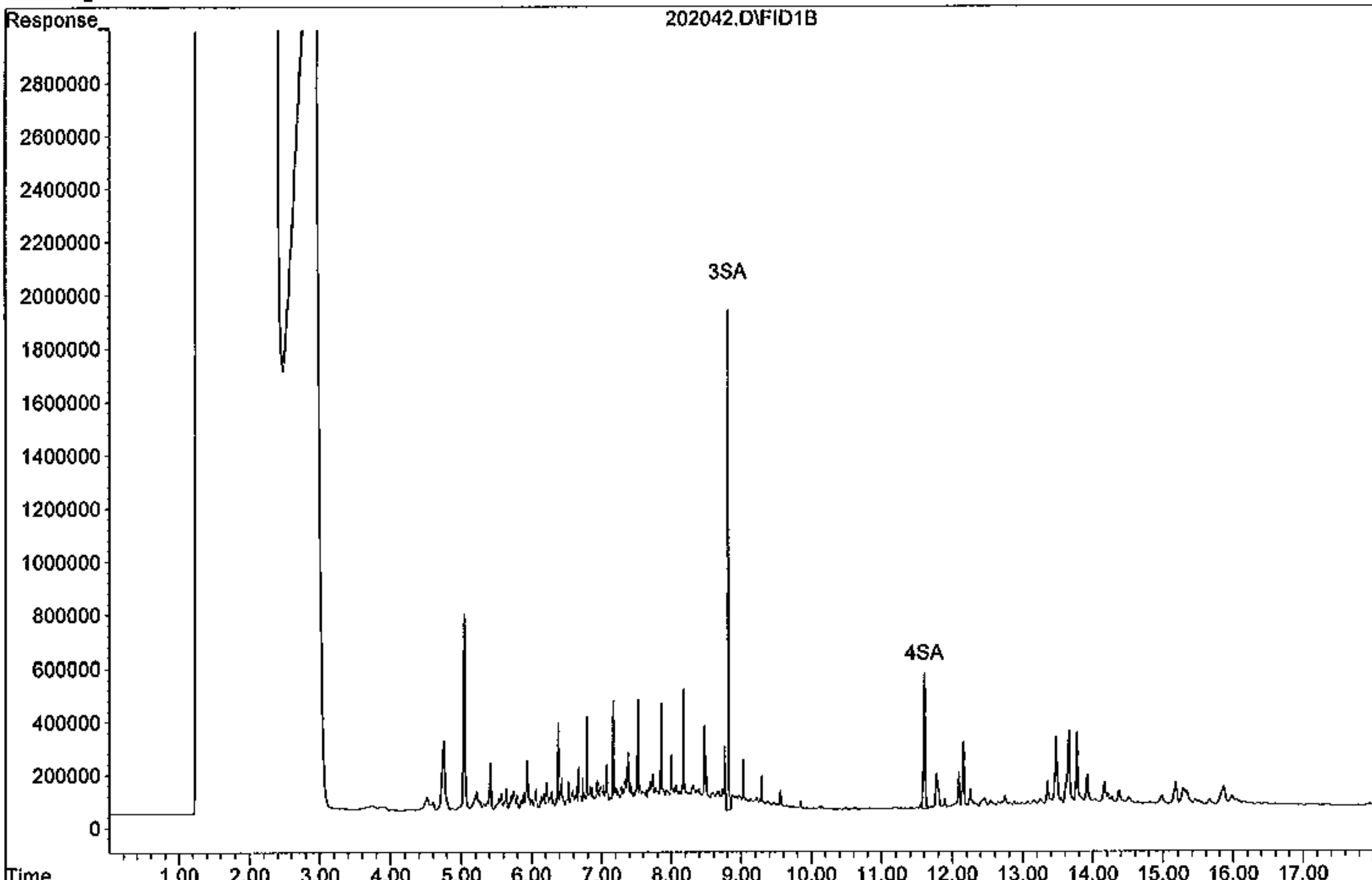
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.81	14951218	84.145 ppb
Surrogate Spike 107.465		Recovery =	78.30%
4) SA Octacosane(S)	11.60	8273403	95.381 ppb
Surrogate Spike 148.665		Recovery =	64.16%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	233825907	1649.906 ppb
2) HBTM Motor Oil (C18-C36)	11.31	123463347	2233.049 ppb

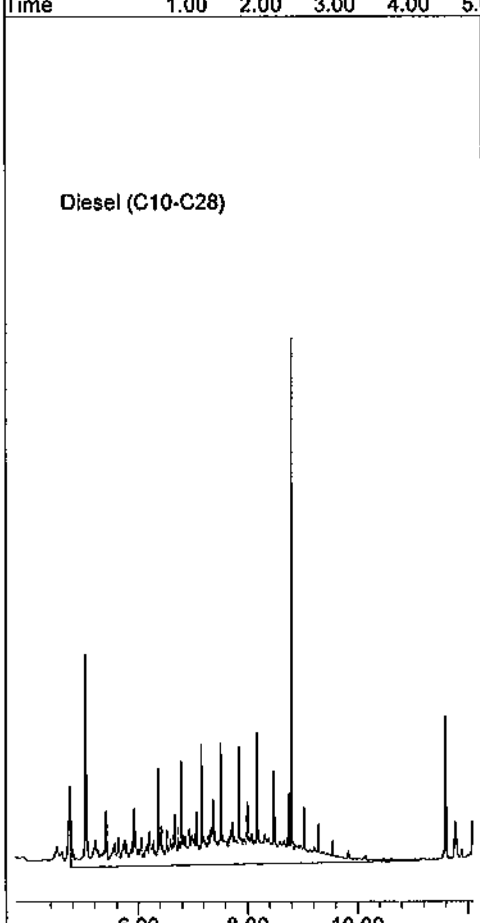
Algorithm Check: $\frac{(233825907)(5)}{(354302)(2)} = 1694.905356$

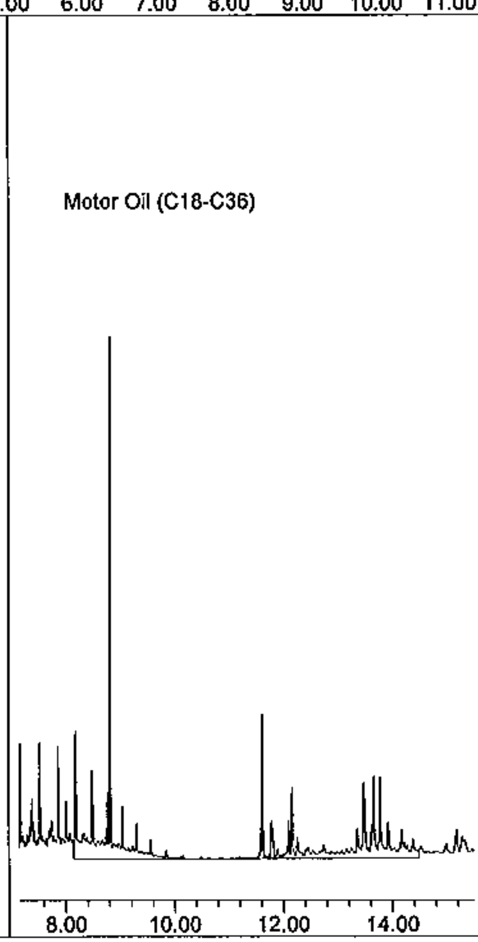
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110202\202042.D
Sample   : 110125A LCS-1 5/1000







Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\110202\202043.D Vial: 43
Acq On : 2-3-11 10:10:25 Operator: LAC
Sample : 110125A LCSD-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Feb 7 10:55 2011 Quant Results File: TPHD0117.RES

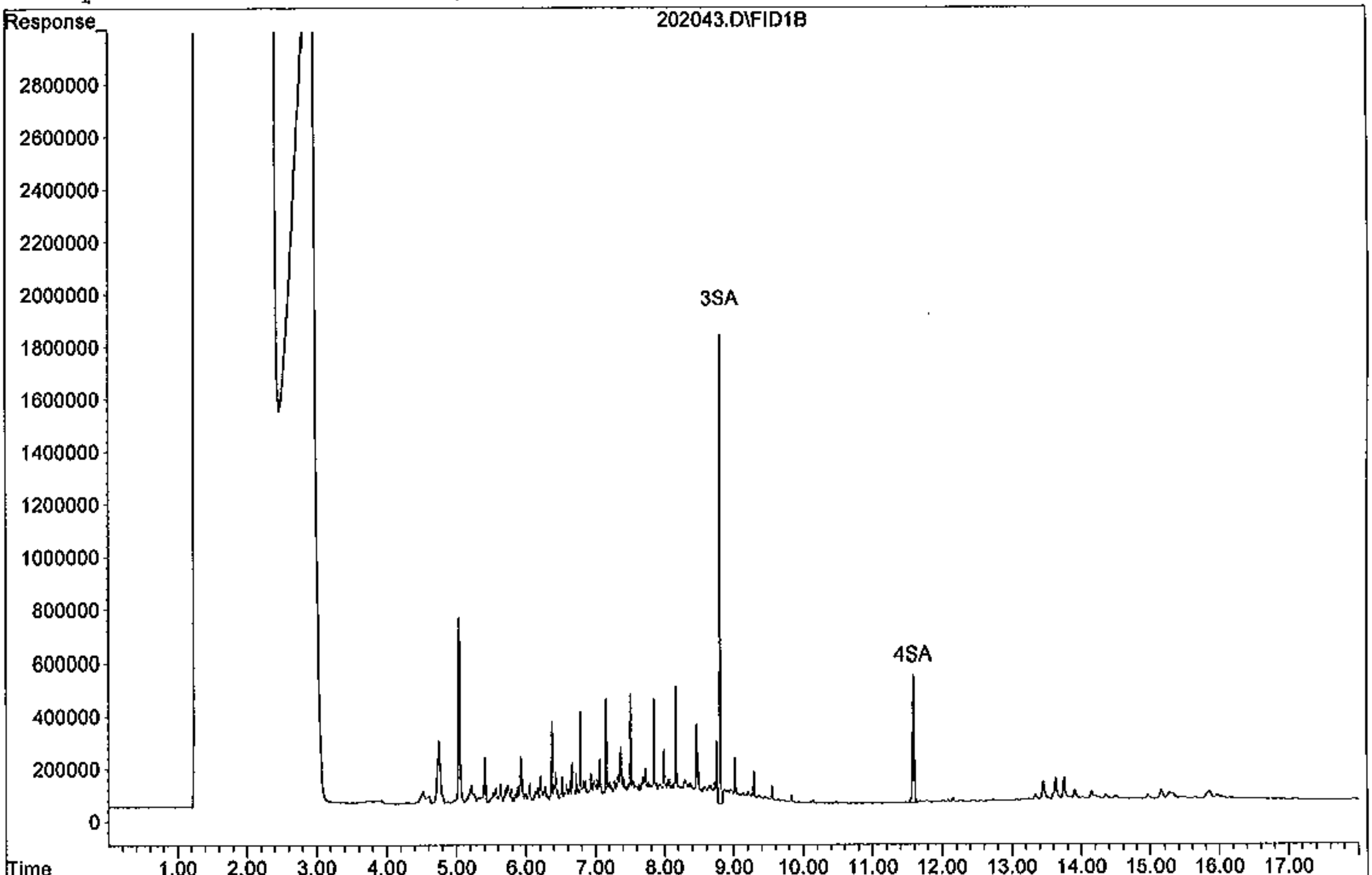
Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

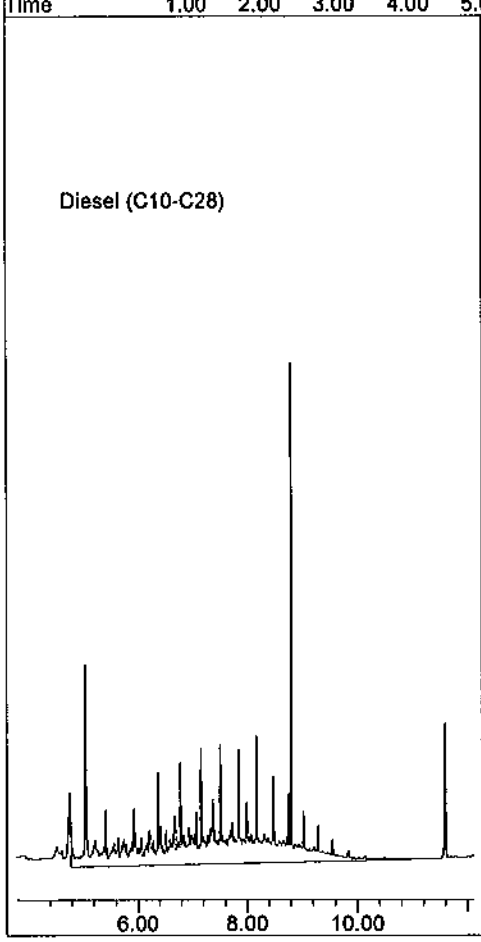
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

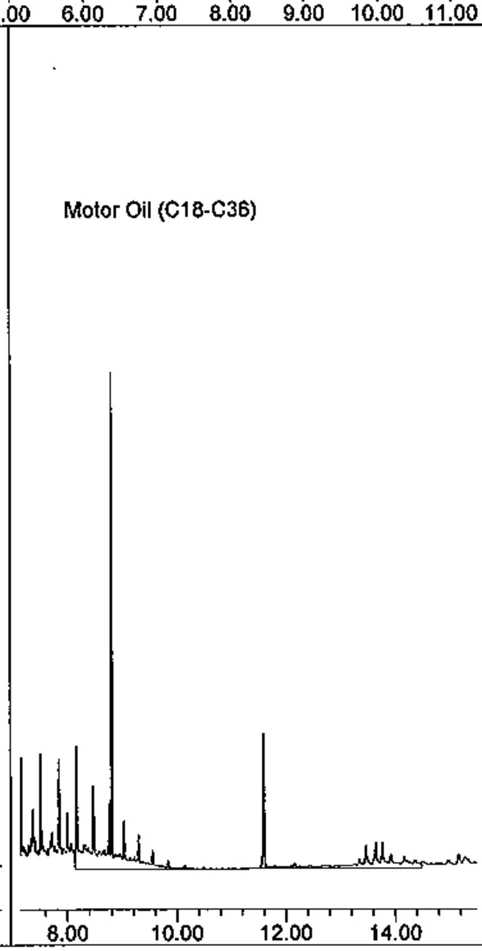
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.80	14403936	81.065 ppb
Surrogate Spike 107.465		Recovery =	75.43%
4) SA Octacosane(S)	11.59	7996067	92.184 ppb
Surrogate Spike 148.665		Recovery =	62.01%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	231792189	1635.556 ppb
2) HBTM Motor Oil (C18-C36)	11.31	79252347	1433.416 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110202\202043.D
Sample : 110125A LCSD-1 5/1000







Matrix Spike Recoveries

TPH Diesel Water

APPL ID: **110125W-30411 MS - 151856**
Batch ID: #TPETD-110125A
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL FUEL	2000	1100	2270	2260	58.5 #	58.0 #	61-143	0.44	30
SURROGATE: OCTACOSANE (S)	149	NA	92.3	87.0	61.9	58.4	28-142		
SURROGATE: ORTHO-TERPHENYL (S)	107	NA	81.9	76.8	76.5	71.8	57-132		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	TPHD0117.M	TPHD0117.M
Extraction Date :	1/25/2011	1/25/2011
Analysis Date :	2/2/2011	2/2/2011
Instrument :	Apollo	Apollo
Run :	202015	202016
Initials :	LA	

Printed: 2/17/2011 3:14:30 PM
APPL MSD SCII

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110202\202015.D Vial: 15
Acq On : 2-2-11 22:57:21 Operator: LAC
Sample : AY30411W14 MS-1 5/980 Inst : Apollo
Misc : Water Multiplr: 5.10
IntFile : events.e
Quant Time: Feb 8 14:49 2011 Quant Results File: TPHD0117.RES

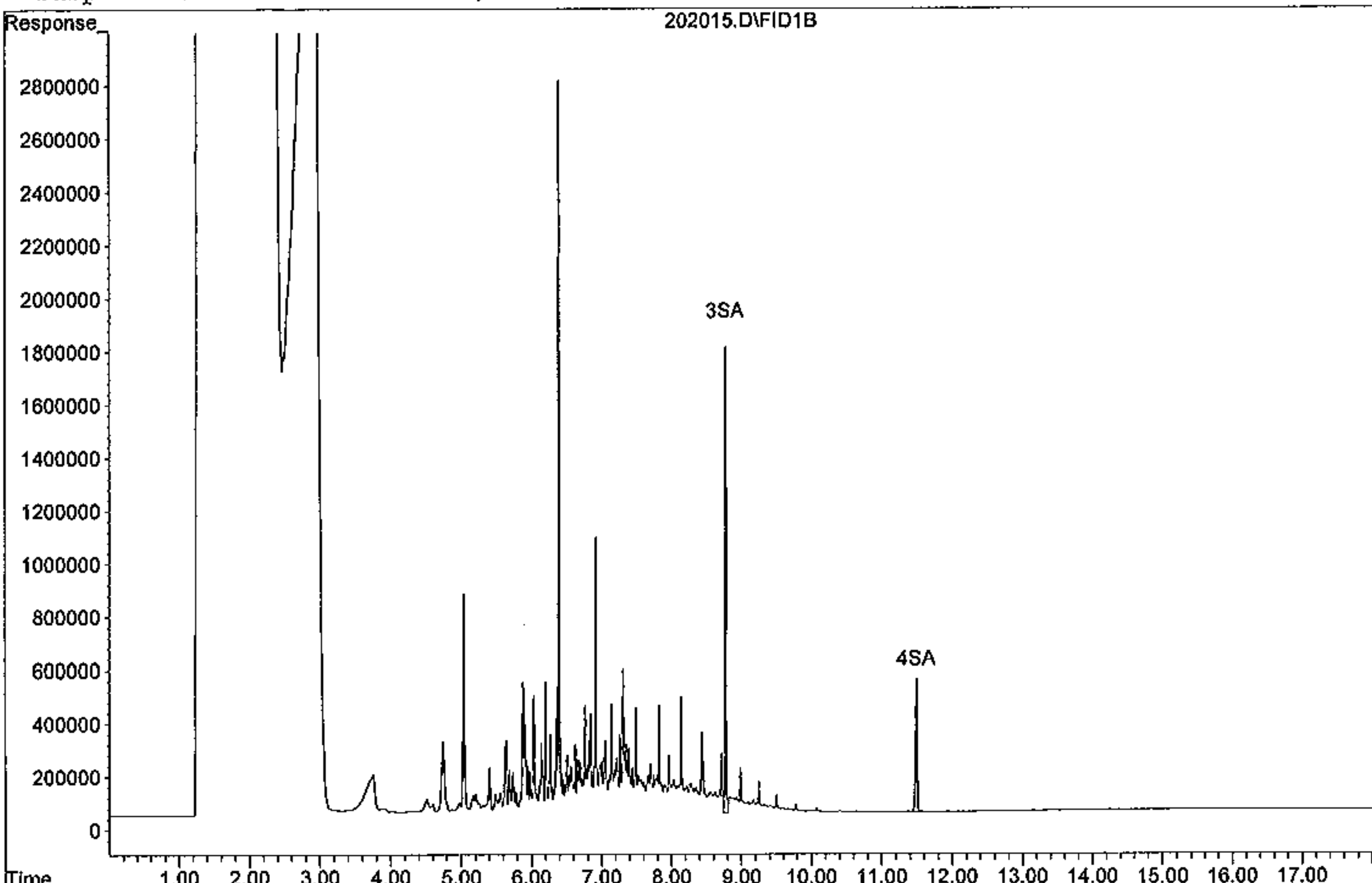
Method : G:\APOLLO\DATA\110131\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:53:49 2011
Response via : Multiple Level Calibration

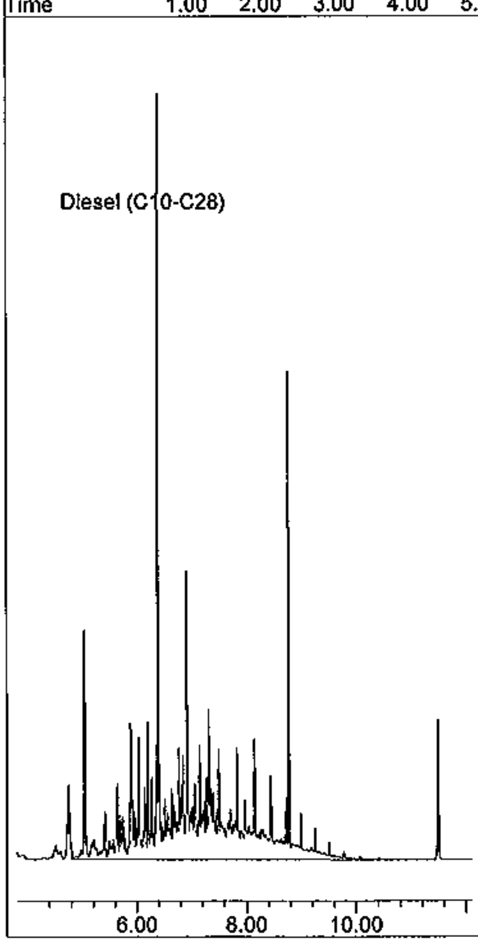
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

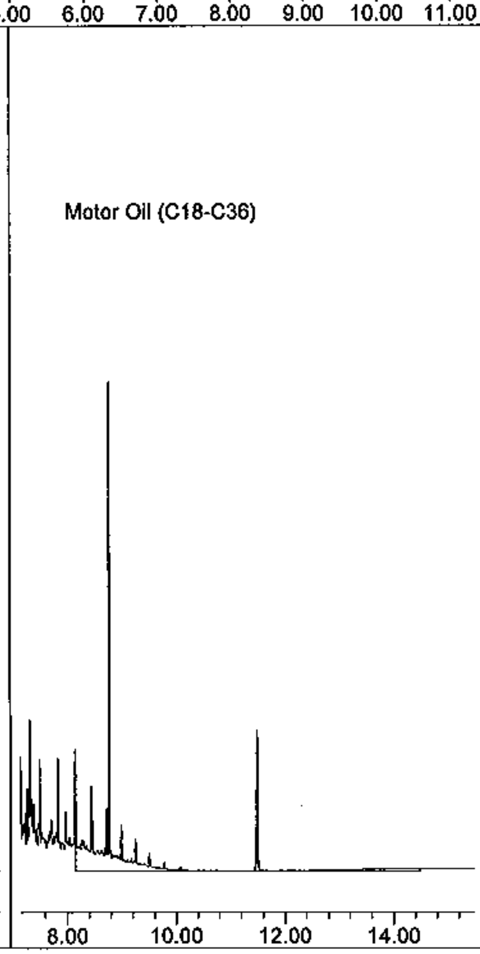
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	14266400	81.930 ppb
Surrogate Spike 109.658		Recovery =	74.71%
4) SA Octacosane(S)	11.49	7847931	92.322 ppb
Surrogate Spike 151.699		Recovery =	60.86%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	314888203	2267.237 ppb
2) HBTM Motor Oil (C18-C36)	11.31	61577699	1136.469 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110202\202015.D
Sample : AY30411W14 MS-1 5/980







Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110202\202016.D
Acq On : 2-2-11 23:20:57
Sample : AY30411W17 MSD-1 5/970
Misc : Water
IntFile : events.e
Quant Time: Feb 17 15:09 2011 Quant Results File: TPHD0117.RES

Vial: 16
Operator: LAC
Inst : Apollo
Multiplr: 5.15

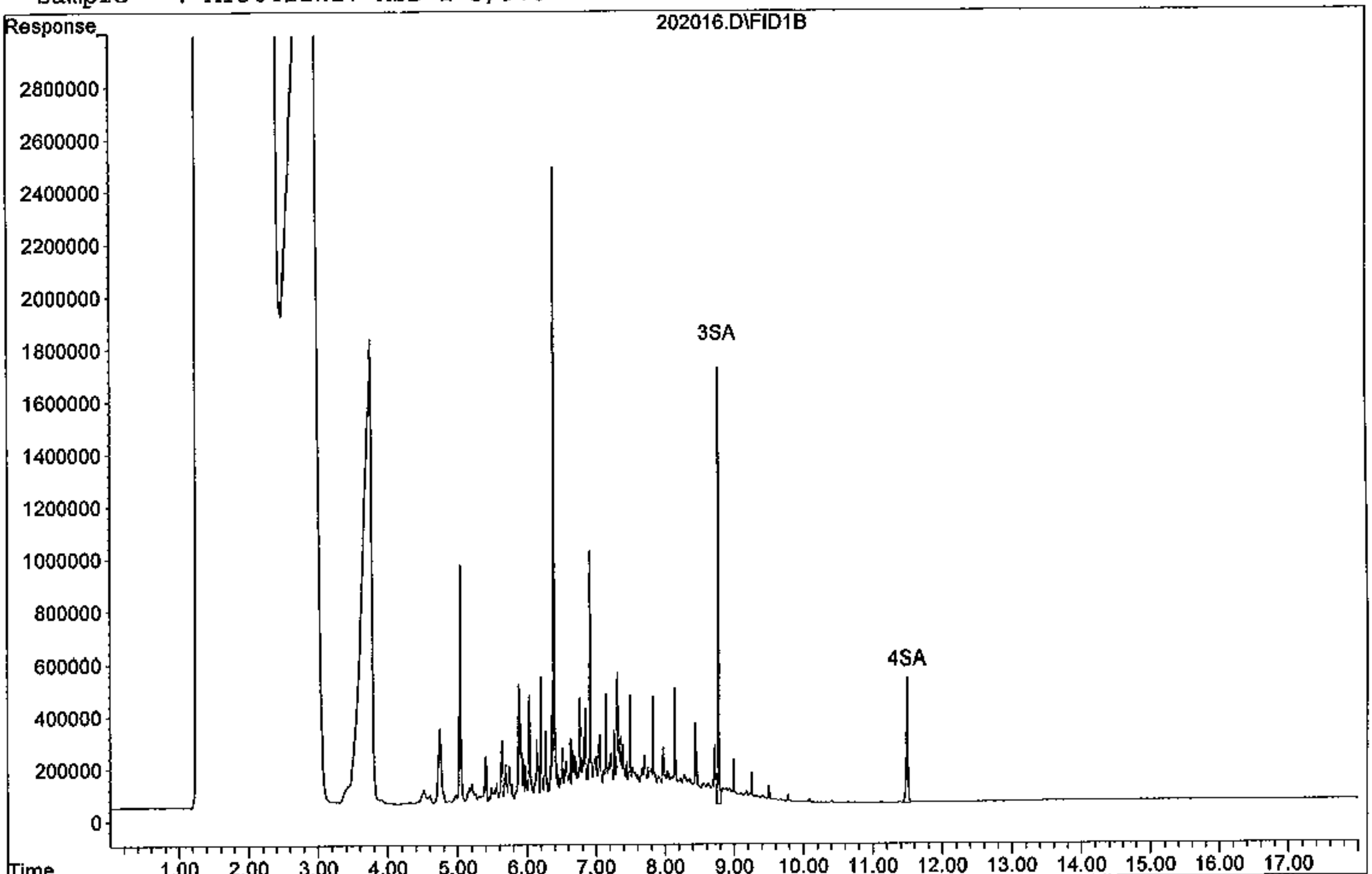
Method : G:\APOLLO\DATA\110119\TPHD0117.M (Chemstation Integrator)
Title : Diesel
Last Update : Tue Feb 08 14:48:49 2011
Response via : Multiple Level Calibration

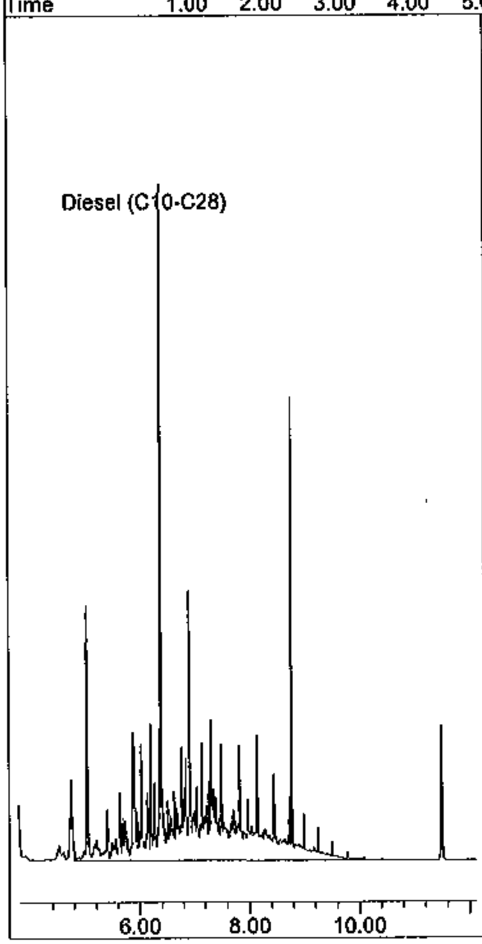
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	13644533	79.166 ppb
Surrogate Spike 110.789		Recovery =	71.46%
4) SA Octacosane(S)	11.49	7544322	89.666 ppb
Surrogate Spike 153.263		Recovery =	58.50%
Target Compounds			
1) HATM Diesel (C10-C28)	7.96	310623236	2259.587 ppb
2) HBTM Motor Oil (C18-C36)	11.31	64234452	1197.723 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110202\202016.D
Sample : AY30411W17 MSD-1 5/970





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

Pac Eco Cal Curve *Not Recorded on 9/21

PREP:	9/21/2010											
PAC ECO CURVE												
EXP:	12/25/2010											
	ID#	[ug/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL	µL
	PAC ECO CAL STD	5		9/13/2010	12/25/2010	2	10	50	200	500	700	1000
VWR	Hexane		052110A			998	990	950	800	500	300	N/A
	MC 9/23/10				Final Vol.	1000	1000	1000	1000	1000	1000	1000

SK 9/24/10

DIESEL CAL STD.

STD.	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT / LOT#
DIESEL FUEL #2	50,000 ug/mL	O2SI CAT#116300-01 LOT#146946-24150 OP:9/24/10 EXP:9/24/11	1mL	50mL	1000ug/mL	MC LOT# 061510B
O-TERPHENYL OCTACOSANE	5000 ug/mL	O2SI CAT#110316-02 LOT#152373-25329 OP:9/24/10 EXP:9/24/10	0.5mL		50ug/mL	

SK 9/24/10
exp 3/24/11

o2si smart solutions
Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
Cat. No: 011598-03 Exp: 9/13/2013
Lot No: 149530 Storage: </= -10 Degrees C
Diesel Fuel #2 Composite Solvent: Methylene Chloride
Lot #: 149530 - 25265 For Research Use Only
Rec: 10/8/09 MFR exp. 09/13/13
Opened: 9/24/10 exp. 9/24/11

SK 9/24/10

SK 9/24/10

DIESEL SECOND SOURCE

STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT / LOT#
DIESEL FUEL #2	50,000 ug/mL	O2SI CAT#011598-03 LOT#156524-26178 OP:4/6/10 EXP:4/6/11	0.2mL	25mL	400ug/mL	MC LOT# 061510B
O-TERPHENYL OCTACOSANE	5000 ug/mL	O2SI CAT#110316-02 LOT#152373-25329 OP:9/24/10 EXP:9/24/10	0.1mL		20ug/mL	

SK 9/24/10
~~SK 9/24/10~~
~~EXP 3~~
EXP 3/24/11

SK 9/24/10

o2si smart solutions
o-Terphenyl/Octacosane Solution, 5,000 mg/L, 1 ml
Cat. No: 110316-02 Exp: 11/1/2012
Lot No: 152373 Storage: </= -10 Degrees C
o-Terphenyl/Octacosane, 5000mg/L Solvent: Methylene Chloride
Lot #: 152373 - 25329 For Research Use Only
Rec: 11/4/09 MFR exp. 11/01/12
Opened: 9/24/10 exp. 9/24/11

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

~~LAC 1/4/11~~

DIESEL CURVE

STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		09/24/10	03/24/10	10	100	4000	600	800	1000
MC		091310C			990	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

LAC 1/4/11 ex 3/24/11

MOTOR OIL CURVE

STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		09/24/10	03/24/10	50	100	400	600	800	1000
MC		091310C			950	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

LAC 1/4/11 EX: 3/24/11

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#158524-27195 OP:1/5/11 EXP:1/5/12	1mL	50mL	1000ug/mL	MC LOT# 110510F
O-TERPHENYL OCTACOSANE	5000 ug/mL	O2SI CAT#110316-02 LOT#152373-25693 OP:1/5/11EXP:1/5/12	0.5mL		50ug/mL	

1/5/11

1/5/11 EX: 7/5/11

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#161898-27580 OP:1/5/11 EXP:1/5/12	1mL	50mL	1000ug/mL	MC LOT# 110510F

1/5/11

1/5/11 ex: 7/5/11

DIESEL CURVE

STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	4000	600	800	1000
MC		110510F			990	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

1/5/11 ex: 7/5/11

MOTOR OIL CURVE

STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

1/5/11

1/5/11 ex: 7/5/11

1/5/11

DIESEL 2nd Src 400ug/ml

STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
DIESEL STD.	1000UG/ML	O2SI	400µL	1mL	400µg/ml	MC
Lot:149530-25265		09/24/10	03/24/11			110510F

1/5/11 Ex 3/24/11

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

THC SURROGATE (* GAVE TO EXTRACTION)

O-TERPHENYL	600ng/ml	O2SI	N/A	25mL	600ng/ml	N/A	
OCTACOSANE		CAT: 110316-05					1/13/11
		LOT: 164819-28052					EX: 1/13/12
		OP: 1/13/11					
		EX: 1/13/12					

1/13/11

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
		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

MOTOR OIL CCV 400UG/ML						
STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
	1000UG/ML	O2SI	400µL	1mL	400 UG/ML	MC
MOTOR OIL STD		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

TCQ CCV LEVEL 3 AND 4

RICLOPYR	2ng/ml	TCQ STD	LVL-3) 50ml	1ml	0.1ng/ml	MTBE	
PYRALID		PREP: 11/5/10	LVL-4) 100ml	1mL	0.2ng/ml	#49324	1/14/11
UINCLORAC		EX: 1/21/11					EX 1/21/11

TCQ CURVE											
PPLIER	ID#	[µg/mL]	LOT #	DATE	EXP. DATE	mL	mL	mL	mL	mL	mL
	TCQ STD	2		11/05/10	01/21/11	5	10	50	100	200	500
VWR	MTBE		49324			995	990	950	900	800	500
1/14/11					Final VOL.	1000	1000	1000	1000	1000	1000

1/14/11
EX: 1/21/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	400	600	800	1000
MC		110510F			990	900	600	400	200	NA
				Final VOL.	1000	1000	1000	1000	1000	1000

1/17/11
EX: 7/5/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

1/17/11
EX: 7/5/11

DIESEL 2nd Src 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
Lot:149530-25265		09/24/10	03/24/11			110510F

1/17/11
EX: 3/24/11

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

THC SURROGATE (* GAVE TO EXTRACTION)

O-TERPHENYL	60mg/ml	O2SI	N/A	25mL	60mg/ml	N/A	
OCTACOSANE		CAT: 110316-05					1/13/11
		LOT: 164819-28052					EX: 1/13/12
		OP: 1/13/11					
		EX: 1/13/12					

1/13/11

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
		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

MOTOR OIL CCV 400UG/ML						
STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
	1000UG/ML	O2SI	400µL	1mL	400 UG/ML	MC
MOTOR OIL STD		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

TCQ CCV LEVEL 3 AND 4

TRICLOPYR	2mg/ml	TCQ STD	LVL-3) 50ml	1mL	0.1mg/ml	MTBE	1/14/11
CLOPYRALID		PREP: 11/5/10	LVL-4) 100ml	1mL	0.2mg/ml	#49324	1/14/11
QUINCLORAC		EX: 1/21/11					EX 1/21/11

TCQ CURVE											
SUPPLIER	ID#	[µg/mL]	LOT #	DATE	EXP. DATE	mL	mL	mL	mL	mL	mL
	TCQ STD	2		11/05/10	01/21/11	5	10	50	100	200	500
VWR	MTBE		49324			995	990	950	900	800	500
					Final VOL.	1000	1000	1000	1000	1000	1000

1/14/11
EX: 1/21/11
1/14/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	400	600	800	1000
MC		110510F			990	900	600	400	200	NA
				Final VOL.	1000	1000	1000	1000	1000	1000

1/17/11
EX: 7/6/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

1/17/11
1/17/11
EX: 7/5/11

DIESEL 2nd Src 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
Lot:149530-25265		09/24/10	03/24/11			110510F

1/17/11
1/17/11
EX: 3/24/11

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

HERBICIDE CCVS LVL 3 & 4

COMPOUND	CONC IN MIX (ug/ml)	CONC OF STOCK (ug/ml)	ALIQUOT (uL)	STOCK SOURCE	FINAL VOL (ml) SOLVENT
HERBICIDE MIX	100 200	VARIOUS	100 200	HERB STD PREP: 1/20/11 EXP: 7/20/11	1mL MTBE LOT: 49324

1/21/11

1/21/11 Ex: 7/20/11

DIESEL SPIKE

DIESEL FUEL #2	50,000 mg/ml	02S1	2000 ml	50ML	2000 mg/ml	MC # 112910A	1/21/11 Ex: 4/21/11

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
Lot # 167768 Storage ≤-10 Degrees C Expiry 2/15/15
Solv: Methylene Chloride
Diesel Fuel #2 Composite
Lot #: 167768 - 28179
Rec: 1/20/11 MFR exp. 02/15/15

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
Lot # 167768 Storage ≤-10 Degrees C Expiry 2/15/15
Solv: Methylene Chloride
Diesel Fuel #2 Composite
Lot #: 167768 - 28178
Rec: 1/20/11 MFR exp. 02/15/15

1/21/11

OCL DEGRADATION CHECK

VARIOUS ANALYTES	100 mg/ml	02S1	250 ml	50ML	0.5 mg/ml	HEXANE # 082610B	1/21/11 Ex: 7/21/11

o2si smart solutions
Phone: (843) 763-4884
Fax: (843) 766-9182
OC Pesticide Degradation Check Solution, 100 mg/L, 1 ml
Cat. No: 130109-01 Exp: 8/5/2011
Lot No: 137696 -22681 Storage: ≤-10 Degrees C
Solvent: M-t-BE
Not for Human Consumption For Research Use Only
Made in USA Date Opened: 1/21/11
ex: 8/5/11

1/21/11

TIN SURROGATE

COMPOUND	CONC IN MIX	CONC OF STOCK	ALIQUOT	STOCK SOURCE	FINAL VOL.
Tetra-n-propyltin	5 µg/ml	2000 µg/ml	125 ul	RESTEK CAT#: 31474 LOT#: A071818-26540 OP: 9/21/10 EXP: 9/21/11	50ml MC 110510F

1/24/11

1/24/11 Ex: 4/24/11

TIN SPIKE

COMPOUND	CONC IN MIX	CONC OF STOCK	ALIQUOT	STOCK SOURCE	FINAL VOL.
Tetrabutyltin chloride Dibutyltin chloride Butyltin chloride	20 µg/ml	2000 ug/ml	250 ul	RESTEK Cat# 31472 lot# A060097-24073 open: 4/29/10 exp: 4/29/11	25ml MC 110510F

1/24/11

1/24/11 Ex: 4/24/11

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

2/9/11

HERBICIDE CALIBRATION CURVE					
COMPOUND	CONC IN MIX (ug/ml)	CONC OF STOCK (ug/ml)	ALIQUOT (uL)	STOCK SOURCE	FINAL VOL (ml) SOLVENT
HERBICIDE	15	VARIOUS	15 µL	HERB CAL. STD PREP	1
CURVE	50		50 µL	PREP: 2/9/11	MTBE
	100		100 µL	EXP: 8/9/11	
	200		200 µL	CONC.: VARIOUS	LOT # 50112
	300		300 µL		
	400		400 µL		
HERBICIDE		VARIOUS		HERB 2nd SOURCE	
SECOND SOURCE	200		200 µL	PREP: 12/2/10 EXP: 6/2/11	

2/9/11
Ex: 8/9/11

2/9/11
Ex: 6/2/11

LAC 2/12/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	400	600	800	1000
MC		110510F			990	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

LAC
2/12/11
Ex: 7/5/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

LAC
2/12/11
Ex: 7/5/11

LAC 2/12/11

DIESEL 2nd Src 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
Lot:149530-25265		09/24/10	03/24/11			110510F

LAC
2/12/11
Ex: 3/24/11

TECHNICAL CHLORDANE AMPULE *GAVE TO EXTRACTION*

TECHNICAL CHLORDANE	1000mg/mL	O2SI	N/A	1mL	1000mg/mL	N/A	2/14/11 Ex: 2/14/12

o2si
Chlordane (Technical Mixture) Solution, 1,000 mg/L, 1 ml
Cat. No: 031088-01 Exp: 5/1/2013
Lot No: 158613 Storage: <= 6 Degrees C
Chlordane (Tech Mix)
Lot #: 158613 - 27201 Solvent: Hexane
Rec: 9/10/10 MFR exp. 05/01/13 For Research Use Only
Opened: 2/14/11 EX: 2/14/12

2/14/11

Organic Extraction Worksheet

Method	THC Separatory Funnel Extraction 3510C	Extraction Set	110125A	Extraction Method	SEP011	Units	mL

Spiked ID 1	Diesel Spike 1/21/11 EX 4/21/11		Surrogate ID 1	THC Surrogate 164819-28051
Spiked ID 2	Motor Oil Spike 1/11/11 EX 4/11/11		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:	YES
Spiked ID 7			Ext. Start Time:	
Spiked ID 8			Ext. End Time:	
			GC Requires Extract By:	01/29/11 0:00
			pH1	W Bath Temp 80 °C
			pH2	
			pH3	

Spiked By: DL **Date** 01/25/11 **Witnessed By:** CC **Date** 01/25/11

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	110125A Blk				0.250	1	1000	5	7	01/25/11 15:50	
2	110125A LCS-1		1	1	0.250	1	1000	5	7	01/25/11 15:50	
3	110125A LCS-2		1	2	0.250	1	1000	5	7	01/25/11 15:50	
4	110125A LCSD-1		1	1	0.250	1	1000	5	7	01/25/11 15:50	
5	110125A LCSD-2		1	2	0.250	1	1000	5	7	01/25/11 15:50	
6	AY30391	AY30391W10			0.250	1	910	5	7	01/25/11 15:50	63691-10 DAY RUSH -- Amber Liter
7	AY30392	AY30392W10			0.250	1	930	5	7	01/25/11 15:50	63691-10 DAY RUSH -- Amber Liter
8	AY30393	AY30393W08			0.250	1	900	5	7	01/25/11 15:50	63691-10 DAY RUSH -- Amber Liter
9	AY30394	AY30394W09			0.250	1	1020	5	7	01/25/11 15:50	63691-10 DAY RUSH -- Amber Liter
10	AY30410	AY30410W06			0.250	1	980	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter
11	AY30411 MS-1	AY30411W14	1	1	0.250	1	980	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter
12	AY30411 MSD-1	AY30411W17	1	1	0.250	1	970	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter
13	AY30411 MS-2	AY30411W16	1	2	0.250	1	950	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter
14	AY30411 MSD-2	AY30411W19	1	2	0.250	1	950	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter
15	AY30411	AY30411W20			0.250	1	920	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter
16	AY30412	AY30412W06			0.250	1	950	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter
17	AY30413	AY30413W05			0.250	1	1000	5	7	01/25/11 15:50	63694-2 WEEK RUSH -- Amber Liter

HM 1/26/11

Solvent and Lot#	
MC	VWR 110510F
Na2SO4	1750C276

Extraction COC Transfer	
Extraction lab employee Initials	HM
GC analyst's initials	LAC
Date	1/26/11
Time	1450
Refrigerator	Holland

	Technician's Initials
Scanned By	SM
Sample Preparation	CC
Extraction	CC
Concentration	CC

Modified	01/25/11 12:23:35 PM

Reviewed By: HM 107 **Date** 01/26/11

Injection Log

Directory: G:\APOLLO\DATA\110117\110202\110216

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	3	117003.D	1	DEISEL 10/1000 1/17/10	Mix(A)	1-17-11 17:56:43
2	4	117004.D	1	DEISEL 100/1000	Mix(A)	1-17-11 18:20:36
3	5	117005.D	1	DEISEL 400/1000	Mix(A)	1-17-11 18:44:31
4	6	117006.D	1	DEISEL 600/1000	Mix(A)	1-17-11 19:08:20
5	7	117007.D	1	DEISEL 800/1000	Mix(A)	1-17-11 19:32:08
6	8	117008.D	1	DEISEL 1000/1000	Mix(A)	1-17-11 19:55:57
7	15	117015.D	1	DEISEL 2ND SRC	Mix(A)	1-17-11 22:42:05
8	2	202002.D	1	DIESEL 400/1000	Mix(A)	2-2-11 17:48:29
9	5	202005.D	5	110125A BLK 5/1000	Water	2-2-11 19:00:14
10	14	202014.D	5.10204	AY30410W06 5/980	Water	2-2-11 22:33:44
11	15	202015.D	5.10204	AY30411W14 MS-1 5/980	Water	2-2-11 22:57:21
12	16	202016.D	5.15464	AY30411W17 MSD-1 5/970	Water	2-2-11 23:20:57
13	19	202019.D	5.43478	AY30411W20 5/920	Water	2-3-11 0:31:34
14	20	202020.D	1	DIESEL 400/1000	Mix(A)	2-3-11 0:55:05
15	39	202039.D	1	DIESEL 400/1000	Mix(A)	2-3-11 8:26:09
16	42	202042.D	5	110125A LCS-1 5/1000	Water	2-3-11 9:46:21
17	43	202043.D	5	110125A LCSD-1 5/1000	Water	2-3-11 10:10:25
18	53	202053.D	1	DIESEL 400/1000	Mix(A)	2-3-11 16:10:49
19	4	212004.D	1	DIESEL 10/1000	Mix(A)	2-12-11 14:52:03
20	5	212005.D	1	DIESEL 100/1000	Mix(A)	2-12-11 15:17:04
21	6	212006.D	1	DIESEL 400/1000	Mix(A)	2-12-11 15:42:04
22	7	212007.D	1	DIESEL 600/1000	Mix(A)	2-12-11 16:07:02
23	8	212008.D	1	DIESEL 800/1000	Mix(A)	2-12-11 16:32:01
24	9	212009.D	1	DIESEL 1000/1000	Mix(A)	2-12-11 16:56:56
25	16	212016.D	1	DIESEL 400/1000 2ND SRC	Mix(A)	2-12-11 19:49:59
26	33	216033.D	1	DIESEL 600/1000	Mix(A)	2-17-11 8:53:40
27	44	216044.D	5.26316	AY30412W06 5/950	Water	2-17-11 13:15:01
28	45	216045.D	5	AY30413W05 5/1000	Water	2-17-11 13:38:47
29	47	216047.D	1	DIESEL 400/1000	Mix(B)	2-17-11 14:26:19

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: **110125W-30411 - 151694**
Batch ID: #SIMHC-110125A

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	01/25/11	02/03/11
BLANK	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
BLANK	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
BLANK	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
BLANK	SURROGATE: 2-FLUORBIPHENY	71.3	50-110			%	01/25/11	02/03/11
BLANK	SURROGATE: NITROBENZENE-	79.9	40-110			%	01/25/11	02/03/11
BLANK	SURROGATE: TERPHENYL-D14 (	74.1	50-135			%	01/25/11	02/03/11

Quant Method: SIM2.M
Run #: 0202L016
Instrument: Linus
Sequence: L110107
Initials: LF

GC SC-Blank-REG MDLs
Printed: 02/03/11 9:42:33 AM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc.
Case No: 63694
Matrix: WATER

SDG No: 63694
Date Analyzed: 02/03/11
Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: 2-FLUORBIPHENYL (S)	SURROGATE: NITROBENZENE-D5 (S)
110125A-BLK	Blank	71.3	79.9
110125A-LCS	Lab Control Spike	74.2	83.9
AY30410	ES010	57.0	56.1
AY30411-MS	Matrix Spike	71.7	80.9
AY30411-MSD	Matrix SpikeD	63.5	77.4
AY30411	ES011	58.7	59.3
AY30412	ES012	52.2	60.4
AY30413	ES013	51.0	58.2

Comments: Batch: #SIMHC-110125A

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc.
Case No: 63694
Matrix: WATER

SDG No: 63694
Date Analyzed: 02/03/11
Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: TERPHENYL-D14 (S)
110125A-BLK	Blank	74.1
110125A-LCS	Lab Control Spike	76.3
AY30410	ES010	55.8
AY30411-MS	Matrix Spike	76.8
AY30411-MSD	Matrix SpikeD	68.4
AY30411	ES011	54.1
AY30412	ES012	57.7
AY30413	ES013	55.8

Comments: Batch: #SIMHC-110125A

Laboratory Control Spike Recovery
EPA 8270D SIM

APPL ID: **110125W-30411 LCS - 151694**
Batch ID: #SIMHC-110125A

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	50.0	31.5	63.0	45-105
2-METHYLNAPHTHALENE	50.0	32.4	64.8	45-105
ACENAPHTHENE	50.0	33.3	66.6	45-110
ACENAPHTHYLENE	50.0	32.0	64.0	50-105
ANTHRACENE	50.0	33.0	66.0	55-110
BENZO(A)ANTHRACENE	50.0	35.5	71.0	55-110
BENZO(A)PYRENE	50.0	37.9	75.8	55-110
BENZO(B)FLUORANTHENE	50.0	33.9	67.8	45-120
BENZO(GHI)PERYLENE	50.0	34.0	68.0	40-125
BENZO(K)FLUORANTHENE	50.0	37.9	75.8	45-125
CHRYSENE	50.0	34.6	69.2	55-110
DIBENZ(A,H)ANTHRACENE	50.0	36.3	72.6	40-125
FLUORANTHENE	50.0	34.7	69.4	55-115
FLUORENE	50.0	33.9	67.8	50-110
INDENO(1,2,3-CD)PYRENE	50.0	35.1	70.2	45-125
NAPHTHALENE	50.0	29.8	59.6	40-100
PHENANTHRENE	50.0	33.7	67.4	50-115
PYRENE	50.0	35.2	70.4	50-130
SURROGATE: 2-FLUORBIPHENYL (S)	100	74.2	74.2	50-110
SURROGATE: NITROBENZENE-D5 (S)	100	83.9	83.9	40-110
SURROGATE: TERPHENYL-D14 (S)	100	76.3	76.3	50-135

Comments: ______________________________

Primary	SPK
Quant Method :	SIM2.M
Extraction Date :	01/25/11
Analysis Date :	02/03/11
Instrument :	Linus
Run :	0202L017
Initials :	LF

Printed: 02/03/11 9:42:43 AM

APPL Standard LCS

Matrix Spike Recoveries
EPA 8270D SIM

APPL ID: **110125W-30411 MS - 151694**
Batch ID: #SIMHC-110125A
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	52.1	23	61.0	60.5	72.9	72.0	45-105	0.82	25
2-METHYLNAPHTHALENE	52.1	5.6	40.9	39.6	67.8	65.3	45-105	3.2	25
ACENAPHTHENE	52.1	0.25	34.7	30.9	66.1	58.8	45-110	11.6	25
ACENAPHTHYLENE	52.1	0.14	33.6	30.1	64.2	57.5	50-105	11.0	25
ANTHRACENE	52.1	ND	36.5	31.7	70.1	60.8	55-110	14.1	25
BENZO(A)ANTHRACENE	52.1	ND	36.7	34.2	70.4	65.6	55-110	7.1	25
BENZO(A)PYRENE	52.1	ND	40.6	37.6	77.9	72.2	55-110	7.7	25
BENZO(B)FLUORANTHENE	52.1	ND	36.6	33.4	70.2	64.1	45-120	9.1	25
BENZO(GHI)PERYLENE	52.1	ND	36.5	33.9	70.1	65.1	40-125	7.4	25
BENZO(K)FLUORANTHENE	52.1	ND	39.4	37.6	75.6	72.2	45-125	4.7	25
CHRYSENE	52.1	ND	37.1	34.2	71.2	65.6	55-110	8.1	25
DIBENZ(A,H)ANTHRACENE	52.1	ND	38.9	36.1	74.7	69.3	40-125	7.5	25
FLUORANTHENE	52.1	ND	37.0	32.7	71.0	62.8	55-115	12.3	25
FLUORENE	52.1	0.16	34.3	31.8	65.5	60.7	50-110	7.6	25
INDENO(1,2,3-CD)PYRENE	52.1	ND	37.4	34.4	71.8	66.0	45-125	8.4	25
NAPHTHALENE	52.1	63	115	117	99.8	104 #	40-100	1.7	25
PHENANTHRENE	52.1	ND	37.1	32.7	71.2	62.8	50-115	12.6	25
PYRENE	52.1	ND	36.3	33.6	69.7	64.5	50-130	7.7	25
SURROGATE: 2-FLUORBIPHENYL (S)	104	NA	74.6	66.0	71.7	63.5	50-110		
SURROGATE: NITROBENZENE-D5 (S)	104	NA	84.1	80.5	80.9	77.4	40-110		
SURROGATE: TERPHENYL-D14 (S)	104	NA	79.9	71.1	76.8	68.4	50-135		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	SIM2.M	SIM2.M
Extraction Date :	01/25/11	01/25/11
Analysis Date :	02/03/11	02/03/11
Instrument :	Linus	Linus
Run :	0202L019	0202L020
Initials :	LF	

Printed: 02/03/11 9:42:48 AM
APPL MSD SCII

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc.
Case No: 63694
Matrix: WATER
Blank ID: 110125A-BLK

SDG No: 63694
Date Analyzed: 02/03/11
Instrument: Linus
Time Analyzed: 0029

APPL ID.	Client Sample No.	File ID.	Date Analyzed
110125A-BLK	Blank	0202L016	02/03/11 0029
110125A-LCS	Lab Control Spike	0202L017	02/03/11 0053
AY30410	ES010	0202L018	02/03/11 0118
110125A-MS	Matrix Spike	0202L019	02/03/11 0143
110125A-MSD	Matrix SpikeD	0202L020	02/03/11 0207
AY30411	ES011	0202L021	02/03/11 0232
AY30412	ES012	0202L022	02/03/11 0256
AY30413	ES013	0202L023	02/03/11 0321

Comments: Batch: #SIMHC-110125A

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 63694
Matrix: Water
ID: SVTUNE 04-12-10

SDG No: 63694
Date Analyzed: 02/02/11
Instrument: Linus
Time Analyzed: 18:23

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Blank	110125A BLK 1/1000	0202L016.D	02/03/11 0:29
2	Lab Control Spike	110125A LCS-1 1/1000	0202L017.D	02/03/11 0:53
3	ES010	AY30410W07 1/930	0202L018.D	02/03/11 1:18
4	Matrix Spike	AY30411W15 MS-1 1/96	0202L019.D	02/03/11 1:43
5	Matrix Spike Dup	AY30411W13 MSD-1 1/9	0202L020.D	02/03/11 2:07
6	ES011	AY30411W12 1/980	0202L021.D	02/03/11 2:32
7	ES012	AY30412W05 1/1010	0202L022.D	02/03/11 2:56
8	ES013	AY30413W07 1/970	0202L023.D	02/03/11 3:21
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	29.95 - 60% of mass 198	37.5
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.6
127	40 - 60% of mass 198	41.8
197	0 - 1% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	7.5
275	10 - 30% of mass 198	26.6
365	1 - 100% of mass 198	3.0
441	0.01 - 100% of mass 443	82.5
442	40 - 150% of mass 198	40.7
443	17 - 23% of mass 442	19.2

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc.　　Contract: Review

Lab Code: ______　　SDG No.: 63694

Lab File ID (Standard): 0107L006.D　　Date Analyzed: 7 Jan 11 16:21

Instrument ID: Linus　　Time Analyzed: 7 Jan 11 16:21

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	4846		5.96		2598		7.97		4253		9.70	
	UPPER LIMIT	9692		6.46		5196		8.47		8506		10.20	
	LOWER LIMIT	2423		5.46		1299		7.47		2127		9.20	
	SAMPLE NO.												
01	110125A BLK 1/1000	3854		5.96		2091		7.97		3591		9.70	
02	110125A LCS-1 1/1000	3756		5.95		2011		7.95		3422		9.69	
03	AY30410W07 1/930	4120		5.95		2338		7.95		3715		9.70	
04	AY30411W15 MS-1 1/9	4102		5.95		2226		7.95		3568		9.69	
05	AY30411W13 MSD-1 1/	3963		5.95		2274		7.95		3728		9.69	
06	AY30411W12 1/980	4191		5.95		2321		7.95		3840		9.70	
07	AY30412W05 1/1010	4244		5.96		2244		7.97		3872		9.70	
08	AY30413W07 1/970	4204		5.96		2174		7.97		3755		9.70	
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.: 63694

Lab File ID (Standard): 0107L006.D Date Analyzed: 7 Jan 11 16:21

Instrument ID: Linus Time Analyzed: 7 Jan 11 16:21

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

		Chrysene-D12(IS)						Perylene-D12(IS)								
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	8198		12.80		7099		14.41					
	UPPER LIMIT	16396		13.30		14198		14.91					
	LOWER LIMIT	4099		12.30		3550		13.91					
	SAMPLE NO.												
01	110125A BLK 1/1000	7088		12.82		5985		14.44					
02	110125A LCS-1 1/1000	6659		12.80		5552		14.42					
03	AY30410W07 1/930	7182		12.81		6077		14.43					
04	AY30411W15 MS-1 1/9	7104		12.80		5885		14.42					
05	AY30411W13 MSD-1 1/	6991		12.80		5742		14.42					
06	AY30411W12 1/980	7545		12.81		6297		14.43					
07	AY30412W05 1/1010	7632		12.81		6550		14.43					
08	AY30413W07 1/970	7405		12.81		6205		14.44					
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

APPL, INC.

EPA 8270D SIM

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES010
Sample Collection Date: 01/18/11

ARF: 63694
APPL ID: AY30410
QCG: #SIMHC-110125A-151694

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	19	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	2-METHYLNAPHTHALENE	3.6	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHENE	0.29	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHYLENE	0.13 J	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORENE	0.15 J	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	NAPHTHALENE	57	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	57.0	50-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	56.1	40-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	55.8	50-135			%	01/25/11	02/03/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 0202L018
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/03/11 9:42:53 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0202L018.D
Acq On : 3 Feb 11 1:18
Sample : AY30410W07 1/930
Misc :

Vial: 18
Operator: LF
Inst : Linus
Multiplr: 1.08

Quant Time: Feb 3 9:25 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:09:09 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.95	136	4120	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	7.95	164	2338	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.70	188	3715	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	7182	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	6077	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	44325	60.30267 ppb	-0.05
Spiked Amount 107.527			Recovery =	56.082%	
7) Surrogate Recovery (FBP)	7.19	172	118455	61.27093 ppb	-0.01
Spiked Amount 107.527			Recovery =	56.982%	
17) Surrogate Recovery (TPH)	11.56	244	159622	60.04622 ppb	-0.01
Spiked Amount 107.527			Recovery =	55.843%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.96	128	151248	56.90539 ppb		97
4) 2-Methylnaphthalene	6.76	142	6219	3.55053 ppb		82
5) 1-Methylnaphthalene	6.87	142	32040	19.45048 ppb		100
8) Acenaphthylene	7.80	152	391	0.12960 ppb	#	1
9) Acenaphthene	7.99	154	498	0.28916 ppb		99
10) Fluorene	8.60	166	315	0.14835 ppb		97

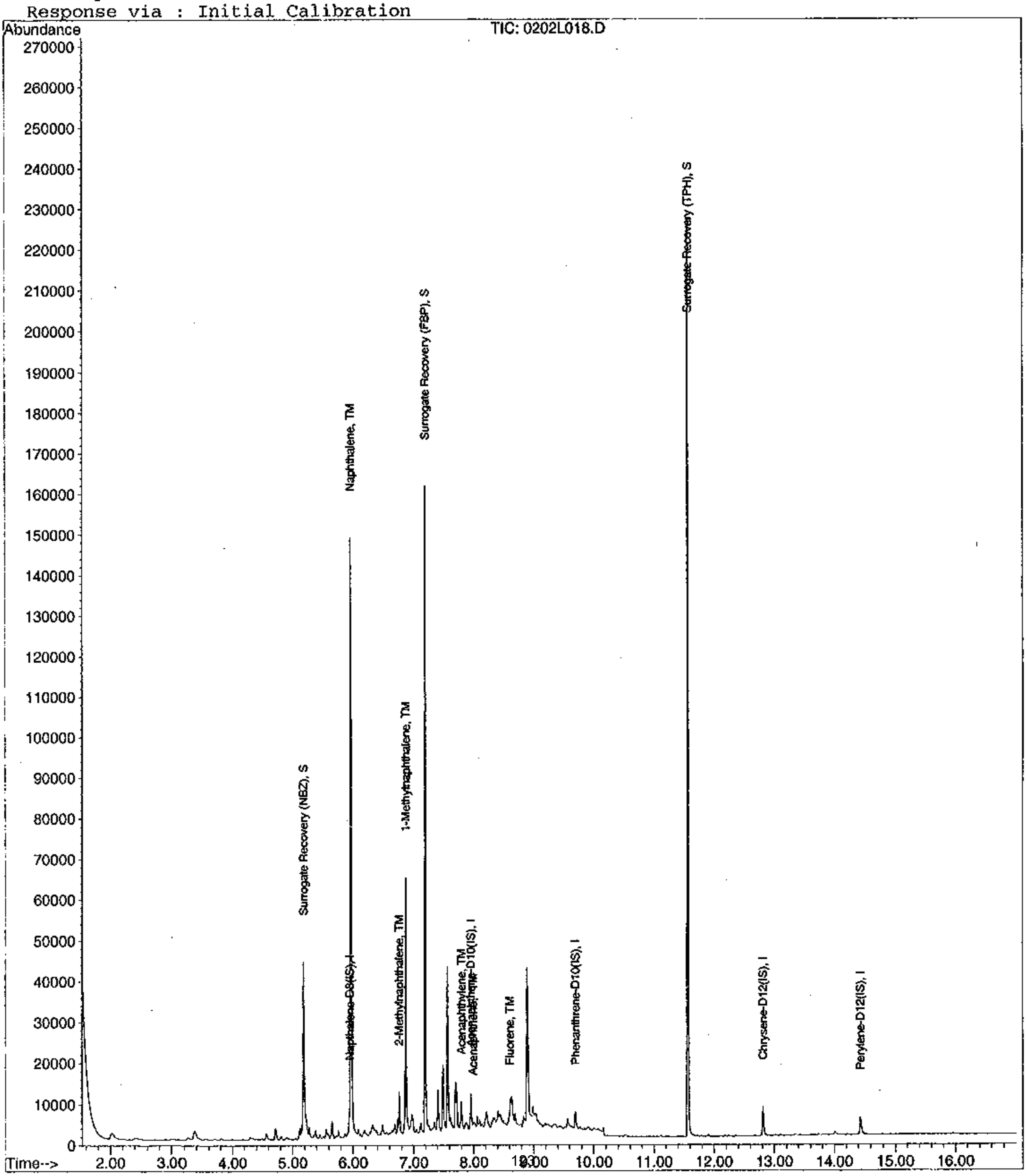
(#) = qualifier out of range (m) = manual integration

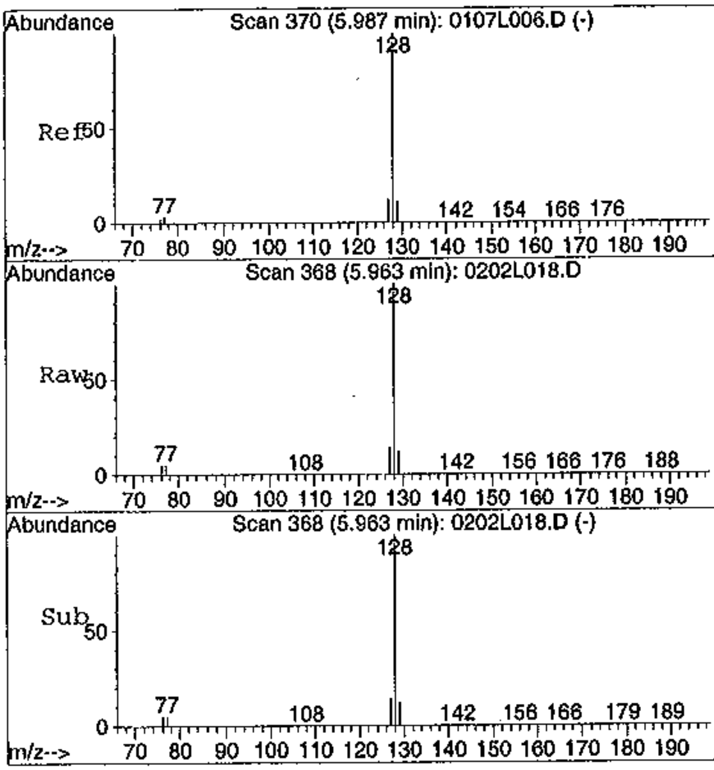
Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0202L018.D          Vial: 18
Acq On    :  3 Feb 11   1:18                      Operator: LF
Sample    : AY30410W07 1/930                      Inst    : Linus
Misc      :                                       Multiplr: 1.08

Quant Time: Feb  3  9:25 2011            Quant Results File: SIM2.RES

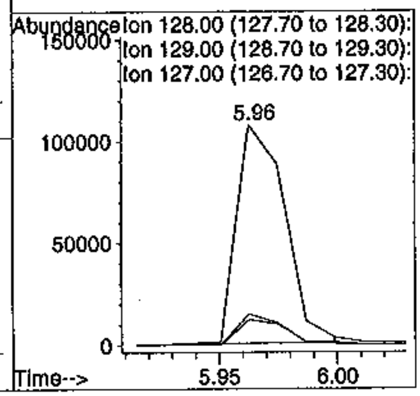
Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Thu Feb 03 09:11:07 2011
Response via  : Initial Calibration
```

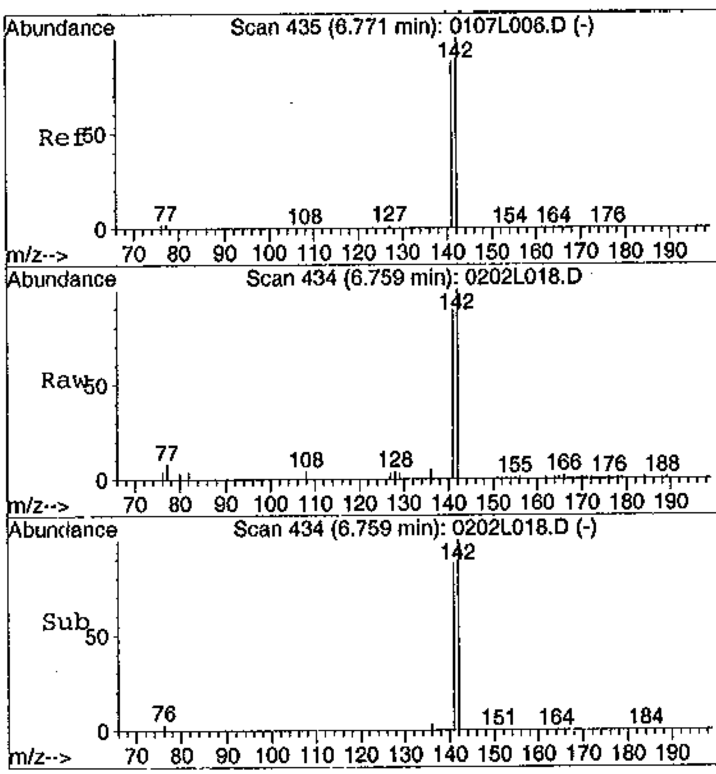




#3
Naphthalene
Concen: 56.90539 ppb
RT: 5.96 min Scan# 368
Delta R.T. -0.02 min
Lab File: 0202L018.D
Acq: 3 Feb 11 1:18

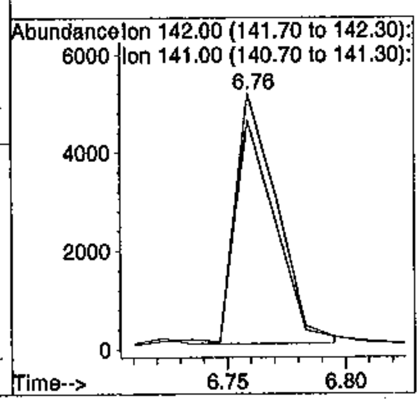
Tgt	Ion:128	Resp:	151248
Ion	Ratio	Lower	Upper
128	100		
129	10.6	7.8	14.4
127	13.8	8.5	15.7

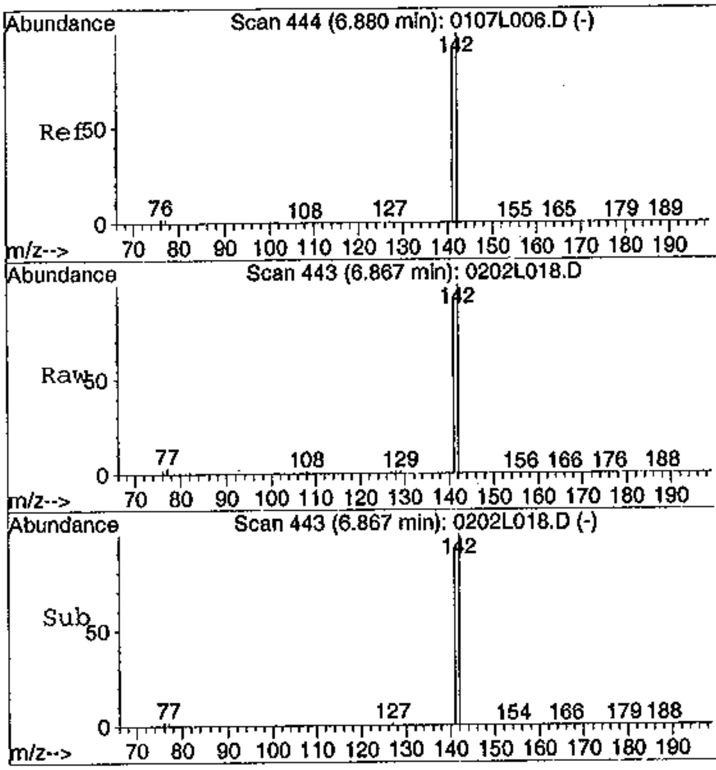




#4
2-Methylnaphthalene
Concen: 3.55053 ppb
RT: 6.76 min Scan# 434
Delta R.T. -0.04 min
Lab File: 0202L018.D
Acq: 3 Feb 11 1:18

Tgt	Ion:142	Resp:	6219
Ion	Ratio	Lower	Upper
142	100		
141	87.4	73.9	137.3

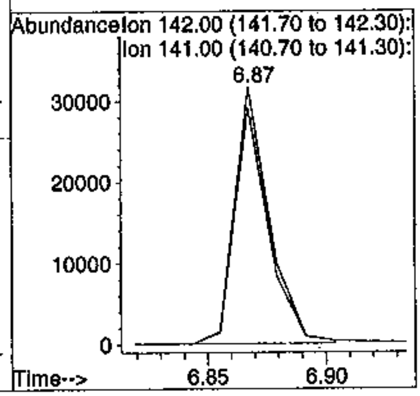


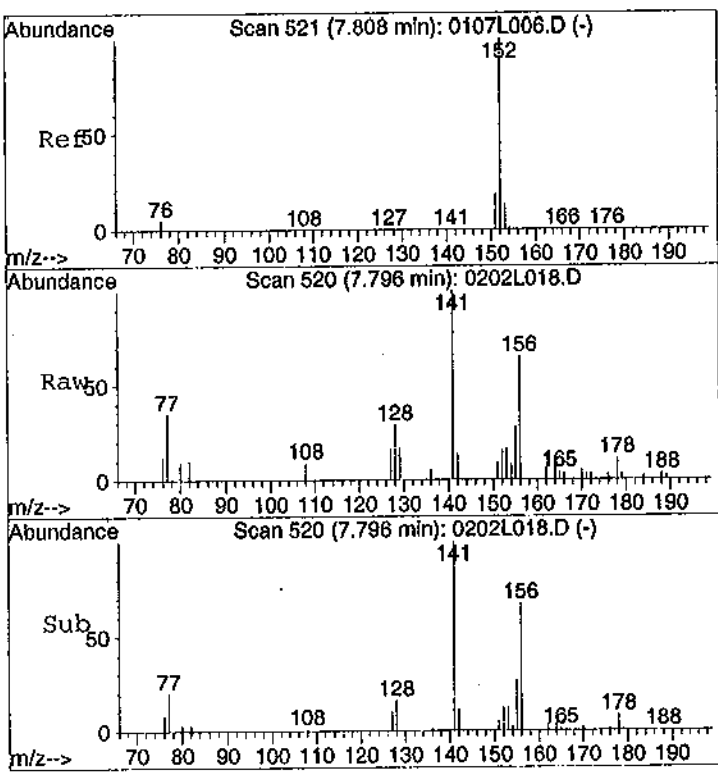


#5
1-Methylnaphthalene
Concen: 19.45048 ppb
RT: 6.87 min Scan# 443
Delta R.T. -0.01 min
Lab File: 0202L018.D
Acq: 3 Feb 11 1:18

Tgt Ion:142 Resp: 32040

Ion	Ratio	Lower	Upper
142	100		
141	91.9	64.2	119.2

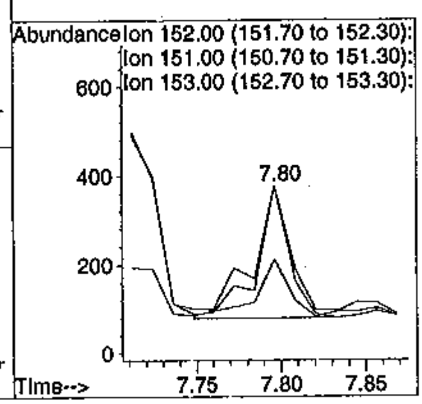


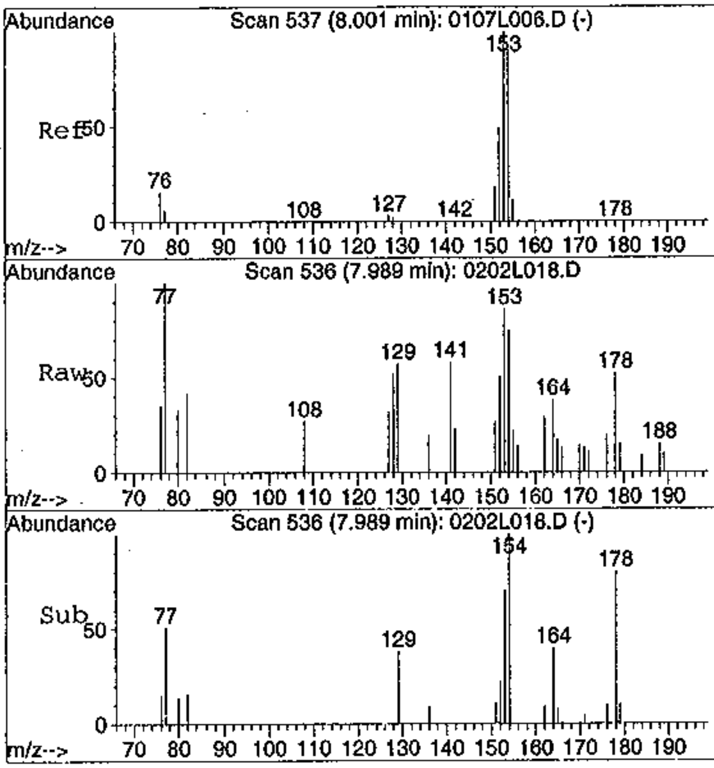


#8
Acenaphthylene
Concen: 0.12960 ppb
RT: 7.80 min Scan# 520
Delta R.T. -0.01 min
Lab File: 0202L018.D
Acq: 3 Feb 11 1:18

Tgt Ion:152 Resp: 391

Ion	Ratio	Lower	Upper
152	100		
151	42.1	13.2	24.6#
153	94.3	9.0	16.8#

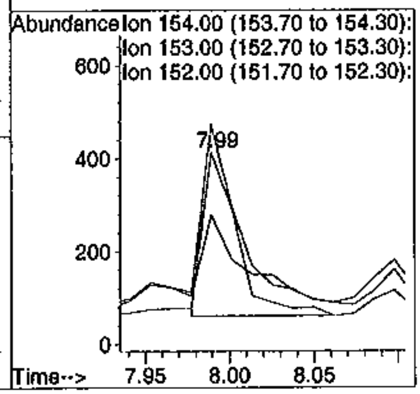


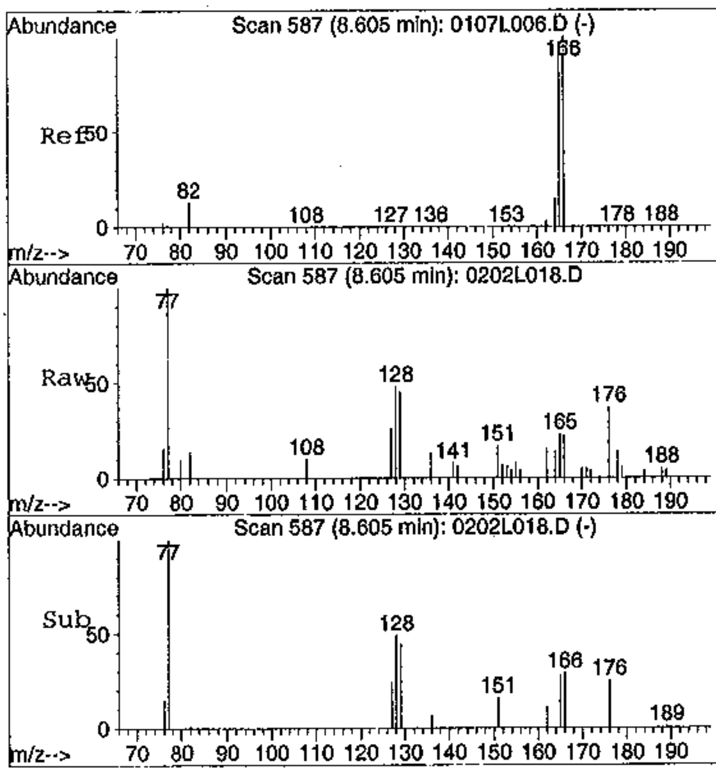


#9
Acenaphthene
Concen: 0.28916 ppb
RT: 7.99 min Scan# 536
Delta R.T. -0.01 min
Lab File: 0202L018.D
Acq: 3 Feb 11 1:18

Tgt Ion:154 Resp: 498

Ion	Ratio	Lower	Upper
154	100		
153	109.1	75.5	140.1
152	53.7	37.2	69.2

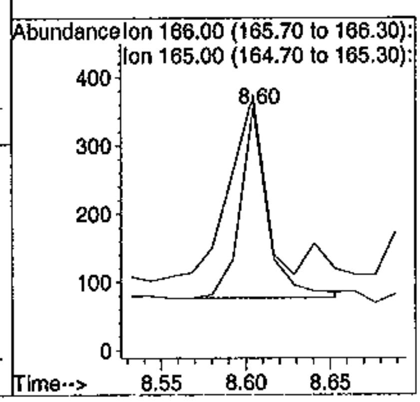




#10
Fluorene
Concen: 0.14835 ppb
RT: 8.60 min Scan# 587
Delta R.T. -0.00 min
Lab File: 0202L018.D
Acq: 3 Feb 11 1:18

Tgt Ion:166 Resp: 315

Ion	Ratio	Lower	Upper
166	100		
165	93.9	68.1	126.5



EPA 8270D SIM

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

Sample ID: ES011

Sample Collection Date: 01/18/11

ARF: 63694

APPL ID: AY30411

QCG: #SIMHC-110125A-151694

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	23	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	2-METHYLNAPHTHALENE	5.6	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHENE	0.25	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHYLENE	0.14 J	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORENE	0.16 J	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	NAPHTHALENE	63	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	58.7	50-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	59.3	40-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	54.1	50-135			%	01/25/11	02/03/11

J = Estimated value.

Quant Method: SIM2.M
Run #: 0202L021
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/03/11 9:42:53 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0202L021.D Vial: 21
Acq On : 3 Feb 11 2:32 Operator: LF
Sample : AY30411W12 1/980 Inst : Linus
Misc : Multiplr: 1.02

Quant Time: Feb 3 9:27 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:09:09 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.95	136	4191	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	7.95	164	2321	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.70	188	3840	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	7545	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	6297	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	47698	60.53753 ppb	-0.05
Spiked Amount 102.041			Recovery =	59.327%	
7) Surrogate Recovery (FBP)	7.19	172	121233	59.94438 ppb	-0.01
Spiked Amount 102.041			Recovery =	58.745%	
17) Surrogate Recovery (TPH)	11.56	244	162314	55.15594 ppb	-0.01
Spiked Amount 102.041			Recovery =	54.053%	
Target Compounds					Qvalue
3) Naphthalene	5.96	128	178189	62.54339 ppb	97
4) 2-Methylnaphthalene	6.76	142	10520	5.60306 ppb	86
5) 1-Methylnaphthalene	6.87	142	40046	22.67951 ppb	100
8) Acenaphthylene	7.80	152	456	0.14449 ppb	# 1
9) Acenaphthene	7.99	154	445	0.24700 ppb	98
10) Fluorene	8.60	166	364	0.16387 ppb	94

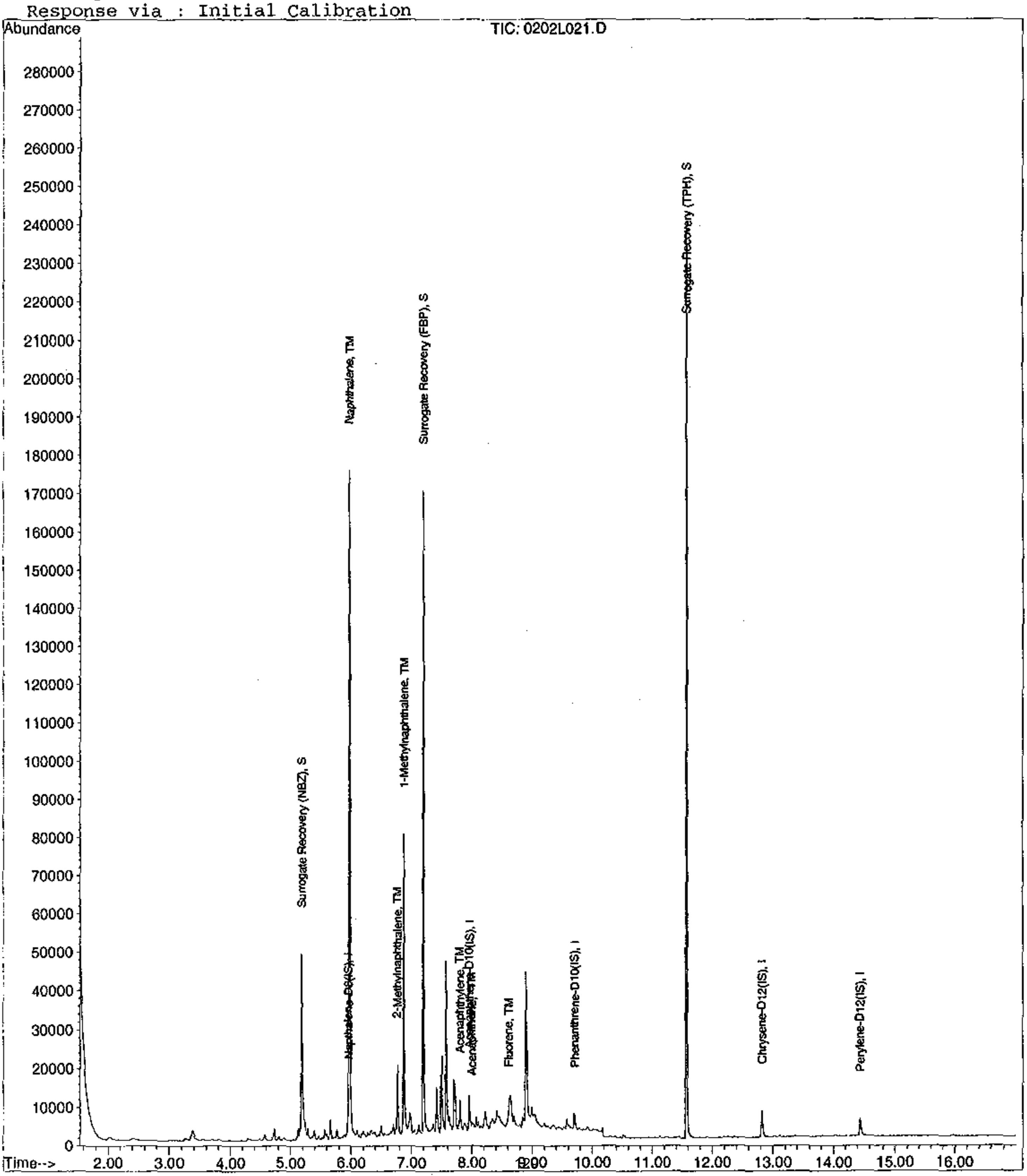
(#) = qualifier out of range (m) = manual integration
0202L021.D SIM2.M Thu Feb 03 09:46:44 2011

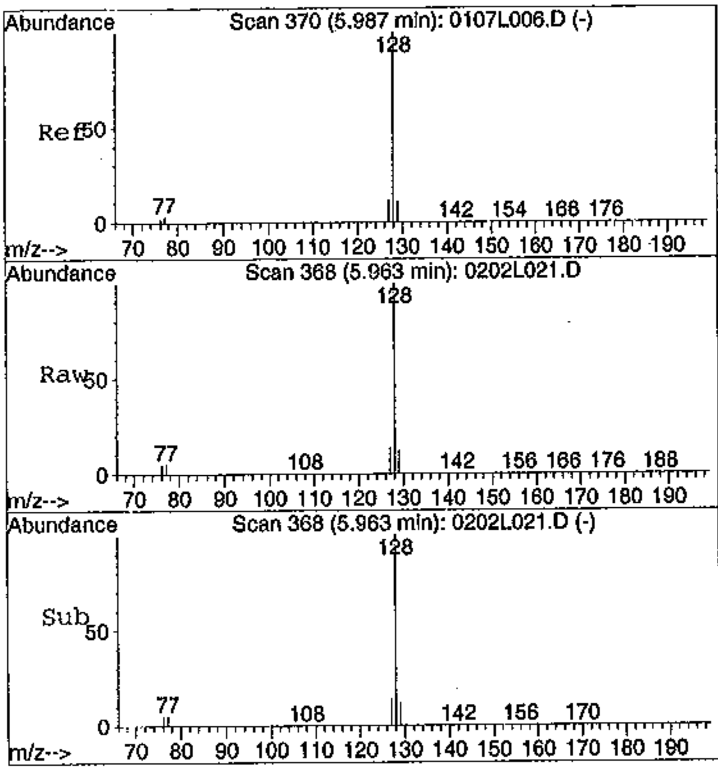
Quantitation Report

Data File : M:\LINUS\DATA\L110107\0202L021.D Vial: 21
Acq On : 3 Feb 11 2:32 Operator: LF
Sample : AY30411W12 1/980 Inst : Linus
Misc : Multiplr: 1.02

Quant Time: Feb 3 9:27 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:11:07 2011
Response via : Initial Calibration

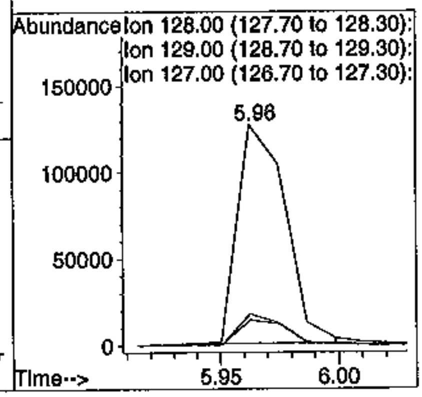


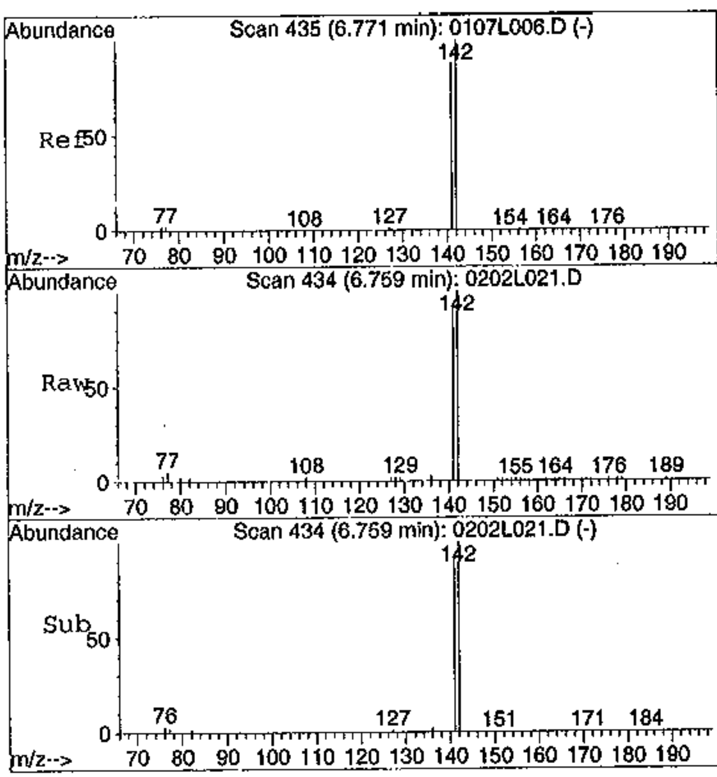


#3
Naphthalene
Concen: 62.54339 ppb
RT: 5.96 min Scan# 368
Delta R.T. -0.02 min
Lab File: 0202L021.D
Acq: 3 Feb 11 2:32

Tgt Ion:128 Resp: 178189

Ion	Ratio	Lower	Upper
128	100		
129	10.6	7.8	14.4
127	13.9	8.5	15.7

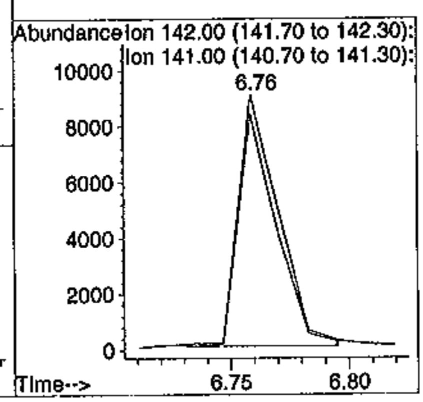




#4
2-Methylnaphthalene
Concen: 5.60306 ppb
RT: 6.76 min Scan# 434
Delta R.T. -0.04 min
Lab File: 0202L021.D
Acq: 3 Feb 11 2:32

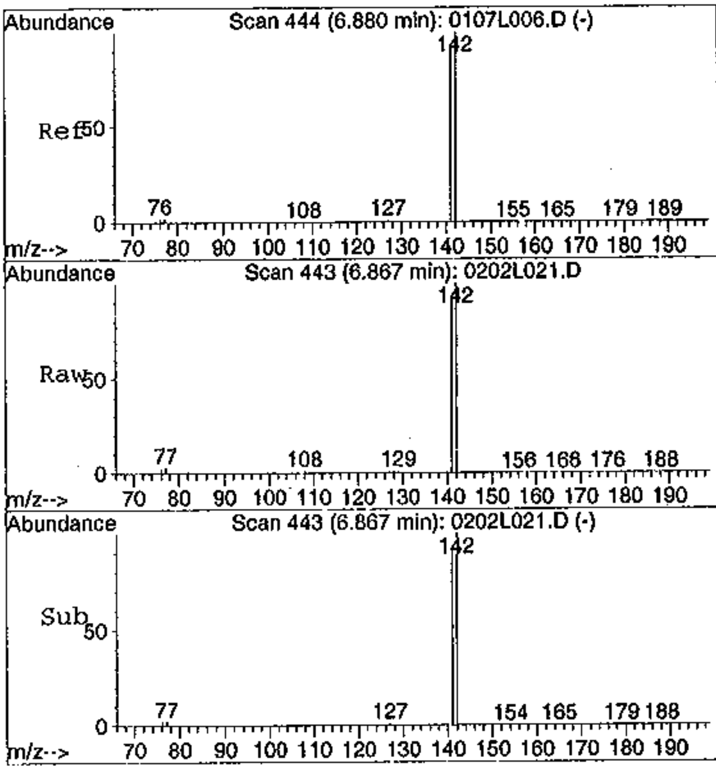
Tgt Ion:142 Resp: 10520

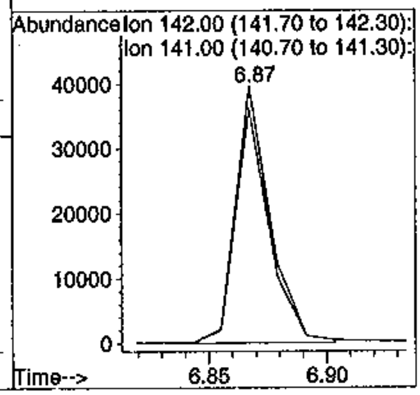
Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.9	137.3



#5
1-Methylnaphthalene
Concen: 22.67951 ppb
RT: 6.87 min   Scan# 443
Delta R.T.   -0.01 min
Lab File: 0202L021.D
Acq: 3 Feb 11   2:32

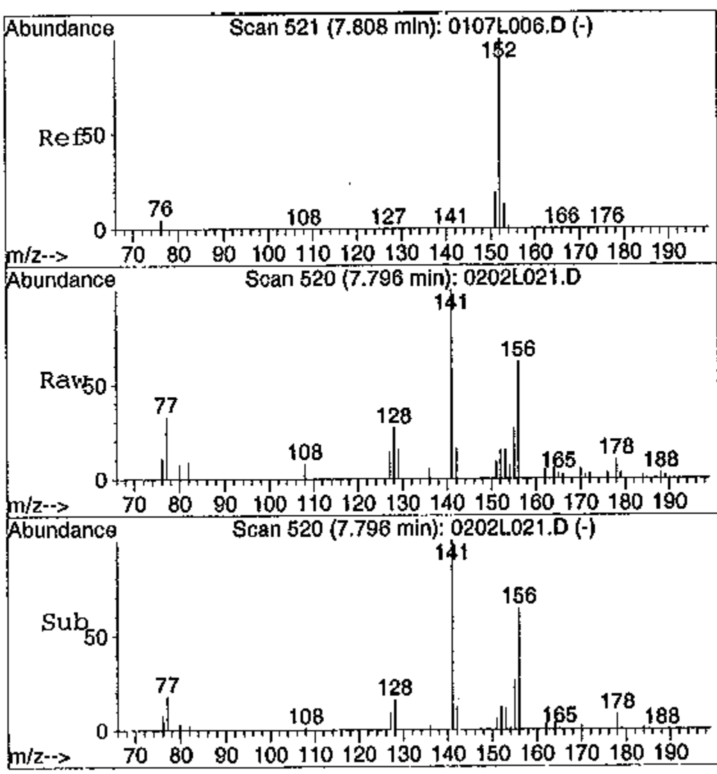
Tgt Ion:142	Resp:		40046
Ion	Ratio	Lower	Upper
142	100		
141	91.4	64.2	119.2

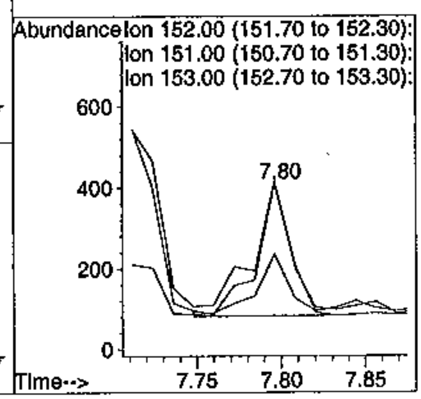


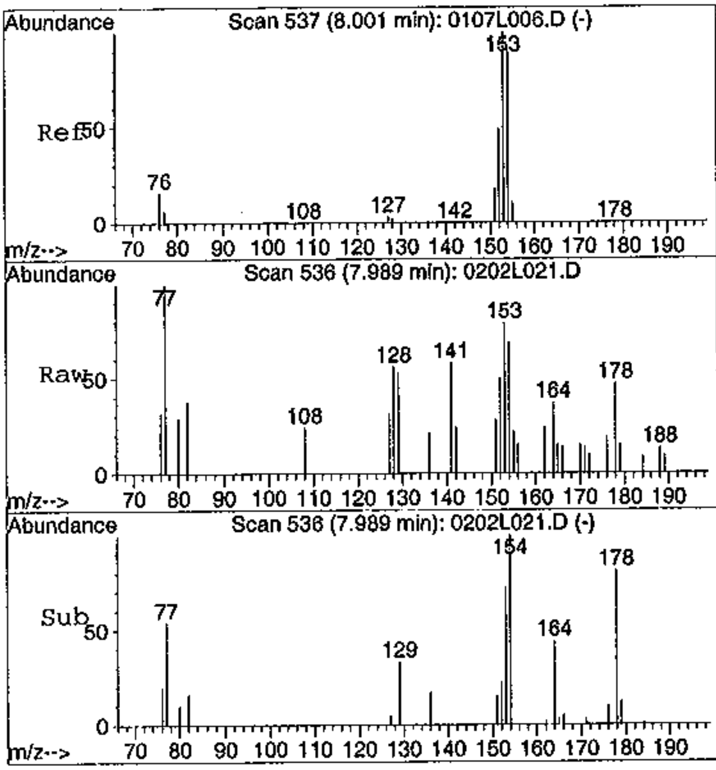


#8
Acenaphthylene
Concen: 0.14449 ppb
RT: 7.80 min   Scan# 520
Delta R.T.   -0.01 min
Lab File: 0202L021.D
Acq: 3 Feb 11   2:32

Tgt Ion:152	Resp:		456
Ion	Ratio	Lower	Upper
152	100		
151	45.7	13.2	24.6#
153	97.2	9.0	16.8#

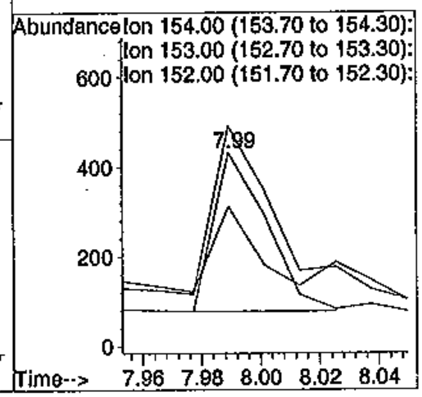


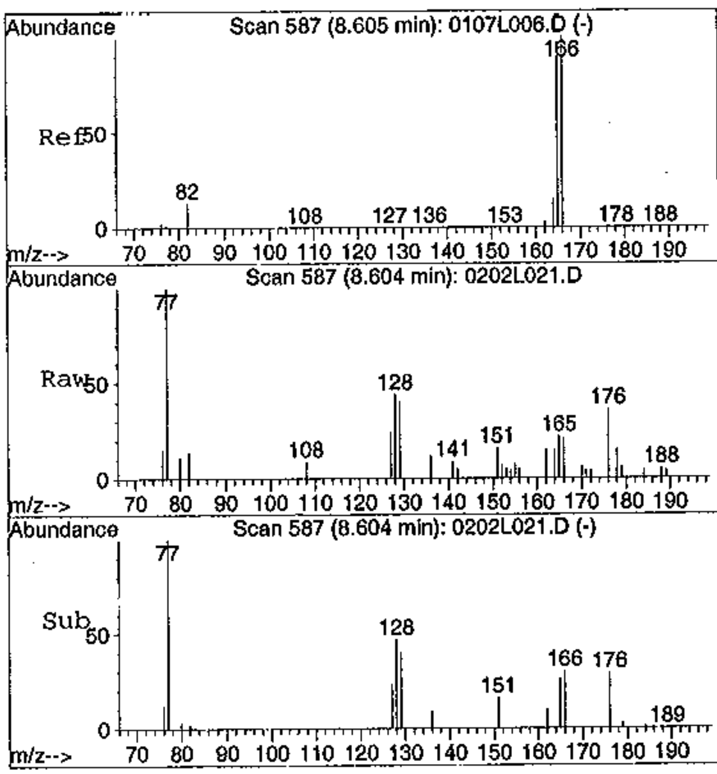




#9
Acenaphthene
Concen: 0.24700 ppb
RT: 7.99 min Scan# 536
Delta R.T. -0.01 min
Lab File: 0202L021.D
Acq: 3 Feb 11 2:32

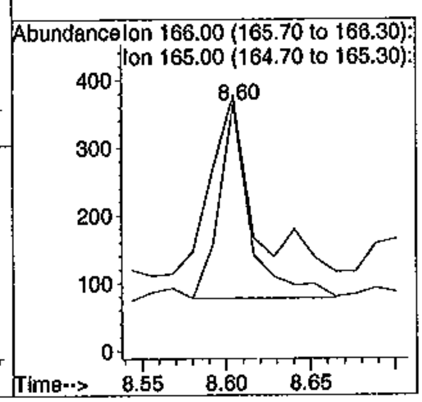
Tgt Ion:154	Resp:		445
Ion	Ratio	Lower	Upper
154	100		
153	105.6	75.5	140.1
152	53.5	37.2	69.2





#10
Fluorene
Concen: 0.16387 ppb
RT: 8.60 min Scan# 587
Delta R.T. -0.00 min
Lab File: 0202L021.D
Acq: 3 Feb 11 2:32

Tgt Ion:166	Resp:		364
Ion	Ratio	Lower	Upper
166	100		
165	90.9	68.1	126.5



EPA 8270D SIM

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: ES012

APPL ID: AY30412

Sample Collection Date: 01/19/11

QCG: #SIMHC-110125A-151694

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	01/25/11	02/03/11
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	52.2	50-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	60.4	40-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	57.7	50-135			%	01/25/11	02/03/11

Quant Method: SIM2.M
Run #: 0202L022
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/03/11 9:42:53 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0202L022.D
Acq On : 3 Feb 11 2:56
Sample : AY30412W05 1/1010
Misc :

Vial: 22
Operator: LF
Inst : Linus
Multiplr: 0.99

Quant Time: Feb 3 9:28 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:09:09 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4244	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2244	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	3872	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	7632	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	6550	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	49173	59.79954 ppb	-0.05
Spiked Amount 99.010			Recovery =	60.398%	
7) Surrogate Recovery (FBP)	7.19	172	104126	51.67059 ppb	-0.01
Spiked Amount 99.010			Recovery =	52.188%	
17) Surrogate Recovery (TPH)	11.56	244	175123	57.08273 ppb	-0.01
Spiked Amount 99.010			Recovery =	57.654%	

Target Compounds Qvalue

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

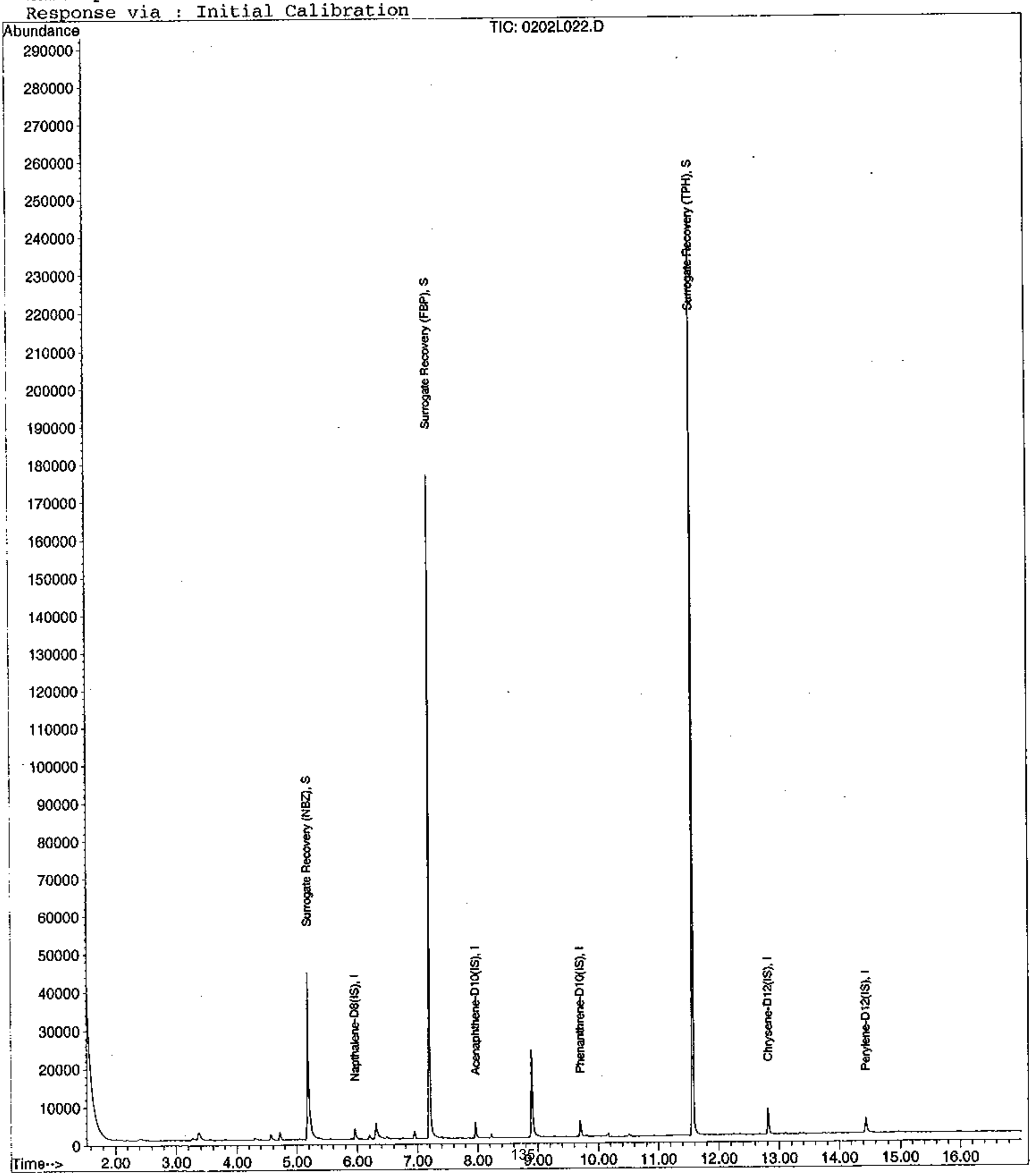
Quantitation Report

Data File : M:\LINUS\DATA\L110107\0202L022.D
Acq On : 3 Feb 11 2:56
Sample : AY30412W05 1/1010
Misc :

Vial: 22
Operator: LF
Inst : Linus
Multiplr: 0.99

Quant Time: Feb 3 9:28 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:11:07 2011
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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

Sample ID: ES013

Sample Collection Date: 01/19/11

ARF: 63694

APPL ID: AY30413

QCG: #SIMHC-110125A-151694

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	01/25/11	02/03/11
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	51.0	50-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	58.2	40-110			%	01/25/11	02/03/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	55.8	50-135			%	01/25/11	02/03/11

Quant Method: SIM2.M
Run #: 0202L023
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/03/11 9:42:53 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

```
Data File : M:\LINUS\DATA\L110107\0202L023.D          Vial: 23
Acq On    :  3 Feb 11   3:21                      Operator: LF
Sample    : AY30413W07 1/970                      Inst    : Linus
Misc      :                                       Multiplr: 1.03

Quant Time: Feb  3  9:28 2011           Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Thu Feb 03 09:09:09 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4204	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2174	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	3755	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	7405	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.44	264	6205	2.50000 ppb	0.04
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	46969	60.04063 ppb	-0.05
Spiked Amount 103.093			Recovery =	58.240%	
7) Surrogate Recovery (FBP)	7.19	172	98612	52.59294 ppb	-0.01
Spiked Amount 103.093			Recovery =	51.015%	
17) Surrogate Recovery (TPH)	11.56	244	164541	57.55712 ppb	-0.01
Spiked Amount 103.093			Recovery =	55.830%	

Target Compounds Qvalue

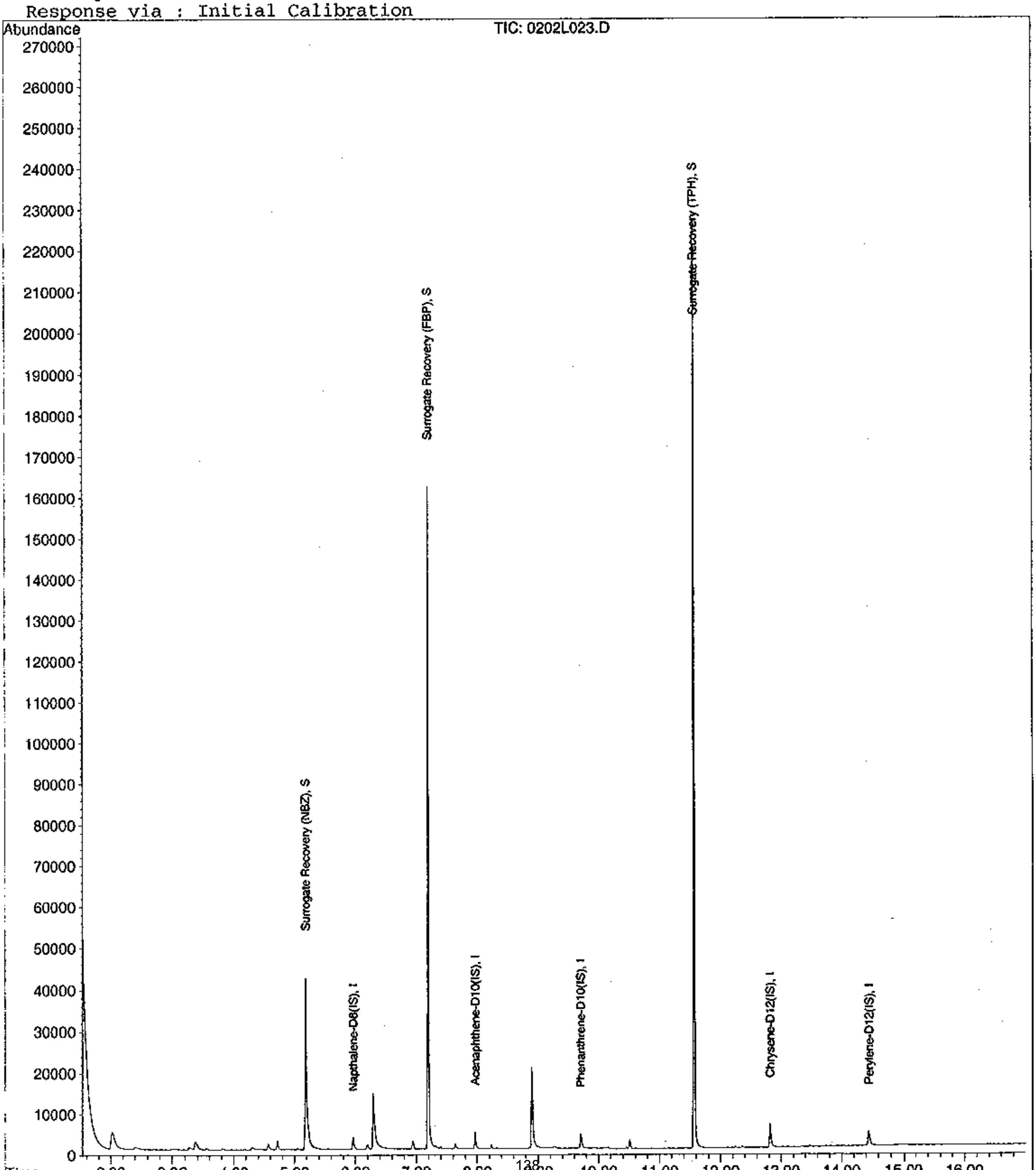
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0202L023.D          Vial: 23
Acq On    :  3 Feb 11   3:21                      Operator: LF
Sample    : AY30413W07 1/970                      Inst    : Linus
Misc      :                                       Multiplr: 1.03

Quant Time: Feb  3  9:28 2011           Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Thu Feb 03 09:11:07 2011
Response via  : Initial Calibration
```



EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Calibration Data

APPL, INC.

EPA 8270C SIM

Form 6
Initial Calibration

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

SDG No: 63694
Initial Cal. Date: 01/07/11
Instrument: Linus

Initials:

			0107L002.D	0107L003.D	0107L004.D	0107L005.D	0107L006.D	0107L007.D	0107L008.D	0107L009.D					
		Compound	0.1	0.2	0.5	1	5	10	50	100			Avg	%RSD	
1	I	Napthalene-D8(IS)													
2	S	Surrogate Recovery (NBZ)	0.5357	0.4186	0.4527	0.4728	0.4952	0.5250	0.4817	0.4549			0.48	8.1	S
3	TM	Naphthalene	1.866	1.736	1.824	1.855	1.830	1.743	1.578	1.442			1.7	8.7	TM
4	TM	2-Methylnaphthalene	1.265	1.204	1.103	1.117	1.193	1.205	1.085	0.9718			1.1	8.1	TM
5	TM	1-Methylnaphthalene	1.203	1.025	1.124	1.133	1.137	1.109	0.9935	0.8735			1.1	9.7	TM
6	I	Acenaphthene-D10(IS)													
7	S	Surrogate Recovery (FBP)	2.553	2.262	2.299	2.162	2.233	2.334	1.975	1.964			2.2	8.7	S
8	TM	Acenaphthylene	4.078	3.411	3.724	3.444	3.376	3.508	3.111	3.099			3.5	9.2	TM
9	*TM	Acenaphthene	2.361	1.972	2.074	1.901	2.053	2.036	1.797	1.648			2.0	11	*TM
10	TM	Fluorene	2.797	2.316	2.536	2.442	2.429	2.464	2.232	2.316			2.4	7.1	TM
11	I	Phenanthrene-D10(IS)													
12	TM	Phenanthrene	2.479	2.176	2.100	1.940	2.142	2.199	1.850	1.779			2.1	11	TM
13	TM	Anthracene	2.469	2.083	2.222	2.041	2.159	2.102	1.842	1.862			2.1	9.6	TM
14	*TM	Fluoranthene	3.865	3.460	3.322	3.120	3.441	3.399	3.020	2.812			3.3	9.7	*TM
15	I	Chrysene-D12(IS)													
16	TM	Pyrene	1.985	1.915	1.711	1.663	1.817	1.843	1.573	1.530			1.8	9.2	TM
17	S	Surrogate Recovery (TPH)	1.217	1.036	0.9143	0.9090	1.024	1.099	0.8743	0.8863			0.99	12	S
18	TM	Benz (a) anthracene	1.930	1.779	1.621	1.408	1.644	1.739	1.524	1.413			1.6	11	TM
19	TM	Chrysene	2.027	1.772	1.666	1.651	1.679	1.756	1.370	1.388			1.7	13	TM
20	TM	Indeno (1,2,3-cd) pyrene	1.834	1.665	1.545	1.442	1.610	1.677	1.485	1.458			1.6	8.4	TM
21	I	Perylene-D12(IS)													
22	TM	Benzo (b) fluoranthene	2.174	2.089	1.615	1.554	2.151	1.784	1.634	1.922			1.9	14	TM
23	TM	Benzo (k) fluoranthene	2.018	1.847	1.981	1.795	1.453	1.951	1.608	1.333			1.7	15	TM
24	*TM	Benzo (a) pyrene	1.736	1.736	1.604	1.554	1.616	1.658	1.548	1.495			1.6	5.4	*TM
25	TM	Dibenz (a,h) anthracene	1.774	1.466	1.564	1.452	1.557	1.595	1.510	1.500			1.6	6.6	TM
26	TM	Benzo (g,h,i) perylene	2.006	1.791	1.640	1.483	1.570	1.607	1.484	1.492			1.6	11	TM
27															
28															
29															
30															
31															
32															
33															
34															
35															

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L002.D
Acq On : 7 Jan 11 14:40
Sample : 0.1ug/ml PAH 01-07-11
Misc :

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

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:24 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5693	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2869	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4689	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	9079	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.42	264	7878	2.50000 ppb	0.01
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.21	82	122	0.11070 ppb	0.02
Spiked Amount 2.000			Recovery	= 5.550%	
7) Surrogate Recovery (FBP)	7.21	172	293	0.11617 ppb	0.00
Spiked Amount 2.000			Recovery	= 5.800%	
17) Surrogate Recovery (TPH)	11.58	244	442	0.12595 ppb	0.01
Spiked Amount 2.000			Recovery	= 6.300%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.99	128	425	0.10130 ppb		98
4) 2-Methylnaphthalene	6.78	142	288	0.10953 ppb		97
5) 1-Methylnaphthalene	6.89	142	274	0.10602 ppb		96
8) Acenaphthylene	7.81	152	468	0.11959 ppb	#	95
9) Acenaphthene	8.00	154	271	0.11947 ppb		92
10) Fluorene	8.62	166	321	0.11486 ppb		95
12) Phenanthrene	9.74	178	465	0.12148 ppb		97
13) Anthracene	9.80	178	463	0.11755 ppb		99
14) Fluoranthene	11.13	202	725	0.11787 ppb	#	95
16) Pyrene	11.39	202	721	0.11409 ppb		98
18) Benz (a) anthracene	12.80	228	701	0.12651 ppb		93
19) Chrysene	12.83	228	736	0.12173 ppb	#	93
20) Indeno (1,2,3-cd) pyrene	15.91	276	666	0.12019 ppb	#	94
22) Benzo (b) fluoranthene	14.00	252	685	0.11734 ppb		97
23) Benzo (k) fluoranthene	14.02	252	636	0.12404 ppb		93
24) Benzo (a) pyrene	14.30	252	547	0.10951 ppb		97
25) Dibenz (a,h) anthracene	15.90	278	559	0.11787 ppb	#	84
26) Benzo (g,h,i) perylene	16.34	276	632	0.13139 ppb		94

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

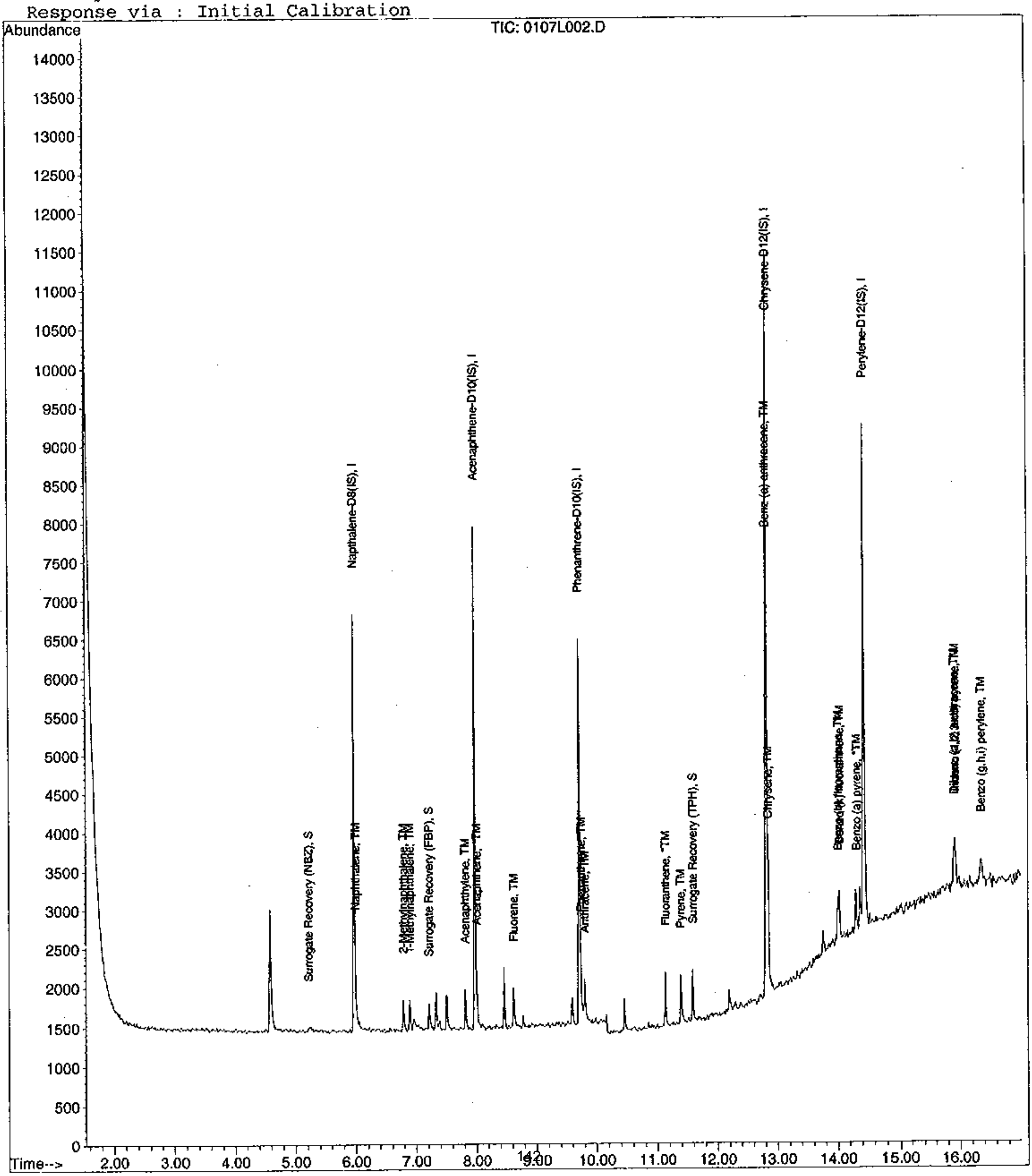
Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L002.D
Acq On : 7 Jan 11 14:40
Sample : 0.1ug/ml PAH 01-07-11
Misc :

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

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L003.D
Acq On : 7 Jan 11 15:05
Sample : 0.2ug/ml PAH
Misc :

Vial: 3
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5315	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2763	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4555	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	8951	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.42	264	7655	2.50000 ppb	0.01
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.21	82	178	0.17299 ppb	0.02
Spiked Amount 2.000			Recovery	= 8.650%	
7) Surrogate Recovery (FBP)	7.21	172	500	0.20585 ppb	0.00
Spiked Amount 2.000			Recovery	= 10.300%	
17) Surrogate Recovery (TPH)	11.58	244	742	0.21445 ppb	0.01
Spiked Amount 2.000			Recovery	= 10.700%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.99	128	738	0.18841 ppb		98
4) 2-Methylnaphthalene	6.78	142	512	0.20857 ppb		94
5) 1-Methylnaphthalene	6.89	142	436	0.18071 ppb		97
8) Acenaphthylene	7.81	152	754	0.20007 ppb		98
9) Acenaphthene	8.00	154	436	0.19959 ppb		89
10) Fluorene	8.62	166	512	0.19024 ppb		92
12) Phenanthrene	9.74	178	793	0.21326 ppb		95
13) Anthracene	9.80	178	759	0.19836 ppb		94
14) Fluoranthene	11.13	202	1261	0.21105 ppb	#	97
16) Pyrene	11.39	202	1371	0.22005 ppb		92
18) Benz (a) anthracene	12.80	228	1274	0.23321 ppb		99
19) Chrysene	12.83	228	1269	0.21288 ppb	#	94
20) Indeno (1,2,3-cd) pyrene	15.90	276	1192	0.21818 ppb	#	96
22) Benzo (b) fluoranthene	14.00	252	1279	0.22548 ppb		97
23) Benzo (k) fluoranthene	14.02	252	1131	0.22700 ppb		98
24) Benzo (a) pyrene	14.29	252	1063	0.21901 ppb	#	94
25) Dibenz (a,h) anthracene	15.90	278	898	0.19487 ppb		96
26) Benzo (g,h,i) perylene	16.33	276	1097	0.23470 ppb		92

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

Quantitation Report

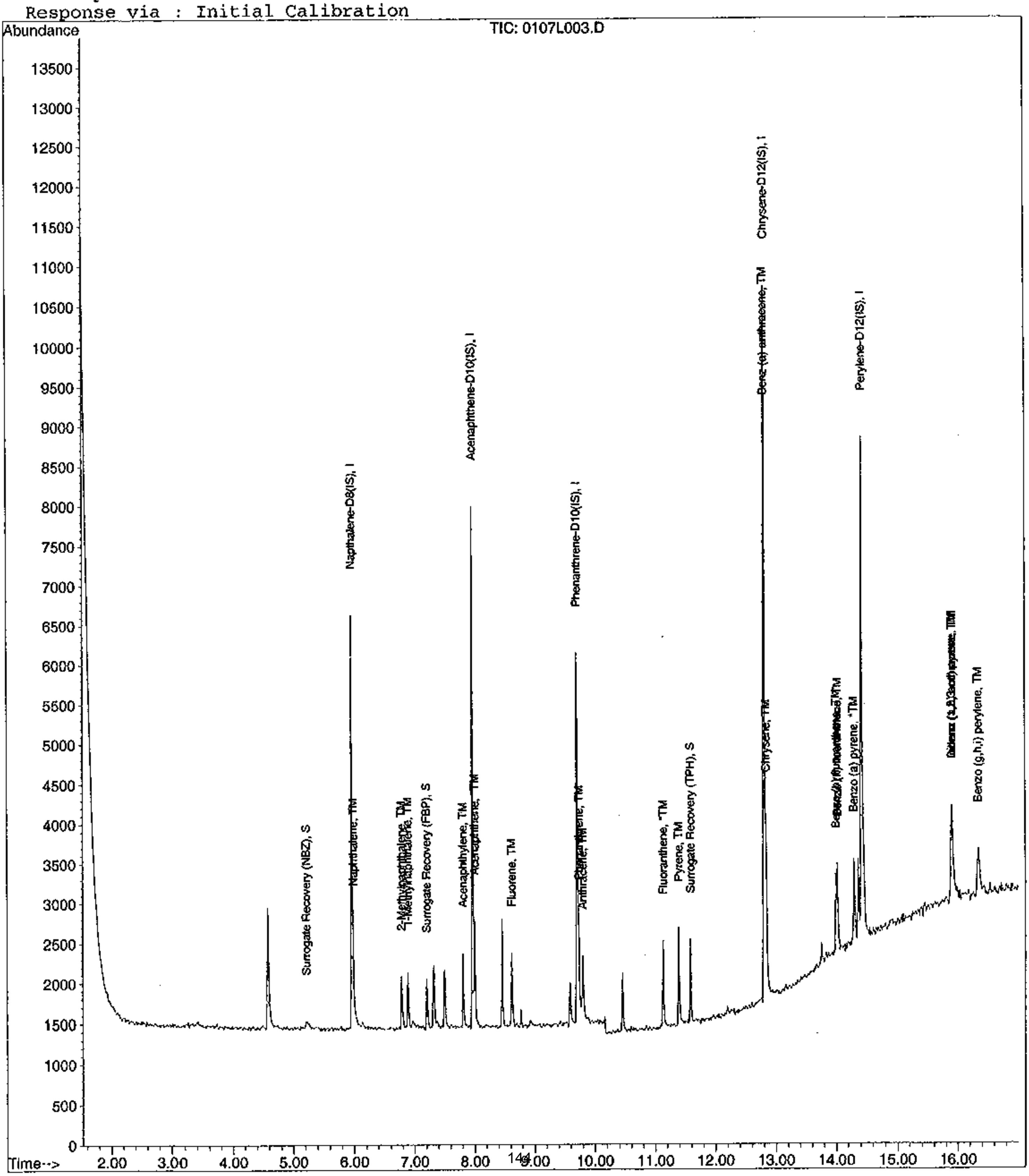
Data File : M:\LINUS\DATA\L110107\0107L003.D
Acq On : 7 Jan 11 15:05
Sample : 0.2ug/ml PAH
Misc :

Vial: 3
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Jan 7 17:23 2011

Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L004.D
Vial: 4
Acq On : 7 Jan 11 15:31
Operator: LF
Sample : 0.5ug/ml PAH
Inst : Linus
Misc :
Multiplr: 1.00

Quant Time: Jan 7 17:23 2011
Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5312	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2664	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4615	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	9253	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.42	264	7757	2.50000 ppb	0.01
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.21	82	481	0.46774 ppb	0.02
Spiked Amount 2.000			Recovery	= 23.400%	
7) Surrogate Recovery (FBP)	7.21	172	1225	0.52308 ppb	0.00
Spiked Amount 2.000			Recovery	= 26.150%	
17) Surrogate Recovery (TPH)	11.58	244	1692	0.47306 ppb	0.01
Spiked Amount 2.000			Recovery	= 23.650%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.99	128	1938	0.49506 ppb		97
4) 2-Methylnaphthalene	6.78	142	1172	0.47769 ppb		97
5) 1-Methylnaphthalene	6.89	142	1194	0.49515 ppb		90
8) Acenaphthylene	7.81	152	1984	0.54600 ppb		98
9) Acenaphthene	8.00	154	1105	0.52463 ppb		98
10) Fluorene	8.62	166	1351	0.52063 ppb		88
12) Phenanthrene	9.74	178	1938	0.51440 ppb		97
13) Anthracene	9.80	178	2051	0.52906 ppb		94
14) Fluoranthene	11.13	202	3066	0.50647 ppb		95
16) Pyrene	11.39	202	3167	0.49173 ppb	#	87
18) Benz (a) anthracene	12.80	228	2999	0.53107 ppb		99
19) Chrysene	12.83	228	3084	0.50048 ppb		97
20) Indeno (1,2,3-cd) pyrene	15.90	276	2860	0.50641 ppb	#	91
22) Benzo (b) fluoranthene	13.99	252	2505	0.43580 ppb		97
23) Benzo (k) fluoranthene	14.02	252	3074	0.60886 ppb		96
24) Benzo (a) pyrene	14.29	252	2489	0.50606 ppb		97
25) Dibenz (a,h) anthracene	15.89	278	2426	0.51953 ppb		97
26) Benzo (g,h,i) perylene	16.33	276	2544	0.53712 ppb		94

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

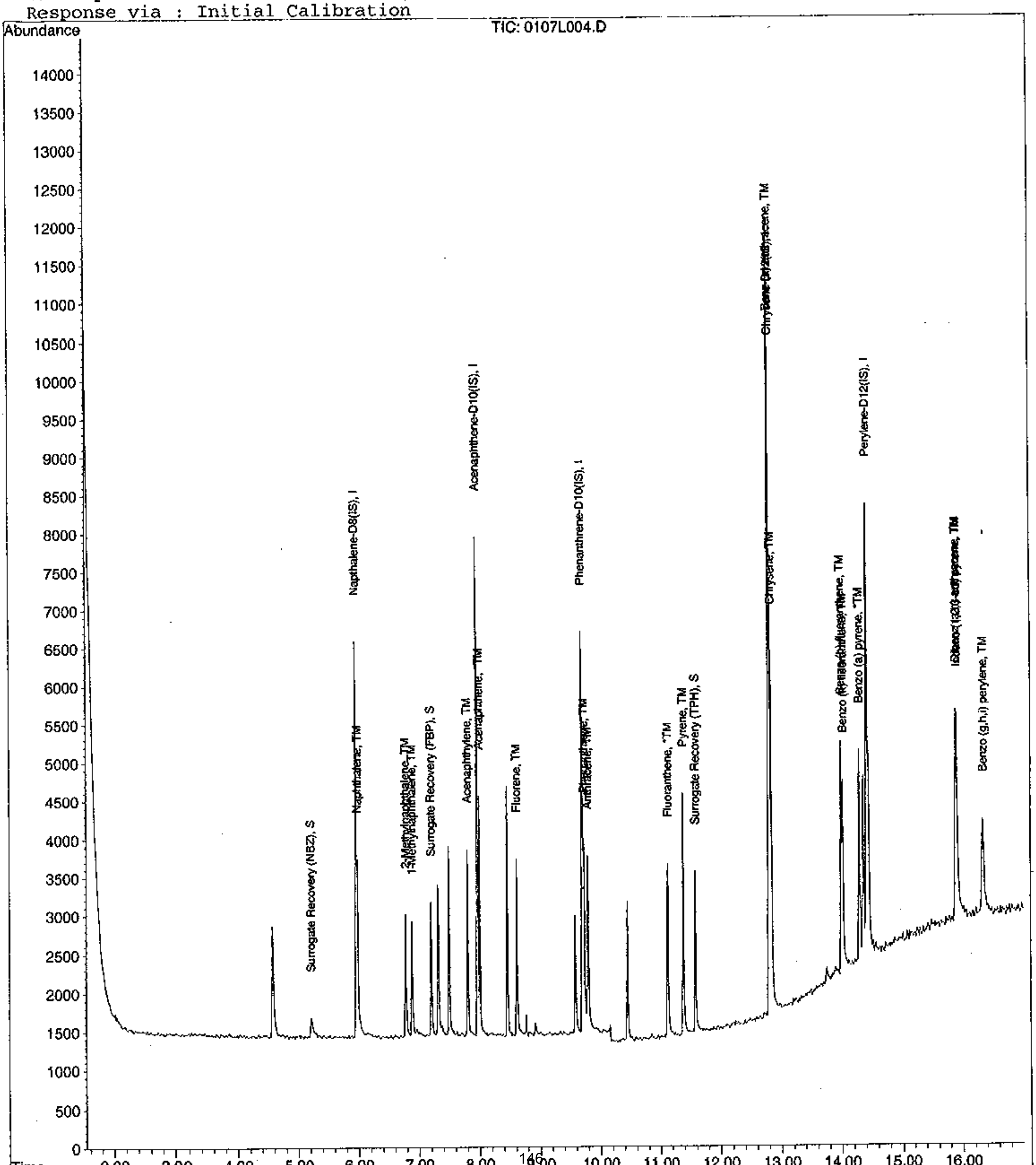
Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L004.D
Acq On : 7 Jan 11 15:31
Sample : 0.5ug/ml PAH
Misc :

Vial: 4
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L005.D
Acq On : 7 Jan 11 15:56
Sample : 1.0ug/ml PAH
Misc :

Vial: 5
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4780	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	7.97	164	2611	2.50000 ppb		0.00
11) Phenanthrene-D10(IS)	9.70	188	4410	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.81	240	8787	2.50000 ppb		0.01
21) Perylene-D12(IS)	14.42	264	7558	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.21	82	904	0.97691 ppb		0.02
Spiked Amount 2.000			Recovery	= 48.850%		
7) Surrogate Recovery (FBP)	7.21	172	2258	0.98375 ppb		0.00
Spiked Amount 2.000			Recovery	= 49.200%		
17) Surrogate Recovery (TPH)	11.58	244	3195	0.94065 ppb		0.01
Spiked Amount 2.000			Recovery	= 47.050%		
Target Compounds						Qvalue
3) Naphthalene	5.99	128	3546	1.00663 ppb		99
4) 2-Methylnaphthalene	6.78	142	2135	0.96705 ppb		99
5) 1-Methylnaphthalene	6.89	142	2166	0.99821 ppb		98
8) Acenaphthylene	7.81	152	3597	1.01000 ppb		98
9) Acenaphthene	8.00	154	1985	0.96157 ppb		99
10) Fluorene	8.62	166	2550	1.00263 ppb		91
12) Phenanthrene	9.74	178	3422	0.95051 ppb		95
13) Anthracene	9.80	178	3600	0.97179 ppb		97
14) Fluoranthene	11.13	202	5504	0.95146 ppb		95
16) Pyrene	11.39	202	5845	0.95566 ppb	#	84
18) Benz (a) anthracene	12.80	228	4948	0.92266 ppb		96
19) Chrysene	12.83	228	5803	0.99167 ppb	#	97
20) Indeno (1,2,3-cd) pyrene	15.89	276	5069	0.94514 ppb	#	90
22) Benzo (b) fluoranthene	13.99	252	4698	0.83884 ppb		97
23) Benzo (k) fluoranthene	14.01	252	5428	1.10343 ppb	#	95
24) Benzo (a) pyrene	14.29	252	4699	0.98054 ppb		97
25) Dibenz (a,h) anthracene	15.89	278	4391	0.96510 ppb		100
26) Benzo (g,h,i) perylene	16.32	276	4482	0.97121 ppb		98

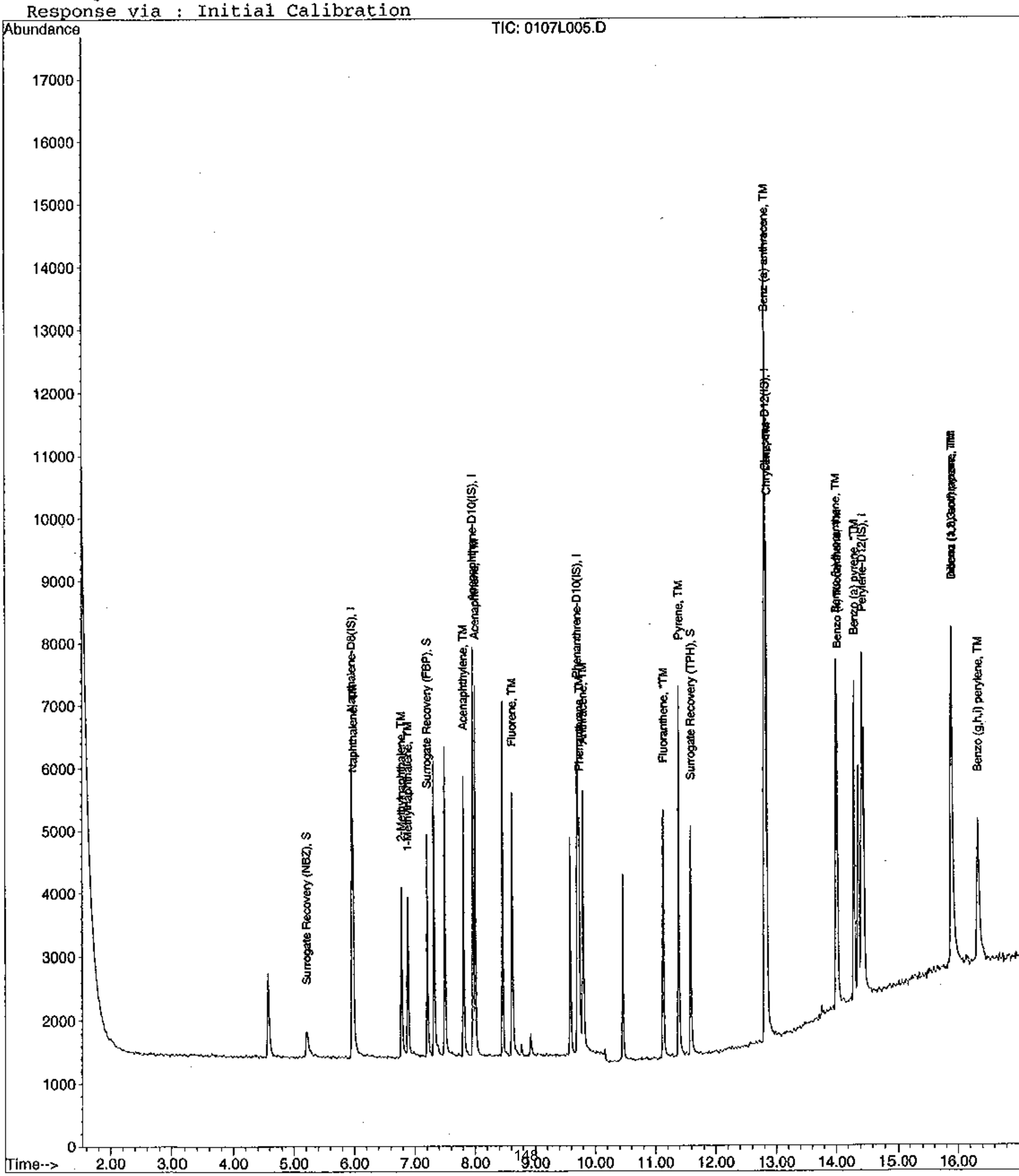
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0107L005.D          Vial: 5
Acq On    :  7 Jan 11  15:56                      Operator: LF
Sample    : 1.0ug/ml PAH                          Inst    : Linus
Misc      :                                       Multiplr: 1.00

Quant Time: Jan  7 17:23 2011            Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Wed Jan 19 10:30:03 2011
Response via  : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L006.D
Acq On : 7 Jan 11 16:21
Sample : 5.0ug/ml PAH
Misc :

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

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4846	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2598	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4253	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	8198	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7099	2.50000 ppb	0.00
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.19	82	4799	5.11544 ppb	0.00
Spiked Amount 2.000			Recovery	= 255.750%	
7) Surrogate Recovery (FBP)	7.21	172	11605	5.08127 ppb	0.00
Spiked Amount 2.000			Recovery	= 254.050%	
17) Surrogate Recovery (TPH)	11.57	244	16785	5.29676 ppb	0.00
Spiked Amount 2.000			Recovery	= 264.850%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
3) Naphthalene	5.99	128	17738	4.96685 ppb	100
4) 2-Methylnaphthalene	6.77	142	11560	5.16477 ppb	100
5) 1-Methylnaphthalene	6.88	142	11019	5.00897 ppb	100
8) Acenaphthylene	7.81	152	17541	4.94999 ppb	100
9) Acenaphthene	8.00	154	10665	5.19216 ppb	100
10) Fluorene	8.60	166	12620	4.98686 ppb	100
12) Phenanthrene	9.73	178	18219	5.24743 ppb	100
13) Anthracene	9.80	178	18367	5.14105 ppb	100
14) Fluoranthene	11.12	202	29273	5.24716 ppb	100
16) Pyrene	11.37	202	29796	5.22169 ppb	100
18) Benz (a) anthracene	12.79	228	26951	5.38668 ppb	100
19) Chrysene	12.83	228	27525	5.04166 ppb	100
20) Indeno (1,2,3-cd) pyrene	15.87	276	26391	5.27429 ppb	100
22) Benzo (b) fluoranthene	13.98	252	30541	5.80578 ppb	100
23) Benzo (k) fluoranthene	14.01	252	20635	4.46599 ppb	100
24) Benzo (a) pyrene	14.28	252	22944	5.09729 ppb	100
25) Dibenz (a,h) anthracene	15.88	278	22113	5.17449 ppb	100
26) Benzo (g,h,i) perylene	16.30	276	22297	5.14395 ppb	100

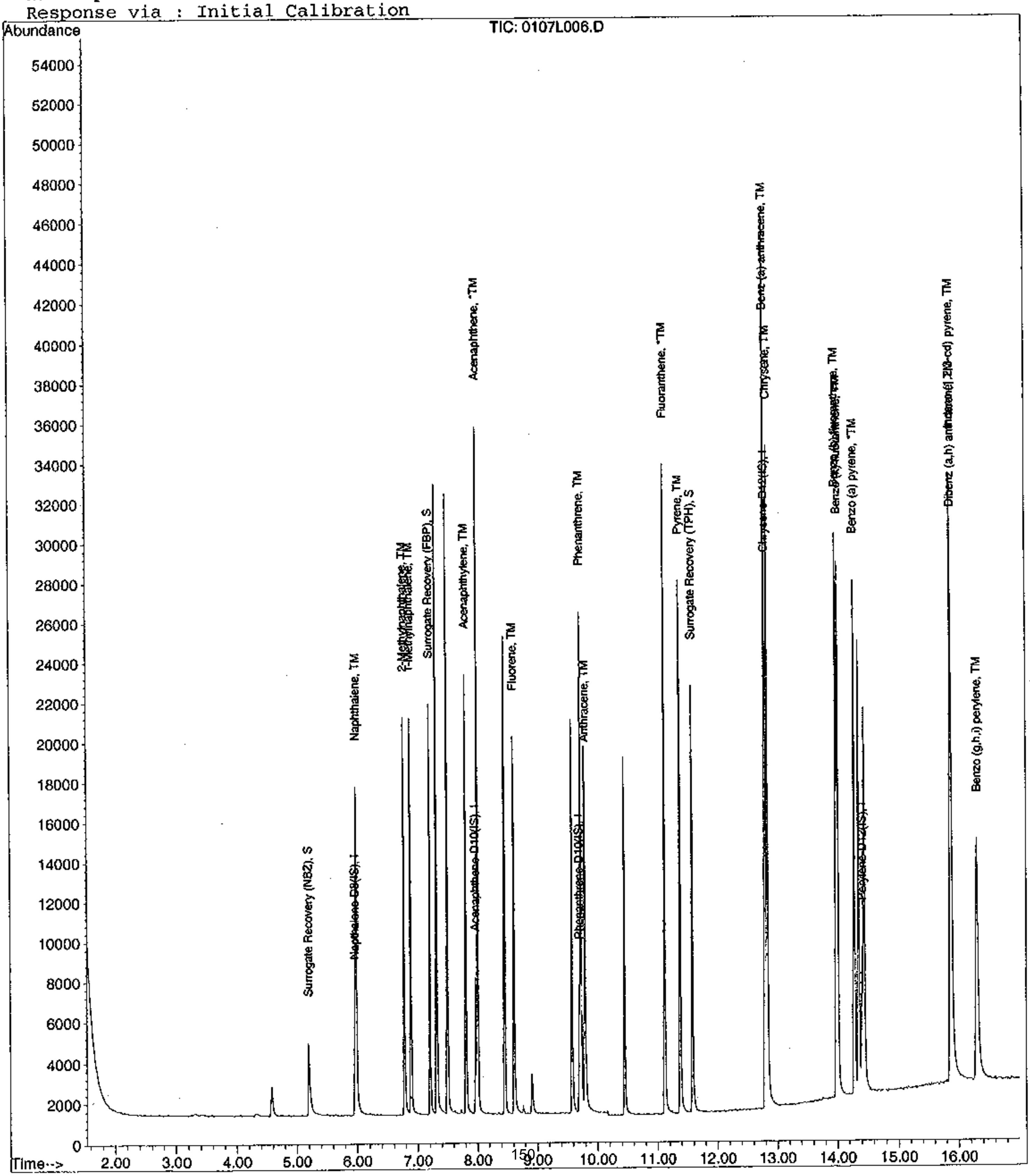
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0107L006.D          Vial: 6
Acq On    :  7 Jan 11  16:21                      Operator: LF
Sample    : 5.0ug/ml PAH                          Inst    : Linus
Misc      :                                       Multiplr: 1.00

Quant Time: Jan  7 17:23 2011          Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L007.D
Acq On : 7 Jan 11 16:46
Sample : 10ug/ml PAH
Misc :

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

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5549	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2895	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4853	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	8987	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7905	2.50000 ppb	0.00
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.19	82	11653	10.84772 ppb	0.00
Spiked Amount 2.000			Recovery	= 542.400%	
7) Surrogate Recovery (FBP)	7.21	172	27031	10.62135 ppb	0.00
Spiked Amount 2.000			Recovery	= 531.050%	
17) Surrogate Recovery (TPH)	11.57	244	39506	11.37222 ppb	0.00
Spiked Amount 2.000			Recovery	= 568.600%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.99	128	38695	9.46236 ppb		99
4) 2-Methylnaphthalene	6.77	142	26743	10.43451 ppb		98
5) 1-Methylnaphthalene	6.88	142	24616	9.77220 ppb		99
8) Acenaphthylene	7.81	152	40617	10.28604 ppb		99
9) Acenaphthene	8.00	154	23573	10.29894 ppb		98
10) Fluorene	8.60	166	28535	10.11896 ppb		98
12) Phenanthrene	9.73	178	42681	10.77312 ppb		99
13) Anthracene	9.79	178	40813	10.01145 ppb		97
14) Fluoranthene	11.12	202	65976	10.36402 ppb		96
16) Pyrene	11.37	202	66237	10.58880 ppb		92
18) Benz (a) anthracene	12.79	228	62503	11.39569 ppb		99
19) Chrysene	12.83	228	63132	10.54846 ppb		97
20) Indeno (1,2,3-cd) pyrene	15.85	276	60293	10.99178 ppb	#	97
22) Benzo (b) fluoranthene	13.98	252	56407	9.62955 ppb		97
23) Benzo (k) fluoranthene	14.00	252	61684	11.98894 ppb	#	95
24) Benzo (a) pyrene	14.28	252	52435	10.46133 ppb		98
25) Dibenz (a,h) anthracene	15.87	278	50448	10.60130 ppb		99
26) Benzo (g,h,i) perylene	16.29	276	50810	10.52677 ppb		99

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

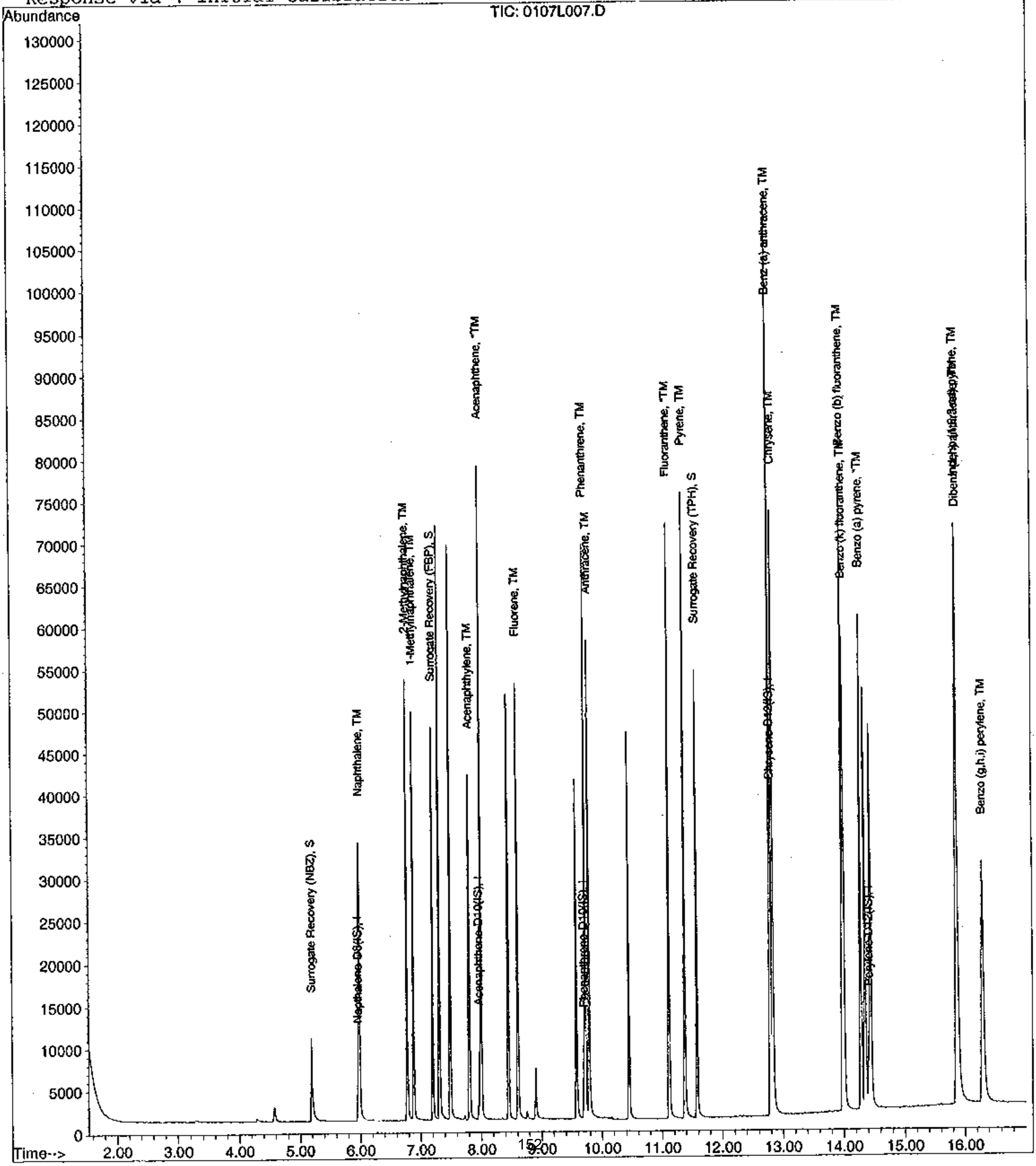
Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L007.D
Acq On : 7 Jan 11 16:46
Sample : 10ug/ml PAH
Misc :

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

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L008.D
Acq On : 7 Jan 11 17:11
Sample : 50ug/ml PAH
Misc :

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

Quant Time: Jan 8 10:42 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5296	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2811	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4788	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	9146	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7556	2.50000 ppb	0.00
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	51024	49.83196 ppb	-0.01
Spiked Amount 2.000			Recovery	= 2491.600%	
7) Surrogate Recovery (FBP)	7.21	172	111007	42.78741 ppb	0.00
Spiked Amount 2.000			Recovery	= 2139.350%	
17) Surrogate Recovery (TPH)	11.58	244	159929	42.31013 ppb	0.01
Spiked Amount 2.000			Recovery	= 2115.500%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.97	128	167108	43.60542 ppb		97
4) 2-Methylnaphthalene	6.77	142	114896	45.92323 ppb		99
5) 1-Methylnaphthalene	6.88	142	105230	44.27763 ppb		99
8) Acenaphthylene	7.81	152	174904	43.32876 ppb		99
9) Acenaphthene	8.00	154	101021	43.48461 ppb		98
10) Fluorene	8.60	166	125485	44.68934 ppb		98
12) Phenanthrene	9.73	178	177203	42.58713 ppb		100
13) Anthracene	9.79	178	176428	42.26943 ppb		97
14) Fluoranthene	11.12	202	289237	43.96976 ppb		97
16) Pyrene	11.37	202	287644	43.14520 ppb		94
18) Benz (a) anthracene	12.79	228	278787	45.17977 ppb		98
19) Chrysene	12.83	228	250651	38.96050 ppb	#	97
20) Indeno (1,2,3-cd) pyrene	15.85	276	271646	45.58651 ppb	#	95
22) Benzo (b) fluoranthene	13.98	252	246976	43.13698 ppb		98
23) Benzo (k) fluoranthene	14.01	252	243064	43.68261 ppb	#	97
24) Benzo (a) pyrene	14.28	252	233951	46.89076 ppb		98
25) Dibenz (a,h) anthracene	15.87	278	228158	48.13639 ppb		100
26) Benzo (g,h,i) perylene	16.27	276	224271	44.09594 ppb		98

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0107L008.D          Vial: 8
Acq On    :  7 Jan 11  17:11                       Operator: LF
Sample    : 50ug/ml PAH                            Inst    : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Jan  8 10:42 2011          Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Wed Jan 19 10:30:03 2011
Response via  : Initial Calibration
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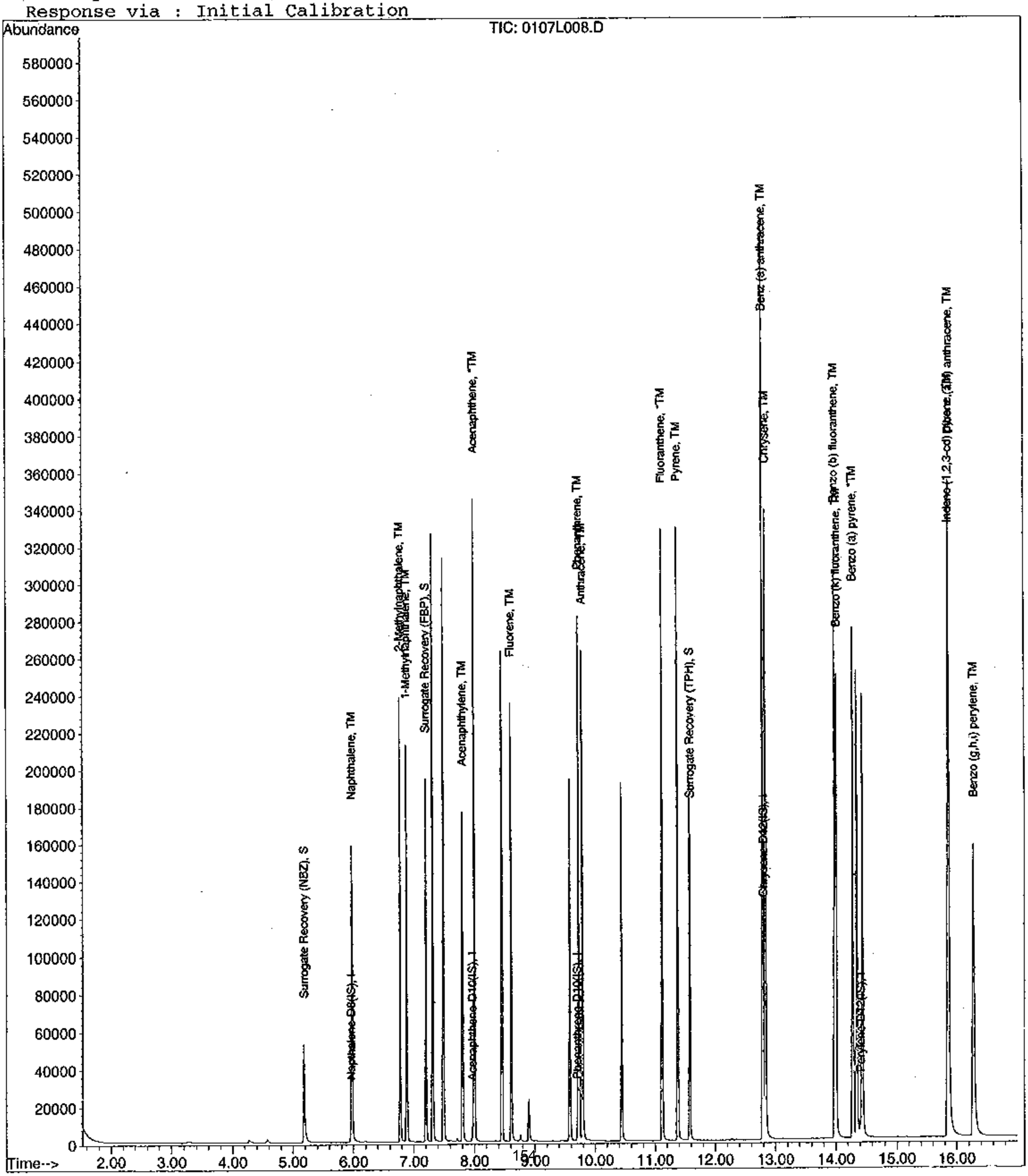


Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L009.D Vial: 9
Acq On : 7 Jan 11 17:37 Operator: LF
Sample : 100ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 8 10:42 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5607	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2873	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4941	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	9573	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7817	2.50000 ppb	0.00
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	102034	94.16821 ppb	-0.01
Spiked Amount 2.000			Recovery	= 4708.400%	
7) Surrogate Recovery (FBP)	7.21	172	225733	86.92188 ppb	0.00
Spiked Amount 2.000			Recovery	= 4346.100%	
17) Surrogate Recovery (TPH)	11.58	244	339387	87.70891 ppb	0.01
Spiked Amount 2.000			Recovery	= 4385.450%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.97	128	323317	81.17031 ppb		98
4) 2-Methylnaphthalene	6.77	142	217951	83.25152 ppb		99
5) 1-Methylnaphthalene	6.88	142	195913	79.15616 ppb		99
8) Acenaphthylene	7.81	152	356131	87.99730 ppb		98
9) Acenaphthene	8.00	154	189355	81.26185 ppb		99
10) Fluorene	8.62	166	266118	94.15683 ppb		89
12) Phenanthrene	9.73	178	351678	83.67367 ppb		99
13) Anthracene	9.80	178	367997	87.36599 ppb		98
14) Fluoranthene	11.12	202	555752	83.30449 ppb	#	94
16) Pyrene	11.39	202	586051	85.66153 ppb	#	73
18) Benz (a) anthracene	12.79	228	541063	84.94253 ppb		96
19) Chrysene	12.83	228	531416	81.48766 ppb		96
20) Indeno (1,2,3-cd) pyrene	15.87	276	558349	90.66364 ppb	#	95
22) Benzo (b) fluoranthene	13.98	252	601089	103.51091 ppb		97
23) Benzo (k) fluoranthene	14.01	252	416941	73.76068 ppb	#	97
24) Benzo (a) pyrene	14.28	252	467361	91.35704 ppb	#	95
25) Dibenz (a,h) anthracene	15.88	278	469164	96.19066 ppb	#	95
26) Benzo (g,h,i) perylene	16.29	276	466427	90.16739 ppb		96

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

Quantitation Report

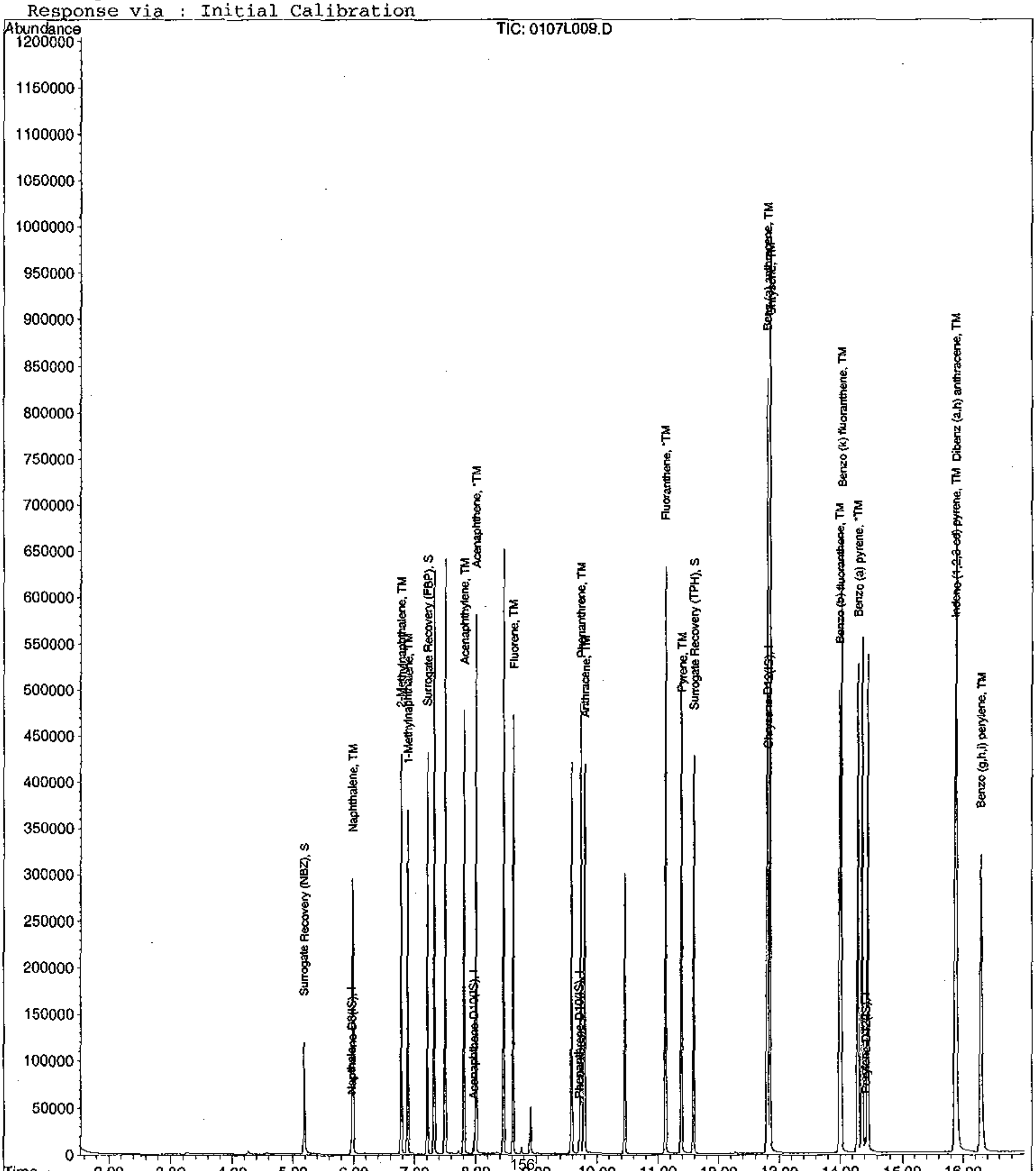
Data File : M:\LINUS\DATA\L110107\0107L009.D
Acq On : 7 Jan 11 17:37
Sample : 100ug/ml PAH
Misc :

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

Quant Time: Jan 8 10:42 2011

Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



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Form 7

Second Source Calibration

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

SDG No: 63694
Date Analyzed: 7 Jan 11 18:02
Instrument: Linus
Initial Cal. Date: 01/07/11
Data File: 0107L010.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.734	1.700	2.0	TM	
3	TM	2-Methylnaphthalene	1.143	1.160	1.5	TM	
4	TM	1-Methylnaphthalene	1.075	1.048	2.6	TM	
5	I	Acenaphthene-D10(IS)	ISTD			I	
6	TM	Acenaphthylene	3.469	3.175	8.5	TM	
7	*TM	Acenaphthene	1.980	1.939	2.1	*TM	
8	TM	Fluorene	2.441	2.325	4.8	TM	
9	I	Phenanthrene-D10(IS)	ISTD			I	
10	TM	Phenanthrene	2.083	2.047	1.7	TM	
11	TM	Anthracene	2.098	2.174	3.7	TM	
12	*TM	Fluoranthene	3.305	3.255	1.5	*TM	
13	I	Chrysene-D12(IS)	ISTD			I	
14	TM	Pyrene	1.755	1.691	3.6	TM	
15	TM	Benz (a) anthracene	1.632	1.687	3.4	TM	
16	TM	Chrysene	1.664	1.716	3.2	TM	
17	TM	Indeno (1,2,3-cd) pyrene	1.590	1.626	2.3	TM	
18	I	Perylene-D12(IS)	ISTD			I	
19	TM	Benzo (b) fluoranthene	1.865	1.821	2.4	TM	
20	TM	Benzo (k) fluoranthene	1.748	1.971	13	TM	
21	*TM	Benzo (a) pyrene	1.618	1.756	8.5	*TM	
22	TM	Dibenz (a,h) anthracene	1.552	1.654	6.6	TM	
23	TM	Benzo (g,h,i) perylene	1.634	1.642	0.50	TM	
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.0		

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L010.D Vial: 10
Acq On : 7 Jan 11 18:02 Operator: LF
Sample : 5.0ug/ml PAH SS 01-07-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 8 12:03 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5468	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2915	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4774	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	9266	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7672	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	5.99	128	18595	4.90243 ppb	99
4) 2-Methylnaphthalene	6.77	142	12683	5.07395 ppb	100
5) 1-Methylnaphthalene	6.88	142	11459	4.87456 ppb	98
8) Acenaphthylene	7.81	152	18511	4.57669 ppb	100
9) Acenaphthene	8.00	154	11305	4.89633 ppb	99
10) Fluorene	8.60	166	13553	4.76095 ppb	98
12) Phenanthrene	9.73	178	19549	4.91423 ppb	98
13) Anthracene	9.79	178	20760	5.18288 ppb	97
14) Fluoranthene	11.12	202	31083	4.92495 ppb	99
16) Pyrene	11.37	202	31339	4.81888 ppb	94
18) Benz (a) anthracene	12.79	228	31261	5.16759 ppb	99
19) Chrysene	12.83	228	31804	5.15778 ppb	98
20) Indeno (1,2,3-cd) pyrene	15.87	276	30142	5.11627 ppb	95
22) Benzo (b) fluoranthene	13.98	252	27948	4.88234 ppb	98
23) Benzo (k) fluoranthene	14.01	252	30247	5.63699 ppb	99
24) Benzo (a) pyrene	14.28	252	26947	5.42562 ppb	98
25) Dibenz (a,h) anthracene	15.87	278	25384	5.32810 ppb	97
26) Benzo (g,h,i) perylene	16.30	276	25197	5.02478 ppb	97

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0107L010.D          Vial: 10
Acq On    :  7 Jan 11  18:02                       Operator: LF
Sample    : 5.0ug/ml PAH SS 01-07-11               Inst     : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Jan  8 12:03 2011            Quant Results File: SIM2.RES

Method         : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title          : EPA 8270C
Last Update    : Wed Jan 19 10:30:03 2011
Response via   : Initial Calibration
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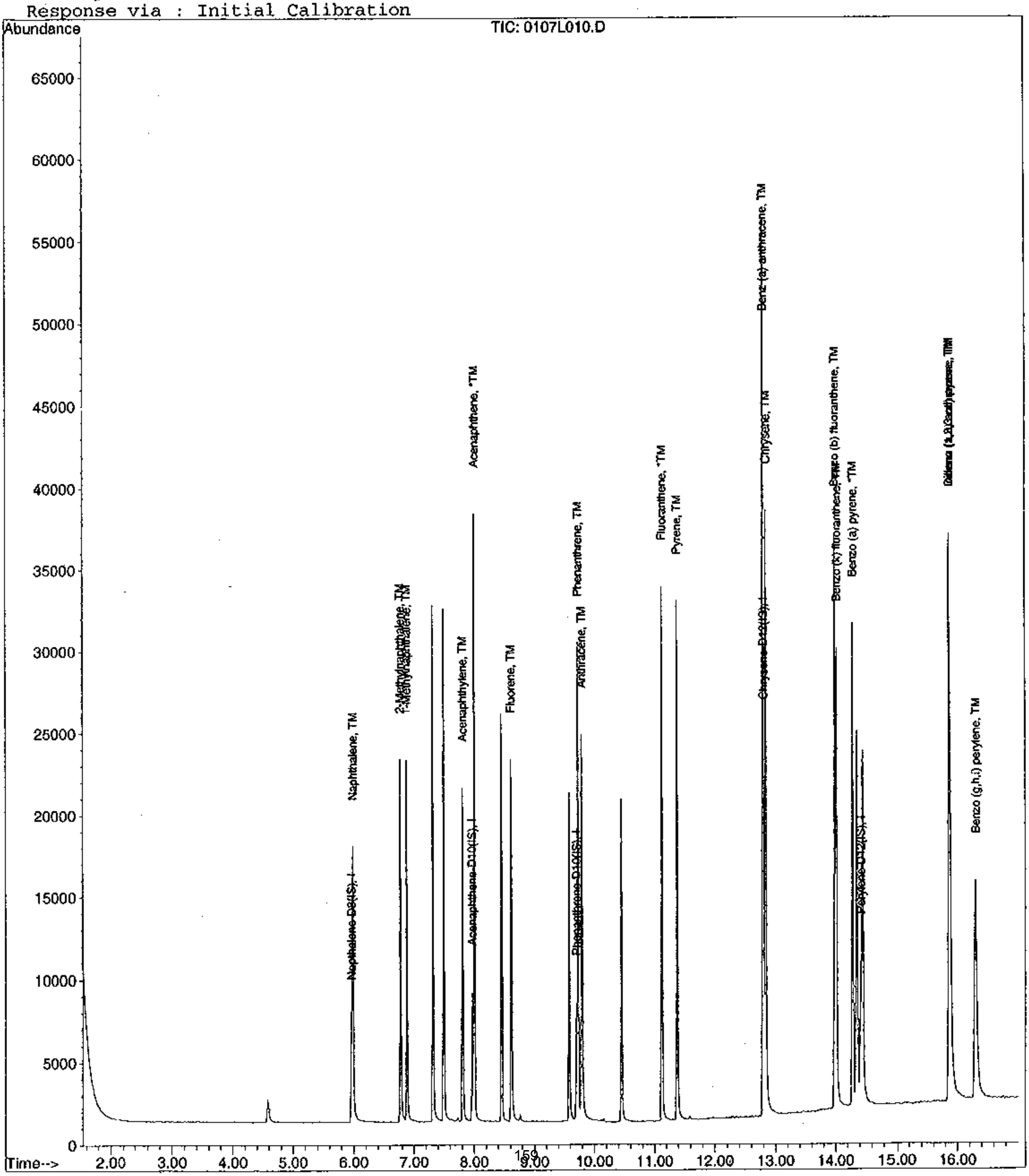

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Form 7

Continuing Calibration

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

SDG No: 63694
Date Analyzed: 2 Feb 11 18:41
Instrument: Linus
Initial Cal. Date: 01/07/11
Data File: 0202L002.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	S	Surrogate Recovery (NBZ)	0.4796	0.4526	5.6	S	
3	TM	Naphthalene	1.734	1.726	0.45	TM	
4	TM	2-Methylnaphthalene	1.143	1.085	5.0	TM	
5	TM	1-Methylnaphthalene	1.076	1.117	3.9	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	S	Surrogate Recovery (FBP)	2.223	2.476	11	S	
8	TM	Acenaphthylene	3.469	3.619	4.3	TM	
9	*TM	Acenaphthene	1.980	2.059	4.0	*TM	
10	TM	Fluorene	2.441	2.621	7.4	TM	
11	I	Phenanthrene-D10(IS)	ISTD			I	
12	TM	Phenanthrene	2.083	2.060	1.1	TM	
13	TM	Anthracene	2.098	2.131	1.6	TM	
14	*TM	Fluoranthene	3.305	3.308	0.09	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.765	1.714	2.3	TM	
17	S	Surrogate Recovery (TPH)	0.9950	1.012	1.7	S	
18	TM	Benz (a) anthracene	1.632	1.479	9.4	TM	
19	TM	Chrysene	1.664	1.687	1.4	TM	
20	TM	Indeno (1,2,3-cd) pyrene	1.590	1.608	1.2	TM	
21	I	Perylene-D12(IS)	ISTD			I	
22	TM	Benzo (b) fluoranthene	1.865	1.650	12	TM	
23	TM	Benzo (k) fluoranthene	1.748	1.847	5.6	TM	
24	*TM	Benzo (a) pyrene	1.618	1.597	1.4	*TM	
25	TM	Dibenz (a,h) anthracene	1.552	1.623	1.9	TM	
26	TM	Benzo (g,h,i) perylene	1.634	1.518	7.1	TM	
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.2		

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0202L002.D Vial: 2
Acq On : 2 Feb 11 18:41 Operator: LF
Sample : 5.0ug/ml PAH 01-07-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 8:16 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.95	136	4908	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	7.97	164	2378	2.50000 ppb		0.00
11) Phenanthrene-D10(IS)	9.70	188	4112	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.80	240	8212	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.42	264	7171	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.21	82	4443	4.71888 ppb		-0.01
Spiked Amount 2.000			Recovery	= 235.950%		
7) Surrogate Recovery (FBP)	7.19	172	11769	5.56616 ppb		-0.01
Spiked Amount 2.000			Recovery	= 278.300%		
17) Surrogate Recovery (TPH)	11.57	244	16626	5.08698 ppb		0.00
Spiked Amount 2.000			Recovery	= 254.350%		
Target Compounds						Qvalue
3) Naphthalene	5.97	128	16947	4.97773 ppb		99
4) 2-Methylnaphthalene	6.77	142	10652	4.74766 ppb		81
5) 1-Methylnaphthalene	6.88	142	10960	5.19426 ppb		95
8) Acenaphthylene	7.80	152	17213	5.21681 ppb		97
9) Acenaphthene	8.00	154	9792	5.19874 ppb		93
10) Fluorene	8.60	166	12465	5.36757 ppb		97
12) Phenanthrene	9.73	178	16945	4.94540 ppb		98
13) Anthracene	9.80	178	17525	5.07962 ppb		100
14) Fluoranthene	11.12	202	27205	5.00446 ppb		96
16) Pyrene	11.39	202	28150	4.88408 ppb	#	80
18) Benz (a) anthracene	12.80	228	24292	4.53098 ppb		97
19) Chrysene	12.83	228	27710	5.07062 ppb		96
20) Indeno (1,2,3-cd) pyrene	15.90	276	26408	5.05778 ppb	#	64
22) Benzo (b) fluoranthene	13.99	252	23669	4.42370 ppb	#	83
23) Benzo (k) fluoranthene	14.01	252	26491	5.28193 ppb	#	61
24) Benzo (a) pyrene	14.29	252	22898	4.93248 ppb		96
25) Dibenz (a,h) anthracene	15.90	278	21845	4.90562 ppb		99
26) Benzo (g,h,i) perylene	16.34	276	21768	4.64425 ppb	#	68

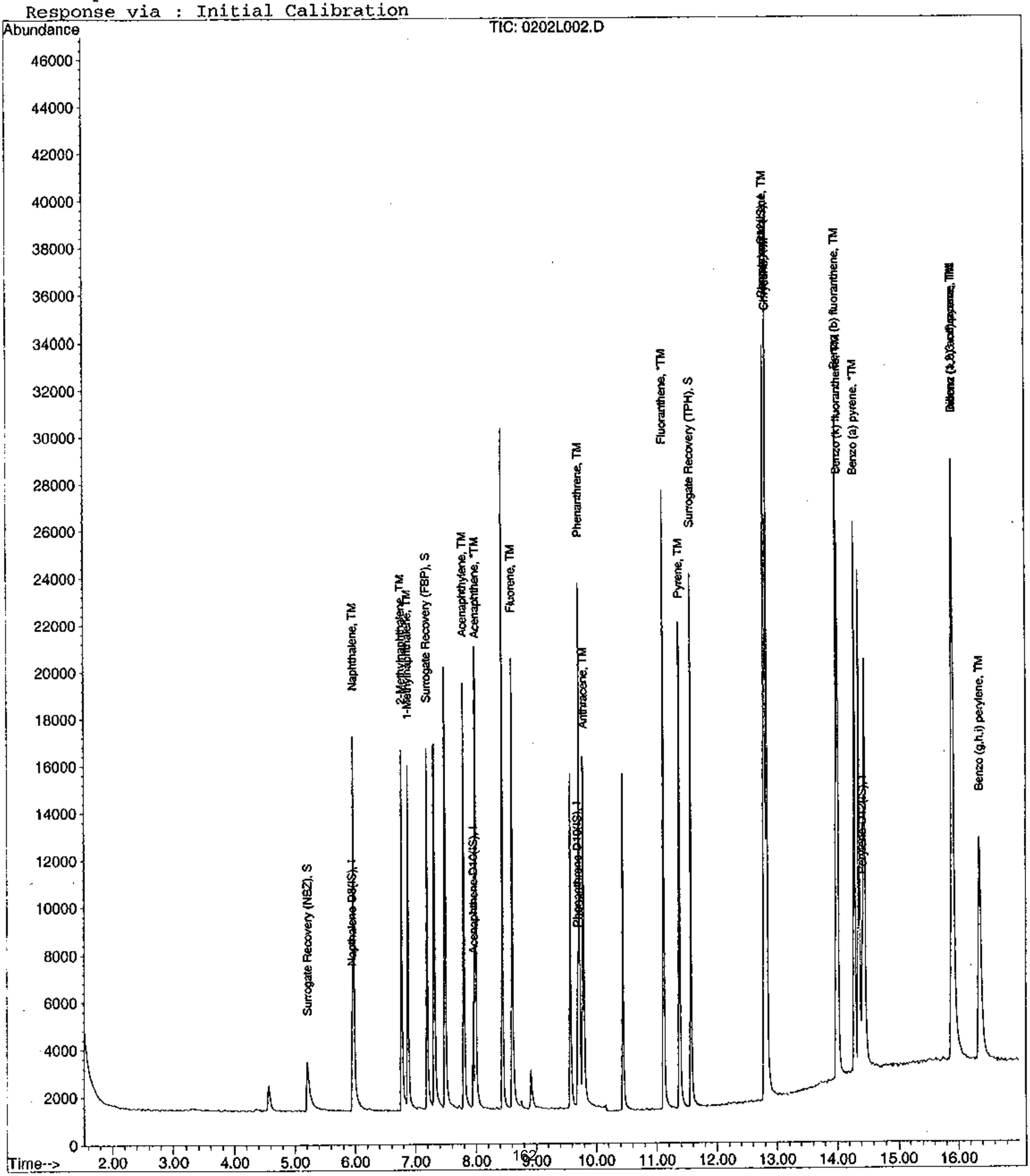
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0202L002.D Vial: 2
Acq On : 2 Feb 11 18:41 Operator: LF
Sample : 5.0ug/ml PAH 01-07-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 3 8:16 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:47:31 2011
Response via : Initial Calibration



EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Raw Data

APPL, INC.

Method Blank
EPA 8270D SIM

Blank Name/QCG: **110125W-30411 - 151694**
Batch ID: #SIMHC-110125A

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	01/25/11	02/03/11
BLANK	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
BLANK	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
BLANK	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/25/11	02/03/11
BLANK	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/25/11	02/03/11
BLANK	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/25/11	02/03/11
BLANK	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/25/11	02/03/11
BLANK	SURROGATE: 2-FLUORBIPHENY	71.3	50-110			%	01/25/11	02/03/11
BLANK	SURROGATE: NITROBENZENE-	79.9	40-110			%	01/25/11	02/03/11
BLANK	SURROGATE: TERPHENYL-D14 (	74.1	50-135			%	01/25/11	02/03/11

Quant Method: SIM2.M
Run #: 0202L016
Instrument: Linus
Sequence: L110107
Initials: LF

GC SC-Blank-REG MDLs
Printed: 02/03/11 9:42:58 AM

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0202L016.D
Acq On : 3 Feb 11 00:29
Sample : 110125A BLK 1/1000
Misc :

Vial: 16
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Feb 3 9:10 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 08:21:07 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	3854	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2091	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	3591	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.82	240	7088	2.50000 ppb	0.02
21) Perylene-D12(IS)	14.44	264	5985	2.50000 ppb	0.04
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	59042	79.85770 ppb	-0.05
Spiked Amount 100.000			Recovery =	79.858%	
7) Surrogate Recovery (FBP)	7.19	172	132554	71.29627 ppb	-0.01
Spiked Amount 100.000			Recovery =	71.296%	
17) Surrogate Recovery (TPH)	11.56	244	209083	74.11666 ppb	-0.01
Spiked Amount 100.000			Recovery =	74.117%	

Target Compounds Qvalue

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0202L016.D          Vial: 16
Acq On    :  3 Feb 11  00:29                      Operator: LF
Sample    : 110125A BLK 1/1000                    Inst    : Linus
Misc      :                                       Multiplr: 1.00

Quant Time: Feb  3  9:10 2011           Quant Results File: SIM2.RES

Method         : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title          : EPA 8270C
Last Update    : Thu Feb 03 09:11:07 2011
Response via   : Initial Calibration
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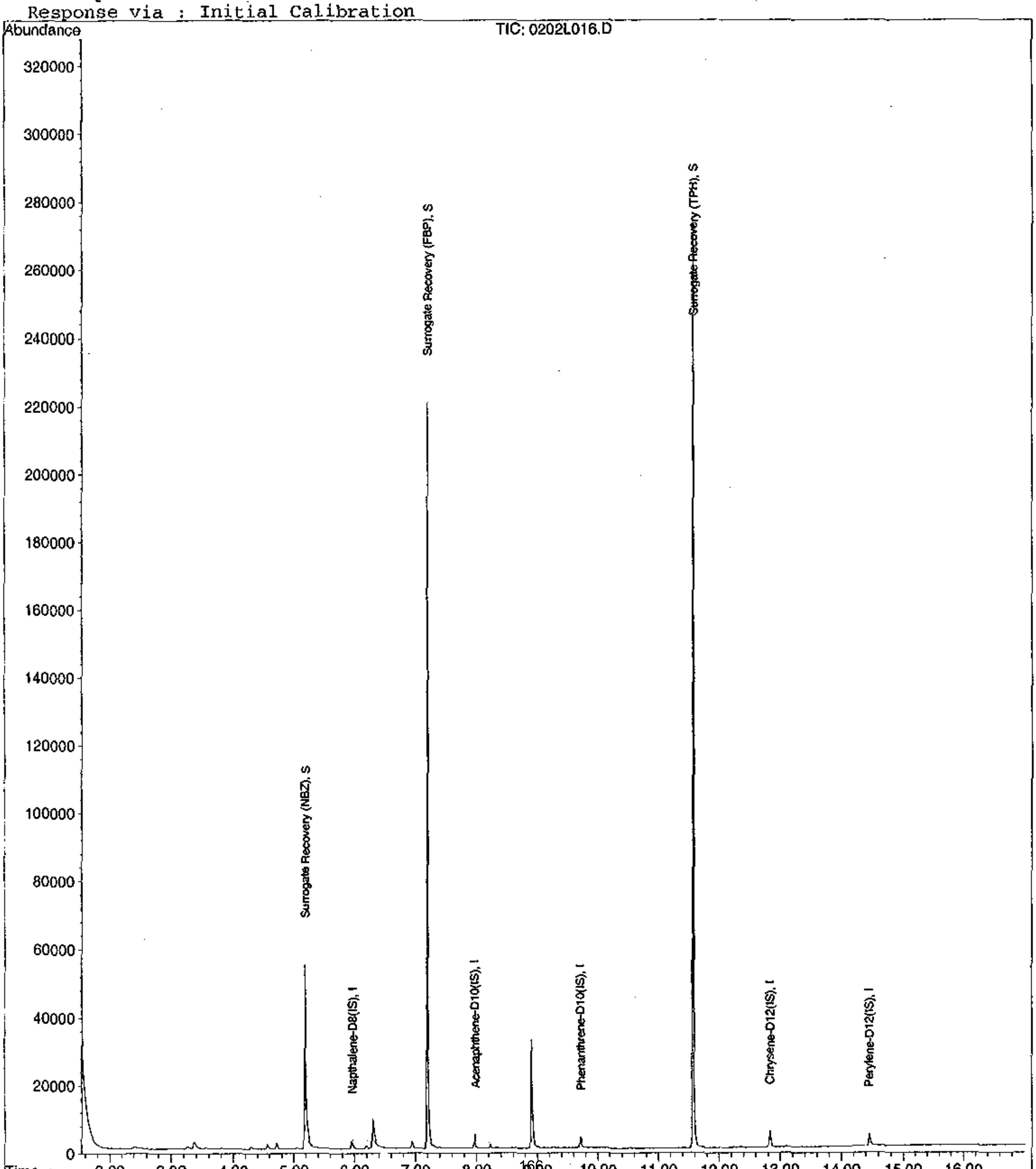

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Laboratory Control Spike Recovery
EPA 8270D SIM

APPL ID: **110125W-30411 LCS - 151694**
Batch ID: #SIMHC-110125A

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	50.0	31.5	63.0	45-105
2-METHYLNAPHTHALENE	50.0	32.4	64.8	45-105
ACENAPHTHENE	50.0	33.3	66.6	45-110
ACENAPHTHYLENE	50.0	32.0	64.0	50-105
ANTHRACENE	50.0	33.0	66.0	55-110
BENZO(A)ANTHRACENE	50.0	35.5	71.0	55-110
BENZO(A)PYRENE	50.0	37.9	75.8	55-110
BENZO(B)FLUORANTHENE	50.0	33.9	67.8	45-120
BENZO(GHI)PERYLENE	50.0	34.0	68.0	40-125
BENZO(K)FLUORANTHENE	50.0	37.9	75.8	45-125
CHRYSENE	50.0	34.6	69.2	55-110
DIBENZ(A,H)ANTHRACENE	50.0	36.3	72.6	40-125
FLUORANTHENE	50.0	34.7	69.4	55-115
FLUORENE	50.0	33.9	67.8	50-110
INDENO(1,2,3-CD)PYRENE	50.0	35.1	70.2	45-125
NAPHTHALENE	50.0	29.8	59.6	40-100
PHENANTHRENE	50.0	33.7	67.4	50-115
PYRENE	50.0	35.2	70.4	50-130
SURROGATE: 2-FLUORBIPHENYL (S)	100	74.2	74.2	50-110
SURROGATE: NITROBENZENE-D5 (S)	100	83.9	83.9	40-110
SURROGATE: TERPHENYL-D14 (S)	100	76.3	76.3	50-135

Comments: ______________________________

Primary	SPK
Quant Method :	SIM2.M
Extraction Date :	01/25/11
Analysis Date :	02/03/11
Instrument :	Linus
Run :	0202L017
Initials :	LF

Printed: 02/03/11 9:42:59 AM

APPL Standard LCS

Quantitation Report (QT Reviewed)

```
Data File : M:\LINUS\DATA\L110107\0202L017.D          Vial: 17
Acq On    :  3 Feb 11  00:53                       Operator: LF
Sample    : 110125A LCS-1 1/1000                   Inst    : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Feb  3  9:14 2011             Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Thu Feb 03 09:11:07 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.95	136	3756	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	7.95	164	2011	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.69	188	3422	2.50000 ppb	-0.01
15) Chrysene-D12(IS)	12.80	240	6659	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.42	264	5552	2.50000 ppb	0.01
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	60426	83.86210 ppb	-0.05
Spiked Amount 100.000			Recovery	= 83.862%	
7) Surrogate Recovery (FBP)	7.19	172	132586	74.15042 ppb	-0.01
Spiked Amount 100.000			Recovery	= 74.150%	
17) Surrogate Recovery (TPH)	11.56	244	202256	76.31558 ppb	-0.01
Spiked Amount 100.000			Recovery	= 76.316%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.96	128	77719	29.82944 ppb		97
4) 2-Methylnaphthalene	6.76	142	55555	32.35565 ppb		82
5) 1-Methylnaphthalene	6.87	142	50937	31.54462 ppb		100
8) Acenaphthylene	7.80	152	89250	31.98575 ppb		100
9) Acenaphthene	7.99	154	53118	33.34791 ppb		98
10) Fluorene	8.59	166	66613	33.91906 ppb		99
12) Phenanthrene	9.71	178	96007	33.66946 ppb		99
13) Anthracene	9.79	178	94790	33.01481 ppb		99
14) Fluoranthene	11.11	202	157101	34.72646 ppb	#	93
16) Pyrene	11.37	202	164438	35.18407 ppb	#	80
18) Benz (a) anthracene	12.79	228	154131	35.45345 ppb		96
19) Chrysene	12.82	228	153274	34.58857 ppb		97
20) Indeno (1,2,3-cd) pyrene	15.87	276	148733	35.12950 ppb	#	69
22) Benzo (b) fluoranthene	13.98	252	140495	33.91541 ppb		100
23) Benzo (k) fluoranthene	14.00	252	147198	37.90759 ppb	#	61
24) Benzo (a) pyrene	14.35	252	136129	37.87463 ppb	#	41
25) Dibenz (a,h) anthracene	15.87	278	125258	36.33099 ppb		96
26) Benzo (g,h,i) perylene	16.31	276	123453	34.01958 ppb	#	65

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

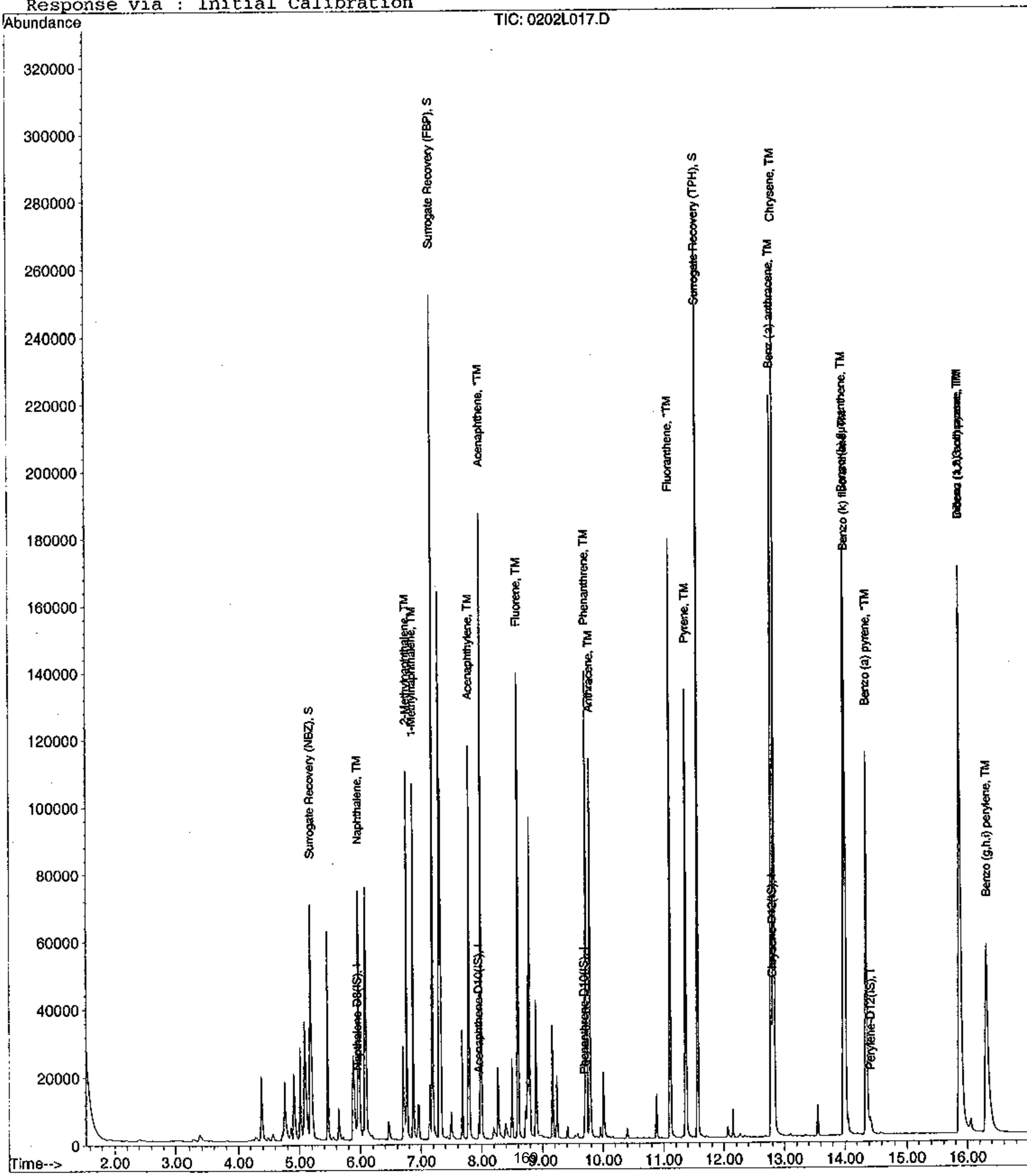
Quantitation Report

Data File : M:\LINUS\DATA\L110107\0202L017.D
Acq On : 3 Feb 11 00:53
Sample : 110125A LCS-1 1/1000
Misc :

Vial: 17
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Feb 3 9:14 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:11:07 2011
Response via : Initial Calibration



Matrix Spike Recoveries

EPA 8270D SIM

APPL ID: **110125W-30411 MS - 151694**
Batch ID: #SIMHC-110125A
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	52.1	23	61.0	60.5	72.9	72.0	45-105	0.82	25
2-METHYLNAPHTHALENE	52.1	5.6	40.9	39.6	67.8	65.3	45-105	3.2	25
ACENAPHTHENE	52.1	0.25	34.7	30.9	66.1	58.8	45-110	11.6	25
ACENAPHTHYLENE	52.1	0.14	33.6	30.1	64.2	57.5	50-105	11.0	25
ANTHRACENE	52.1	ND	36.5	31.7	70.1	60.8	55-110	14.1	25
BENZO(A)ANTHRACENE	52.1	ND	36.7	34.2	70.4	65.6	55-110	7.1	25
BENZO(A)PYRENE	52.1	ND	40.6	37.6	77.9	72.2	55-110	7.7	25
BENZO(B)FLUORANTHENE	52.1	ND	36.6	33.4	70.2	64.1	45-120	9.1	25
BENZO(GHI)PERYLENE	52.1	ND	36.5	33.9	70.1	65.1	40-125	7.4	25
BENZO(K)FLUORANTHENE	52.1	ND	39.4	37.6	75.6	72.2	45-125	4.7	25
CHRYSENE	52.1	ND	37.1	34.2	71.2	65.6	55-110	8.1	25
DIBENZ(A,H)ANTHRACENE	52.1	ND	38.9	36.1	74.7	69.3	40-125	7.5	25
FLUORANTHENE	52.1	ND	37.0	32.7	71.0	62.8	55-115	12.3	25
FLUORENE	52.1	0.16	34.3	31.8	65.5	60.7	50-110	7.6	25
INDENO(1,2,3-CD)PYRENE	52.1	ND	37.4	34.4	71.8	66.0	45-125	8.4	25
NAPHTHALENE	52.1	63	115	117	99.8	104 #	40-100	1.7	25
PHENANTHRENE	52.1	ND	37.1	32.7	71.2	62.8	50-115	12.6	25
PYRENE	52.1	ND	36.3	33.6	69.7	64.5	50-130	7.7	25
SURROGATE: 2-FLUORBIPHENYL (S)	104	NA	74.6	66.0	71.7	63.5	50-110		
SURROGATE: NITROBENZENE-D5 (S)	104	NA	84.1	80.5	80.9	77.4	40-110		
SURROGATE: TERPHENYL-D14 (S)	104	NA	79.9	71.1	76.8	68.4	50-135		

= Recovery is outside QC limits.

Comments: ______

Primary	SPK	DUP
Quant Method :	SIM2.M	SIM2.M
Extraction Date :	01/25/11	01/25/11
Analysis Date :	02/03/11	02/03/11
Instrument :	Linus	Linus
Run :	0202L019	0202L020
Initials :	LF	

Printed: 02/03/11 9:43:02 AM
APPL MSD SCII

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0202L019.D Vial: 19
Acq On : 3 Feb 11 1:43 Operator: LF
Sample : AY30411W15 MS-1 1/960 Inst : Linus
Misc : Multiplr: 1.04

Quant Time: Feb 3 9:26 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:11:07 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.95	136	4102	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	7.95	164	2226	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.69	188	3568	2.50000 ppb	-0.01
15) Chrysene-D12(IS)	12.80	240	7104	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.42	264	5885	2.50000 ppb	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Surrogate Recovery (NBZ)	5.18	82	63537	84.10633 ppb	-0.05
Spiked Amount 104.167			Recovery =	80.742%	
7) Surrogate Recovery (FBP)	7.19	172	141740	74.59770 ppb	-0.01
Spiked Amount 104.167			Recovery =	71.614%	
17) Surrogate Recovery (TPH)	11.56	244	216968	79.93624 ppb	-0.01
Spiked Amount 104.167			Recovery =	76.739%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.97	128	315503	115.49986 ppb		99
4) 2-Methylnaphthalene	6.76	142	73705	40.94341 ppb		82
5) 1-Methylnaphthalene	6.87	142	103343	61.04260 ppb		99
8) Acenaphthylene	7.80	152	99664	33.61273 ppb		99
9) Acenaphthene	7.99	154	58672	34.66369 ppb		99
10) Fluorene	8.60	166	71493	34.25827 ppb		89
12) Phenanthrene	9.71	178	105795	37.06668 ppb		99
13) Anthracene	9.79	178	105019	36.54261 ppb		99
14) Fluoranthene	11.11	202	167392	36.96593 ppb	#	91
16) Pyrene	11.37	202	173616	36.27187 ppb	#	79
18) Benz (a) anthracene	12.77	228	163411	36.70169 ppb		95
19) Chrysene	12.82	228	168169	37.05495 ppb		97
20) Indeno (1,2,3-cd) pyrene	15.87	276	161991	37.35870 ppb	#	66
22) Benzo (b) fluoranthene	13.98	252	154118	36.56139 ppb		99
23) Benzo (k) fluoranthene	14.00	252	155868	39.44704 ppb	#	62
24) Benzo (a) pyrene	14.35	252	148484	40.59855 ppb	#	41
25) Dibenz (a,h) anthracene	15.87	278	136312	38.85430 ppb		98
26) Benzo (g,h,i) perylene	16.31	276	134654	36.46530 ppb	#	66

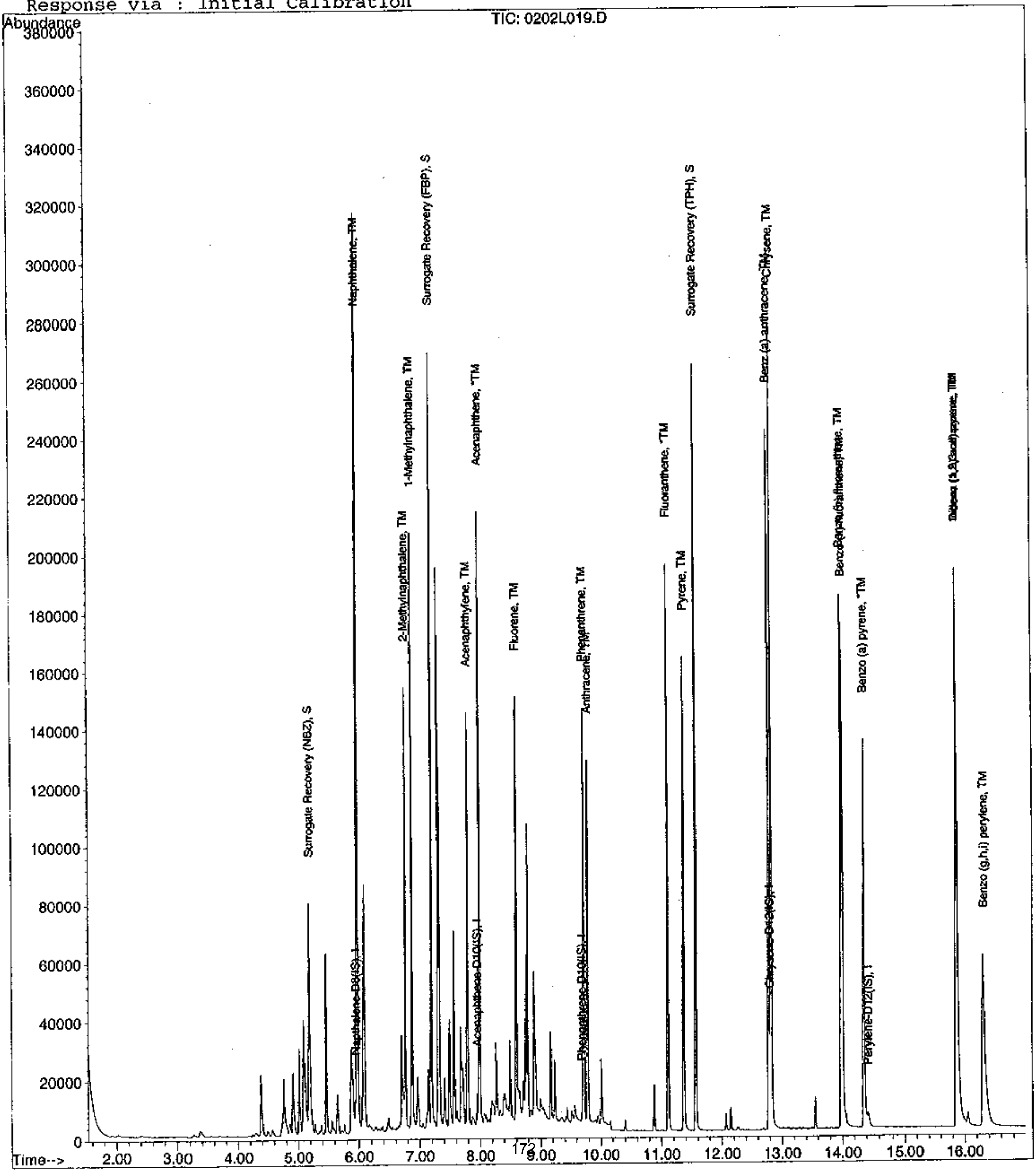
(#) = qualifier out of range (m) = manual integration
0202L019.D SIM2.M Thu Feb 03 09:46:35 2011

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0202L019.D          Vial: 19
Acq On    :  3 Feb 11   1:43                      Operator: LF
Sample    : AY30411W15 MS-1 1/960                  Inst   : Linus
Misc      :                                       Multiplr: 1.04

Quant Time: Feb  3  9:26 2011           Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Thu Feb 03 09:11:07 2011
Response via : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0202L020.D Vial: 20
Acq On : 3 Feb 11 2:07 Operator: LF
Sample : AY30411W13 MSD-1 1/960 Inst : Linus
Misc : Multiplr: 1.04

Quant Time: Feb 3 9:26 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:11:07 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.95	136	3963	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	7.95	164	2274	2.50000 ppb	-0.01
11) Phenanthrene-D10(IS)	9.69	188	3728	2.50000 ppb	-0.01
15) Chrysene-D12(IS)	12.80	240	6991	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.42	264	5742	2.50000 ppb	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
2) Surrogate Recovery (NBZ)	5.18	82	58786	80.54664 ppb	-0.05
Spiked Amount 104.167			Recovery =	77.325%	
7) Surrogate Recovery (FBP)	7.19	172	128148	66.02061 ppb	-0.01
Spiked Amount 104.167			Recovery =	63.380%	
17) Surrogate Recovery (TPH)	11.56	244	189833	71.06952 ppb	-0.01
Spiked Amount 104.167			Recovery =	68.227%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.97	128	308973	117.07660 ppb		100
4) 2-Methylnaphthalene	6.76	142	68879	39.60459 ppb		83
5) 1-Methylnaphthalene	6.87	142	99025	60.54362 ppb		99
8) Acenaphthylene	7.80	152	91213	30.11320 ppb		99
9) Acenaphthene	7.99	154	53452	30.91310 ppb		99
10) Fluorene	8.60	166	67821	31.81272 ppb		89
12) Phenanthrene	9.71	178	97607	32.73018 ppb		100
13) Anthracene	9.79	178	95089	31.66729 ppb		99
14) Fluoranthene	11.11	202	154833	32.72498 ppb	#	90
16) Pyrene	11.37	202	158096	33.56330 ppb	#	78
18) Benz (a) anthracene	12.79	228	149667	34.15816 ppb		97
19) Chrysene	12.82	228	152692	34.18852 ppb		98
20) Indeno (1,2,3-cd) pyrene	15.87	276	146794	34.40114 ppb	#	71
22) Benzo (b) fluoranthene	13.98	252	137561	33.44629 ppb		100
23) Benzo (k) fluoranthene	14.00	252	144961	37.60035 ppb	#	62
24) Benzo (a) pyrene	14.35	252	134083	37.57404 ppb	#	42
25) Dibenz (a,h) anthracene	15.87	278	123713	36.14128 ppb	#	95
26) Benzo (g,h,i) perylene	16.31	276	122024	33.86796 ppb	#	65

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

Quantitation Report

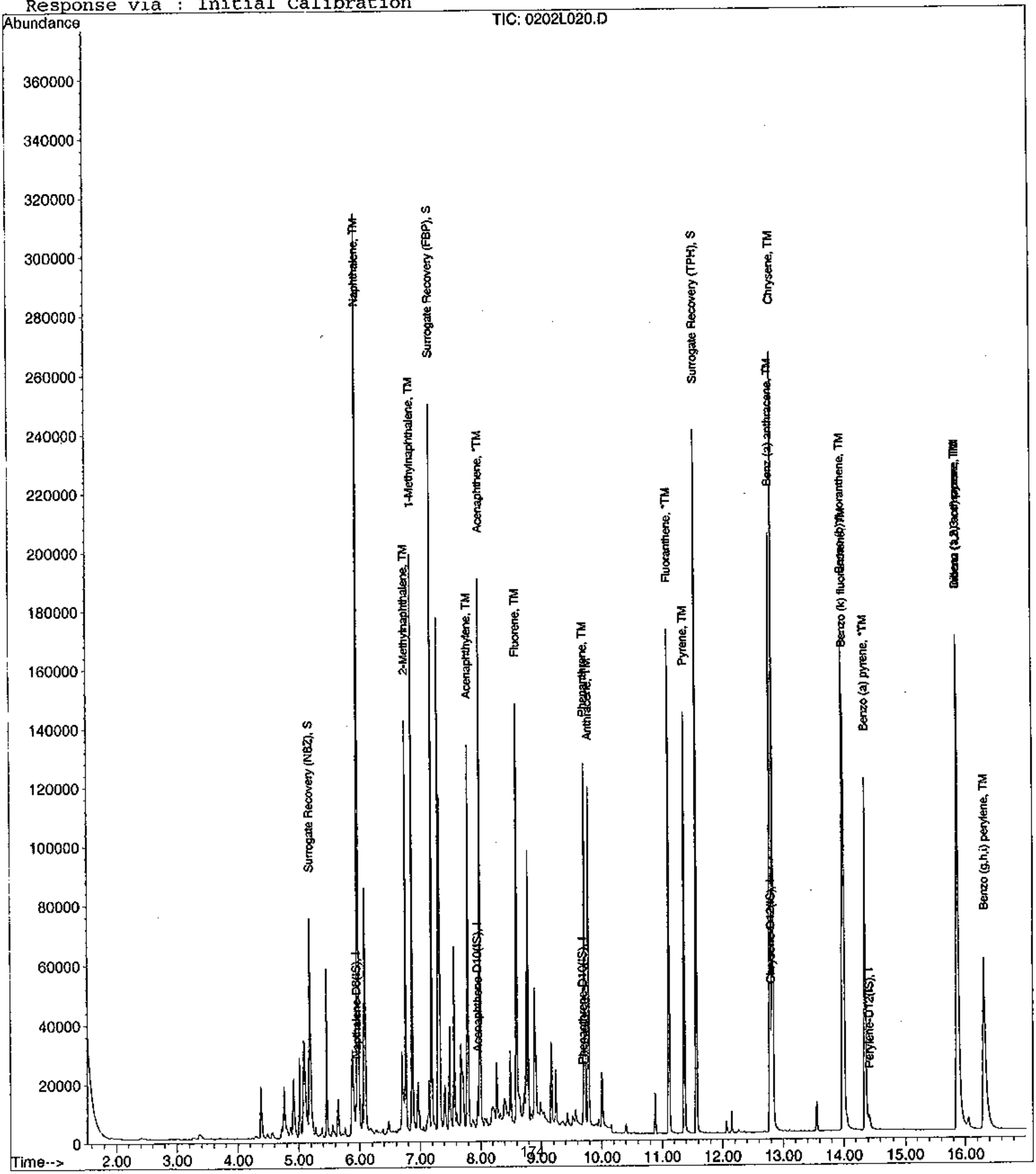
Data File : M:\LINUS\DATA\L110107\0202L020.D
Acq On : 3 Feb 11 2:07
Sample : AY30411W13 MSD-1 1/960
Misc :

Vial: 20
Operator: LF
Inst : Linus
Multiplr: 1.04

Quant Time: Feb 3 9:26 2011

Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Thu Feb 03 09:11:07 2011
Response via : Initial Calibration



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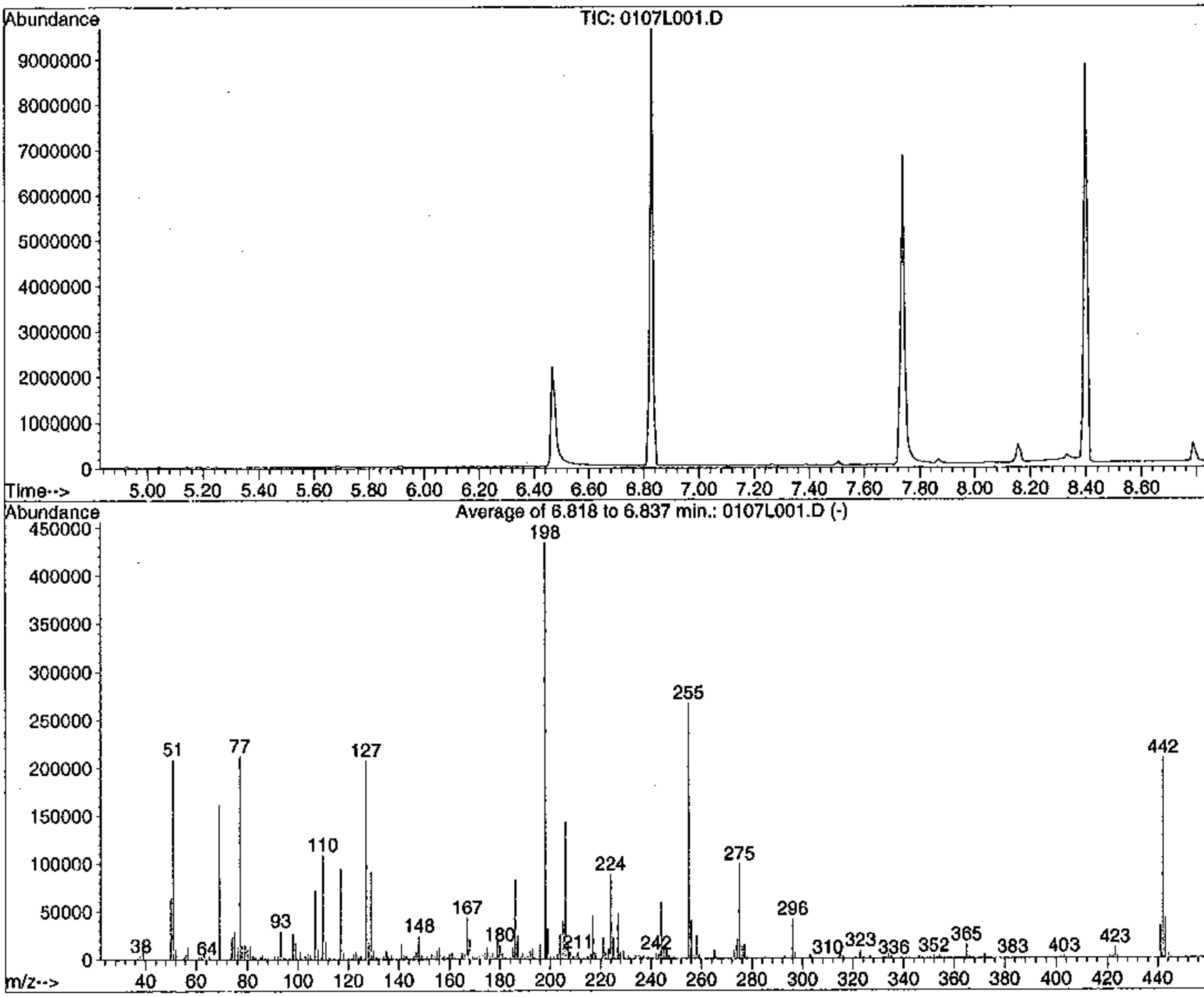
DFTPP

Data File : M:\LINUS\DATA\L110107\0107L001.D Vial: 1
Acq On : 7 Jan 11 14:22 Operator: LF
Sample : SVTUNE 04-12-10 Inst : Linus
Misc : Multiplr: 1.00

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C



Spectrum Information: Average of 6.818 to 6.837 min.

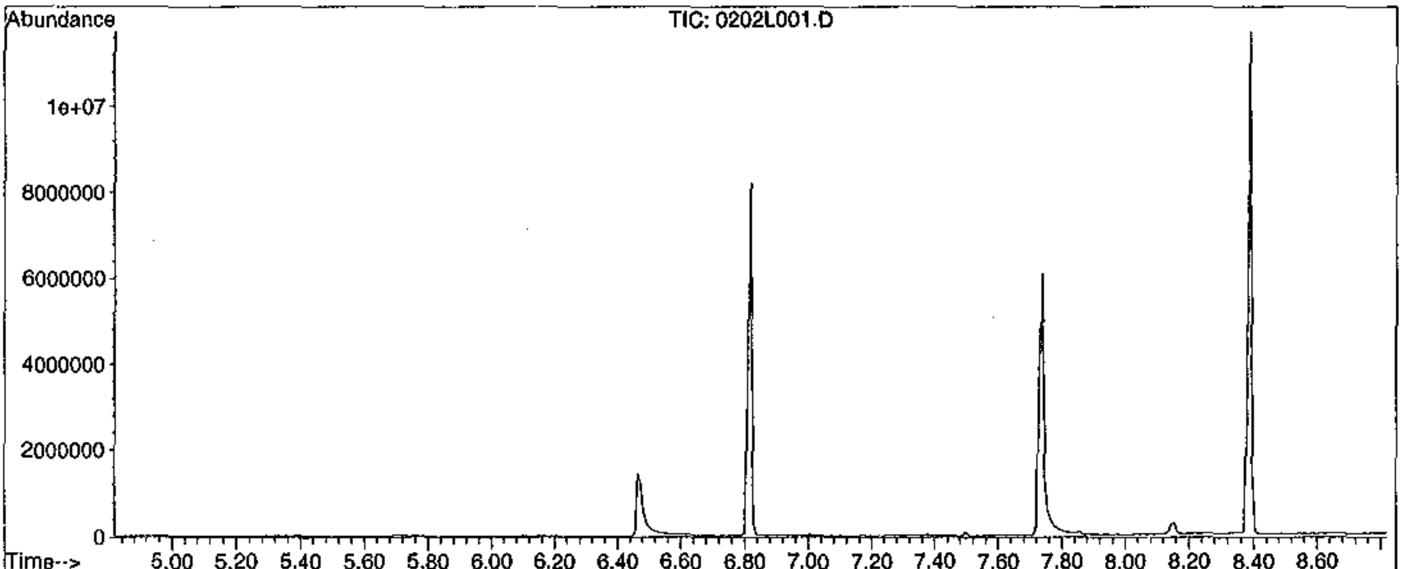
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.1	208946	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.3	539	PASS
127	198	40	60	47.8	207460	PASS
197	198	0.00	1	0.1	238	PASS
198	198	100	100	100.0	434355	PASS
199	198	5	9	7.3	31701	PASS
275	198	10	30	22.7	98511	PASS
365	198	1	100	3.2	13959	PASS
441	443	0.01	100	80.1	33618	PASS
442	198	40	150	48.0	208696	PASS
443	442	17	23	20.1	41957	PASS

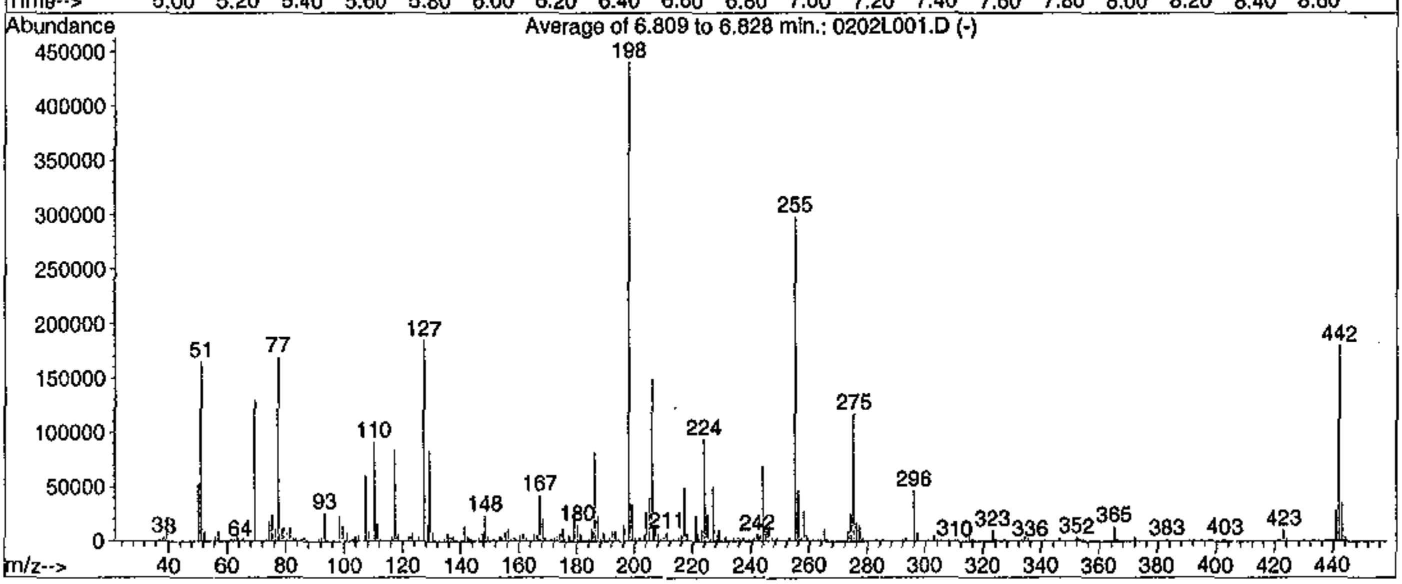
0107L001.D SIM2.M Wed Jan 19 13:06:00 2011

DFTPP

```
Data File : M:\LINUS\DATA\L110107\0202L001.D          Vial: 1
Acq On    :  2 Feb 11  18:23                          Operator: LF
Sample    : SVTUNE 04-12-10                           Inst    : Linus
Misc      :                                           Multiplr: 1.00

Method    : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title     : EPA 8270C
```





Spectrum Information: Average of 6.809 to 6.828 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.5	165111	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.6	734	PASS
127	198	40	60	41.8	184337	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	440647	PASS
199	198	5	9	7.5	32933	PASS
275	198	10	30	26.6	117084	PASS
365	198	1	100	3.0	13291	PASS
441	443	0.01	100	82.5	28458	PASS
442	198	40	150	40.7	179427	PASS
443	442	17	23	19.2	34510	PASS

GC/MS STANDARD PREPARATION BOOK # J PAGE # 50

UF 3/4/10

PREP DATE:	03-04-10												
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	146582-26313	03/04/10	03-04-11	0	0	0	0	5	5	25	50
	5.0ug/mL	5		03/04/10		0	0	10	20	0	0	0	0
	1.0ug/mL	1		03/04/10		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	149231-24956	03/04/10	03-04-11	0	0	0	0	5.	5	25	50
EM Science	Methylene Chloride		47080			90	80	90	80	190	90	50	0
					Final Vol.	100	100	100	100	200	100	100	100

UF 3/4/10

PREP DATE:	03-04-10						
SIN 8270 Second Source (5µg/mL)							
Exp:	03-18-10						
				Conc.	Date	CODE:	
Supplier	ID #		Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)		145112-24097	200	03/04/10	03-04-11	5
	MeCl2			Lot#47080			195
					Final Volume		200

UF 3/12/10

PREP DATE:	03-12-10															
8270T STANDARD CURVE																
Exp:	04-11-10					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		02/23/10	08-24-10	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			03/12/10		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			03/12/10		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	149231-24856	03/04/10	03-04-11	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

UF 3/12/10

PREP DATE:	03-12-10					
8270/625 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		02/23/10	08-24-10	25
EM Science	Methylene Chloride		47080			75
					Final Vol.	100

UF 4/6/10

PREP DATE:	04-06-10												
8270 STANDARD CURVE													
Exp:	04-13-10					5	10	20	40	50	60	80	100
		Conc.		Date	CODE:	I	J	K	L	M	N	O	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		03/23/10	08-24-10	5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	149231-24856	03/04/10	03-04-11	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080			190	90	80	60	50	40	20	0
					Final Vol.	200	100	100	100	100	100	100	100

UF 4/6/10

PREP DATE:	04-06-10					
8270/625 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		02/23/10	08-24-10	25
EM Science	Methylene Chloride		47080			75
					Final Vol.	100

UF 4/12/10

GCM-160-1
Lot CF-2995
Exp 08/31/2011
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

Semi-volatiles GC/MS Tuning Standard
Lot #: CF-2995 - 26132
Rec: 2/17/10 MFR exp. 08/31/11

exp 4/12/11

GC/MS STANDARD PREPARATION BOOK # J PAGE # 51

LF 4/12/10

PREP DATE:	04-12-10					
SV Tune Mix 50ug/ml						
Exp:	04-12-11					
		Conc.		Date	CODE:	B
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
U. Scientific	GCM-150	1000	CP-2995-26132	04/12/10	08-31-11	1000
EM Science	MeCl2		47080			19000
					Final Vol	20000

LF

LF 4/12/10 LF

Part #: 10001
Lot #: 032009
Laboratory Use Only - See MSDS
Exp: 032012 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in m
ABSOLUTE STANDA
CLP Semi-Volatiles Base/Neutrals Mix #1
Lot #: 032009 - 25510
Rec: 11/17/09 MFR exp. 03/20/12

LF exp 4/12/11

LF 4/12/10

Part #: 10002
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14 components
2000 ug/mL in me
ABSOLUTE STANDA
CLP Semi-Volatiles Base Neutrals Mix #2
Lot #: 073109 - 25516
Rec: 11/17/09 MFR exp. 07/31/12

LF exp 4/12/11

LF 4/12/10

Part #: 10004
Lot #: 060407
Laboratory Use Only - See MSDS
Exp: 060412 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in m
ABSOLUTE STANDA
CLP Semi-Volatiles Toxic Substances #1
Lot #: 060407 - 25521
Rec: 11/17/09 MFR exp. 06/04/12

LF exp 4/12/11

LF 4/12/10

Part #: 10005
Lot #: 121208
Laboratory Use Only - See MSDS
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 - 25526
Rec: 11/17/09 MFR exp. 12/12/13

LF exp 4/12/11

LF 4/12/10

Part #: 10006
Lot #: 102109
Laboratory Use Only - See MSDS
Exp: 102112 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in met
ABSOLUTE STANDAR
CLP Semi-Volatiles - Benzidines
Lot #: 102109 - 25531
Rec: 11/17/09 MFR exp. 10/21/12

LF exp 4/12/11

LF 4/12/10

Part #: 10007
Lot #: 101409
Laboratory Use Only - See MSDS
Exp: 101414 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 components
2000 ug/mL in meti
ABSOLUTE STANDAR
CLP Semi-Volatiles - PAH Mix
Lot #: 101409 - 25536
Rec: 11/17/09 MFR exp. 10/14/14

LF exp 4/12/11

LF 4/12/10

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Pl
2000 ug/mL in metl
ABSOLUTE STANDAR
EPA Method 8270A - Analytes Mix #8
Lot #: 073109 - 25541
Rec: 11/17/09 MFR exp. 07/31/14

LF exp 4/12/11

GC/MS STANDARD PREPARATION BOOK # J PAGE # 68

VF 10/6/10

TCL Hazardous Substances Solution 2, 2,000 mg/L, 1 ml
o2si Cat. No: 110394-01 Lot No: 158122
TCL Hzd. Soln. 2
Lot #: 148122 - 26459
Rec: 4/19/10 MFR exp. 04/17/13
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

VF 10/6/10

Atrazine Solution, 1,000 mg/L, 1 ml
o2si Cat. No: 010337-01 Lot No: 158126
Atrazine
Lot #: 158136 - 26467
Rec: 4/19/10 MFR exp. 04/12/12
Exp: 4/12/2012
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

VF 10/6/10

8270 BN Solution 14-4, 2,000 mg/L, 1 ml
o2si Cat. No: 110391-01 Lot No: 158119
8270BN Solution 14-4
Lot #: 158119 - 26453
Rec: 4/19/10 MFR exp. 04/17/13
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

VF 10/6/10

8270 BN Solution 14-3, 2,000 mg/L, 1 ml
o2si Cat. No: 110392-01 Lot No: 158120
8270BN Solution 14-3
Lot #: 158120 - 26455
Rec: 4/19/10 MFR exp. 04/17/13
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

VF 10/6/10

8270 Acid Solution 4-6, 2,000 mg/L, 1 ml
o2si Cat. No: 110393-01 Lot No: 158121
8270B Acid Solution 4-6
Lot #: 158121 - 26457
Rec: 4/19/10 MFR exp. 04/17/13
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

VF 10/6/10

PAH Solution 17-3, 2,000 mg/L, 1 ml
o2si Cat. No: 116070-02 Lot No: 158123
PAH Solution
Lot #: 158123 - 26461
Rec: 4/19/10 MFR exp. 04/17/13
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

VF 10/6/10

8270 Acid Solution 13-4, 2,000 mg/L, 1 ml
o2si Cat. No: 110396-01 Lot No: 158124
8270 Acid Solution 13-4
Lot #: 158124 - 26463
Rec: 4/19/10 MFR exp. 04/17/13
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

VF 10/6/10

8270 BN Solution 4-21, 2,000 mg/L, 1 ml
o2si Cat. No: 110395-01 Lot No: 158125
8270BN Solution 4-21
Lot #: 158125 - 26465
Rec: 4/19/10 MFR exp. 04/17/13
Exp: 4/17/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

VF exp 10/6/11

GC/MS STANDARD PREPARATION BOOK # J PAGE # 69

UF 10/6/10

o2si

8270 11 Compound Custom Mix, 200:2,000 mg/L, 1 ml
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 - 26470
Rec: 4/19/10 MFR exp. 04/12/12
Opened: ____________

UF

UF 10/6/10

PREP DATE:	10-06-10					
8270C Second Source Stock Standard						
Exp:	10-06-11					
		Conc.		Date	COPY:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
O2SI	110391-01	2000	158119-26453	10-6-10A	04-17-13	1000
O2SI	110392-01	2000	158120-26455	10-6-10B	04-17-13	1000
O2SI	110393-01	2000	158121-26457	10-6-10C	04-17-13	1000
O2SI	110394-01	2000	148122-26459	10-6-10D	04-17-13	1000
O2SI	116070-02	2000	158123-26461	10-6-10F	04-17-13	1000
O2SI	110395-01	2000	158125-26465	10-6-10G	04-17-13	1000
O2SI	110396-01	2000	158124-26463	10-6-10H	04-17-13	1000
O2SI	110397-01	2000	158127-26470	10-6-10I	04-12-12	1000
O2SI	010337-01	1000	158136-26467	10-6-10J	04-12-12	1000
EM Science	MeCl2		47080			1000
					Final Vol	10000

UF

UF 10/7/10

o2si smart solutions

8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25767
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si smart solutions

8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25768
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si

8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25769
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si

8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25761
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si smart solutions

8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25762
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

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VF 10/7/10

PREP DATE:	10-07-10					
8270C Stock/Spike Standard						
Exp:	04-09-11					VF
		Conc.		Date	CODE:	F
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-27434	10/07/10	03-20-12	1000
Absolute	10001	2000	032009-27433	10/07/10	03-20-12	1000
Absolute	10002	2000	073109-27439	10/07/10	07-31-12	1000
Absolute	10002	2000	073109-27438	10/07/10	07-31-12	1000
Absolute	10004	2000	101509-27442	10/07/10	10-15-14	1000
Absolute	10004	2000	101509-27444	10/07/10	10-15-14	1000
Absolute	10005	2000	121208-27449	10/07/10	12-12-13	1000
Absolute	10005	2000	121208-27448	10/07/10	12-12-13	1000
Absolute	10006	2000	072010-27454	10/07/10	07-20-13	1000
Absolute	10006	2000	072010-27456	10/07/10	07-20-13	1000
Absolute	10007	2000	100909-27457	10/07/10	10-09-14	1000
Absolute	10007	2000	100909-27456	10/07/10	10-09-14	1000
Absolute	10018	2000	073109-27462	10/07/10	07-31-14	1000
Absolute	10018	2000	073109-27461	10/07/10	07-31-14	1000
Absolute	70023	1000	090310-27472	10/07/10	09-03-13	1000
Absolute	70023	1000	090310-27471	10/07/10	09-03-13	1000
Absolute	82705	2000	052908-27477	10/07/10	05-29-11	1000
Absolute	82705	2000	052908-27476	10/07/10	05-29-11	1000
Absolute	94552	2000	080310-37467	10/07/10	08-03-15	1000
Absolute	94552	2000	080310-27466	10/07/10	08-03-15	1000
					Final Vol	20000

VF 11/11/10

o2si smart solutions

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

110004-17 Storage: <= -10 Degrees C

Made in USA Lot No: 160538 Solvent: Methylene Chloride

Exp: 6/10/2012

Date Opened: ___

8270 BN:A (200:400) Surrogate Solution

Lot #: 160538 - 27570

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

VF ~~OSP 10/10~~ 11/11/11 VF

AE 11/11/10

PREP DATE:	11-11-10															
8270T STANDARD CURVE													VF			
Exp:	12-11-10					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		10/07/10	04-09-11	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			11/11/10		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL		160538-27570	11/11/10		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	~~[illegible]~~	11/11/10	11-11-11	0	0	0	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080 VF			90	80	80	190	90	80	60	50	40	20	0
					Final Vol.			100	200	100	100	100	100	100	100	100

VF 11/11/10

PREP DATE:	11-11-10					
8270 Second Source (SS) 50ug/mL						VF
						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 11/11/10

PREP DATE:	11-11-10												
8270 SIM STANDARD CURVE									VF				
						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	146582-26313	03/04/10	03-04-11	0	0	0	0	5	5	25	50
	5.0ug/mL	5		11/11/10		0	0	10	20	0	0	0	0
	1.0ug/mL	1		11/11/10		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	11/11/10	11-11-11	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47080			90	80	90	80	190	90	50	0
					Final Vol.	100	100	1.0	100	200	100	100	100

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VF 11/11/10

PREP DATE:	11-11-10					
SIM 8270 Second Source (5µg/mL)						
Exp:	11-25-10					
			Conc.	Date	CODE:	
Supplier	ID #	Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)	145112-24097	200	03/04/10	03-04-11	5
	MeCl2	Lot 147080				195
				Final Volume		200

VF

VF 11/17/10

PREP DATE:	11-17-10															
8270T STANDARD CURVE																
Exp:	12-17-10					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		10/07/10	04-09-11	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			11/17/10		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			11/17/10		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	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

VF 11/17/10

PREP DATE:	11-17-10					
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

VF 12/17/10

Part #: 10001 Laboratory Use Only - See MSDS
Lot #: 032009 Exp: 032012 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in methylene ch
ABSOLUTE STANDARDS, INC

CLP Semi-Volatiles Base/Neutrals Mix #1
Lot #: 032009 - 27431
Rec: 10/7/10 MFR exp. 3/20/201

BH

VF

VF 12/17/10

Part #: 10001 Laboratory Use Only - See MSDS
Lot #: 032009 Exp: 032012 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/ml
ABSOLUTE ST

CLP Semi-Volatiles Base/Neutrals Mix #
Lot #: 032009 - 27430
Rec: 10/7/10 MFR exp. 3/20/201

mL
BH -1131

VF

VF 12/17/10

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 methylene chl
ABSOLUTE STANDARDS, INC

CLP Semi-Volatiles Base/Neutrals Mix #
Lot #: 073109 - 27436
Rec: 10/7/10 MFR exp. 7/31/201

BH

VF

VF 12/17/10

Part #: 10002 Laboratory Use Only - See MSDS
Lot #: 073109 Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14
20
ABSOL

CLP Semi-Volatiles Base/Neutrals Mix #
Lot #: 073109 - 27435
Rec: 10/7/10 MFR exp. 7/31/201

1 mL
BH
300-368-1131

VF

UF 12/17/10

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 methylene chlori
ABSOLUTE STANDARDS, INC.

CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 27440 BH
Rec: 10/7/10 MFR exp. 10/15/20

UF

UF 12/17/10

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 methylene chlori
ABSOLUTE STANDARDS, INC.

CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 27441 BH
Rec: 10/7/10 MFR exp. 10/15/20

UF

UF 12/17/10

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 methylene chl
ABSOLUTE STANDARDS, INC

CLP Semi-Volatiles Toxic Substances #2
Lot #: 121208 - 27445 BH
Rec: 10/7/10 MFR exp. 12/12/20

UF

UF 12/17/10

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 methylene chlo
ABSOLUTE STANDARDS, INC.

CLP Semi-Volatiles Toxic Substances #2
Lot #: 121208 - 27446 BH
Rec: 10/7/10 MFR exp. 12/12/20

UF

UF 12/17/10

Part #: 10006 Laboratory Use Only - See MSDS
Lot #: 072010 Exp: 072013 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in methanol
ABSOLUTE STANDARDS,

CLP Semi-Volatiles - Benzidines
Lot #: 072010 - 27450 BH
Rec: 10/7/10 MFR exp. 7/20/201

UF

UF 12/17/10

Part #: 10006 Laboratory Use Only - See MSDS
Lot #: 072010 Exp: 072013 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in methanol
ABSOLUTE STANDARDS, INC.

CLP Semi-Volatiles - Benzidines
Lot #: 072010 - 27451 BH
Rec: 10/7/10 MFR exp. 7/20/201

UF

UF 12/17/10

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 m
ABSOLUTE STAND

CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 28011
Rec: 12/16/10 MFR exp. 10/09/14

UF

VF12/17/10

Part #: 10007
Lot #: 100909
Laboratory Use Only - See MSDS
Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 components
2000 ug/mL in me
ABSOLUTE STANDA
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 28012
Rec: 12/16/10 MFR exp. 10/09/14
VF

VF12/17/10

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Phenols
2000 ug/mL in methylene ch
ABSOLUTE STANDARDS, INC
CLP Semi-Volatiles Mix #8 - Phenols
Lot #: 073109 - 27459
Rec: 10/7/10 MFR exp. 7/31/201
VF
BH

VF12/17/10

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 c
200
ABSOLU
CLP Semi-Volatiles Mix #8 - Phenols
Lot #: 073109 - 27458
Rec: 10/7/10 MFR exp. 7/31/201
BH
1 mL
)0-368-1131
VF

VF12/17/10

Part #: 70023
Lot #: 080310
Laboratory Use Only - See MSDS
Exp: 080315 Storage 4 °C
Atrazine
1000 ug/mL in acetone
ABSOLUTE STANDARDS
Atrazine
Lot #: 080310 - 27464
Rec: 10/7/10 MFR exp. 8/3/2015
BH
VF

VF12/17/10

Part #: 70023
Lot #: 080310
Laboratory Use Only - See MSDS
Exp: 080315 Storage 4 °C
Atrazine
1000 ug/mL in acetone
ABSOLUTE STANDARDS
Atrazine
Lot #: 080310 - 27463
Rec: 10/7/10 MFR exp. 8/3/2015
BH
VF

VF12/17/10

Part #: 82705
Lot #: 090310
Laboratory Use Only - See MSDS
Exp: 090313 Storage 4 °C
- Mix #11
EPA Method 8270A - Mix #18
Lot #: 090310 - 27469
Rec: 10/7/10 MFR exp. 9/3/2013
BH
1 mL
ABSOLUTE STAN
800-368-1131
VF

VF12/17/10

Part #: 82705
Lot #: 090310
Laboratory Use Only - See MSDS
Exp: 090313 Storage 4 °C
EPA Method 8270A - Mix #11
4 components
2000 ug/mL in acetone
ABSOLUTE STANDARDS
EPA Method 8270A - Mix #18
Lot #: 090310 - 27468
Rec: 10/7/10 MFR exp. 9/3/2013
BH
VF

VF 12/17/10

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-
11 cc
Varie..
ABSOLUTE STAN...) 368-1131

Semi-Volatile Standard
Lot #: 052908 - 27473
Rec: 10/7/10 MFR exp. 5/29/201

BH

VF

VF 12/17/10

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 components
Varied ug/mL in methylene
ABSOLUTE STANDARDS, INC

Semi-Volatile Standard
Lot #: 052908 - 27474
Rec: 10/7/10 MFR exp. 5/29/201

BH

VF

VF 12/17/10

PREP DATE:	12-17-10					
8270C Stock/Spike Standard						
Exp:	05-29-11					
		Conc.		Date	CODE:	F
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-27431	12/17/10	03-20-12	1000
Absolute	10001	2000	032009-27430	12/17/10	03-20-12	1000
Absolute	10002	2000	073109-27436	12/17/10	07-31-12	1000
Absolute	10002	2000	073109-27435	12/17/10	07-31-12	1000
Absolute	10004	2000	101509-27440	12/17/10	10-15-14	1000
Absolute	10004	2000	101509-27441	12/17/10	10-15-14	1000
Absolute	10005	2000	121208-27445	12/17/10	12-12-13	1000
Absolute	10005	2000	121508-27446	12/17/10	12-12-13	1000
Absolute	10006	2000	072010-27450	12/17/10	07-20-13	1000
Absolute	10006	2000	072010-27451	12/17/10	07-20-13	1000
Absolute	10007	2000	100909-28011	12/17/10	10-09-14	1000
Absolute	10007	2000	100909-28012	12/17/10	10-09-14	1000
Absolute	10018	2000	073109-27459	12/17/10	07-31-14	1000
Absolute	10018	2000	073109-27458	12/17/10	07-31-14	1000
Absolute	70023	1000	080310-27464	12/17/10	08-03-15	1000
Absolute	70023	1000	080310-27463	12/17/10	08-03-15	1000
Absolute	82705	2000	090310-27469	12/17/10	09-03-13	1000
Absolute	82705	2000	090310-27468	12/17/10	09-03-13	1000
Absolute	94552	2000	082908-27473	12/17/10	05-29-11	1000
Absolute	94552	2000	052908-27474	12/17/10	05-29-11	1000
					Final Vol	20000

VF

VF 12/23/10

PREP DATE:	12-23-10												
8270T STANDARD CURVE													
Exp:	01-22-11					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		12/17/10	05-29-11	5	5	10	20	25	30	40	50
	5.0ug/mL			12/23/10		0	0	0	0	0	0	0	0
	1.0ug/mL			12/23/10		0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	11/11/10	11-11-11	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080			190	90	80	60	50	40	20	0
					Final Vol.	200	100	100	100	100	100	100	100

VF

VF 12/23/10

PREP DATE:	12-23-10					
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

GC/MS STANDARD PREPARATION BOOK # J PAGE # 80

VF 1/4/11

PREP DATE:	01-04-11															
8270T STANDARD CURVE								VF								
Exp:	02-03-11					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			01/04/11		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			01/04/11		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	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 1/4/11

PREP DATE:	01-04-11					
8270 Second Source (SS) 50ug/mL						VF
						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 1/7/11

PREP DATE:	01-07-11												
8270 SIM STANDARD CURVE										VF			
						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	146582-26313	03/04/10	03-04-11	0	0	0	0	5	5	25	50
	5.0ug/mL	5		01/07/11		0	0	10	20	0	0	0	0
	1.0ug/mL	1		01/07/11		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	11/11/10	11-11-11	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47080			90	80	90	80	190	90	50	0
					Final Vol.	100	100	100	100	200	100	100	100

VF 1/7/11

PREP DATE:	01-07-11					
SIM 8270 Second Source (5µg/mL)						VF
Exp:	01-21-11					
			Conc.	Date	CODE:	
Supplier	ID #	Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)	145112-24097	200	03/04/10	03-04-11	5
	MeCl2		Lot#47080			195
				Final Volume		200

VF 1/15/11

Part #: 90577 Laboratory Use Only-See MSDS
Lot #: 113007 Exp: 113012 1 mL
1,4-Dioxane
20 mg/mL in
ABSOLUTE STANDA

1,4-Dioxane
Lot #: 113007 - 22852
Rec: 9/10/08 MFR exp. 11/30/12

VF

_SEP004

Organic Extraction Worksheet

Method	625/8270 Separatory Funnel Extra 3510C	Extraction Set	110125A	Extraction Method	SEP004	Units	mL

Spiked ID 1	8270T Spike 1/17/11 EX 5/29/11		Surrogate ID 1	8270 Surrogate 164547-27569
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:	YES
Spiked ID 7			Ext. Start Time:	
Spiked ID 8			Ext. End Time:	
			GC Requires Extract By:	

pH1	2	01/25/11 2:05:00 PM	W Bath Temp	80 °C
pH2	14	01/25/11 4:05:00 PM		
pH3				

Spiked By: SH **Date** 01/25/11 **Witnessed By:** CC **Date** 01/25/11

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	110125A Blk				1	1	1000	1	2/14	01/25/11 14:00	
2	110125A LCS-1		0.250	1	1	1	1000	1	2/14	01/25/11 14:00	
3	AY30383	AY30383W19			1	1	1050	1	2/14	01/25/11 14:00	63689-2 WEEK RUSH -- Amber Liter
4	AY30384	AY30384W14			1	1	1050	1	2/14	01/25/11 14:00	63689-2 WEEK RUSH -- Amber Liter
5	AY30386	AY30386W13			1	1	1040	1	2/14	01/25/11 14:00	63689-2 WEEK RUSH -- Amber Liter
6	AY30387	AY30387W09			1	1	1040	1	2/14	01/25/11 14:00	63689-2 WEEK RUSH -- Amber Liter
7	AY30410	AY30410W07			1	1	930	1	2/14	01/25/11 14:00	63694-2 WEEK RUSH -- Amber Liter
8	AY30411 MS-1	AY30411W15	0.250	1	1	1	960	1	2/14	01/25/11 14:00	63694-2 WEEK RUSH -- Amber Liter
9	AY30411 MSD-1	AY30411W13	0.250	1	1	1	960	1	2/14	01/25/11 14:00	63694-2 WEEK RUSH -- Amber Liter
10	AY30411	AY30411W12			1	1	980	1	2/14	01/25/11 14:00	63694-2 WEEK RUSH -- Amber Liter
11	AY30412	AY30412W05			1	1	1010	1	2/14	01/25/11 14:00	63694-2 WEEK RUSH -- Amber Liter
12	AY30413	AY30413W07			1	1	970	1	2/14	01/25/11 14:00	63694-2 WEEK RUSH -- Amber Liter

HM 1/26/11

Solvent and Lot#	
MC	VWR 110510F
1+1 Sulfuric Acid	12/16/10
Acidified Na2SO4	12/29/10
Na2SO4	1750C276
10N NaOH	12/10/10

Extraction COC Transfer	
Extraction lab employee Initials	HM
GC analyst's initials	VF
Date	1/26/11
Time	1210
Refrigerator	1150mp

	Technician's Initials
Scanned By	HM
Sample Preparation	CC
Extraction	CC
Concentration	CC

Modified	01/25/11 12:25:33 PM

Reviewed By: HM 187 **Date** 01/26/11

Injection Log

Directory: M:\LINUS\DATA\L110107\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0107L001.D	1	SVTUNE 04-12-10		7 Jan 11 14:22
2	2	0107L002.D	1	0.1ug/ml PAH 01-07-11		7 Jan 11 14:40
3	3	0107L003.D	1	0.2ug/ml PAH		7 Jan 11 15:05
4	4	0107L004.D	1	0.5ug/ml PAH		7 Jan 11 15:31
5	5	0107L005.D	1	1.0ug/ml PAH		7 Jan 11 15:56
6	6	0107L006.D	1	5.0ug/ml PAH		7 Jan 11 16:21
7	7	0107L007.D	1	10ug/ml PAH		7 Jan 11 16:46
8	8	0107L008.D	1	50ug/ml PAH		7 Jan 11 17:11
9	9	0107L009.D	1	100ug/ml PAH		7 Jan 11 17:37
10	10	0107L010.D	1	5.0ug/ml PAH SS 01-07-11		7 Jan 11 18:02
11	1	0202L001.D	1	SVTUNE 04-12-10		2 Feb 11 18:23
12	2	0202L002.D	1	5.0ug/ml PAH 01-07-11		2 Feb 11 18:41
13	16	0202L016.D	1	110125A BLK 1/1000		3 Feb 11 00:29
14	17	0202L017.D	1	110125A LCS-1 1/1000		3 Feb 11 00:53
15	18	0202L018.D	1.07527	AY30410W07 1/930		3 Feb 11 1:18
16	19	0202L019.D	1.04167	AY30411W15 MS-1 1/960		3 Feb 11 1:43
17	20	0202L020.D	1.04167	AY30411W13 MSD-1 1/960		3 Feb 11 2:07
18	21	0202L021.D	1.02041	AY30411W12 1/980		3 Feb 11 2:32
19	22	0202L022.D	0.9901	AY30412W05 1/1010		3 Feb 11 2:56
20	23	0202L023.D	1.03093	AY30413W07 1/970		3 Feb 11 3:21

EPA METHOD 8260B
Volatile Organic Compounds

EPA METHOD 8260B
Volatile Organic Compounds
QC Summary

Method Blank
EPA 8260B VOCs + Gas Water

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **110124W-30411 - 151951**
Batch ID: #86RHB-110124AS

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	1/25/11	1/25/11
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/25/11	1/25/11
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/25/11	1/25/11
BLANK	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	1/25/11	1/25/11
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
BLANK	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
BLANK	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/25/11	1/25/11
BLANK	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/25/11	1/25/11
BLANK	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/25/11	1/25/11
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/25/11	1/25/11
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/25/11	1/25/11
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/25/11	1/25/11
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/25/11	1/25/11
BLANK	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/25/11	1/25/11
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/25/11	1/25/11
BLANK	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11

Quant Method: S86ENVW.M
Run #: 0124S20
Instrument: Sweetpea
Sequence: S110124
Initials: SV

GC SC-Blank-REG MDLs
Printed: 2/24/11 9:44:25 AM

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **110124W-30411 - 151951**
Batch ID: #86RHB-110124AS

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	1/25/11	1/25/11
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	1/25/11	1/25/11
BLANK	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/25/11	1/25/11
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	SURROGATE: 1,2-DICHLOROET	106	70-120			%	1/25/11	1/25/11
BLANK	SURROGATE: 4-BROMOFLUOR	104	75-120			%	1/25/11	1/25/11
BLANK	SURROGATE: DIBROMOFLUOR	99.9	85-115			%	1/25/11	1/25/11
BLANK	SURROGATE: TOLUENE-D8 (S)	100	85-120			%	1/25/11	1/25/11

Quant Method: S86ENVW.M
Run #: 0124S20
Instrument: Sweetpea
Sequence: S110124
Initials: SV

GC SC-Blank-REG MDLs
Printed: 2/24/11 9:44:25 AM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc.
Case No: 63694
Matrix: WATER

SDG No: 63694
Date Analyzed: 1/24/11
Instrument: Sweetpea

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)	SURROGATE: 4-BROMOFLUOROBENZENE (S)
110124AS-LCS	Lab Control Spike	112	104
110124AS-BLK	Blank	106	104
AY30414	TRIP BLANK	115	108
AY30410	ES010	109	114
AY30411	ES011	103	110
AY30412	ES012	110	96.5
AY30413	ES013	108	103
AY30411-MS	Matrix Spike	116	98.2
AY30411-MSD	Matrix SpikeD	115	112

Comments: Batch: #86RHB-110124AS

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc.
Case No: 63694
Matrix: WATER

SDG No: 63694
Date Analyzed: 1/24/11
Instrument: Sweetpea

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)	SURROGATE: TOLUENE-D8 (S)
110124AS-LCS	Lab Control Spike	107	104
110124AS-BLK	Blank	99.9	100
AY30414	TRIP BLANK	105	107
AY30410	ES010	101	106
AY30411	ES011	97.8	106
AY30412	ES012	100	95.6
AY30413	ES013	101	98.0
AY30411-MS	Matrix Spike	104	85.3
AY30411-MSD	Matrix SpikeD	105	97.2

Comments: Batch: #86RHB-110124AS

Laboratory Control Spike Recovery
EPA 8260B VOCs + Gas Water

APPL ID: **110124W-30411 LCS - 151951**
Batch ID: #86RHB-110124AS

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	9.82	98.2	80-130
1,1,1-TRICHLOROETHANE	10.00	10.8	108	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	9.81	98.1	65-130
1,1,2-TRICHLOROETHANE	10.00	10.6	106	75-125
1,1-DICHLOROETHANE	10.00	10.2	102	70-135
1,1-DICHLOROETHENE	10.00	10.6	106	70-130
1,2,3-TRICHLOROPROPANE	10.00	11.2	112	75-125
1,2,4-TRICHLOROBENZENE	10.00	10.6	106	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	9.10	91.0	50-130
1,2-DIBROMOETHANE	10.00	9.94	99.4	70-130
1,2-DICHLOROBENZENE	10.00	10.9	109	70-120
1,2-DICHLOROETHANE	10.00	10.6	106	70-130
1,2-DICHLOROPROPANE	10.00	10.1	101	75-125
1,3-DICHLOROBENZENE	10.00	10.4	104	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	19.4	97.0	70-130
1,4-DICHLOROBENZENE	10.00	10.9	109	75-125
2-BUTANONE	10.00	9.13	91.3	30-150
4-METHYL-2-PENTANONE	10.00	8.29	82.9	60-135
ACETONE	10.00	11.0	110	40-140
BENZENE	10.00	10.2	102	80-120
BROMODICHLOROMETHANE	10.00	9.81	98.1	75-120
BROMOFORM	10.00	9.31	93.1	70-130
BROMOMETHANE	10.00	10.1	101	30-145
CARBON TETRACHLORIDE	10.00	10.6	106	65-140
CHLOROBENZENE	10.00	10.7	107	80-120
CHLORODIBROMOMETHANE	10.00	10.0	100	60-135

Comments:

Primary	SPK
Quant Method :	S86ENVW.M
Extraction Date :	1/24/11
Analysis Date :	1/24/11
Instrument :	Sweetpea
Run :	0124S17
Initials :	SV

Printed: 2/24/11 9:44:35 AM

APPL Standard LCS

Laboratory Control Spike Recovery
EPA 8260B VOCs + Gas Water

APPL ID: **110124W-30411 LCS - 151951**
Batch ID: #86RHB-110124AS

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	11.1	111	60-135
CHLOROFORM	10.00	9.83	98.3	65-135
CHLOROMETHANE	10.00	9.42	94.2	40-125
CIS-1,2-DICHLOROETHENE	10.00	9.62	96.2	70-125
ETHYLBENZENE	10.00	10.3	103	75-125
GASOLINE	600	652	109	75-125
HEXACHLOROBUTADIENE	10.00	11.5	115	50-140
METHYL TERT-BUTYL ETHER	10.00	9.47	94.7	65-125
METHYLENE CHLORIDE	10.00	10.1	101	55-140
STYRENE	10.00	10.6	106	65-135
TETRACHLOROETHENE	10.00	11.2	112	45-150
TOLUENE	10.00	10.3	103	75-120
TRANS-1,2-DICHLOROETHENE	10.00	11.0	110	60-140
TRICHLOROETHENE	10.00	10.5	105	70-125
VINYL CHLORIDE	10.00	10.7	107	50-145
XYLENES (TOTAL)	30.0	32.3	108	80-120
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	24.1	112	70-120
SURROGATE: 4-BROMOFLUOROBENZ	25.5	26.5	104	75-120
SURROGATE: DIBROMOFLUOROMETH	22.9	24.4	107	85-115
SURROGATE: TOLUENE-D8 (S)	25.1	26.0	104	85-120

Comments:

Primary	SPK
Quant Method :	S86ENVW.M
Extraction Date :	1/24/11
Analysis Date :	1/24/11
Instrument :	Sweetpea
Run :	0124S17
Initials :	SV

Printed: 2/24/11 9:44:35 AM

APPL Standard LCS

Matrix Spike Recoveries

EPA 8260B VOCs + Gas Water

APPL ID: **110125W-30411 MS - 151951**
Batch ID: #86RHB-110124AS
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1,1,1,2-TETRACHLOROETHANE	10.00	ND	9.40	11.0	94.0	110	80-130	15.7	30
1,1,1-TRICHLOROETHANE	10.00	ND	9.03	8.49	90.3	84.9	65-130	6.2	30
1,1,2,2-TETRACHLOROETHANE	10.00	ND	9.47	10.3	94.7	103	65-130	8.4	30
1,1,2-TRICHLOROETHANE	10.00	ND	10.9	11.0	109	110	75-125	0.91	30
1,1-DICHLOROETHANE	10.00	ND	9.04	9.83	90.4	98.3	70-135	8.4	30
1,1-DICHLOROETHENE	10.00	ND	8.02	8.04	80.2	80.4	70-130	0.25	30
1,2,3-TRICHLOROPROPANE	10.00	ND	11.0	11.6	110	116	75-125	5.3	30
1,2,4-TRICHLOROBENZENE	10.00	ND	8.43	12.7	84.3	127	65-135	40.4 #	30
1,2-DIBROMO-3-CHLOROPROPANE	10.00	ND	9.70	13.1	97.0	131 #	50-130	29.8	30
1,2-DIBROMOETHANE	10.00	ND	10.3	11.7	103	117	70-130	12.7	30
1,2-DICHLOROBENZENE	10.00	ND	9.62	11.0	96.2	110	70-120	13.4	30
1,2-DICHLOROETHANE	10.00	ND	10.7	11.8	107	118	70-130	9.8	30
1,2-DICHLOROPROPANE	10.00	ND	9.64	10.9	96.4	109	75-125	12.3	30
1,3-DICHLOROBENZENE	10.00	ND	9.32	10.4	93.2	104	75-125	11.0	30
1,3-DICHLOROPROPENE, TOTAL	20.0	ND	21.4	21.4	107	107	70-130	0.0	30
1,4-DICHLOROBENZENE	10.00	ND	9.24	11.2	92.4	112	75-125	19.2	30
2-BUTANONE	10.00	ND	8.69	9.53	86.9	95.3	30-150	9.2	30
4-METHYL-2-PENTANONE	10.00	ND	9.19	9.84	91.9	98.4	60-135	6.8	30
ACETONE	10.00	ND	13.0	11.0	130	110	40-140	16.7	30
BENZENE	10.00	ND	9.62	9.92	96.2	99.2	80-120	3.1	30
BROMODICHLOROMETHANE	10.00	ND	10.4	10.8	104	108	75-120	3.8	30
BROMOFORM	10.00	ND	9.71	10.7	97.1	107	70-130	9.7	30
BROMOMETHANE	10.00	ND	4.13	5.11	41.3	51.1	30-145	21.2	30
CARBON TETRACHLORIDE	10.00	ND	8.40	8.37	84.0	83.7	65-140	0.36	30
CHLOROBENZENE	10.00	ND	9.60	10.8	96.0	108	80-120	11.8	30

= Recovery is outside QC limits.

Comments: ______

Primary	SPK	DUP
Quant Method :	S86ENVW.M	S86ENVW.M
Extraction Date :	1/25/11	1/25/11
Analysis Date :	1/25/11	1/25/11
Instrument :	Sweetpea	Sweetpea
Run :	0124S31	0124S32
Initials :	SV	

Printed: 2/24/11 3:56:00 PM
APPL MSD SCII

Matrix Spike Recoveries
EPA 8260B VOCs + Gas Water

APPL ID: **110125W-30411 MS - 151951**
Batch ID: #86RHB-110124AS
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
CHLORODIBROMOMETHANE	10.00	ND	9.66	11.4	96.6	114	60-135	16.5	30
CHLOROETHANE	10.00	ND	10.4	10.7	104	107	60-135	2.8	30
CHLOROFORM	10.00	ND	9.81	10.2	98.1	102	65-135	3.9	30
CHLOROMETHANE	10.00	ND	7.23	7.64	72.3	76.4	40-125	5.5	30
CIS-1,2-DICHLOROETHENE	10.00	ND	9.90	10.1	99.0	101	70-125	2.0	30
ETHYLBENZENE	10.00	0.25	8.98	9.96	87.3	97.1	75-125	10.3	30
GASOLINE	300	20	455	0	145 #	-6.7 #	75-125	200.0 #	30
HEXACHLOROBUTADIENE	10.00	ND	9.00	9.83	90.0	98.3	50-140	8.8	30
METHYL TERT-BUTYL ETHER	10.00	ND	9.24	8.91	92.4	89.1	65-125	3.6	30
METHYLENE CHLORIDE	10.00	ND	9.45	10.3	94.5	103	55-140	8.6	30
STYRENE	10.00	ND	9.69	10.5	96.9	105	65-135	8.0	30
TETRACHLOROETHENE	10.00	ND	7.87	8.86	78.7	88.6	45-150	11.8	30
TOLUENE	10.00	ND	9.28	9.81	92.8	98.1	75-120	5.6	30
TRANS-1,2-DICHLOROETHENE	10.00	ND	8.89	8.97	88.9	89.7	60-140	0.90	30
TRICHLOROETHENE	10.00	ND	8.99	9.22	89.9	92.2	70-125	2.5	30
VINYL CHLORIDE	10.00	ND	8.24	8.49	82.4	84.9	50-145	3.0	30
XYLENES (TOTAL)	30.0	0.58	27.0	30.9	88.1	101	80-120	13.5	30
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	NA	25.1	24.8	116	115	70-120		
SURROGATE: 4-BROMOFLUOROBENZE	25.5	NA	25.0	28.4	98.2	112	75-120		
SURROGATE: DIBROMOFLUOROMETH	22.9	NA	23.7	24.1	104	105	85-115		
SURROGATE: TOLUENE-D8 (S)	25.1	NA	21.4	24.4	85.3	97.2	85-120		

= Recovery is outside QC limits.

Comments: ______

Primary	SPK	DUP
Quant Method :	S86ENVW.M	S86ENVW.M
Extraction Date :	1/25/11	1/25/11
Analysis Date :	1/25/11	1/25/11
Instrument :	Sweetpea	Sweetpea
Run :	0124S31	0124S32
Initials :	SV	

Printed: 2/24/11 3:56:01 PM
APPL MSD SCII

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	63694
Case No:	63694	Date Analyzed:	1/25/11
Matrix:	WATER	Instrument:	Sweetpea
Blank ID:	110124AS-BLK	Time Analyzed:	0006

APPL ID.	Client Sample No.	File ID.	Date Analyzed
110124AS-LCS	Lab Control Spike	0124S17	1/24/11 2218
110124AS-BLK	Blank	0124S20	1/25/11 0006
AY30414	TRIP BLANK	0124S21	1/25/11 0042
AY30410	ES010	0124S24	1/25/11 0230
AY30411	ES011	0124S25	1/25/11 0306
AY30412	ES012	0124S26	1/25/11 0342
AY30413	ES013	0124S27	1/25/11 0418
110124AS-MS	Matrix Spike	0124S31	1/25/11 0642
110124AS-MSD	Matrix SpikeD	0124S32	1/25/11 0718

Comments: Batch: #86RHB-110124AS

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 63694
Matrix: Water
ID: 20uL/mL BFB Std 12-27-10B

SDG No: 63694
Date Analyzed: 1/24/11
Instrument: Sweetpea
Time Analyzed: 20:30

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Lab Control Spike	110124A LCS-1SW (SS)	0124S17W.D	1/24/11 22:18
2	Blank	110124A BLK-1SW	0124S20W.D	1/25/11 0:06
3	TRIP BLANK	AY30414W01	0124S21W.D	1/25/11 0:42
4	ES010	AY30410W01	0124S24W.D	1/25/11 2:30
5	ES011	AY30411W01	0124S25W.D	1/25/11 3:06
6	ES012	AY30412W01	0124S26W.D	1/25/11 3:42
7	ES013	AY30413W01	0124S27W.D	1/25/11 4:18
8	Matrix spike	AY30411W234 MS-1WS	0124S31W.D	1/25/11 6:42
9	Matrix spike dup	AY30411W234 MSD-1WS	0124S32W.D	1/25/11 7:18
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	18.5
75	30 - 60% of mass 95	40.4
95	100 - 100% of mass 95	100.0
96	5 - 9% of mass 95	6.3
173	0 - 2% of mass 174	0.0
174	50 - 100% of mass 95	86.3
175	5 - 9% of mass 174	8.0
176	95 - 101% of mass 174	95.5
177	5 - 9% of mass 176	6.6

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 63694
Matrix: Water
ID: 20uL/mL BFB Std 12-27-10B

SDG No: 63694
Date Analyzed: 1/26/11
Instrument: Sweetpea
Time Analyzed: 10:28

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		GAS 600ug/L (SS)	0126S11W.D	1/26/11 17:05
2	Blank	110126A BLK-1WS	0126S14W.D	1/26/11 18:53
3	TRIP BLANK	AY30414W02	0126S15W.D	1/26/11 19:29
4	ES012	AY30412W02	0126S16W.D	1/26/11 20:05
5	ES013	AY30413W02	0126S17W.D	1/26/11 20:41
6	ES010	AY30410W02	0126S18W.D	1/26/11 21:18
7	ES011	AY30411W05	0126S19W.D	1/26/11 21:54
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	19.6
75	30 - 60% of mass 95	45.1
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	86.0
175	5 - 9% of mass 174	7.7
176	95 - 101% of mass 174	97.3
177	5 - 9% of mass 176	6.1

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 0126S34W.D
Matrix: Water
ID: 20uL/mL BFB Std 12-27-10B

SDG No: Sweetpea
Date Analyzed: 1/27/11
Instrument: Sweetpea
Time Analyzed: 8:39

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Lab Control Spike	GAS 600ug/L STD LCS-	0126S35W.D	1/27/11 9:15
2	Matrix spike	AY30411W678 MS-1WS	0126S52W.D	1/27/11 19:27
3				
4				
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	17.4
75	30 - 60% of mass 95	40.9
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	86.8
175	5 - 9% of mass 174	7.2
176	95 - 101% of mass 174	97.1
177	5 - 9% of mass 176	6.3

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: SDG No.: 63694

Lab File ID (Standard): 0124S08W.D Date Analyzed: 01/24/11

Instrument ID: Sweetpea Time Analyzed: 15:06

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	113696	10.01	79160	15.05	80880	19.14
	UPPER LIMIT	227392	10.51	158320	15.55	161760	19.64
	LOWER LIMIT	56848	9.51	39580	14.55	40440	18.64
	SAMPLE NO.						
01	110124A LCS-1SW (SS	108064	10.01	71312	15.05	75271	19.14
02	110124A BLK-1SW	110280	10.01	70920	15.05	71566	19.14
03	AY30414W01	107280	10.01	69016	15.05	73271	19.14
04	AY30410W01	108472	10.01	67168	15.05	69917	19.14
05	AY30411W01	114680	10.00	71824	15.05	81824	19.14
06	AY30412W01	124128	10.01	86512	15.05	86962	19.14
07	AY30413W01	125488	10.01	84280	15.05	90403	19.15
08	AY30411W234 MS-1WS	140992	10.00	105192	15.05	110143	19.14
09	AY30411W234 MSD-1W	136832	10.01	93832	15.04	105590	19.14
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.: 63694

Lab File ID (Standard): 0126S08W.D Date Analyzed: 01/26/11

Instrument ID: Sweetpea Time Analyzed: 15:17

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	1103080		9.77		981147		14.80		886064		18.89	
	UPPER LIMIT	2206160		10.27		1962294		15.30		1772128		19.39	
	LOWER LIMIT	551540		9.27		490574		14.30		443032		18.39	
	SAMPLE NO.												
01	GAS 600ug/L (SS)	1068450		9.77		952977		14.80		825175		18.89	
02	110126A BLK-1WS	1054220		9.76		854851		14.81		775740		18.90	
03	AY30414W02	1052810		9.77		926110		14.80		761056		18.89	
04	AY30412W02	1014580		9.77		880353		14.80		784965		18.89	
05	AY30413W02	1054360		9.77		887118		14.80		793779		18.89	
06	AY30410W02	1004700		9.76		925789		14.80		831049		18.89	
07	AY30411W05	1010000		9.76		844057		14.80		770014		18.89	
08	GAS 600ug/L STD LCS-	752563		9.77		602708		14.82		528360		18.91	
09	AY30411W678 MS-1WS	808079		9.78		693909		14.81		578312		18.90	
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

EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES010
Sample Collection Date: 1/18/11

ARF: 63694
APPL ID: AY30410
QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/25/11	1/25/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/25/11	1/25/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/25/11	1/25/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/25/11	1/25/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/25/11	1/25/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/25/11	1/25/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	ETHYLBENZENE	0.29 J	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	GASOLINE	17 ++J	20.0	12.12	6.06	ug/L	1/25/11	1/25/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/25/11	1/25/11

J = Estimated value.
++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method:	S86ENVW.M
Run #:	0124S24
Instrument:	Sweetpea
Sequence:	S110124
Dilution Factor:	1
Initials:	SV

Printed: 2/24/11 9:44:51 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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES010
Sample Collection Date: 1/18/11

ARF: 63694
APPL ID: AY30410
QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/25/11	1/25/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	XYLENES (TOTAL)	0.48 J	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	109	70-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	114	75-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	101	85-115			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	106	85-120			%	1/25/11	1/25/11

J = Estimated value.
++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: S86ENVW.M
Run #: 0124S24
Instrument: Sweetpea
Sequence: S110124
Dilution Factor: 1
Initials: SV

Printed: 2/24/11 9:44:51 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File	: M:\SWEETPEA\DATA\S110124\0124S24W.D	Vial:	24
Acq On	: 25 Jan 11 2:30	Operator:	GM
Sample	: AY30410W01	Inst :	Sweetpea
Misc	: Water 5mL w/IS&S: 01-17-11	Multiplr:	1.00

Quant Time: Jan 26 9:17 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	108472	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	67168	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	69917	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	60376	23.10697 ppb	0.00
Spiked Amount 22.854			Recovery	= 101.109%	
23) 1,2-DCA-D4(S)	9.42	65	29597	23.50142 ppb	0.00
Spiked Amount 21.589			Recovery	= 108.856%	
36) Toluene-D8(S)	12.59	98	266351	26.55109 ppb	-0.01
Spiked Amount 25.102			Recovery	= 105.774%	
44) 4-Bromofluorobenzene(S)	17.10	95	69200	29.00782 ppb	0.00
Spiked Amount 25.458			Recovery	= 113.943%	

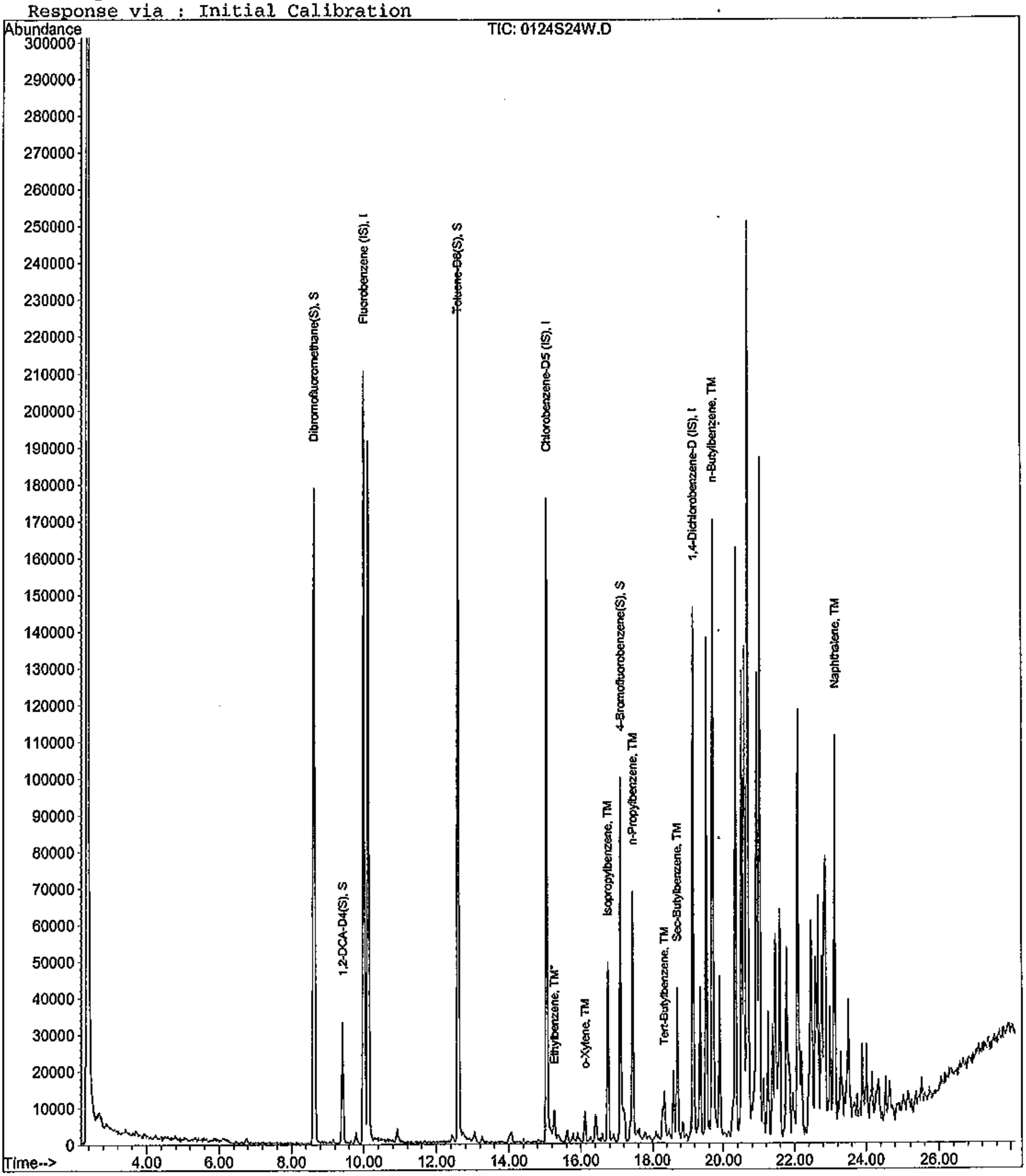
Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
42) o-Xylene	16.13	106	1983	0.48150 ppb ✓	79
49) Ethylbenzene	15.26	91	3730	0.28774 ppb ✓	99
53) Isopropylbenzene	16.75	105	54979	4.18028 ppb N·T	98
58) n-Propylbenzene	17.45	91	94547	6.01666 ppb	99
62) Tert-Butylbenzene	18.32	119	10194	0.97900 ppb	94
64) Sec-Butylbenzene	18.71	105	51347	3.52262 ppb	98
68) n-Butylbenzene	19.68	91	51235	5.18545 ppb #	69
73) Naphthalene	23.12	128	126648	103.51047 ppb N·T	98

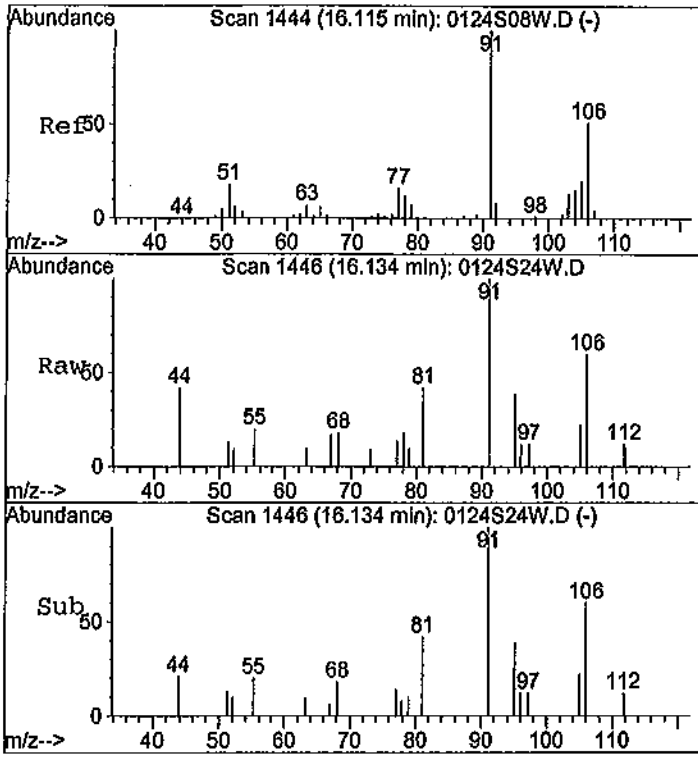
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110124\0124S24W.D   Vial: 24
Acq On   : 25 Jan 11   2:30   Operator: GM
Sample   : AY30410W01   Inst   : Sweetpea
Misc   : Water 5mL w/IS&S: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:17 2011   Quant Results File: S86ENVW.RES

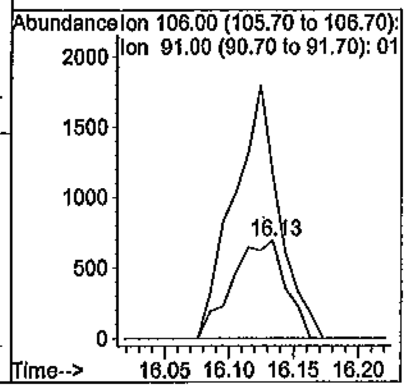
Method   : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title   : METHOD 8260B
Last Update   : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration

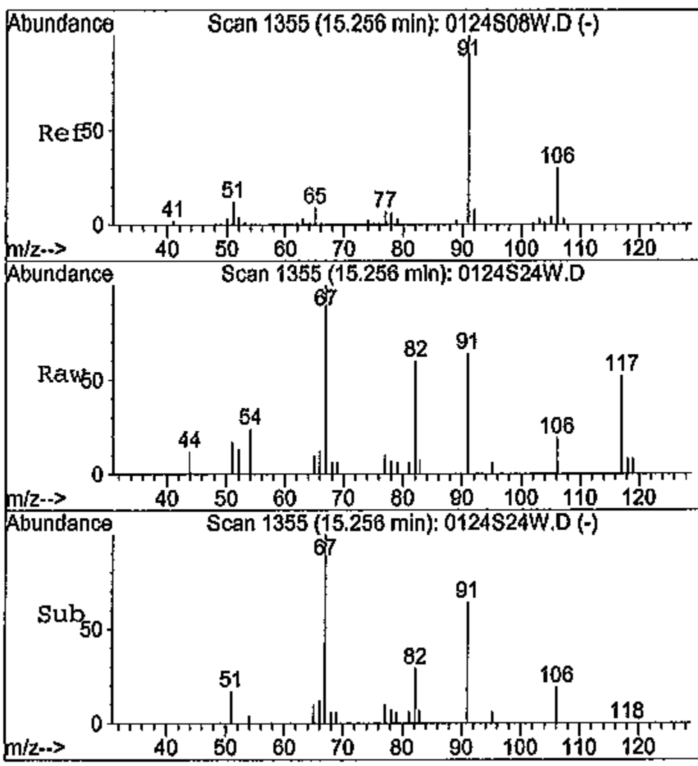




#42
o-Xylene
Concen: 0.48150 ppb
RT: 16.13 min Scan# 1446
Delta R.T. 0.02 min
Lab File: 0124S24W.D
Acq: 25 Jan 11 2:30

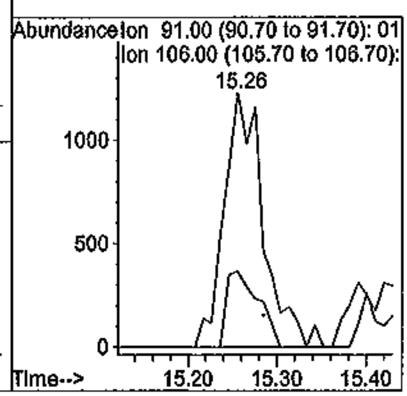
Tgt	Ion:106	Resp:	1983
Ion	Ratio	Lower	Upper
106	100		
91	166.5	138.5	257.3





#49
Ethylbenzene
Concen: 0.28774 ppb
RT: 15.26 min Scan# 1355
Delta R.T. -0.00 min
Lab File: 0124S24W.D
Acq: 25 Jan 11 2:30

Tgt	Ion: 91	Resp:	3730
Ion	Ratio	Lower	Upper
91	100		
106	29.7	21.3	39.5



Quantitation Report (QT Reviewed)

Data File	: M:\SWEETPEA\DATA\S110126\0126S18W.D	Vial:	18
Acq On	: 26 Jan 11 21:18	Operator:	GM
Sample	: AY30410W02	Inst :	Sweetpea
Misc	: Water 10mL w/IS: 01-17-11	Multiplr:	1.00

Quant Time: Feb 14 13:52 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.76	TIC	1004696	25.00000 ppb	-0.01
4) Chlorobenzene-D5 (IS)	14.80	TIC	925789	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	831049	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.38	TIC	3046305	24.26960 ppb	-0.01
Spiked Amount 24.523				Recovery = 98.968%	
5) Toluene-D8(S)	12.35	TIC	2880793	23.74298 ppb	0.00
Spiked Amount 23.425				Recovery = 101.357%	
6) 4-Bromofluorobenzene(S)	16.84	TIC	1535919	26.08811 ppb	0.00
Spiked Amount 23.162				Recovery = 112.630%	
Target Compounds					Qvalue
2) Gasoline	12.35	TIC	18087678m	17.33711 ppb	100

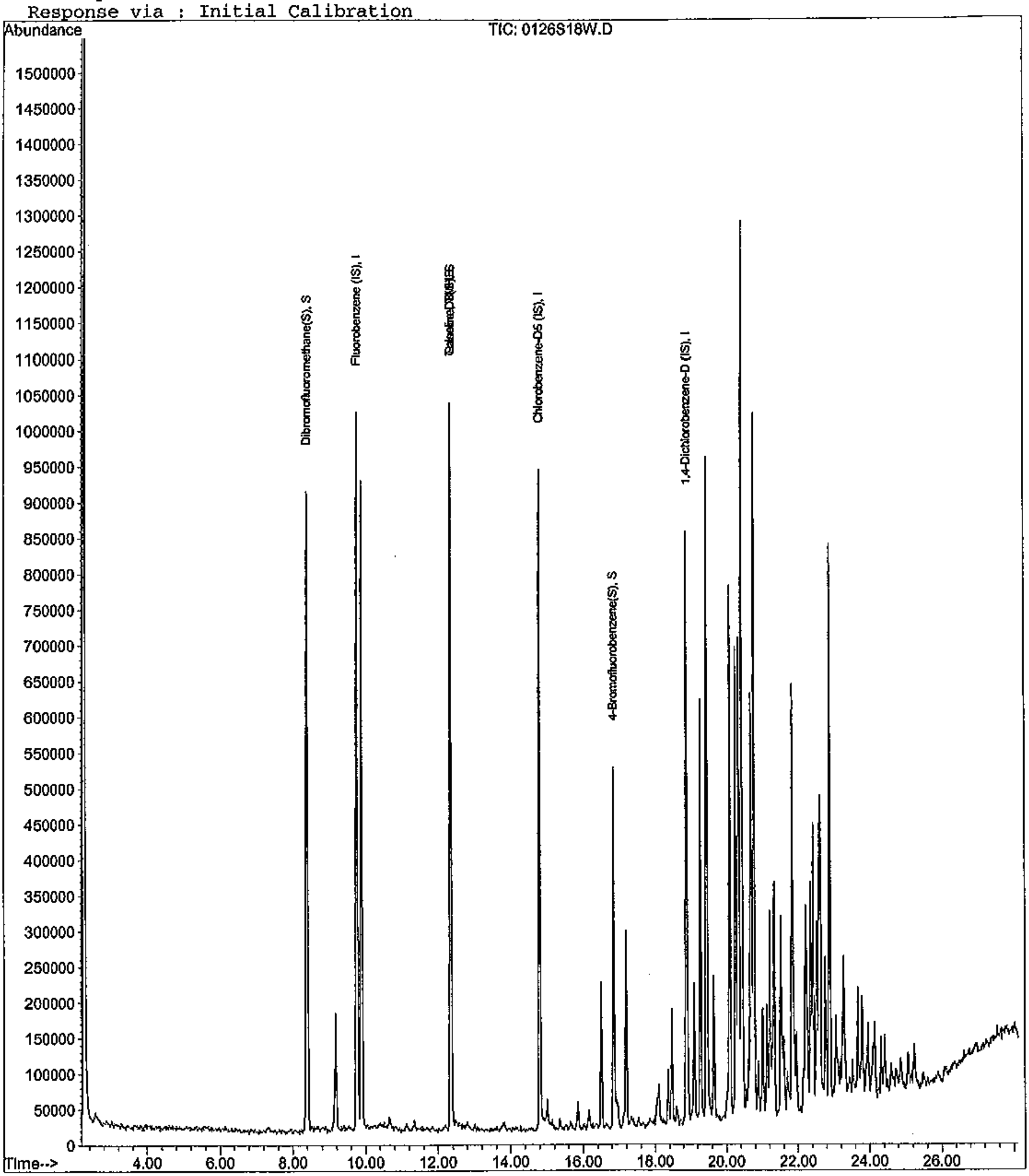
(#) = qualifier out of range (m) = manual integration

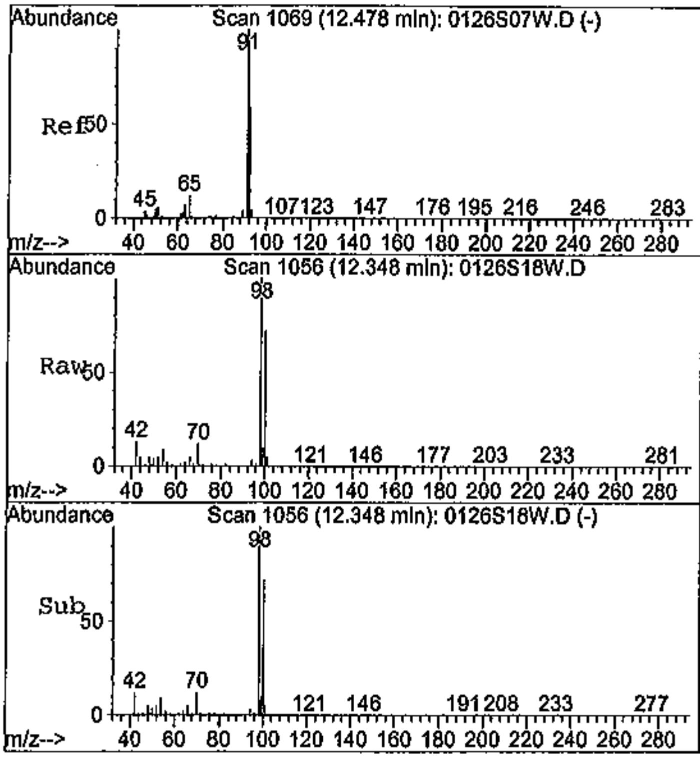
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S18W.D Vial: 18
Acq On : 26 Jan 11 21:18 Operator: GM
Sample : AY30410W02 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 13:52 2011 Quant Results File: SGAS.RES

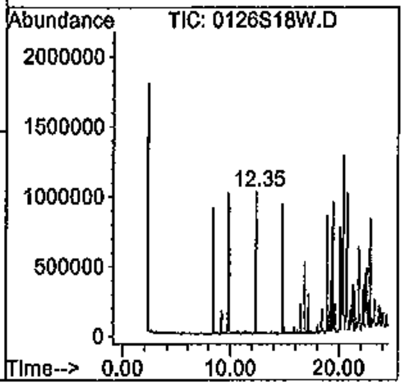
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration





#2
Gasoline
Concen: 17.33711 ppb m
RT: 12.35 min Scan# 1056
Delta R.T. -0.13 min
Lab File: 0126S18W.D
Acq: 26 Jan 11 21:18

Tgt Ion:TIC Resp:18087678



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES011
Sample Collection Date: 1/18/11

ARF: 63694
APPL ID: AY30411
QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/25/11	1/25/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/25/11	1/25/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/25/11	1/25/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/25/11	1/25/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/25/11	1/25/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/25/11	1/25/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	ETHYLBENZENE	0.25 J	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	GASOLINE	20 ++	20.0	12.12	6.06	ug/L	1/25/11	1/25/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/25/11	1/25/11

J = Estimated value.
++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method: S86ENVW.M
Run #: 0124S25
Instrument: Sweetpea
Sequence: S110124
Dilution Factor: 1
Initials: SV

Printed: 2/24/11 9:44:51 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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES011
Sample Collection Date: 1/18/11

ARF: 63694
APPL ID: AY30411
QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/25/11	1/25/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	XYLENES (TOTAL)	0.58 J	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	103	70-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	110	75-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	97.8	85-115			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	106	85-120			%	1/25/11	1/25/11

J = Estimated value.
++(G3) The analyst has noted that the chromatogram of this sample includes higher boiling hydrocarbons.

Quant Method:	S86ENVW.M
Run #:	0124S25
Instrument:	Sweetpea
Sequence:	S110124
Dilution Factor:	1
Initials:	SV

Printed: 2/24/11 9:44:51 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S25W.D Vial: 25
Acq On : 25 Jan 11 3:06 Operator: GM
Sample : AY30411W01 Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:18 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.00	96	114680	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	71824	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	81824	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	61734	22.34771 ppb	0.00
Spiked Amount 22.854			Recovery =	97.788%	
23) 1,2-DCA-D4(S)	9.41	65	29569	22.20819 ppb	0.00
Spiked Amount 21.589			Recovery =	102.867%	
36) Toluene-D8(S)	12.60	98	284413	26.51370 ppb	0.00
Spiked Amount 25.102			Recovery =	105.626%	
44) 4-Bromofluorobenzene(S)	17.10	95	71293	27.94787 ppb	0.00
Spiked Amount 25.458			Recovery =	109.779%	

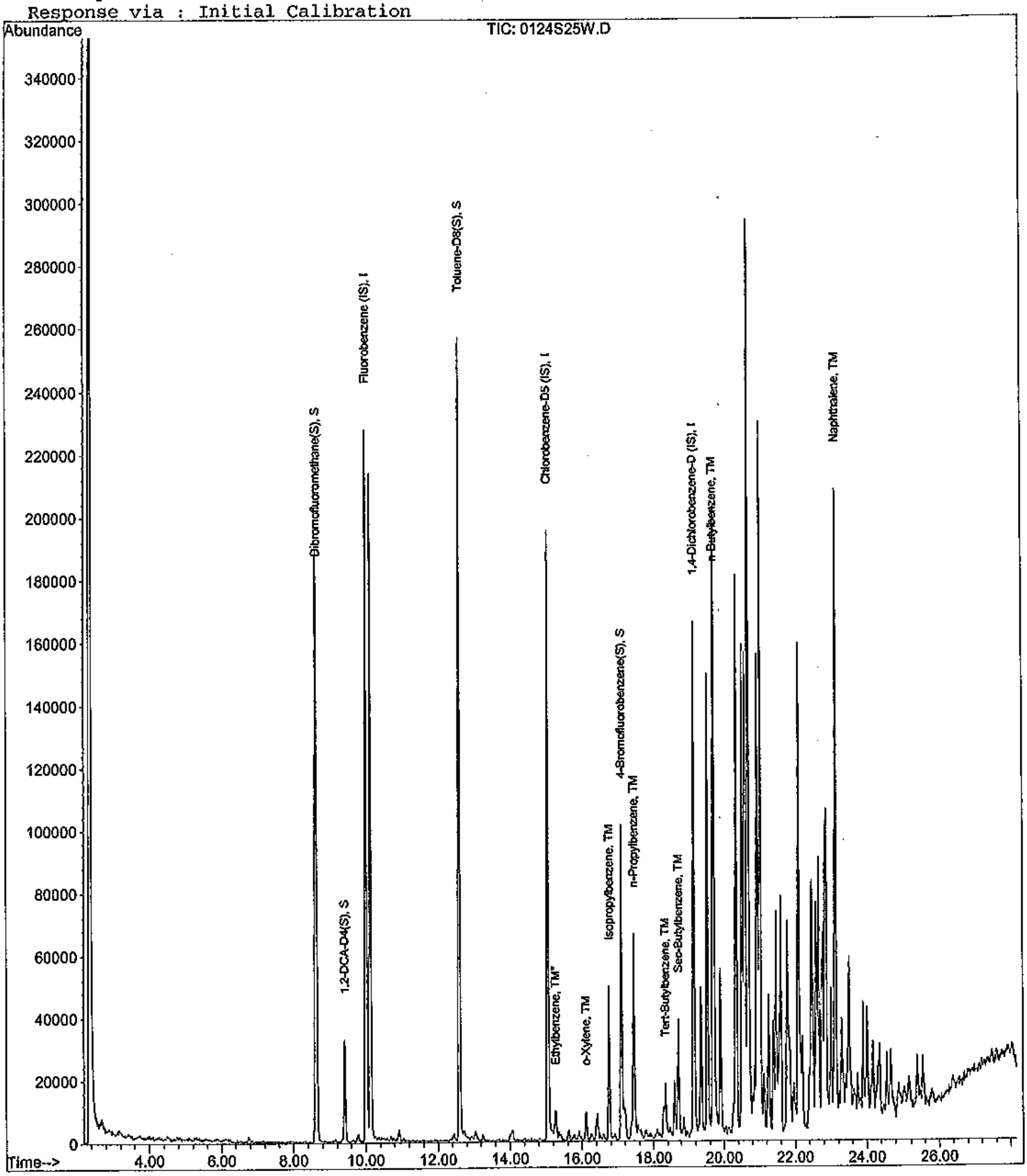
Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
42) o-Xylene	16.12	106	2575	0.58472 ppb	✓	68
49) Ethylbenzene	15.25	91	3478	0.25091 ppb	✓	84
53) Isopropylbenzene	16.76	105	58236	3.78357 ppb	N.1	98
58) n-Propylbenzene	17.44	91	96653	5.25564 ppb		95
62) Tert-Butylbenzene	18.33	119	11443	0.93903 ppb		98
64) Sec-Butylbenzene	18.72	105	48916	2.86751 ppb		99
68) n-Butylbenzene	19.67	91	55478	4.79781 ppb	#	66
73) Naphthalene	23.12	128	248886	173.81549 ppb	✓	99

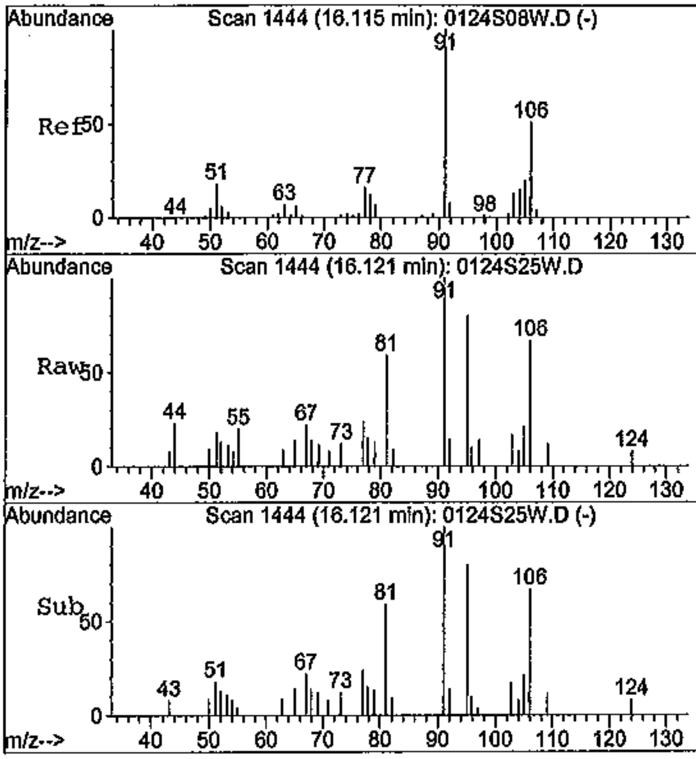
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110124\0124S25W.D Vial: 25
Acq On : 25 Jan 11 3:06 Operator: GM
Sample : AY30411W01 Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:18 2011 Quant Results File: S86ENVW.RES

Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration

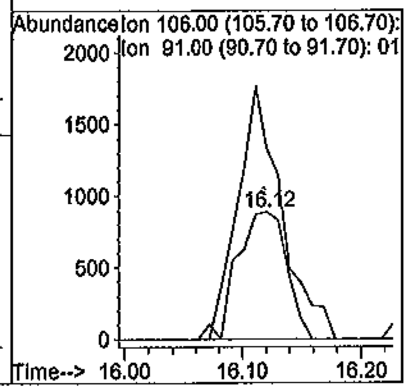


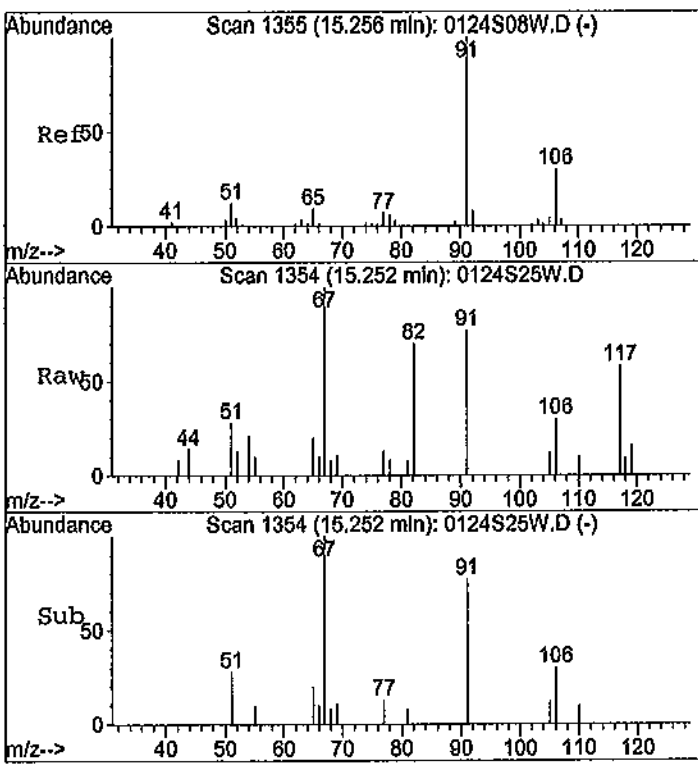


#42
o-Xylene
Concen: 0.58472 ppb
RT: 16.12 min Scan# 1444
Delta R.T. 0.01 min
Lab File: 0124S25W.D
Acq: 25 Jan 11 3:06

Tgt Ion:106 Resp: 2575

Ion	Ratio	Lower	Upper
106	100		
91	149.6	138.5	257.3

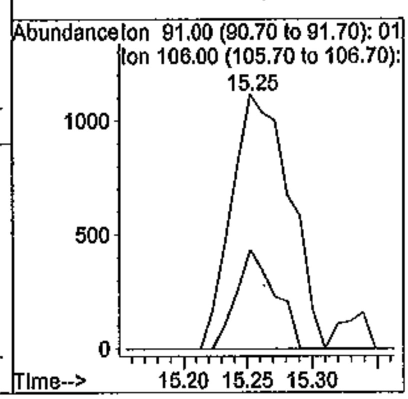




#49
Ethylbenzene
Concen: 0.25091 ppb
RT: 15.25 min Scan# 1354
Delta R.T. -0.00 min
Lab File: 0124S25W.D
Acq: 25 Jan 11 3:06

Tgt Ion: 91 Resp: 3478

Ion	Ratio	Lower	Upper
91	100		
106	38.9	21.3	39.5



Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S19W.D Vial: 19
Acq On : 26 Jan 11 21:54 Operator: GM
Sample : AY30411W05 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 14:03 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.76	TIC	1009999	25.00000 ppb	-0.01
4) Chlorobenzene-D5 (IS)	14.80	TIC	844057	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	770014	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	2831784	22.44207 ppb	0.00
Spiked Amount 24.523				Recovery = 91.514%	
5) Toluene-D8(S)	12.35	TIC	2912322	26.32709 ppb	0.00
Spiked Amount 23.425				Recovery = 112.388%	
6) 4-Bromofluorobenzene(S)	16.84	TIC	1472671	27.43597 ppb	0.00
Spiked Amount 23.162				Recovery = 118.450%	
Target Compounds					Qvalue
2) Gasoline	12.35	TIC	18472281m	20.44415 ppb	100

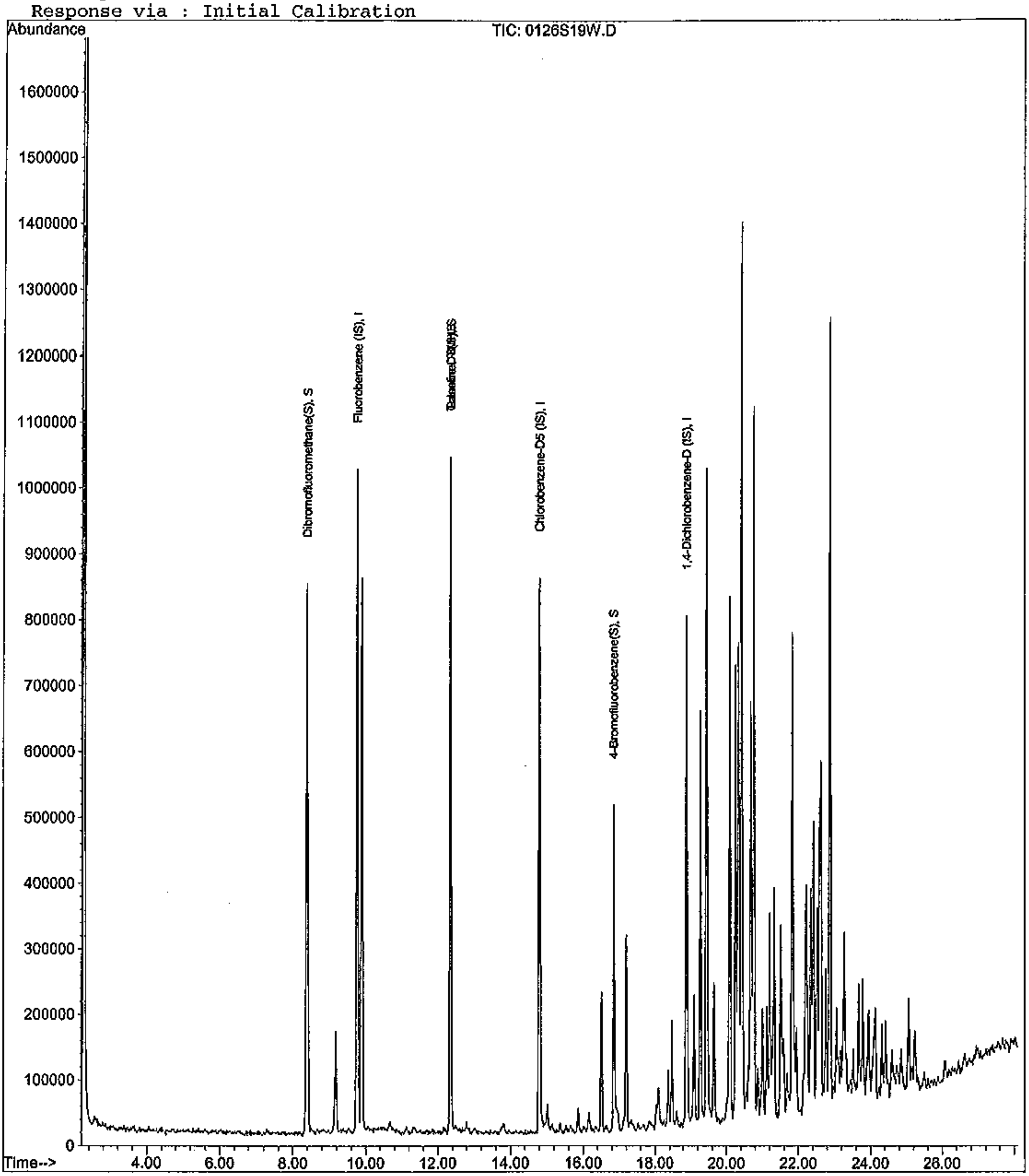
(#) = qualifier out of range (m) = manual integration

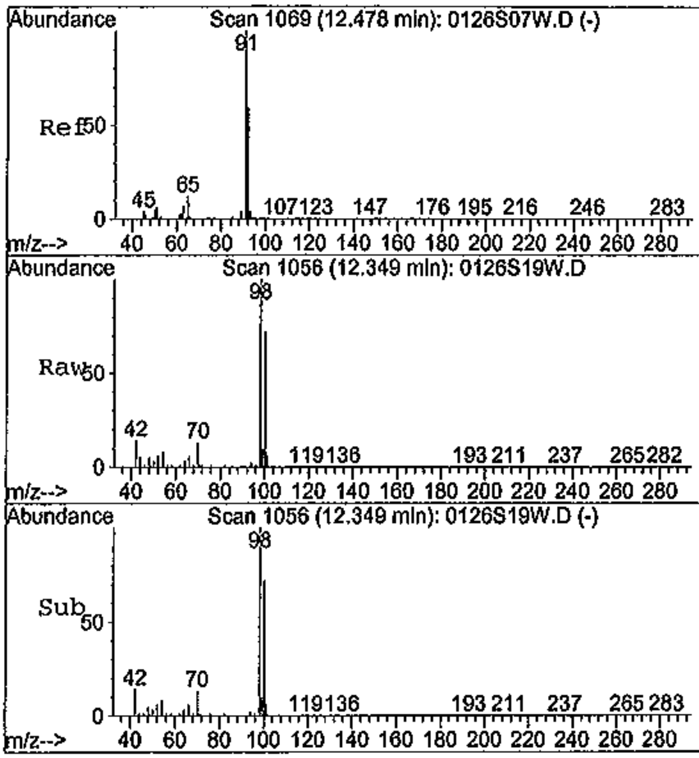
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S19W.D Vial: 19
Acq On : 26 Jan 11 21:54 Operator: GM
Sample : AY30411W05 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 14:03 2011 Quant Results File: SGAS.RES

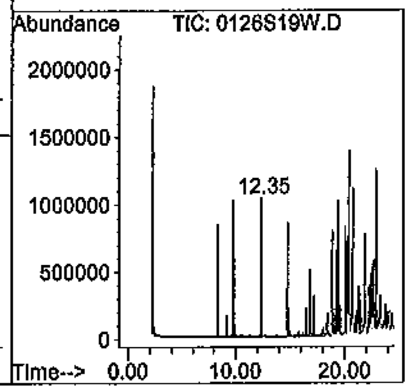
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration





#2
Gasoline
Concen: 20.44415 ppb m
RT: 12.35 min Scan# 1056
Delta R.T. -0.13 min
Lab File: 0126S19W.D
Acq: 26 Jan 11 21:54

Tgt Ion:TIC Resp:18472281



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: ES012

APPL ID: AY30412

Sample Collection Date: 1/19/11

QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/25/11	1/25/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/25/11	1/25/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/25/11	1/25/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/25/11	1/25/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/25/11	1/25/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/25/11	1/25/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/25/11	1/25/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/25/11	1/25/11

Quant Method: S86ENVW.M
Run #: 0124S26
Instrument: Sweetpea
Sequence: S110124
Dilution Factor: 1
Initials: SV

Printed: 2/24/11 9:44:52 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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES012
Sample Collection Date: 1/19/11

ARF: 63694
APPL ID: AY30412
QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/25/11	1/25/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	110	70-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	96.5	75-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	100	85-115			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	95.6	85-120			%	1/25/11	1/25/11

Quant Method:	S86ENVW.M
Run #:	0124S26
Instrument:	Sweetpea
Sequence:	S110124
Dilution Factor:	1
Initials:	SV

Printed: 2/24/11 9:44:52 AM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S26W.D   Vial: 26
Acq On : 25 Jan 11 3:42   Operator: GM
Sample : AY30412W01   Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:19 2011   Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	124128	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	86512	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	86962	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	68475	22.90122 ppb	0.00
Spiked Amount 22.854			Recovery =	100.208%	
23) 1,2-DCA-D4(S)	9.42	65	34180	23.71737 ppb	0.00
Spiked Amount 21.589			Recovery =	109.856%	
36) Toluene-D8(S)	12.59	98	309924	23.98664 ppb	0.00
Spiked Amount 25.102			Recovery =	95.559%	
44) 4-Bromofluorobenzene(S)	17.10	95	75472	24.56297 ppb	0.00
Spiked Amount 25.458			Recovery =	96.483%	

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
58) n-Propylbenzene	17.45	91	5151	0.26354 ppb	N.I. 99
68) n-Butylbenzene	19.69	91	6776	0.55137 ppb #	75
73) Naphthalene	23.13	128	117127	76.96552 ppb	100

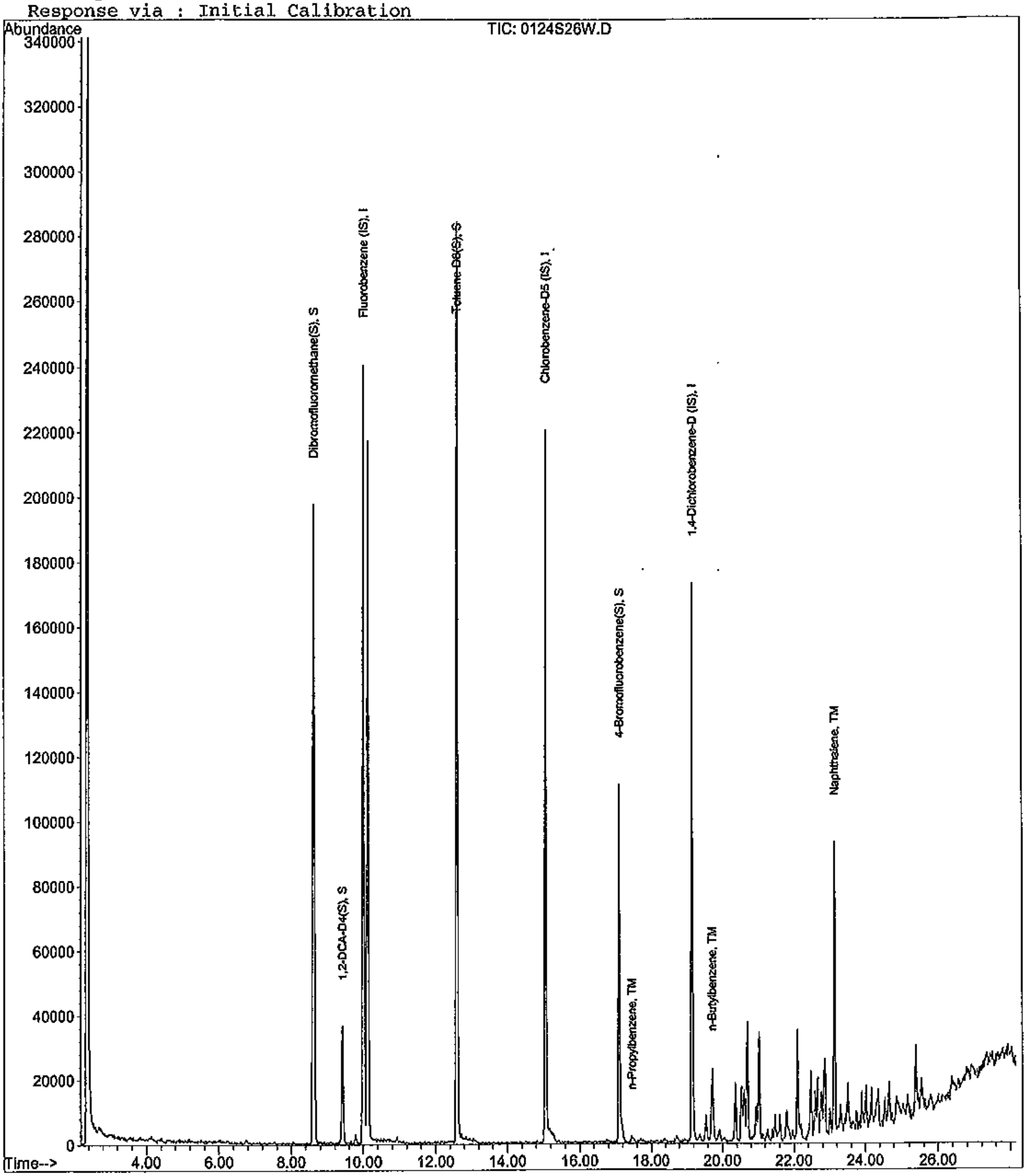
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S26W.D        Vial: 26
Acq On    : 25 Jan 11   3:42                       Operator: GM
Sample    : AY30412W01                             Inst    : Sweetpea
Misc      : Water 5mL w/IS&S: 01-17-11             Multiplr: 1.00

Quant Time: Jan 26  9:19 2011            Quant Results File: S86ENVW.RES

Method        : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Wed Jan 26 09:10:39 2011
Response via  : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S16W.D   Vial: 16
Acq On : 26 Jan 11 20:05   Operator: GM
Sample : AY30412W02   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 14 10:34 2011   Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1014583	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	880353	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	784965	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3017491	23.80577 ppb	0.00
Spiked Amount 24.523				Recovery = 97.076%	
5) Toluene-D8(S)	12.35	TIC	2863407	24.81770 ppb	0.00
Spiked Amount 23.425				Recovery = 105.946%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1360631	24.30356 ppb	0.00
Spiked Amount 23.162				Recovery = 104.928%	

Target Compounds   Qvalue

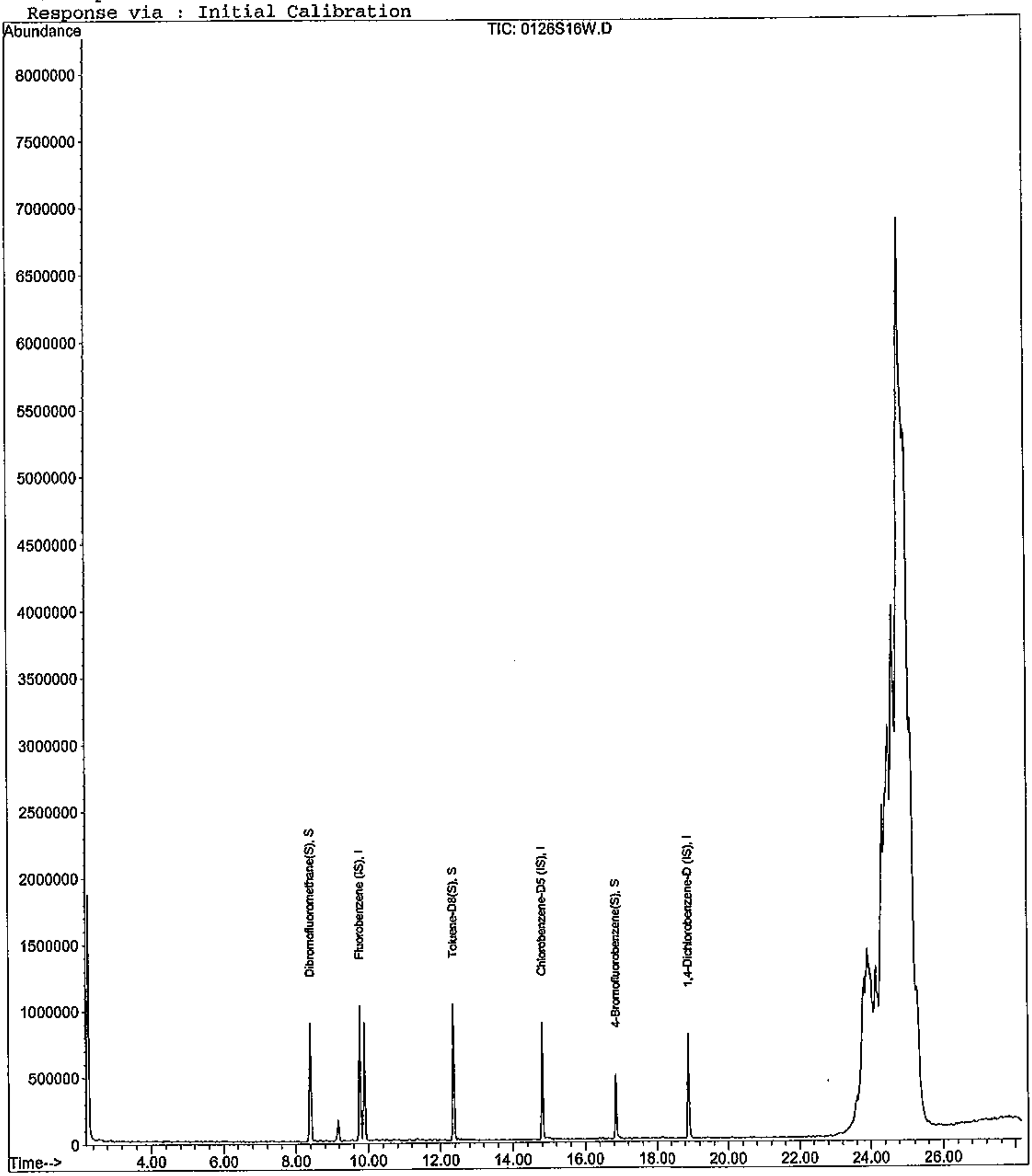
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S16W.D          Vial: 16
Acq On    : 26 Jan 11  20:05                         Operator: GM
Sample    : AY30412W02                               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 10:34 2011            Quant Results File: SGAS.RES

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Initial Calibration
```



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: ES013

APPL ID: AY30413

Sample Collection Date: 1/19/11

QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/25/11	1/25/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/25/11	1/25/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/25/11	1/25/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/25/11	1/25/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/25/11	1/25/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/25/11	1/25/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/25/11	1/25/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/25/11	1/25/11

Quant Method:	S86ENVW.M
Run #:	0124S27
Instrument:	Sweetpea
Sequence:	S110124
Dilution Factor:	1
Initials:	SV

Printed: 2/24/11 9:44:52 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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: ES013

APPL ID: AY30413

Sample Collection Date: 1/19/11

QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/25/11	1/25/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	108	70-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	103	75-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	101	85-115			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.0	85-120			%	1/25/11	1/25/11

Quant Method:	S86ENVW.M
Run #:	0124S27
Instrument:	Sweetpea
Sequence:	S110124
Dilution Factor:	1
Initials:	SV

Printed: 2/24/11 9:44:52 AM

APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S27W.D Vial: 27
Acq On : 25 Jan 11 4:18 Operator: GM
Sample : AY30413W01 Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:20 2011 Quant Results File; S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	125488	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	84280	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.15	152	90403	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	69958	23.14363 ppb	0.00
Spiked Amount 22.854			Recovery =	101.271%	
23) 1,2-DCA-D4(S)	9.41	65	33911	23.27569 ppb	0.00
Spiked Amount 21.589			Recovery =	107.814%	
36) Toluene-D8(S)	12.59	98	309696	24.60377 ppb	0.00
Spiked Amount 25.102			Recovery =	98.017%	
44) 4-Bromofluorobenzene(S)	17.10	95	78441	26.20535 ppb	0.00
Spiked Amount 25.458			Recovery =	102.933%	
Target Compounds					Qvalue
68) n-Butylbenzene	19.68	91	2589	0.20265 ppb	#N 82
73) Naphthalene	23.13	128	15431	9.75394 ppb	95

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S27W.D          Vial: 27
Acq On    : 25 Jan 11   4:18                          Operator: GM
Sample    : AY30413W01                                Inst    : Sweetpea
Misc      : Water 5mL w/IS&S: 01-17-11                Multiplr: 1.00

Quant Time: Jan 26  9:20 2011             Quant Results File: S86ENVW.RES

Method       : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
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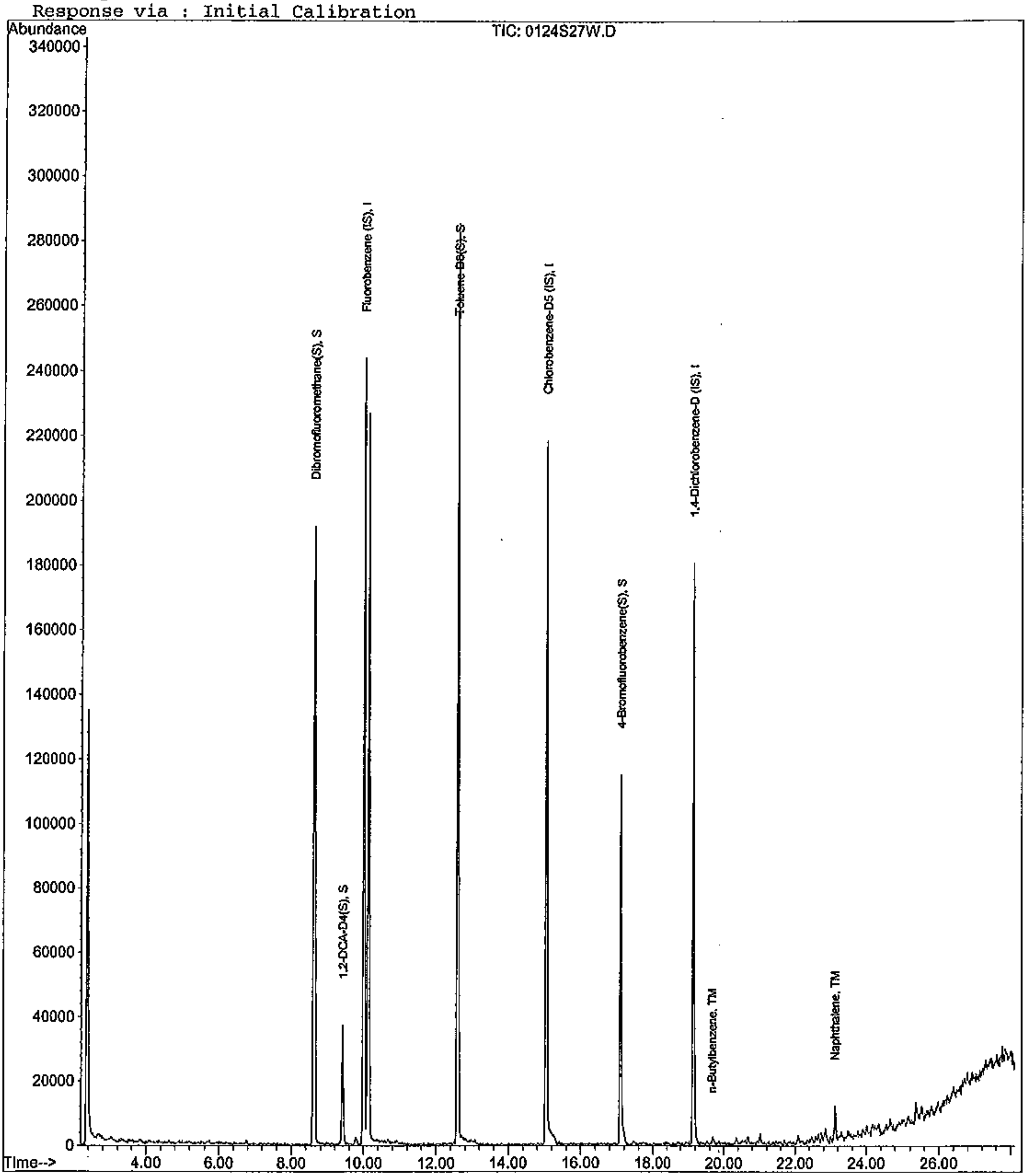


Quantitation Report (QT Reviewed)

Data File	: M:\SWEETPEA\DATA\S110126\0126S17W.D	Vial:	17
Acq On	: 26 Jan 11 20:41	Operator:	GM
Sample	: AY30413W02	Inst :	Sweetpea
Misc	: Water 10mL w/IS: 01-17-11	Multiplr:	1.00

Quant Time: Feb 14 10:34 2011   Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1054364	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	887118	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	793779	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3054552	23.18893 ppb	0.00
Spiked Amount 24.523			Recovery	= 94.560%	
5) Toluene-D8(S)	12.35	TIC	2824954	24.29770 ppb	0.00
Spiked Amount 23.425			Recovery	= 103.726%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1366983	24.23082 ppb	0.00
Spiked Amount 23.162			Recovery	= 104.613%	

Target Compounds Qvalue

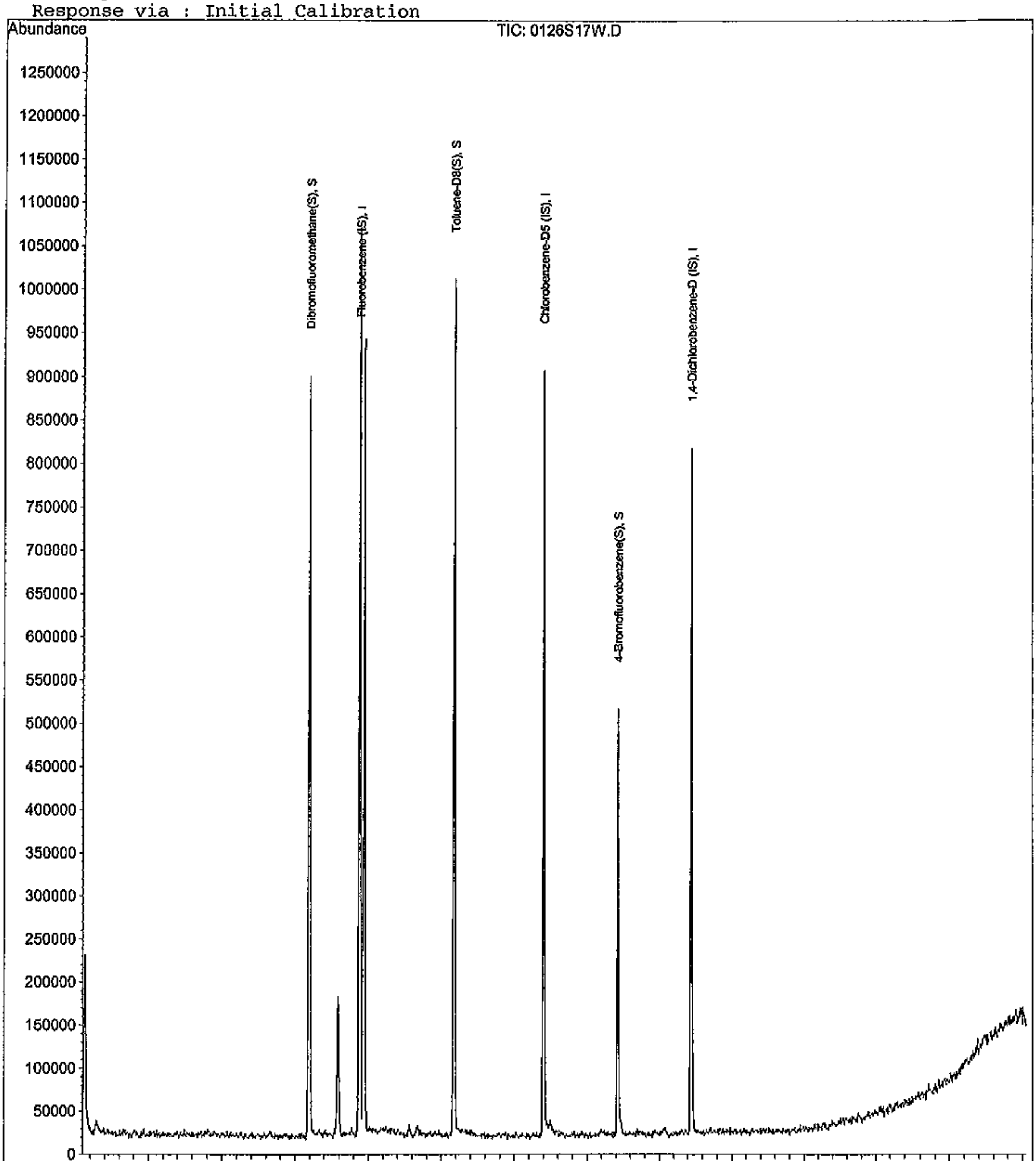
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S17W.D Vial: 17
Acq On : 26 Jan 11 20:41 Operator: GM
Sample : AY30413W02 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:34 2011 Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: TRIP BLANK
Sample Collection Date: No Date Specified

ARF: 63694
APPL ID: AY30414
QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/25/11	1/25/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/25/11	1/25/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/25/11	1/25/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/25/11	1/25/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/25/11	1/25/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/25/11	1/25/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/25/11	1/25/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/25/11	1/25/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/25/11	1/25/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/25/11	1/25/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/25/11	1/25/11

Quant Method: S86ENVW.M
Run #: 0124S21
Instrument: Sweetpea
Sequence: S110124
Dilution Factor: 1
Initials: SV

Printed: 2/24/11 9:44:52 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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: TRIP BLANK

APPL ID: AY30414

Sample Collection Date: No Date Specified

QCG: #86RHB-110124AS-151951

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	1/25/11	1/25/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/25/11	1/25/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	115	70-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	108	75-120			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	105	85-115			%	1/25/11	1/25/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	107	85-120			%	1/25/11	1/25/11

Quant Method:	S86ENVW.M
Run #:	0124S21
Instrument:	Sweetpea
Sequence:	S110124
Dilution Factor:	1
Initials:	SV

Printed: 2/24/11 9:44:52 AM

APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S21W.D Vial: 21
Acq On : 25 Jan 11 00:42 Operator: GM
Sample : AY30414W01 Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:16 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	107280	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	69016	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	73271	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	62064	24.01692 ppb	0.00
Spiked Amount 22.854			Recovery	= 105.091%	
23) 1,2-DCA-D4(S)	9.41	65	30996	24.88577 ppb	0.00
Spiked Amount 21.589			Recovery	= 115.271%	
36) Toluene-D8(S)	12.59	98	276968	26.87016 ppb	0.00
Spiked Amount 25.102			Recovery	= 107.045%	
44) 4-Bromofluorobenzene(S)	17.10	95	67095	27.37233 ppb	0.00
Spiked Amount 25.458			Recovery	= 107.516%	

Target Compounds Qvalue

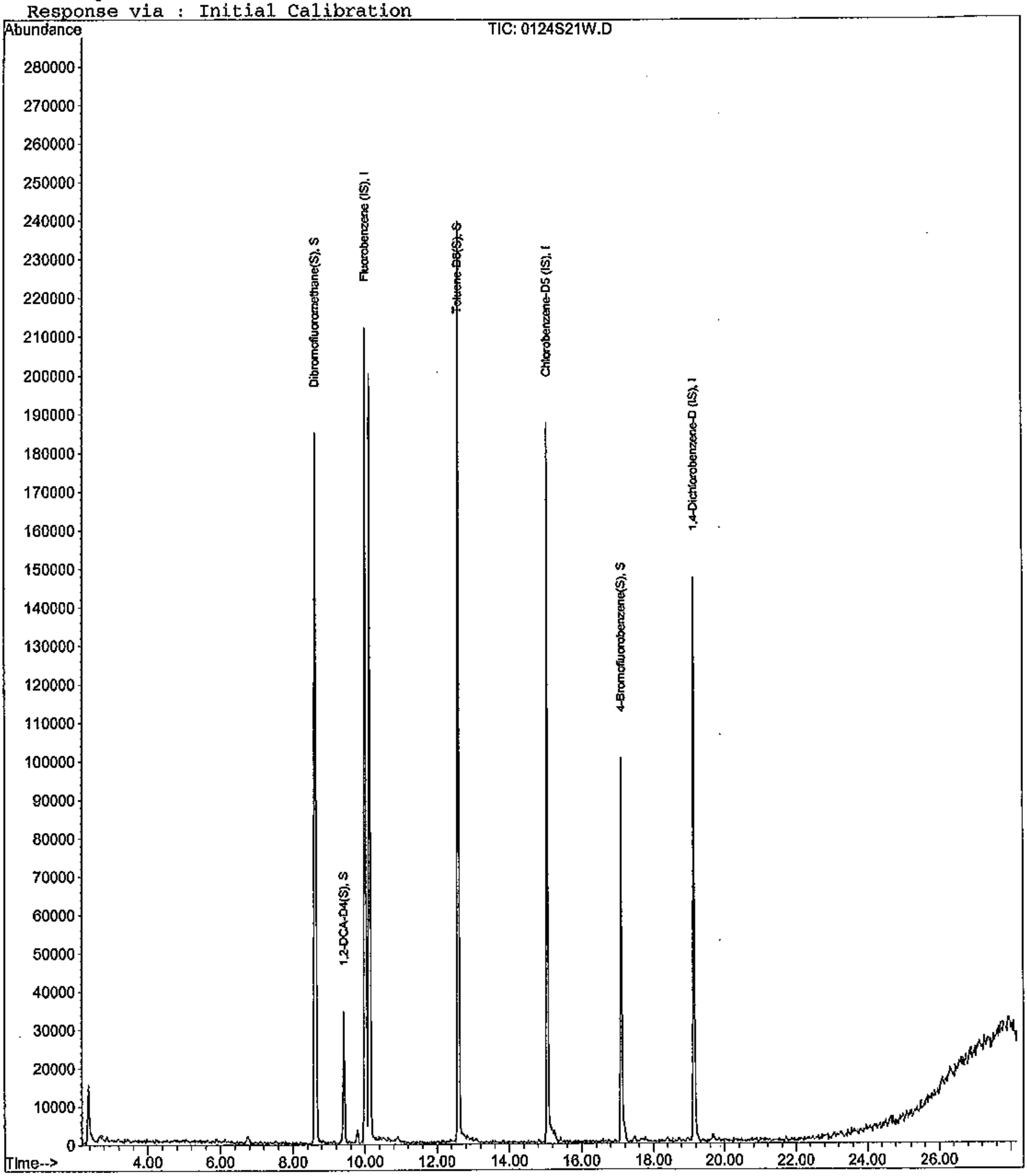
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110124\0124S21W.D Vial: 21
Acq On : 25 Jan 11 00:42 Operator: GM
Sample : AY30414W01 Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:16 2011 Quant Results File: S86ENVW.RES

Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S15W.D
Acq On : 26 Jan 11 19:29
Sample : AY30414W02
Misc : Water 10mL w/IS: 01-17-11

Vial: 15
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Feb 14 10:34 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1052810	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	926110	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	761056	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3075735	23.38421 ppb	0.00
Spiked Amount 24.523				Recovery = 95.355%	
5) Toluene-D8(S)	12.35	TIC	2871077	23.65470 ppb	0.00
Spiked Amount 23.425				Recovery = 100.981%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1405251	23.86040 ppb	0.00
Spiked Amount 23.162				Recovery = 103.011%	

Target Compounds Qvalue

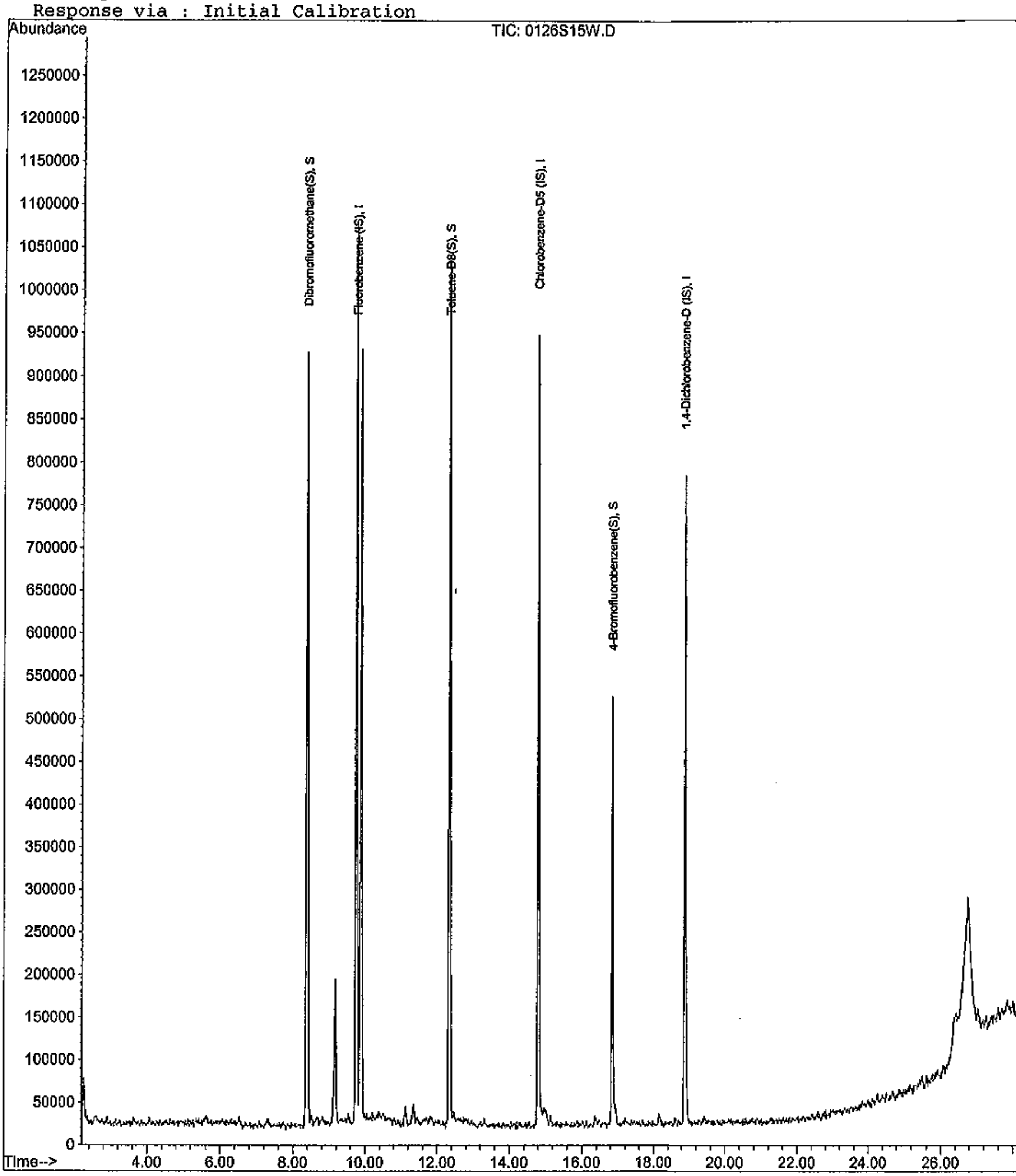
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S15W.D   Vial: 15
Acq On : 26 Jan 11 19:29   Operator: GM
Sample : AY30414W02   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 14 10:34 2011   Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



EPA METHOD 8260B
Volatile Organic Compounds
Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 63694
Case No: Initial Cal. Date: 1/24/11
Matrix: Instrument: Sweetpea Initials:

			0124S05W.D	0124S06W.D	0124S07W.D	0124S08W.D	0124S09W.D	0124S10W.D	0124S11W.D	0124S12W.D						
		Compound	0.5	1	5	10	20	40	100	200			Avg	%RSD		
1	I	Fluorobenzene (IS)	ISTD													
2	TM	Dichlorodifluoromethane	0.3786	0.3606	0.3408	0.3661	0.3969	0.4037	0.4182	0.4272			0.39	7.8	TM	
3	TM**	Chloromethane	1.836	1.790	1.760	1.821	1.816	1.786	1.861	1.891			1.8	2.3	TM**	
4	TM*	Vinyl chloride	0.4775	0.4197	0.4120	0.4090	0.3841	0.3467	0.4392	0.4313			0.41	9.3	TM*	
5	TM	Bromomethane	0.2691	0.1719	0.2125	0.1908	0.2059	0.1961	0.2187	0.2268			0.21	14	TM	
6	TM	Chloroethane	0.6991	0.7162	0.7682	0.7970	0.8134	0.7620	0.8171	0.8176			0.77	6.0	TM	
7	TM	Trichlorofluoromethane	0.9753	1.031	1.099	1.208	1.243	1.217	1.295	1.313			1.2	11	TM	
8	TM	Acetone			0.0455	0.0453	0.0390	0.0369	0.0431	0.0405			0.04	8.4	TM	
9	TM*	1,1-DCE	0.8992	0.8264	0.7823	0.7734	0.8014	0.7891	0.8140	0.8266			0.81	4.9	TM*	
10	TM	Methylene chloride	0.4116	0.3763	0.4846	0.4713	0.4775	0.4679	0.4780	0.4825			0.46	8.8	TM	
11	TM	Carbon disulfide	3.636	3.408	3.513	3.643	3.635	3.540	3.676	3.653			3.6	2.6	TM	
12	TM	Methyl t-butyl ether (MtBE)	0.6011	0.5550	0.6164	0.6197	0.6195	0.6429	0.6621	0.6490			0.62	5.4	TM	
13	TM	Trans-1,2-DCE	0.8223	0.7790	0.8082	0.8026	0.8456	0.8028	0.8302	0.8457			0.82	2.8	TM	
14	TM**	1,1-DCA	1.542	1.239	1.376	1.350	1.352	1.391	1.387	1.425			1.4	6.1	TM**	
15	TM	MEK (2-Butanone)		0.0502	0.0380	0.0359	0.0412	0.0401	0.0378	0.0367			0.04	12	TM	
16	TM	Cis-1,2-DCE	0.7734	0.6828	0.6885	0.6807	0.7052	0.7017	0.7053	0.7223			0.71	4.2	TM	
17	TM	2,2-Dichloropropane	1.072	1.098	1.095	1.089	1.089	1.066	1.068	1.098			1.1	1.2	TM	
18	TM*	Chloroform	0.8957	0.9166	1.014	0.9146	0.9538	0.9683	1.005	0.9947			0.96	4.7	TM*	
19	TML	Bromochloromethane	0.0273	0.1274	0.1775	0.1803	0.1967	0.1938	0.2000	0.1882			0.16	36	TML	0.999
20	S	Dibromofluoromethane(S)	0.6158	0.6286	0.5501	0.5712	0.5940	0.6033	0.6324	0.6222			0.60	4.8	S	
21	TM	1,1,1-TCA	0.9915	1.020	1.130	1.089	1.085	1.082	1.107	1.141			1.1	4.8	TM	
22	TM	1,1-Dichloropropene	1.042	1.098	1.176	1.143	1.167	1.134	1.162	1.230			1.1	4.9	TM	
23	S	1,2-DCA-D4(S)	0.2933	0.2517	0.2798	0.2922	0.2909	0.2962	0.3085	0.3095			0.29	6.3	S	
24	TM	Carbon Tetrachloride	0.9383	0.8400	0.9636	0.9571	0.9839	0.9477	0.9877	1.023			0.96	5.6	TM	
25	TML	1,2-DCA	0.1878	0.3063	0.3074	0.3244	0.3179	0.3238	0.3274	0.3473			0.31	16	TML	0.999
26	TM	Benzene	3.266	2.777	2.975	2.795	2.800	2.807	2.904	2.972			2.9	5.6	TM	
27	TM	TCE	0.8170	0.7375	0.8062	0.7867	0.8061	0.7819	0.8115	0.8349			0.80	3.7	TM	
28	TM*	1,2-Dichloropropane	0.6121	0.6254	0.6598	0.5877	0.6001	0.6096	0.6131	0.5988			0.61	3.6	TM*	
29	TM	Bromodichloromethane	0.5184	0.5363	0.5325	0.5266	0.5223	0.5248	0.5496	0.5526			0.53	2.4	TM	
30	TM	Dibromomethane		0.1355	0.1638	0.1791	0.1768	0.1846	0.1878	0.1886			0.17	11	TM	
31	TM	Cis-1,3-Dichloropropene	0.6006	0.4880	0.6634	0.6325	0.6653	0.6599	0.6896	0.6834			0.64	10	TM	
32	TM*	Toluene	1.852	1.767	1.819	1.732	1.747	1.708	1.757	1.778			1.8	2.6	TM*	
33	TM	Trans-1,3-Dichloropropene	0.2797	0.3582	0.4050	0.3757	0.4059	0.3998	0.4414	0.4187			0.39	13	TM	
34	TM	1,1,2-TCA	0.1491	0.1695	0.1898	0.1943	0.2099	0.2082	0.2139	0.2167			0.19	12	TM	
35	I	Chlorobenzene-D5 (IS)	ISTD													

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 63694

Case No: Initial Cal. Date: 1/24/11

Matrix: Instrument: Sweetpea Initials:

		Compound	0.5	1	5	10	20	40	100	200			Avg	%RSD		
36	S	Toluene-D8(S)	4.304	3.850	3.511	3.501	3.460	3.593	3.823	3.830			3.7	7.5	S	
37	TM	1,2-EDB	0.2303	0.3132	0.2934	0.2930	0.2952	0.3071	0.3392	0.3343			0.30	11	TM	
38	TM	Tetrachloroethene	0.8030	0.9740	0.8922	0.8927	0.8369	0.8589	0.9170	0.9494			0.89	6.4	TM	
39	TM	1-Chlorohexane	1.711	1.750	1.924	1.888	1.811	1.838	1.917	2.095			1.9	6.4	TM	
40	TM	1,1,1,2-Tetrachloroethane	0.7063	0.5123	0.6492	0.6289	0.6270	0.6417	0.6742	0.6903			0.64	9.3	TM	
41	TM	m&p-Xylene	1.990	1.761	1.814	1.735	1.693	1.752	1.810	1.832			1.8	5.0	TM	
42	TM	o-Xylene	1.684	1.459	1.461	1.499	1.487	1.500	1.572	1.600			1.5	5.2	TM	
43	TM	Styrene	2.079	1.905	2.099	2.058	2.077	2.162	2.290	2.309			2.1	6.2	TM	
44	S	4-Bromofluorobenzene(S)		1.045	0.8060	0.8051	0.8174	0.8683	0.9399	0.9337			0.89	10	S	
45	TML	2-Hexanone			0.0501	0.0605	0.0703	0.0867	0.0869	0.0851			0.07	21	TML	0.999
46	TM	1,3-Dichloropropane	0.4740	0.5234	0.6038	0.5490	0.5411	0.5537	0.5817	0.5927			0.55	7.6	TM	
47	TM	Dibromochloromethane	0.4304	0.3965	0.3961	0.4133	0.4350	0.4539	0.4919	0.4755			0.44	8.1	TM	
48	TM**	Chlorobenzene	2.199	2.005	2.167	2.135	2.082	2.111	2.274	2.329			2.2	4.8	TM**	
49	TM*	Ethylbenzene	5.302	4.629	4.716	4.693	4.589	4.589	4.950	5.130			4.8	5.6	TM*	
50	TM**L	Bromoform	0.0450	0.0925	0.1680	0.1635	0.1920	0.2044	0.2079	0.2083			0.16	38	TM**L	1.000
51	I	1,4-Dichlorobenzene-D (IS)	ISTD													
52	TML	MIBK (methyl isobutyl ketone)	0.0769	0.3433	0.2745	0.2086	0.2339	0.2402	0.2417	0.2248			0.23	32	TML	0.999
53	TM	Isopropylbenzene	5.000	4.414	4.728	4.746	4.637	4.550	4.705	4.842			4.7	3.8	TM	
54	TM**	1,1,2,2-Tetrachloroethane	0.3285	0.2251	0.2937	0.2834	0.2932	0.2896	0.3038	0.2882			0.29	10	TM**	
55	TML	t-1,4-Dichloro-2-Butene		0.0225	0.0660	0.0578	0.0708	0.0635	0.0652	0.0642			0.06	28	TML	1.000
56	TM	1,2,3-Trichloropropane	0.0479	0.0603	0.0539	0.0591	0.0601	0.0593	0.0620	0.0596			0.06	8.0	TM	
57	TM	Bromobenzene	0.6096	0.6142	0.5906	0.6198	0.6041	0.6159	0.6266	0.6133			0.61	1.8	TM	
58	TM	n-Propylbenzene	5.695	5.465	5.738	5.708	5.484	5.480	5.716	5.666			5.6	2.1	TM	
59	TM	2-Chlorotoluene	3.360	3.042	3.141	3.116	3.045	2.969	3.175	3.078			3.1	3.8	TM	
60	TM	1,3,5-Trimethylbenzene	3.323	3.343	3.465	3.294	3.209	3.280	3.311	3.343			3.3	2.2	TM	
61	TM	4-Chlorotoluene	2.584	2.281	2.561	2.450	2.393	2.369	2.398	2.364			2.4	4.2	TM	
62	TM	Tert-Butylbenzene	3.887	3.742	3.791	3.722	3.643	3.631	3.718	3.653			3.7	2.3	TM	
63	TM	1,2,4-Trimethylbenzene	3.487	2.828	2.952	3.024	2.937	2.980	3.070	2.975			3.0	6.5	TM	
64	TM	Sec-Butylbenzene	5.397	4.857	5.274	5.313	5.055	5.148	5.267	5.385			5.2	3.5	TM	
65	TM	p-Isopropyltoluene	4.275	3.802	4.155	4.161	3.977	4.038	3.996	4.162			4.1	3.6	TM	
66	TM	1,3-DCB	1.326	1.234	1.278	1.297	1.257	1.278	1.297	1.258			1.3	2.2	TM	
67	TM	1,4-DCB	1.071	1.086	1.213	1.153	1.184	1.184	1.240	1.192			1.2	5.1	TM	
68	TM	n-Butylbenzene	3.919	3.201	3.539	3.460	3.378	3.444	3.610	3.711			3.5	6.2	TM	
69	TM	1,2-DCB	0.8429	0.7179	0.8849	0.8948	0.9190	0.9269	0.9135	0.9008			0.88	7.8	TM	
70	TM	1,2-Dibromo-3-chloropropane		0.0269	0.0247	0.0317	0.0240	0.0250	0.0267	0.0250			0.03	10	TM	

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 63694
Case No: Initial Cal. Date: 1/24/11
Matrix: Instrument: Sweetpea Initials:

		Compound	0.5	1	5	10	20	40	100	200			Avg	%RSD		
71	TM	1,2,4-Trichlorobenzene	0.1481	0.1244	0.1699	0.1482	0.1723	0.1669	0.1680	0.1548			0.16	10	TM	
72	TML	Hexachlorobutadiene	0.2333	0.2848	0.1581	0.1870	0.1921	0.1880	0.1917	0.1984			0.20	19	TML	1.000
73	TM	Naphthalene	0.3965	0.3986	0.3984	0.4380	0.4552	0.4713	0.4833	0.4586			0.44	8.1	TM	
74	TM	1,2,3-Trichlorobenzene	0.1803	0.2765	0.2171	0.2590	0.2533	0.2717	0.2606	0.2551			0.25	13	TM	
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Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S05W.D Vial: 5
Acq On : 24 Jan 11 13:17 Operator: GM
Sample : Vol Std 01-24-1100.5ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:11 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	10.01	96	113712	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	15.06	117	74472	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	19.15	152	79312	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.63	111	2801	1.02259 ppb		0.00
Spiked Amount 22.854			Recovery	= 4.476%		
23) 1,2-DCA-D4(S)	9.41	65	1334	1.01045 ppb		0.00
Spiked Amount 21.589			Recovery	= 4.678%		
36) Toluene-D8(S)	12.61	98	12820	1.15262 ppb		0.00
Spiked Amount 25.102			Recovery	= 4.593%		
44) 4-Bromofluorobenzene(S)	17.10	95	4114	1.55540 ppb		0.00
Spiked Amount 25.458			Recovery	= 6.108%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.59	85	861	0.48977 ppb		92
3) Chloromethane	2.87	50	4176	0.50446 ppb		92
4) Vinyl chloride	3.05	62	1086	0.57541 ppb		92
5) Bromomethane	3.63	94	612	0.63621 ppb		99
6) Chloroethane	3.77	64	1590	0.45174 ppb	#	75
7) Trichlorofluoromethane	4.23	101	2218	0.41586 ppb	#	70
8) Acetone	4.86	43	61	0.32144 ppb	#	57
9) 1,1-DCE	5.18	96	2045	0.55229 ppb	#	51
10) Methylene chloride	5.89	84	936	0.45106 ppb	#	74
11) Carbon disulfide	5.90	76	8270	0.50675 ppb	#	91
12) Methyl t-butyl ether (MtBE	6.28	73	1367	0.48418 ppb	#	49
13) Trans-1,2-DCE	6.44	96	1870	0.50319 ppb		82
14) 1,1-DCA	7.08	63	3507	0.55762 ppb	#	93
15) MEK (2-Butanone)	7.75	43	208	1.14379 ppb	#	76
16) Cis-1,2-DCE	8.06	96	1759	0.54661 ppb		92
17) 2,2-Dichloropropane	8.04	77	2439	0.49451 ppb	#	80
18) Chloroform	8.32	83	2037	0.46755 ppb	#	75
19) Bromochloromethane	8.54	128	62	-0.29190 ppb	#	59
21) 1,1,1-TCA	9.02	97	2255	0.45876 ppb		85
22) 1,1-Dichloropropene	9.30	75	2369	0.45530 ppb	#	87
24) Carbon Tetrachloride	9.43	117	2134	0.49116 ppb	#	70
25) 1,2-DCA	9.56	62	427	1.50566 ppb	#	73
26) Benzene	9.65	78	7428	0.56082 ppb	#	84
27) TCE	10.67	95	1858	0.51206 ppb	#	71
28) 1,2-Dichloropropane	10.90	63	1392	0.49897 ppb	#	92
29) Bromodichloromethane	11.24	83	1179	0.48642 ppb	#	67
30) Dibromomethane	11.28	93	127	0.16071 ppb	#	47
31) Cis-1,3-Dichloropropene	12.15	75	1366	0.47269 ppb		97
32) Toluene	12.72	92	4212	0.52310 ppb	#	73
33) Trans-1,3-Dichloropropene	12.95	75	636	0.36268 ppb	#	47
34) 1,1,2-TCA	13.19	83	339	0.38432 ppb	#	63
37) 1,2-EDB	14.35	107	343	0.38291 ppb		94
38) Tetrachloroethene	13.83	164	1196	0.45086 ppb		93
39) 1-Chlorohexane	14.83	91	2548	0.45816 ppb	#	55
40) 1,1,1,2-Tetrachloroethane	15.20	131	1052	0.55074 ppb	#	53
41) m&p-Xylene	15.41	106	5927	1.10637 ppb		88
42) o-Xylene	16.12	106	2508	0.54925 ppb		86
43) Styrene	16.15	104	3097	0.48984 ppb		89
46) 1,3-Dichloropropane	13.60	76	706	0.42901 ppb	#	72

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

Quantitation Report (Not Reviewed)

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Data File : M:\SWEETPEA\DATA\S110124\0124S05W.D          Vial: 5
Acq On    : 24 Jan 11  13:17                          Operator: GM
Sample    : Vol Std 01-24-11@0.5ug/L                  Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11                  Multiplr: 1.00

Quant Time: Jan 26  9:11 2011              Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromochloromethane	14.01	129	641	0.49288	ppb	#	61
48)	Chlorobenzene	15.12	112	3275	0.50834	ppb		83
49)	Ethylbenzene	15.26	91	7897	0.54945	ppb		89
50)	Bromoform	16.59	173	67	1.19856	ppb	#	25
52)	MIBK (methyl isobutyl keto	11.87	43	122	-0.82777	ppb	#	40
53)	Isopropylbenzene	16.76	105	7931	0.53159	ppb		91
54)	1,1,2,2-Tetrachloroethane	16.93	83	521	0.56988	ppb	#	64
56)	1,2,3-Trichloropropane	17.18	110	76	0.41466	ppb	#	1
57)	Bromobenzene	17.41	156	967	0.49825	ppb		89
58)	n-Propylbenzene	17.45	91	9033	0.50674	ppb		91
59)	2-Chlorotoluene	17.70	91	5330	0.53921	ppb		95
60)	1,3,5-Trimethylbenzene	17.73	105	5271	0.50027	ppb		99
61)	4-Chlorotoluene	17.78	91	4099	0.53279	ppb		84
62)	Tert-Butylbenzene	18.33	119	6165	0.52193	ppb		82
63)	1,2,4-Trimethylbenzene	18.40	105	5531	0.57508	ppb		95
64)	Sec-Butylbenzene	18.72	105	8561	0.51775	ppb		92
65)	p-Isopropyltoluene	18.96	119	6781	0.52506	ppb	#	84
66)	1,3-DCB	19.02	146	2103	0.51860	ppb		93
67)	1,4-DCB	19.20	146	1699	0.45958	ppb	#	80
68)	n-Butylbenzene	19.68	91	6217	0.55468	ppb		92
69)	1,2-DCB	19.83	146	1337	0.48159	ppb		96
71)	1,2,4-Trichlorobenzene	22.77	180	235	0.47308	ppb	#	48
72)	Hexachlorobutadiene	23.08	225	370	1.34074	ppb		96
73)	Naphthalene	23.13	128	629	0.45319	ppb	#	79
74)	1,2,3-Trichlorobenzene	23.56	180	286	0.36543	ppb	#	15

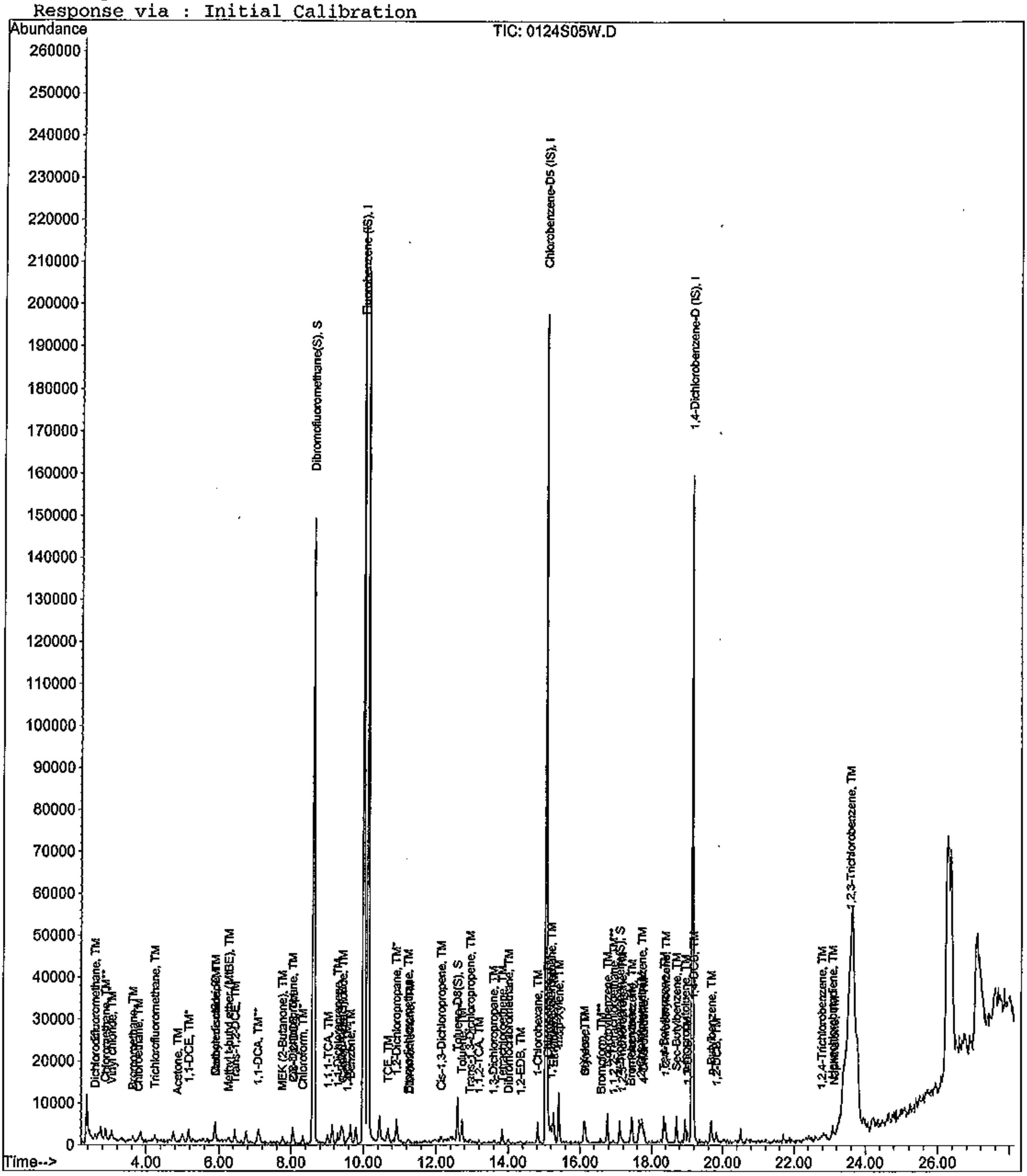
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S05W.D          Vial: 5
Acq On    : 24 Jan 11  13:17                          Operator: GM
Sample    : Vol Std 01-24-11@0.5ug/L                  Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11                  Multiplr: 1.00

Quant Time: Jan 26  9:11 2011              Quant Results File: S86ENVW.RES

Method         : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Wed Jan 26 09:10:39 2011
Response via   : Initial Calibration
```



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S06W.D Vial: 6
Acq On : 24 Jan 11 13:54 Operator: GM
Sample : Vol Std 01-24-11@1.0ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	117528	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.06	117	78616	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.15	152	84618	25.00000 ppb	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
20) Dibromofluoromethane(S)	8.63	111	5910	2.08758 ppb	0.00
Spiked Amount 22.854			Recovery	= 9.136%	
23) 1,2-DCA-D4(S)	9.41	65	2367	1.73469 ppb	0.00
Spiked Amount 21.589			Recovery	= 8.036%	
36) Toluene-D8(S)	12.60	98	24211	2.06202 ppb	0.00
Spiked Amount 25.102			Recovery	= 8.215%	
44) 4-Bromofluorobenzene(S)	17.11	95	6572	2.35374 ppb	0.01
Spiked Amount 25.458			Recovery	= 9.246%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.59	85	1695	0.93287 ppb	#	74
3) Chloromethane	2.88	50	8413	0.98329 ppb		97
4) Vinyl chloride	3.04	62	1973	1.01144 ppb		94
5) Bromomethane	3.64	94	808	0.81269 ppb		79
6) Chloroethane	3.78	64	3367	0.92555 ppb		89
7) Trichlorofluoromethane	4.23	101	4849	0.87963 ppb		96
9) 1,1-DCE	5.17	96	3885	1.01515 ppb	#	60
10) Methylene chloride	5.88	84	1769	0.82481 ppb		96
11) Carbon disulfide	5.90	76	16020	0.94976 ppb	#	91
12) Methyl t-butyl ether (MtBE	6.29	73	2609	0.89409 ppb	#	97
13) Trans-1,2-DCE	6.44	96	3662	0.95339 ppb		74
14) 1,1-DCA	7.09	63	5823	0.89581 ppb		99
15) MEK (2-Butanone)	7.75	43	236	1.25562 ppb	#	76
16) Cis-1,2-DCE	8.05	96	3210	0.96511 ppb		90
17) 2,2-Dichloropropane	8.04	77	5160	1.01222 ppb		98
18) Chloroform	8.33	83	4309	0.95692 ppb		78
19) Bromochloromethane	8.53	128	599	0.30640 ppb		82
21) 1,1,1-TCA	9.02	97	4795	0.94382 ppb		91
22) 1,1-Dichloropropene	9.29	75	5164	0.96025 ppb		97
24) Carbon Tetrachloride	9.46	117	3949	0.87940 ppb		92
25) 1,2-DCA	9.57	62	1440	2.12038 ppb	#	73
26) Benzene	9.64	78	13054	0.95358 ppb		97
27) TCE	10.68	95	3467	0.92448 ppb		89
28) 1,2-Dichloropropane	10.91	63	2940	1.01965 ppb	#	92
29) Bromodichloromethane	11.25	83	2521	1.00632 ppb	#	97
30) Dibromomethane	11.26	93	637	0.77990 ppb	#	57
31) Cis-1,3-Dichloropropene	12.15	75	2294	0.76804 ppb		98
32) Toluene	12.73	92	8309	0.99842 ppb		90
33) Trans-1,3-Dichloropropene	12.95	75	1684	0.92913 ppb	#	80
34) 1,1,2-TCA	13.18	83	797	0.87421 ppb		88
37) 1,2-EDB	14.35	107	985	1.04164 ppb		99
38) Tetrachloroethene	13.83	164	3063	1.09381 ppb	#	65
39) 1-Chlorohexane	14.83	91	5504	0.93752 ppb		94
40) 1,1,1,2-Tetrachloroethane	15.20	131	1611	0.79894 ppb	#	88
41) m&p-Xylene	15.41	106	11073	1.95799 ppb		92
42) o-Xylene	16.13	106	4588	0.95181 ppb		93
43) Styrene	16.15	104	5992	0.89777 ppb		96
46) 1,3-Dichloropropane	13.61	76	1646	0.94748 ppb	#	81
47) Dibromochloromethane	14.01	129	1247	0.90830 ppb		84

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S06W.D Vial: 6
Acq On : 24 Jan 11 13:54 Operator: GM
Sample : Vol Std 01-24-11@1.0ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
48)	Chlorobenzene	15.11	112	6304	0.92692	ppb		89
49)	Ethylbenzene	15.27	91	14557	0.95944	ppb		94
50)	Bromoform	16.58	173	291	1.53286	ppb		78
52)	MIBK (methyl isobutyl keto	11.87	43	1162	0.51531	ppb	#	40
53)	Isopropylbenzene	16.75	105	14939	0.93853	ppb		96
54)	1,1,2,2-Tetrachloroethane	16.93	83	762	0.78122	ppb	#	87
55)	t-1,4-Dichloro-2-Butene	17.27	53	76	0.25362	ppb	#	1
56)	1,2,3-Trichloropropane	17.16	110	204	1.04324	ppb	#	1
57)	Bromobenzene	17.41	156	2079	1.00404	ppb		84
58)	n-Propylbenzene	17.45	91	18497	0.97259	ppb		97
59)	2-Chlorotoluene	17.69	91	10297	0.97637	ppb		92
60)	1,3,5-Trimethylbenzene	17.73	105	11314	1.00649	ppb		87
61)	4-Chlorotoluene	17.79	91	7722	0.94076	ppb		95
62)	Tert-Butylbenzene	18.34	119	12665	1.00499	ppb		90
63)	1,2,4-Trimethylbenzene	18.39	105	9572	0.93283	ppb		96
64)	Sec-Butylbenzene	18.71	105	16439	0.93185	ppb		94
65)	p-Isopropyltoluene	18.95	119	12870	0.93405	ppb	#	85
66)	1,3-DCB	19.02	146	4177	0.96546	ppb		97
67)	1,4-DCB	19.21	146	3675	0.93175	ppb	#	81
68)	n-Butylbenzene	19.68	91	10834	0.90600	ppb		98
69)	1,2-DCB	19.83	146	2430	0.82041	ppb		88
70)	1,2-Dibromo-3-chloropropan	21.12	75	91	1.02288	ppb	#	10
71)	1,2,4-Trichlorobenzene	22.78	180	421	0.79438	ppb	#	81
72)	Hexachlorobutadiene	23.08	225	964	2.19125	ppb	#	81
73)	Naphthalene	23.13	128	1349	0.91100	ppb	#	79
74)	1,2,3-Trichlorobenzene	23.55	180	936	1.12096	ppb	#	91

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S06W.D        Vial: 6
Acq On    : 24 Jan 11  13:54                       Operator: GM
Sample    : Vol Std 01-24-11@1.0ug/L               Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11               Multiplr: 1.00

Quant Time: Jan 26  9:12 2011              Quant Results File: S86ENVW.RES

Method        : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Wed Jan 26 09:10:39 2011
Response via  : Initial Calibration
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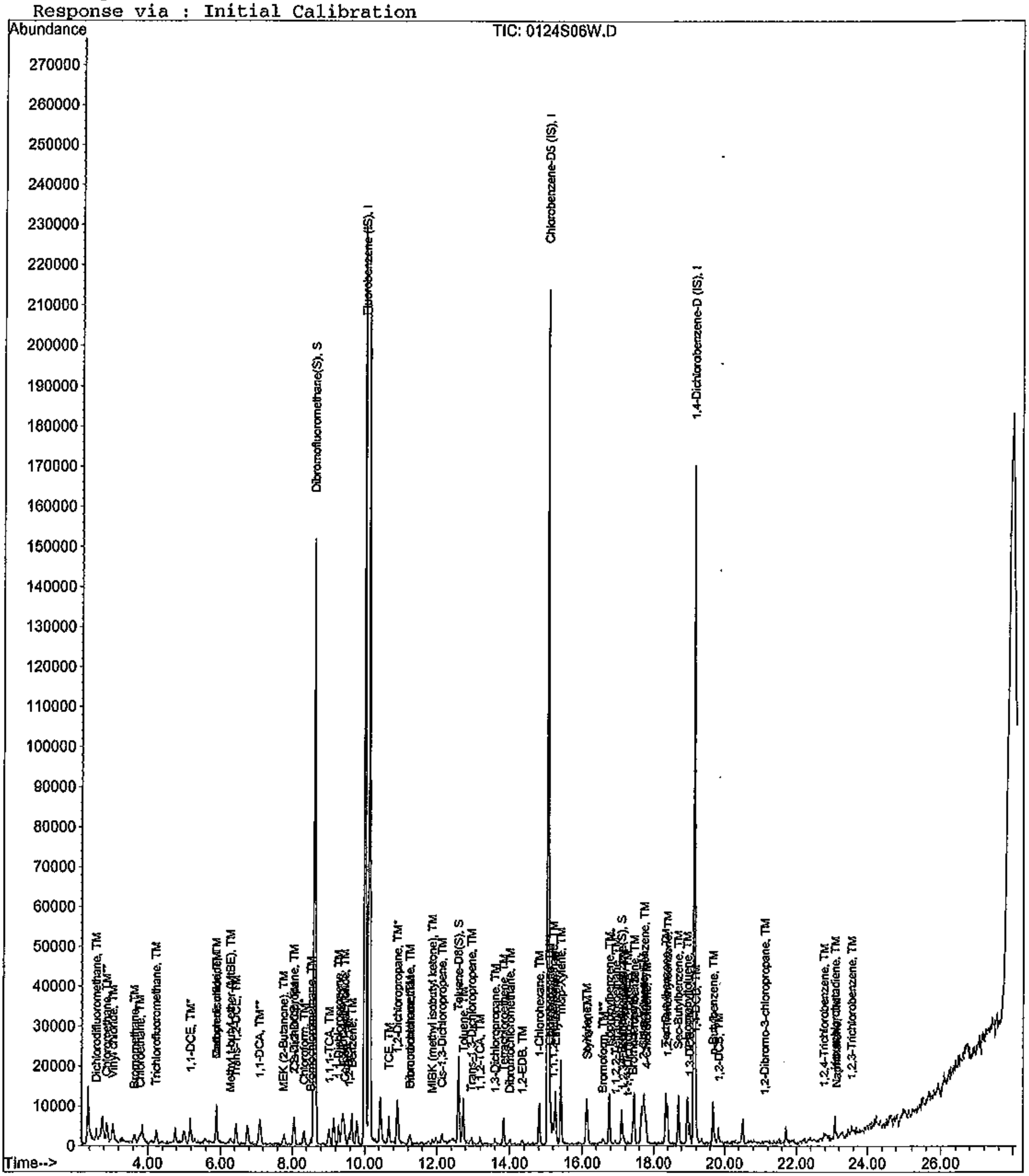


Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S07W.D   Vial: 7
Acq On : 24 Jan 11 14:30   Operator: GM
Sample : Vol Std 01-24-11@5.0ug/L   Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:12 2011   Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	10.01	96	115776	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	15.05	117	80248	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	19.15	152	82905	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.64	111	25474	9.13429 ppb		0.00
Spiked Amount 22.854			Recovery	= 39.968%		
23) 1,2-DCA-D4(S)	9.42	65	12957	9.63940 ppb		0.00
Spiked Amount 21.589			Recovery	= 44.647%		
36) Toluene-D8(S)	12.60	98	112692	9.40263 ppb		0.00
Spiked Amount 25.102			Recovery	= 37.460%		
44) 4-Bromofluorobenzene(S)	17.10	95	25873	9.07787 ppb		0.00
Spiked Amount 25.458			Recovery	= 35.658%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.59	85	7891	4.40865 ppb		91
3) Chloromethane	2.89	50	40743	4.83401 ppb		97
4) Vinyl chloride	3.04	62	9540	4.96459 ppb		88
5) Bromomethane	3.64	94	4921	5.02446 ppb		89
6) Chloroethane	3.77	64	17787	4.96342 ppb		85
7) Trichlorofluoromethane	4.24	101	25449	4.68640 ppb		97
8) Acetone	4.87	43	1053	5.44980 ppb	#	68
9) 1,1-DCE	5.18	96	18115	4.80509 ppb		84
10) Methylene chloride	5.90	84	11220	5.31058 ppb		89
11) Carbon disulfide	5.90	76	81342	4.89542 ppb		100
12) Methyl t-butyl ether (MtBE	6.28	73	14274	4.96563 ppb	#	95
13) Trans-1,2-DCE	6.44	96	18714	4.94585 ppb		96
14) 1,1-DCA	7.08	63	31861	4.97568 ppb	#	92
15) MEK (2-Butanone)	7.77	43	879	4.74744 ppb	#	76
16) Cis-1,2-DCE	8.06	96	15942	4.86563 ppb		93
17) 2,2-Dichloropropane	8.04	77	25345	5.04709 ppb		95
18) Chloroform	8.33	83	23488	5.29503 ppb		96
19) Bromochloromethane	8.52	128	4111	4.30409 ppb		83
21) 1,1,1-TCA	9.02	97	26161	5.22732 ppb		88
22) 1,1-Dichloropropene	9.28	75	27238	5.14159 ppb		97
24) Carbon Tetrachloride	9.45	117	22312	5.04381 ppb		91
25) 1,2-DCA	9.56	62	7118	5.68168 ppb	#	87
26) Benzene	9.65	78	68889	5.10842 ppb		96
27) TCE	10.67	95	18668	5.05316 ppb		94
28) 1,2-Dichloropropane	10.89	63	15277	5.37854 ppb	#	92
29) Bromodichloromethane	11.24	83	12329	4.99591 ppb		92
30) Dibromomethane	11.27	93	3792	4.71291 ppb	#	85
31) Cis-1,3-Dichloropropene	12.15	75	15362	5.22110 ppb		89
32) Toluene	12.73	92	42130	5.13898 ppb		85
33) Trans-1,3-Dichloropropene	12.95	75	9378	5.25250 ppb		93
34) 1,1,2-TCA	13.19	83	4395	4.89372 ppb		92
37) 1,2-EDB	14.35	107	4709	4.87850 ppb	#	91
38) Tetrachloroethene	13.84	164	14319	5.00938 ppb		94
39) 1-Chlorohexane	14.82	91	30887	5.15410 ppb	#	56
40) 1,1,1,2-Tetrachloroethane	15.19	131	10419	5.06196 ppb		90
41) m&p-Xylene	15.41	106	58237	10.08838 ppb		95
42) o-Xylene	16.12	106	23454	4.76672 ppb		85
43) Styrene	16.14	104	33688	4.94475 ppb		90
45) 2-Hexanone	13.31	58	804	4.84144 ppb	#	39

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S07W.D Vial: 7
Acq On : 24 Jan 11 14:30 Operator: GM
Sample : Vol Std 01-24-11@5.0ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) 1,3-Dichloropropane	13.61	76	9691	5.46497	ppb		89
47) Dibromochloromethane	14.00	129	6358	4.53693	ppb		87
48) Chlorobenzene	15.12	112	34780	5.00995	ppb		93
49) Ethylbenzene	15.26	91	75689	4.88716	ppb		98
50) Bromoform	16.58	173	2696	5.09965	ppb		94
52) MIBK (methyl isobutyl keto	11.88	43	4552	5.05026	ppb	#	80
53) Isopropylbenzene	16.76	105	78396	5.02695	ppb		95
54) 1,1,2,2-Tetrachloroethane	16.93	83	4870	5.09601	ppb	#	91
55) t-1,4-Dichloro-2-Butene	17.28	53	1094	5.03038	ppb	#	52
56) 1,2,3-Trichloropropane	17.16	110	894	4.66630	ppb		93
57) Bromobenzene	17.41	156	9793	4.82721	ppb		95
58) n-Propylbenzene	17.45	91	95141	5.10596	ppb		95
59) 2-Chlorotoluene	17.70	91	52083	5.04058	ppb		98
60) 1,3,5-Trimethylbenzene	17.73	105	57458	5.21704	ppb		89
61) 4-Chlorotoluene	17.78	91	42471	5.28111	ppb		97
62) Tert-Butylbenzene	18.34	119	62856	5.09080	ppb		98
63) 1,2,4-Trimethylbenzene	18.39	105	48955	4.86943	ppb		99
64) Sec-Butylbenzene	18.71	105	87451	5.05962	ppb		96
65) p-Isopropyltoluene	18.96	119	68902	5.10392	ppb		98
66) 1,3-DCB	19.03	146	21193	4.99970	ppb		99
67) 1,4-DCB	19.20	146	20107	5.20323	ppb		96
68) n-Butylbenzene	19.68	91	58688	5.00923	ppb		99
69) 1,2-DCB	19.82	146	14672	5.05586	ppb		84
70) 1,2-Dibromo-3-chloropropan	21.13	75	409	4.69234	ppb	#	29
71) 1,2,4-Trichlorobenzene	22.76	180	2817	5.42517	ppb		85
72) Hexachlorobutadiene	23.07	225	2622	4.74939	ppb	#	81
73) Naphthalene	23.13	128	6606	4.55330	ppb		99
74) 1,2,3-Trichlorobenzene	23.55	180	3599	4.39923	ppb		95

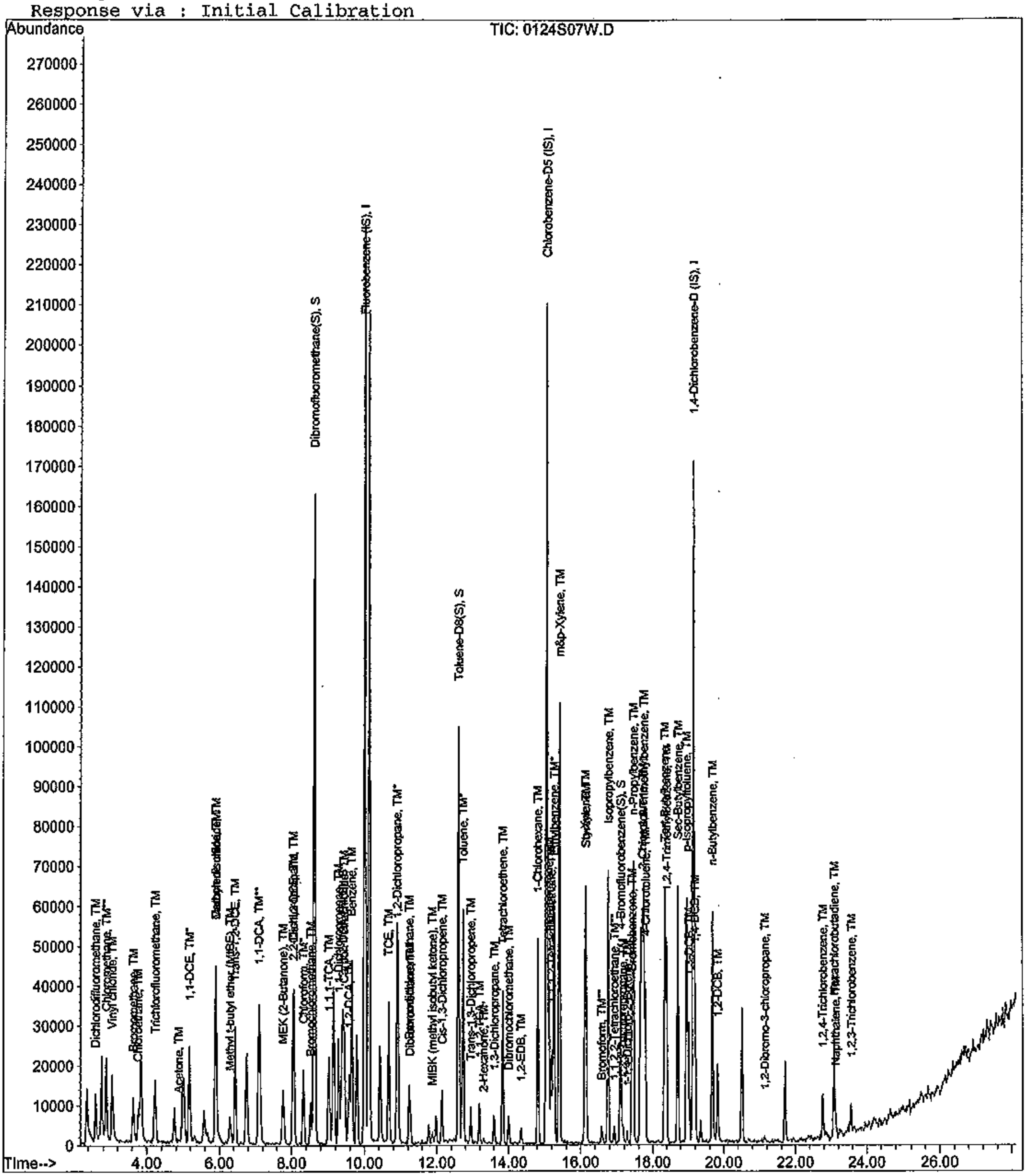
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110124\0124S07W.D   Vial: 7
Acq On : 24 Jan 11 14:30   Operator: GM
Sample : Vol Std 01-24-11@5.0ug/L   Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:12 2011   Quant Results File: S86ENVW.RES

Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S08W.D Vial: 8
Acq On : 24 Jan 11 15:06 Operator: GM
Sample : Vol Std 01-24-11@10ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	113696	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	79160	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	80880	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	64939	23.71138 ppb	0.00
Spiked Amount 22.854			Recovery	= 103.752%	
23) 1,2-DCA-D4(S)	9.42	65	33217	25.16398 ppb	0.00
Spiked Amount 21.589			Recovery	= 116.559%	
36) Toluene-D8(S)	12.60	98	277155	23.44269 ppb	0.00
Spiked Amount 25.102			Recovery	= 93.392%	
44) 4-Bromofluorobenzene(S)	17.10	95	63728	22.66710 ppb	0.00
Spiked Amount 25.458			Recovery	= 89.035%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.59	85	16648	9.47130 ppb	100
3) Chloromethane	2.88	50	82836	10.00800 ppb	100
4) Vinyl chloride	3.04	62	18600	9.85647 ppb	100
5) Bromomethane	3.64	94	8679	9.02359 ppb	100
6) Chloroethane	3.76	64	36244	10.29882 ppb	100
7) Trichlorofluoromethane	4.23	101	54932	10.30073 ppb	100
8) Acetone	4.87	43	2061	10.86184 ppb	100
9) 1,1-DCE	5.17	96	35172	9.50023 ppb	100
10) Methylene chloride	5.89	84	21435	10.33108 ppb	100
11) Carbon disulfide	5.89	76	165699	10.15473 ppb	100
12) Methyl t-butyl ether (MtBE	6.29	73	28184	9.98400 ppb	100
13) Trans-1,2-DCE	6.44	96	36503	9.82373 ppb	100
14) 1,1-DCA	7.08	63	61382	9.76130 ppb	100
15) MEK (2-Butanone)	7.75	43	1634	8.98661 ppb	100
16) Cis-1,2-DCE	8.06	96	30957	9.62119 ppb	100
17) 2,2-Dichloropropane	8.05	77	49504	10.03835 ppb	100
18) Chloroform	8.33	83	41596	9.54876 ppb	100
19) Bromochloromethane	8.52	128	8201	9.11825 ppb	100
21) 1,1,1-TCA	9.01	97	49515	10.07477 ppb	100
22) 1,1-Dichloropropene	9.28	75	51966	9.98883 ppb	100
24) Carbon Tetrachloride	9.45	117	43528	10.01988 ppb	100
25) 1,2-DCA	9.56	62	14752	10.62042 ppb	100
26) Benzene	9.65	78	127112	9.59835 ppb	100
27) TCE	10.67	95	35780	9.86233 ppb	100
28) 1,2-Dichloropropane	10.90	63	26729	9.58258 ppb	100
29) Bromodichloromethane	11.24	83	23950	9.88248 ppb	100
30) Dibromomethane	11.28	93	8143	10.30573 ppb	100
31) Cis-1,3-Dichloropropene	12.14	75	28765	9.95525 ppb	100
32) Toluene	12.73	92	78791	9.78668 ppb	100
33) Trans-1,3-Dichloropropene	12.94	75	17084	9.74358 ppb	100
34) 1,1,2-TCA	13.18	83	8837	10.01978 ppb	100
37) 1,2-EDB	14.35	107	9276	9.74197 ppb	100
38) Tetrachloroethene	13.84	164	28267	10.02488 ppb	100
39) 1-Chlorohexane	14.82	91	59795	10.11511 ppb	100
40) 1,1,1,2-Tetrachloroethane	15.20	131	19915	9.80848 ppb	100
41) m&p-Xylene	15.40	106	109846	19.29013 ppb	100
42) o-Xylene	16.12	106	47480	9.78232 ppb	100
43) Styrene	16.14	104	65160	9.69568 ppb	100
45) 2-Hexanone	13.30	58	1915	8.93553 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S08W.D Vial: 8
Acq On : 24 Jan 11 15:06 Operator: GM
Sample : Vol Std 01-24-11@10ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	1,3-Dichloropropane	13.60	76	17385	9.93853 ppb	100
47)	Dibromochloromethane	14.00	129	13086	9.46623 ppb	100
48)	Chlorobenzene	15.12	112	67592	9.87024 ppb	100
49)	Ethylbenzene	15.26	91	148592	9.72630 ppb	100
50)	Bromoform	16.58	173	5177	8.89422 ppb	100
52)	MIBK (methyl isobutyl keto	11.88	43	6749	8.19353 ppb	100
53)	Isopropylbenzene	16.76	105	153541	10.09194 ppb	100
54)	1,1,2,2-Tetrachloroethane	16.92	83	9168	9.83366 ppb	100
55)	t-1,4-Dichloro-2-Butene	17.27	53	1869	8.88066 ppb	100
56)	1,2,3-Trichloropropane	17.17	110	1911	10.22434 ppb	100
57)	Bromobenzene	17.41	156	20052	10.13158 ppb	100
58)	n-Propylbenzene	17.45	91	184660	10.15833 ppb	100
59)	2-Chlorotoluene	17.69	91	100805	10.00015 ppb	100
60)	1,3,5-Trimethylbenzene	17.73	105	106575	9.91902 ppb	100
61)	4-Chlorotoluene	17.78	91	79271	10.10385 ppb	100
62)	Tert-Butylbenzene	18.33	119	120406	9.99601 ppb	100
63)	1,2,4-Trimethylbenzene	18.39	105	97843	9.97585 ppb	100
64)	Sec-Butylbenzene	18.72	105	171897	10.19439 ppb	100
65)	p-Isopropyltoluene	18.96	119	134628	10.22227 ppb	100
66)	1,3-DCB	19.03	146	41976	10.15060 ppb	100
67)	1,4-DCB	19.20	146	37301	9.89432 ppb	100
68)	n-Butylbenzene	19.67	91	111953	9.79484 ppb	100
69)	1,2-DCB	19.83	146	28949	10.22536 ppb	100
70)	1,2-Dibromo-3-chloropropan	21.12	75	1027	12.07748 ppb	100
71)	1,2,4-Trichlorobenzene	22.76	180	4796	9.46772 ppb	100
72)	Hexachlorobutadiene	23.08	225	6051	10.20950 ppb	100
73)	Naphthalene	23.12	128	14170	10.01146 ppb	100
74)	1,2,3-Trichlorobenzene	23.54	180	8379	10.49848 ppb	100

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S08W.D        Vial: 8
Acq On    : 24 Jan 11  15:06                        Operator: GM
Sample    : Vol Std 01-24-11@10ug/L                 Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Jan 26  9:12 2011            Quant Results File: S86ENVW.RES

Method       : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
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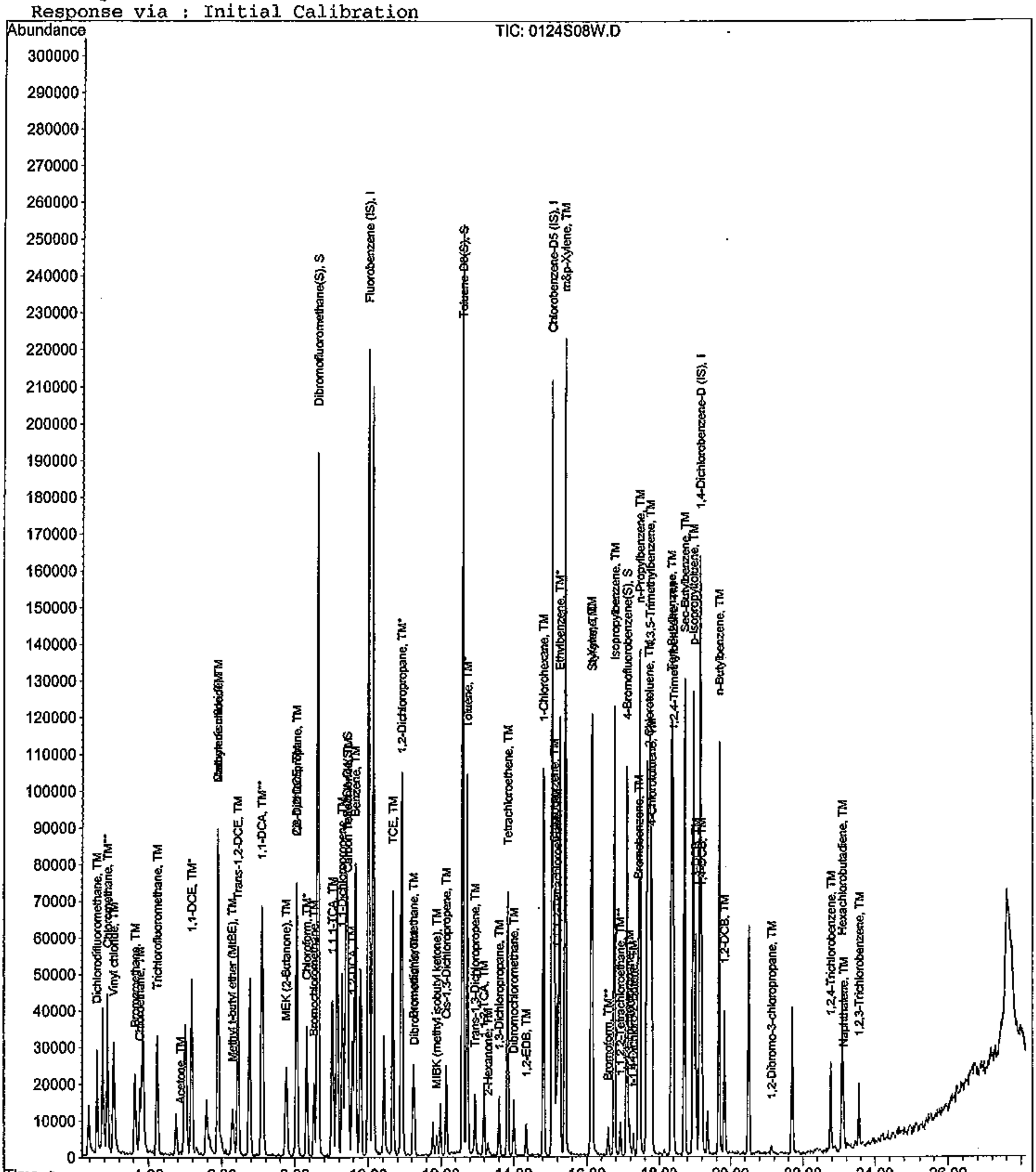

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Data File : M:\SWEETPEA\DATA\S110124\0124S09W.D        Vial: 9
Acq On    : 24 Jan 11  15:42                       Operator: GM
Sample    : Vol Std 01-24-11@20ug/L                Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11               Multiplr: 1.00

Quant Time: Jan 26  9:12 2011              Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	112408	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.06	117	81944	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.15	152	82655	25.00000 ppb	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
20) Dibromofluoromethane(S)	8.64	111	106840	39.45781 ppb	0.00
Spiked Amount 22.854			Recovery =	172.656%	
23) 1,2-DCA-D4(S)	9.42	65	52320	40.08987 ppb	0.00
Spiked Amount 21.589			Recovery =	185.695%	
36) Toluene-D8(S)	12.60	98	453611	37.06440 ppb	0.00
Spiked Amount 25.102			Recovery =	147.655%	
44) 4-Bromofluorobenzene(S)	17.10	95	107171	36.82405 ppb	0.00
Spiked Amount 25.458			Recovery =	144.644%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.59	85	35688	20.53608 ppb		100
3) Chloromethane	2.88	50	163262	19.95084 ppb		95
4) Vinyl chloride	3.05	62	34544	18.51522 ppb		95
5) Bromomethane	3.63	94	18520	19.47595 ppb		85
6) Chloroethane	3.78	64	73150	21.02392 ppb		94
7) Trichlorofluoromethane	4.23	101	111755	21.19617 ppb		93
8) Acetone	4.87	43	3508	18.69962 ppb		92
9) 1,1-DCE	5.17	96	72070	19.68971 ppb		98
10) Methylene chloride	5.89	84	42942	20.93402 ppb		96
11) Carbon disulfide	5.89	76	326877	20.26194 ppb		100
12) Methyl t-butyl ether (MtBE	6.30	73	55712	19.96176 ppb	#	93
13) Trans-1,2-DCE	6.44	96	76044	20.69955 ppb		95
14) 1,1-DCA	7.09	63	121604	19.55972 ppb		95
15) MEK (2-Butanone)	7.75	43	3703	20.59897 ppb		100
16) Cis-1,2-DCE	8.06	96	63413	19.93407 ppb		92
17) 2,2-Dichloropropane	8.05	77	97942	20.08811 ppb		94
18) Chloroform	8.33	83	85773	19.91563 ppb		98
19) Bromochloromethane	8.53	128	17684	20.31656 ppb	#	78
21) 1,1,1-TCA	9.02	97	97605	20.08716 ppb		97
22) 1,1-Dichloropropene	9.29	75	104925	20.39963 ppb		98
24) Carbon Tetrachloride	9.44	117	88475	20.59978 ppb		90
25) 1,2-DCA	9.57	62	28587	19.63177 ppb		98
26) Benzene	9.65	78	251826	19.23352 ppb		97
27) TCE	10.68	95	72490	20.20994 ppb		96
28) 1,2-Dichloropropane	10.90	63	53964	19.56824 ppb		99
29) Bromodichloromethane	11.24	83	46968	19.60245 ppb		100
30) Dibromomethane	11.28	93	15902	20.35608 ppb		96
31) Cis-1,3-Dichloropropene	12.14	75	59829	20.94341 ppb		93
32) Toluene	12.72	92	157101	19.73721 ppb		95
33) Trans-1,3-Dichloropropene	12.95	75	36501	21.05628 ppb		90
34) 1,1,2-TCA	13.20	83	18874	21.64538 ppb		92
37) 1,2-EDB	14.34	107	19353	19.63465 ppb	#	95
38) Tetrachloroethene	13.84	164	54861	18.79541 ppb		96
39) 1-Chlorohexane	14.82	91	118736	19.40335 ppb		90
40) 1,1,1,2-Tetrachloroethane	15.19	131	41100	19.55472 ppb		94
41) m&p-Xylene	15.41	106	222032	37.66648 ppb		98
42) o-Xylene	16.12	106	97450	19.39552 ppb		99
43) Styrene	16.15	104	136143	19.56957 ppb		96
45) 2-Hexanone	13.29	58	4608	18.19164 ppb	#	52

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S09W.D Vial: 9
Acq On : 24 Jan 11 15:42 Operator: GM
Sample : Vol Std 01-24-11@20ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,3-Dichloropropane	13.60	76	35469	19.58778 ppb		89
47)	Dibromochloromethane	14.01	129	28519	19.92935 ppb		83
48)	Chlorobenzene	15.12	112	136511	19.25701 ppb		96
49)	Ethylbenzene	15.26	91	300850	19.02351 ppb		97
50)	Bromoform	16.59	173	12589	19.42126 ppb		86
52)	MIBK (methyl isobutyl keto	11.87	43	15467	19.61329 ppb		87
53)	Isopropylbenzene	16.76	105	306615	19.72039 ppb		99
54)	1,1,2,2-Tetrachloroethane	16.92	83	19388	20.34912 ppb	#	63
55)	t-1,4-Dichloro-2-Butene	17.28	53	4680	21.89788 ppb	#	72
56)	1,2,3-Trichloropropane	17.16	110	3974	20.80532 ppb		85
57)	Bromobenzene	17.41	156	39944	19.74892 ppb		94
58)	n-Propylbenzene	17.45	91	362607	19.51901 ppb		96
59)	2-Chlorotoluene	17.69	91	201359	19.54643 ppb		99
60)	1,3,5-Trimethylbenzene	17.73	105	212202	19.32568 ppb		97
61)	4-Chlorotoluene	17.78	91	158229	19.73470 ppb		100
62)	Tert-Butylbenzene	18.34	119	240908	19.57049 ppb		99
63)	1,2,4-Trimethylbenzene	18.39	105	194189	19.37390 ppb		98
64)	Sec-Butylbenzene	18.72	105	334267	19.39806 ppb		98
65)	p-Isopropyltoluene	18.97	119	262954	19.53726 ppb		99
66)	1,3-DCB	19.02	146	83144	19.67405 ppb		94
67)	1,4-DCB	19.20	146	78280	20.31834 ppb		97
68)	n-Butylbenzene	19.67	91	223369	19.12301 ppb		99
69)	1,2-DCB	19.82	146	60765	21.00247 ppb		94
70)	1,2-Dibromo-3-chloropropan	21.13	75	1584	18.22775 ppb	#	72
71)	1,2,4-Trichlorobenzene	22.77	180	11392	22.00585 ppb		95
72)	Hexachlorobutadiene	23.08	225	12701	20.17802 ppb		98
73)	Naphthalene	23.12	128	30099	20.80902 ppb		99
74)	1,2,3-Trichlorobenzene	23.55	180	16749	20.53502 ppb		81

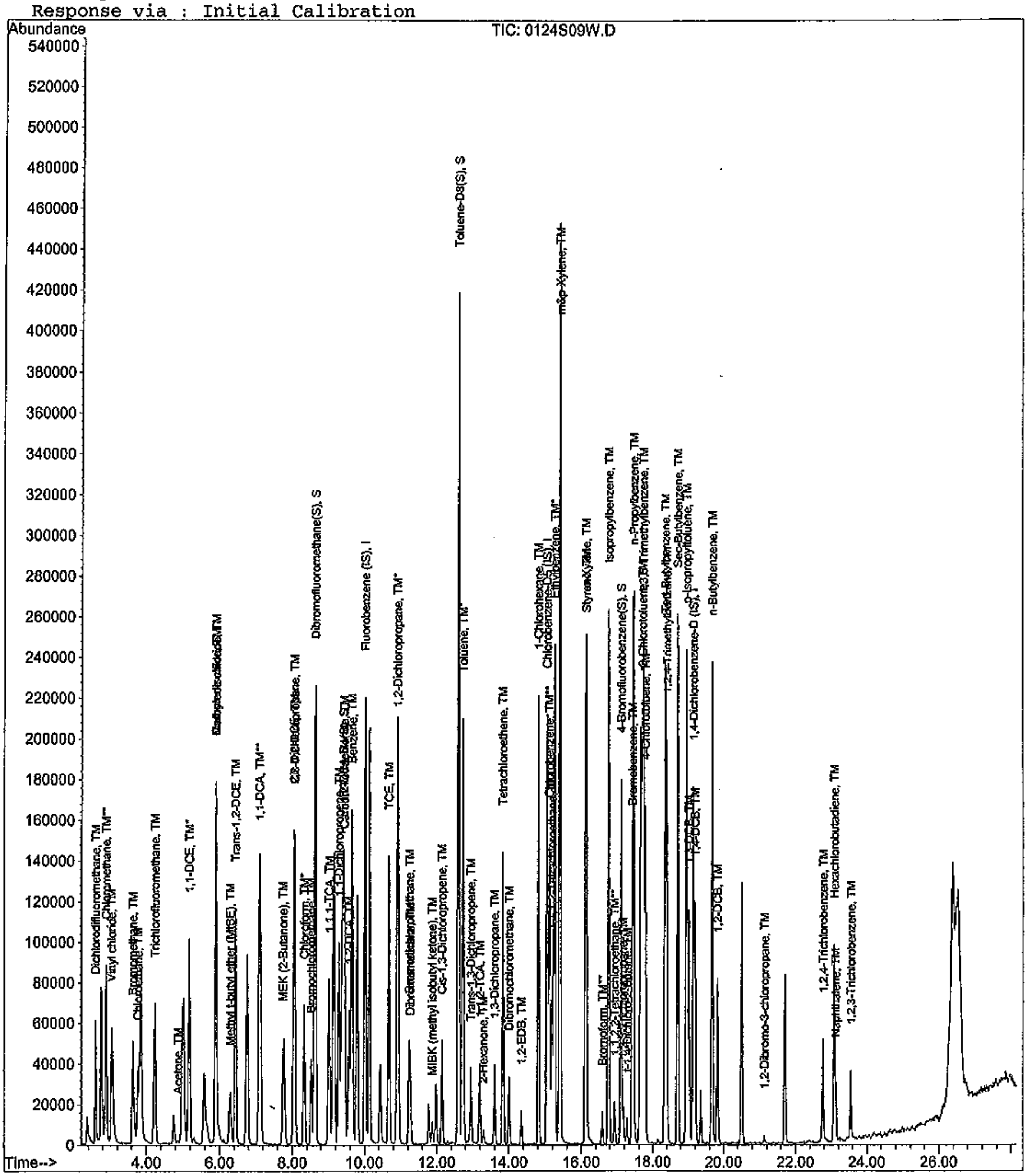
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S09W.D        Vial: 9
Acq On    : 24 Jan 11  15:42                       Operator: GM
Sample    : Vol Std 01-24-11@20ug/L                Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11               Multiplr: 1.00

Quant Time: Jan 26  9:12 2011            Quant Results File: S86ENVW.RES

Method        : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Wed Jan 26 09:10:39 2011
Response via  : Initial Calibration
```



Quantitation Report (Not Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110124\0124S10W.D         Vial: 10
Acq On    : 24 Jan 11  16:18                         Operator: GM
Sample    : Vol Std 01-24-11@40ug/L                  Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Jan 26  9:12 2011              Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	116440	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	81520	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.15	152	84851	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	224800	80.14759 ppb	0.00
Spiked Amount 22.854			Recovery	= 350.703%	
23) 1,2-DCA-D4(S)	9.42	65	110362	81.63596 ppb	0.00
Spiked Amount 21.589			Recovery	= 378.135%	
36) Toluene-D8(S)	12.59	98	937191	76.97584 ppb	0.00
Spiked Amount 25.102			Recovery	= 306.657%	
44) 4-Bromofluorobenzene(S)	17.10	95	226504	78.23176 ppb	0.00
Spiked Amount 25.458			Recovery	= 307.293%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.59	85	75208	41.77865 ppb		100
3) Chloromethane	2.88	50	332688	39.24716 ppb		97
4) Vinyl chloride	3.03	62	64592	33.42181 ppb		94
5) Bromomethane	3.63	94	36536	37.09145 ppb		91
6) Chloroethane	3.77	64	141956	39.38657 ppb		93
7) Trichlorofluoromethane	4.23	101	226641	41.49768 ppb		95
8) Acetone	4.86	43	6874	35.37348 ppb	#	86
9) 1,1-DCE	5.17	96	147014	38.77382 ppb		98
10) Methylene chloride	5.89	84	87177	41.02677 ppb		96
11) Carbon disulfide	5.90	76	659459	39.46203 ppb		98
12) Methyl t-butyl ether (MtBE	6.30	73	119767	41.42688 ppb		91
13) Trans-1,2-DCE	6.44	96	149562	39.30179 ppb		95
14) 1,1-DCA	7.08	63	259109	40.23391 ppb		97
15) MEK (2-Butanone)	7.74	43	7473	40.13117 ppb		98
16) Cis-1,2-DCE	8.06	96	130733	39.67327 ppb		99
17) 2,2-Dichloropropane	8.05	77	198667	39.33607 ppb		99
18) Chloroform	8.33	83	180394	40.43528 ppb		98
19) Bromochloromethane	8.53	128	36097	40.38750 ppb		89
21) 1,1,1-TCA	9.02	97	201549	40.04258 ppb		97
22) 1,1-Dichloropropene	9.29	75	211279	39.65471 ppb		98
24) Carbon Tetrachloride	9.45	117	176563	39.68594 ppb		94
25) 1,2-DCA	9.56	62	60324	38.71246 ppb		100
26) Benzene	9.65	78	522915	38.55532 ppb		95
27) TCE	10.67	95	145663	39.20408 ppb		95
28) 1,2-Dichloropropane	10.91	63	113578	39.75912 ppb		99
29) Bromodichloromethane	11.24	83	97774	39.39370 ppb		95
30) Dibromomethane	11.27	93	34396	42.50553 ppb		96
31) Cis-1,3-Dichloropropene	12.14	75	122944	41.54685 ppb		94
32) Toluene	12.73	92	318241	38.59740 ppb		99
33) Trans-1,3-Dichloropropene	12.94	75	74480	41.47741 ppb		89
34) 1,1,2-TCA	13.19	83	38796	42.95198 ppb		98
37) 1,2-EDB	14.34	107	40053	40.84726 ppb	#	91
38) Tetrachloroethene	13.84	164	112025	38.57944 ppb		98
39) 1-Chlorohexane	14.82	91	239796	39.39030 ppb		96
40) 1,1,1,2-Tetrachloroethane	15.19	131	83698	40.02929 ppb	#	84
41) m&p-Xylene	15.40	106	457137	77.95407 ppb		96
42) o-Xylene	16.12	106	195692	39.15126 ppb		95
43) Styrene	16.14	104	281932	40.73646 ppb		95
45) 2-Hexanone	13.29	58	11308	42.01824 ppb	#	65

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S10W.D   Vial: 10
Acq On : 24 Jan 11 16:18   Operator: GM
Sample : Vol Std 01-24-11@40ug/L   Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:12 2011   Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.60	76	72226	40.09431	ppb		88
47)	Dibromochloromethane	14.00	129	59205	41.58820	ppb		100
48)	Chlorobenzene	15.11	112	275373	39.04771	ppb		97
49)	Ethylbenzene	15.26	91	598553	38.04488	ppb		99
50)	Bromoform	16.59	173	26662	40.11398	ppb		100
52)	MIBK (methyl isobutyl keto	11.88	43	32616	41.34027	ppb		96
53)	Isopropylbenzene	16.75	105	617754	38.70347	ppb		100
54)	1,1,2,2-Tetrachloroethane	16.93	83	39316	40.19705	ppb	#	76
55)	t-1,4-Dichloro-2-Butene	17.27	53	8622	39.37423	ppb	#	64
56)	1,2,3-Trichloropropane	17.17	110	8055	41.07942	ppb		86
57)	Bromobenzene	17.41	156	83610	40.26819	ppb		96
58)	n-Propylbenzene	17.45	91	743956	39.01046	ppb		97
59)	2-Chlorotoluene	17.69	91	403110	38.11819	ppb		98
60)	1,3,5-Trimethylbenzene	17.73	105	445281	39.50314	ppb		94
61)	4-Chlorotoluene	17.78	91	321642	39.07773	ppb		97
62)	Tert-Butylbenzene	18.33	119	492911	39.00598	ppb		100
63)	1,2,4-Trimethylbenzene	18.39	105	404583	39.31988	ppb		98
64)	Sec-Butylbenzene	18.72	105	698872	39.50706	ppb		100
65)	p-Isopropyltoluene	18.96	119	548190	39.67594	ppb		97
66)	1,3-DCB	19.03	146	173534	39.99996	ppb		98
67)	1,4-DCB	19.20	146	160787	40.65373	ppb		97
68)	n-Butylbenzene	19.67	91	467621	38.99776	ppb		98
69)	1,2-DCB	19.82	146	125841	42.36930	ppb		95
70)	1,2-Dibromo-3-chloropropan	21.12	75	3392	38.02296	ppb	#	55
71)	1,2,4-Trichlorobenzene	22.76	180	22656	42.63179	ppb		97
72)	Hexachlorobutadiene	23.08	225	25520	38.77535	ppb		98
73)	Naphthalene	23.12	128	63986	43.09201	ppb		98
74)	1,2,3-Trichlorobenzene	23.55	180	36884	44.05107	ppb		96

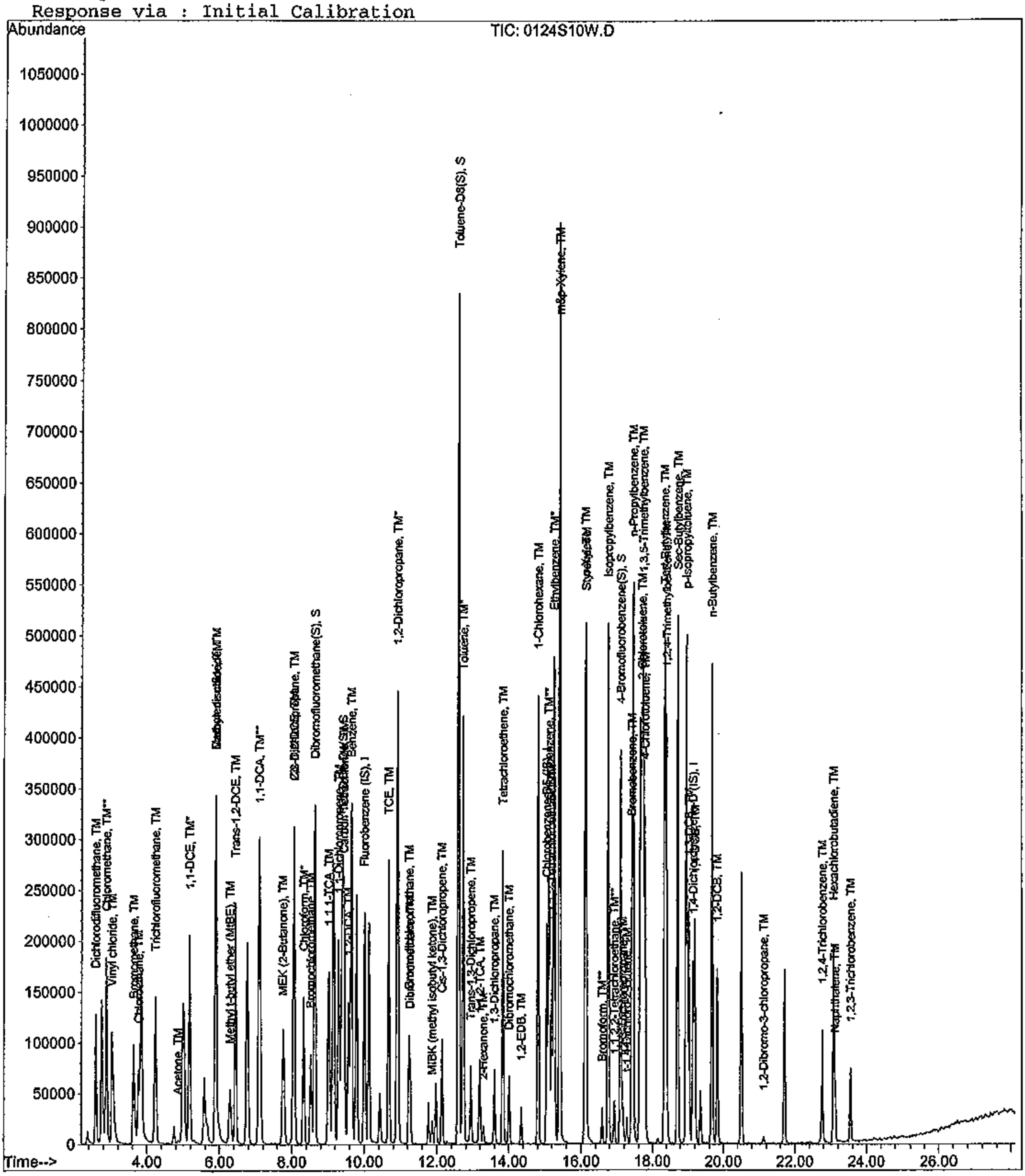
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110124\0124S10W.D Vial: 10
Acq On : 24 Jan 11 16:18 Operator: GM
Sample : Vol Std 01-24-11@40ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110124\0124S11W.D          Vial: 11
Acq On    : 24 Jan 11  16:54                          Operator: GM
Sample    : Vol Std 01-24-11@100ug/L                  Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11                  Multiplr: 1.00

Quant Time: Jan 26  9:12 2011            Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	10.02	96	113472	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	15.05	117	78152	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	83642	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.64	111	287058	105.02127 ppb		0.00
Spiked Amount 22.854			Recovery	= 459.540%		
23) 1,2-DCA-D4(S)	9.42	65	140008	106.27431 ppb		0.00
Spiked Amount 21.589			Recovery	= 492.257%		
36) Toluene-D8(S)	12.60	98	1195174	102.39566 ppb		0.00
Spiked Amount 25.102			Recovery	= 407.925%		
44) 4-Bromofluorobenzene(S)	17.10	95	293821	105.85567 ppb		0.00
Spiked Amount 25.458			Recovery	= 415.799%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.59	85	189824	108.20690 ppb		98
3) Chloromethane	2.88	50	844462	102.22678 ppb		96
4) Vinyl chloride	3.02	62	199360	105.85290 ppb		94
5) Bromomethane	3.63	94	99256	103.40060 ppb		92
6) Chloroethane	3.77	64	370874	105.59279 ppb		94
7) Trichlorofluoromethane	4.23	101	587573	110.39787 ppb		97
8) Acetone	4.86	43	19570	103.34097 ppb		90
9) 1,1-DCE	5.17	96	369477	99.99558 ppb		97
10) Methylene chloride	5.89	84	216967	104.77859 ppb		100
11) Carbon disulfide	5.90	76	1668311	102.44296 ppb		98
12) Methyl t-butyl ether (MtBE	6.28	73	300508	106.66320 ppb		95
13) Trans-1,2-DCE	6.45	96	376809	101.60751 ppb		96
14) 1,1-DCA	7.09	63	629463	100.29826 ppb		99
15) MEK (2-Butanone)	7.74	43	17142	94.46301 ppb	#	82
16) Cis-1,2-DCE	8.06	96	320138	99.69272 ppb		96
17) 2,2-Dichloropropane	8.05	77	484789	98.49892 ppb		98
18) Chloroform	8.33	83	456073	104.90260 ppb		96
19) Bromochloromethane	8.53	128	90781	104.80267 ppb		89
21) 1,1,1-TCA	9.02	97	502367	102.41794 ppb		94
22) 1,1-Dichloropropene	9.29	75	527295	101.55599 ppb		96
24) Carbon Tetrachloride	9.45	117	448304	103.40060 ppb		96
25) 1,2-DCA	9.56	62	148611	95.97895 ppb		97
26) Benzene	9.65	78	1318072	99.72542 ppb		96
27) TCE	10.67	95	368344	101.73000 ppb		95
28) 1,2-Dichloropropane	10.90	63	278296	99.96846 ppb		99
29) Bromodichloromethane	11.24	83	249466	103.14025 ppb		100
30) Dibromomethane	11.27	93	85247	108.10110 ppb		95
31) Cis-1,3-Dichloropropene	12.14	75	312979	108.53240 ppb		94
32) Toluene	12.73	92	797658	99.27322 ppb		97
33) Trans-1,3-Dichloropropene	12.94	75	200353	114.49362 ppb		100
34) 1,1,2-TCA	13.19	83	97066	110.27495 ppb		96
37) 1,2-EDB	14.35	107	106035	112.79794 ppb	#	96
38) Tetrachloroethene	13.84	164	286660	102.97508 ppb		96
39) 1-Chlorohexane	14.82	91	599378	102.70042 ppb		95
40) 1,1,1,2-Tetrachloroethane	15.19	131	210752	105.13773 ppb		91
41) m&p-Xylene	15.41	106	1131471	201.26114 ppb		97
42) o-Xylene	16.11	106	491571	102.58480 ppb		93
43) Styrene	16.14	104	715938	107.90422 ppb		98
45) 2-Hexanone	13.29	58	27165	102.35754 ppb	#	70

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S11W.D Vial: 11
Acq On : 24 Jan 11 16:54 Operator: GM
Sample : Vol Std 01-24-11@100ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.60	76	181847	105.29783	ppb		92
47)	Dibromochloromethane	14.00	129	153773	112.67197	ppb		91
48)	Chlorobenzene	15.12	112	710949	105.15665	ppb		97
49)	Ethylbenzene	15.27	91	1547545	102.60322	ppb		98
50)	Bromoform	16.59	173	64991	100.31200	ppb		95
52)	MIBK (methyl isobutyl keto	11.87	43	80874	105.49937	ppb		96
53)	Isopropylbenzene	16.76	105	1574218	100.05339	ppb		100
54)	1,1,2,2-Tetrachloroethane	16.92	83	101634	105.41356	ppb	#	75
55)	t-1,4-Dichloro-2-Butene	17.27	53	21799	101.13785	ppb		79
56)	1,2,3-Trichloropropane	17.17	110	20740	107.30009	ppb		92
57)	Bromobenzene	17.41	156	209632	102.42218	ppb		96
58)	n-Propylbenzene	17.45	91	1912388	101.72845	ppb		100
59)	2-Chlorotoluene	17.69	91	1062253	101.89883	ppb		100
60)	1,3,5-Trimethylbenzene	17.73	105	1107919	99.70984	ppb		99
61)	4-Chlorotoluene	17.78	91	802160	98.86673	ppb		100
62)	Tert-Butylbenzene	18.34	119	1243925	99.85950	ppb		99
63)	1,2,4-Trimethylbenzene	18.39	105	1026992	101.25212	ppb		98
64)	Sec-Butylbenzene	18.72	105	1762175	101.05519	ppb		99
65)	p-Isopropyltoluene	18.96	119	1336933	98.16086	ppb		98
66)	1,3-DCB	19.03	146	433779	101.43224	ppb		97
67)	1,4-DCB	19.20	146	414817	106.39926	ppb		100
68)	n-Butylbenzene	19.67	91	1207694	102.17275	ppb		99
69)	1,2-DCB	19.82	146	305639	104.39277	ppb		96
70)	1,2-Dibromo-3-chloropropan	21.12	75	8943	101.69648	ppb	#	55
71)	1,2,4-Trichlorobenzene	22.76	180	56208	107.29538	ppb		98
72)	Hexachlorobutadiene	23.08	225	64128	97.68178	ppb		93
73)	Naphthalene	23.12	128	161698	110.47117	ppb		97
74)	1,2,3-Trichlorobenzene	23.54	180	87204	105.65436	ppb		100

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S11W.D           Vial: 11
Acq On    : 24 Jan 11  16:54                            Operator: GM
Sample    : Vol Std 01-24-11@100ug/L                    Inst     : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11                    Multiplr: 1.00

Quant Time: Jan 26  9:12 2011               Quant Results File: S86ENVW.RES

Method       : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
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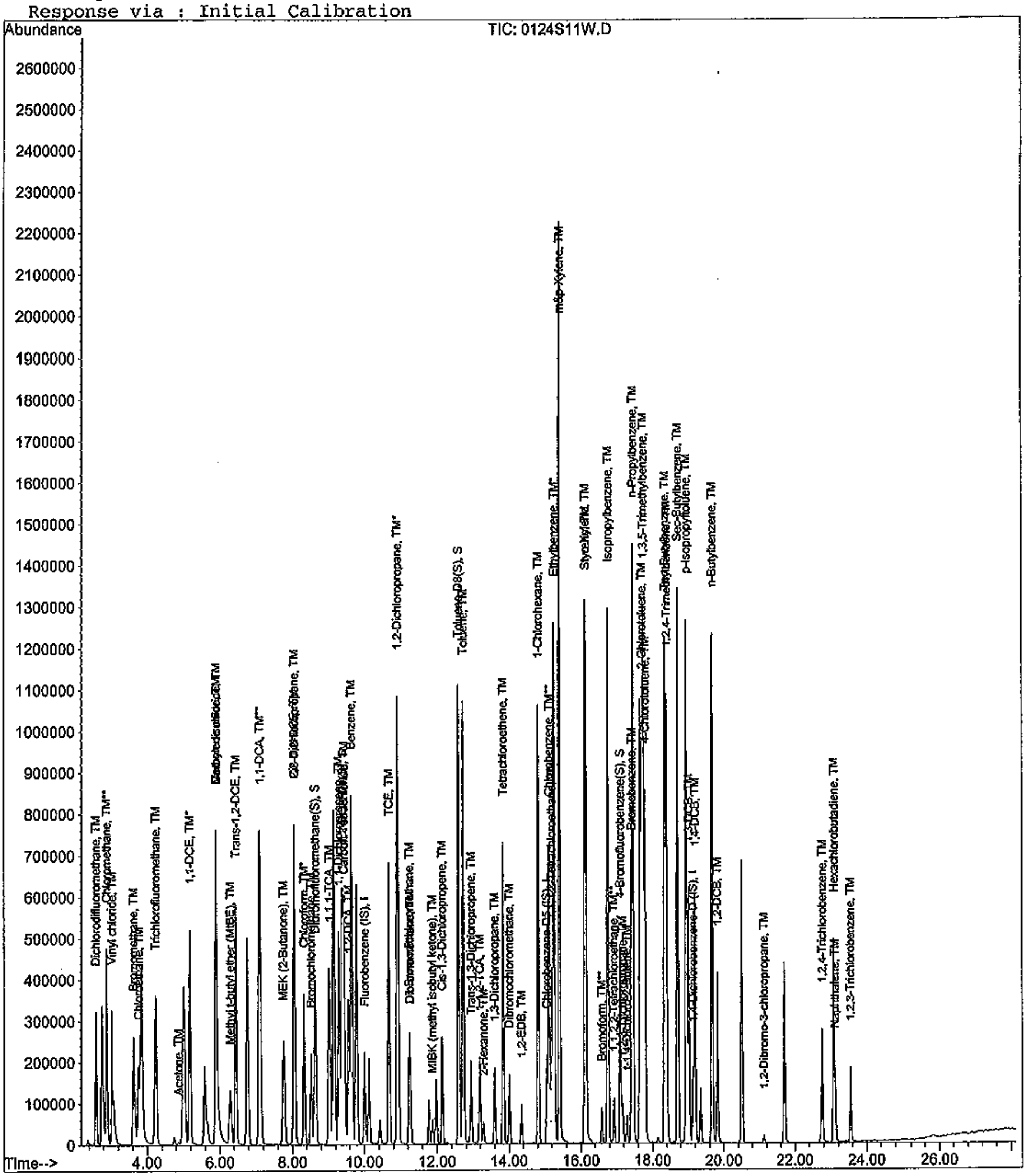

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S12W.D Vial: 12
Acq On : 24 Jan 11 17:30 Operator: GM
Sample : Vol Std 01-24-11@200ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	10.01	96	111096	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	15.06	117	75248	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	19.15	152	82638	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.64	111	414754	154.98458 ppb		0.00
Spiked Amount 22.854			Recovery	= 678.167%		
23) 1,2-DCA-D4(S)	9.41	65	206297	159.94057 ppb		0.00
Spiked Amount 21.589			Recovery	= 740.841%		
36) Toluene-D8(S)	12.60	98	1728979	153.84567 ppb		0.00
Spiked Amount 25.102			Recovery	= 612.891%		
44) 4-Bromofluorobenzene(S)	17.09	95	421568	157.74081 ppb		0.00
Spiked Amount 25.458			Recovery	= 619.602%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.59	85	379712	221.07948 ppb		97
3) Chloromethane	2.88	50	1680939	207.83889 ppb		97
4) Vinyl chloride	3.02	62	383296	207.86880 ppb		94
5) Bromomethane	3.63	94	201600	214.50978 ppb		94
6) Chloroethane	3.77	64	726694	211.32444 ppb		92
7) Trichlorofluoromethane	4.23	101	1167319	224.01583 ppb		98
8) Acetone	4.86	43	36011	194.22592 ppb	#	74
9) 1,1-DCE	5.18	96	734679	203.08661 ppb		97
10) Methylene chloride	5.88	84	428861	211.53670 ppb		98
11) Carbon disulfide	5.90	76	3246585	203.62082 ppb		97
12) Methyl t-butyl ether (MtBE	6.30	73	576844	209.12562 ppb	#	100
13) Trans-1,2-DCE	6.44	96	751651	207.01941 ppb		98
14) 1,1-DCA	7.09	63	1266819	206.17123 ppb		98
15) MEK (2-Butanone)	7.74	43	32633	183.67395 ppb		93
16) Cis-1,2-DCE	8.06	96	641985	204.19326 ppb		99
17) 2,2-Dichloropropane	8.05	77	975994	202.54249 ppb		98
18) Chloroform	8.32	83	884013	207.68295 ppb		98
19) Bromochloromethane	8.53	128	167270	197.55645 ppb		92
21) 1,1,1-TCA	9.02	97	1014370	211.22319 ppb		96
22) 1,1-Dichloropropene	9.29	75	1092974	215.00671 ppb		97
24) Carbon Tetrachloride	9.45	117	909562	214.27576 ppb		96
25) 1,2-DCA	9.57	62	308697	202.24868 ppb		98
26) Benzene	9.65	78	2640983	204.09042 ppb		94
27) TCE	10.68	95	742058	209.32620 ppb		95
28) 1,2-Dichloropropane	10.90	63	532225	195.27273 ppb		99
29) Bromodichloromethane	11.24	83	491153	207.40725 ppb		97
30) Dibromomethane	11.28	93	167616	217.09847 ppb		94
31) Cis-1,3-Dichloropropene	12.14	75	607397	215.13305 ppb		92
32) Toluene	12.72	92	1580251	200.87770 ppb		97
33) Trans-1,3-Dichloropropene	12.94	75	372110	217.19362 ppb		97
34) 1,1,2-TCA	13.19	83	192629	223.52273 ppb		95
37) 1,2-EDB	14.34	107	201253	222.35118 ppb	#	89
38) Tetrachloroethene	13.83	164	571501	213.21963 ppb		96
39) 1-Chlorohexane	14.82	91	1260863	224.38017 ppb		94
40) 1,1,1,2-Tetrachloroethane	15.19	131	415536	215.29833 ppb		91
41) m&p-Xylene	15.41	106	2206126	407.56038 ppb		96
42) o-Xylene	16.12	106	963090	208.74148 ppb		95
43) Styrene	16.15	104	1390254	217.62176 ppb		94
45) 2-Hexanone	13.28	58	51240	198.65561 ppb		83

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S12W.D Vial: 12
Acq On : 24 Jan 11 17:30 Operator: GM
Sample : Vol Std 01-24-11@200ug/L Inst : Sweetpea
Misc : Water 5mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.60	76	356814	214.58547	ppb		89
47)	Dibromochloromethane	14.01	129	286214	217.80699	ppb		93
48)	Chlorobenzene	15.12	112	1401871	215.35327	ppb		99
49)	Ethylbenzene	15.26	91	3088238	212.65403	ppb		99
50)	Bromoform	16.58	173	125401	199.92746	ppb		94
52)	MIBK (methyl isobutyl keto	11.86	43	148642	197.11574	ppb		94
53)	Isopropylbenzene	16.76	105	3200864	205.91062	ppb		99
54)	1,1,2,2-Tetrachloroethane	16.92	83	190503	199.98797	ppb	#	70
55)	t-1,4-Dichloro-2-Butene	17.28	53	42448	199.42538	ppb		83
56)	1,2,3-Trichloropropane	17.16	110	39397	206.29993	ppb		91
57)	Bromobenzene	17.41	156	405439	200.49639	ppb		92
58)	n-Propylbenzene	17.45	91	3745903	201.68219	ppb		98
59)	2-Chlorotoluene	17.69	91	2034812	197.56505	ppb		100
60)	1,3,5-Trimethylbenzene	17.73	105	2210308	201.33877	ppb		98
61)	4-Chlorotoluene	17.78	91	1562689	194.94241	ppb		97
62)	Tert-Butylbenzene	18.34	119	2414966	196.22341	ppb		98
63)	1,2,4-Trimethylbenzene	18.40	105	1966823	196.26685	ppb		99
64)	Sec-Butylbenzene	18.71	105	3559930	206.63108	ppb		100
65)	p-Isopropyltoluene	18.96	119	2751693	204.49057	ppb		98
66)	1,3-DCB	19.03	146	831790	196.86377	ppb		98
67)	1,4-DCB	19.20	146	787908	204.55127	ppb		100
68)	n-Butylbenzene	19.67	91	2453555	210.09638	ppb		99
69)	1,2-DCB	19.82	146	595547	205.88387	ppb		97
70)	1,2-Dibromo-3-chloropropan	21.13	75	16542	190.39490	ppb	#	49
71)	1,2,4-Trichlorobenzene	22.76	180	102336	197.72243	ppb		94
72)	Hexachlorobutadiene	23.08	225	131136	201.37397	ppb		95
73)	Naphthalene	23.12	128	303213	209.67021	ppb		98
74)	1,2,3-Trichlorobenzene	23.55	180	168625	206.78431	ppb		99

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S12W.D          Vial: 12
Acq On    : 24 Jan 11  17:30                         Operator: GM
Sample    : Vol Std 01-24-11@200ug/L                 Inst    : Sweetpea
Misc      : Water 5mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Jan 26  9:12 2011              Quant Results File: S86ENVW.RES

Method         : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Wed Jan 26 09:10:39 2011
Response via   : Initial Calibration
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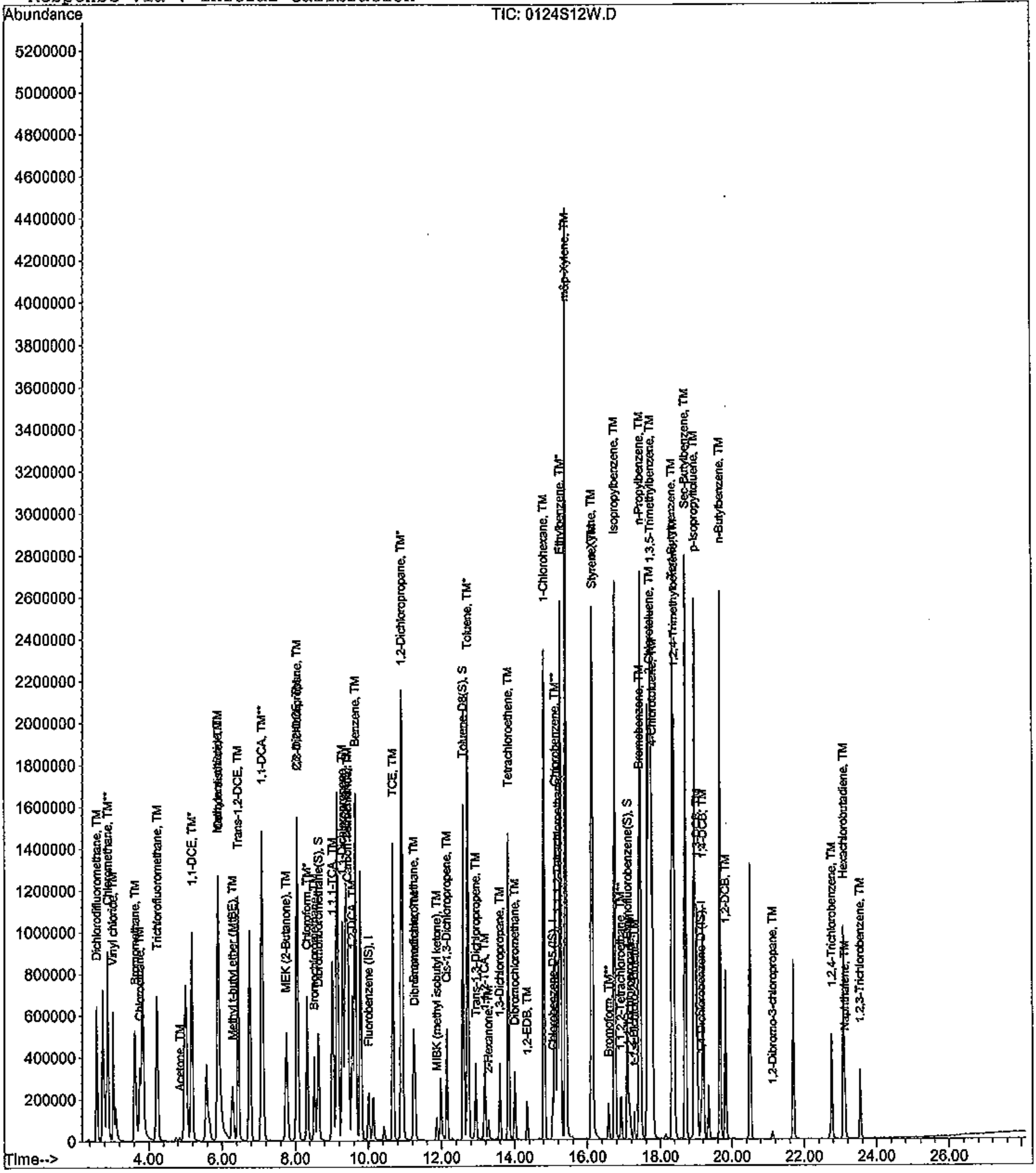
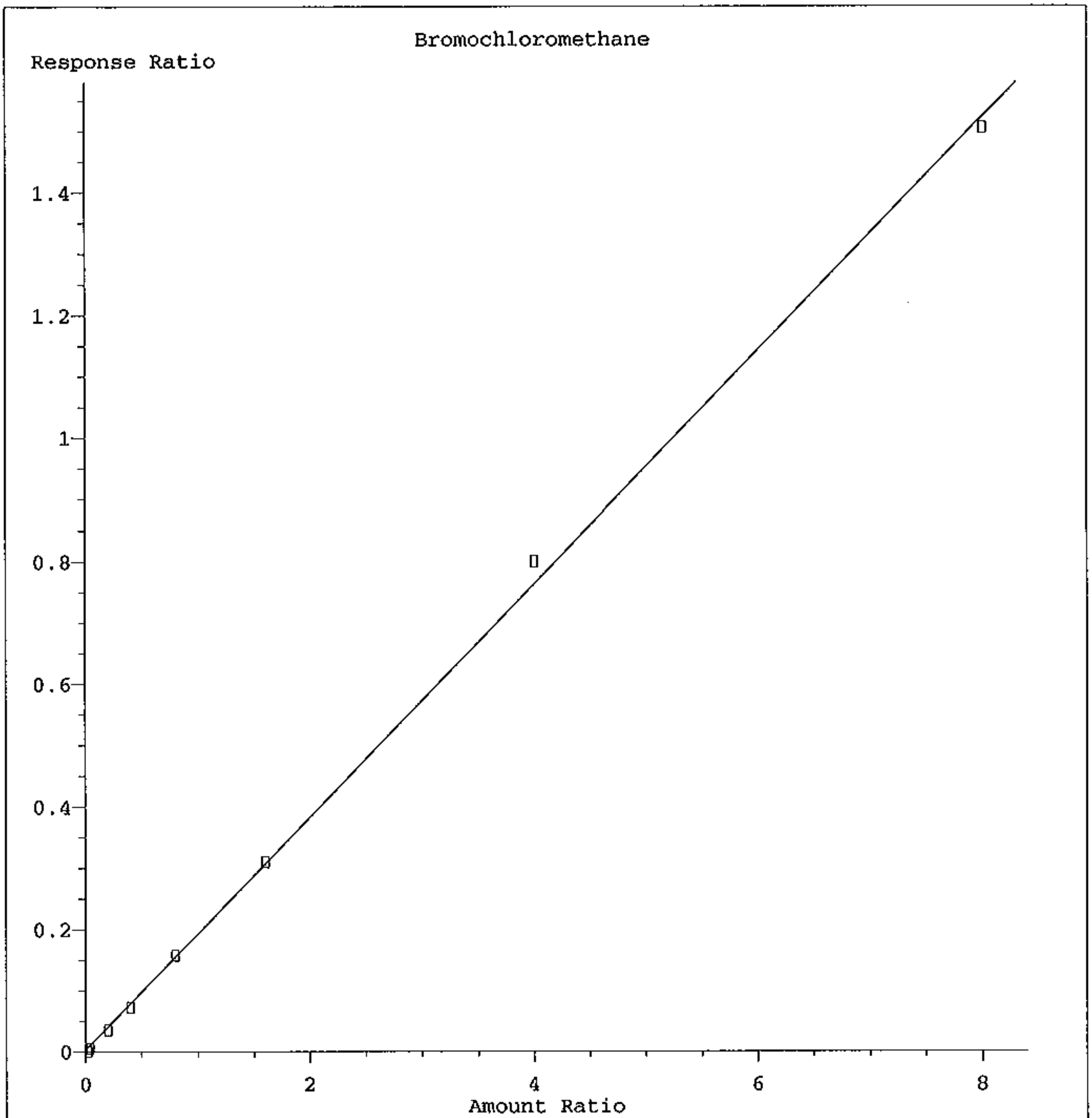
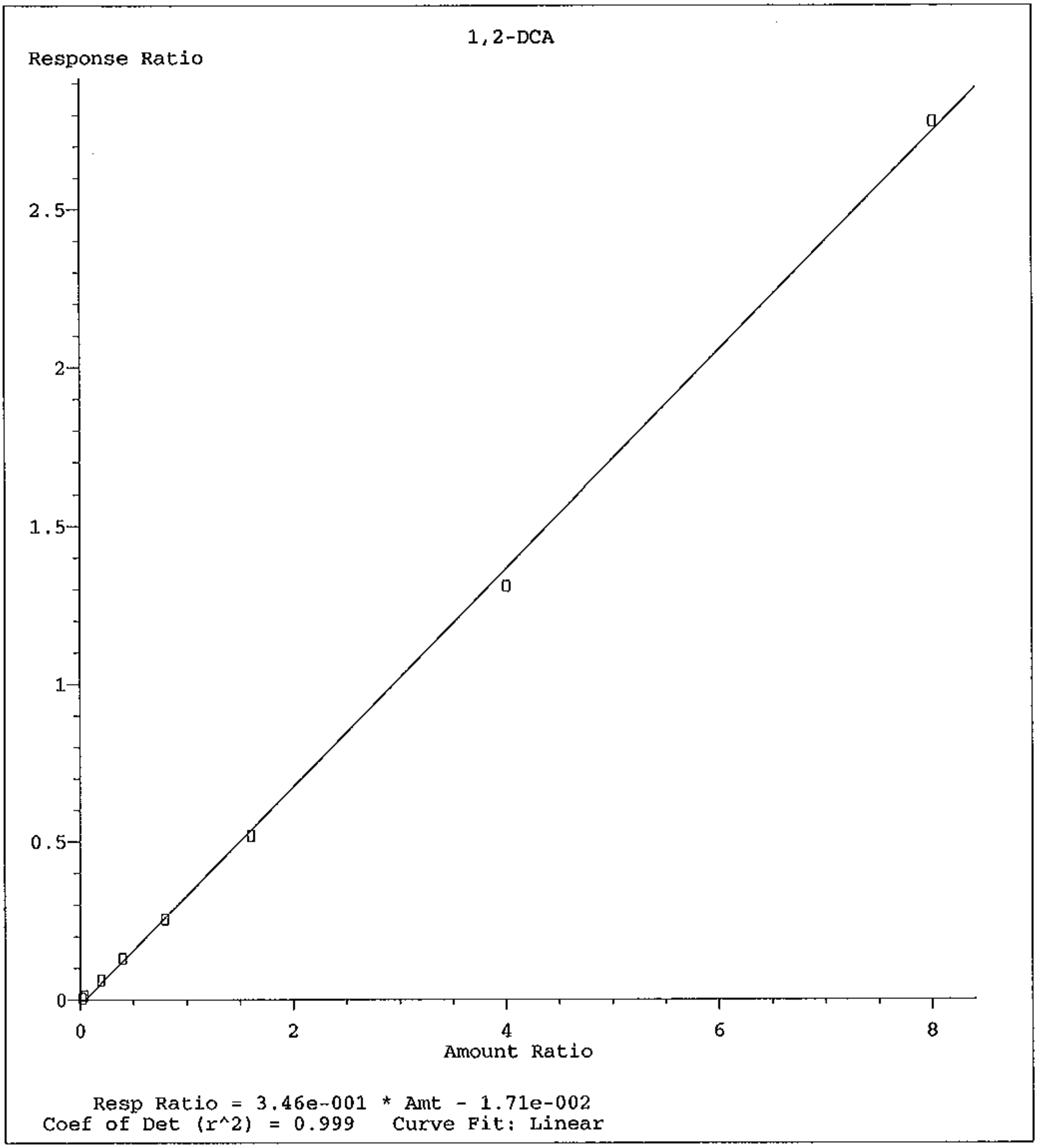


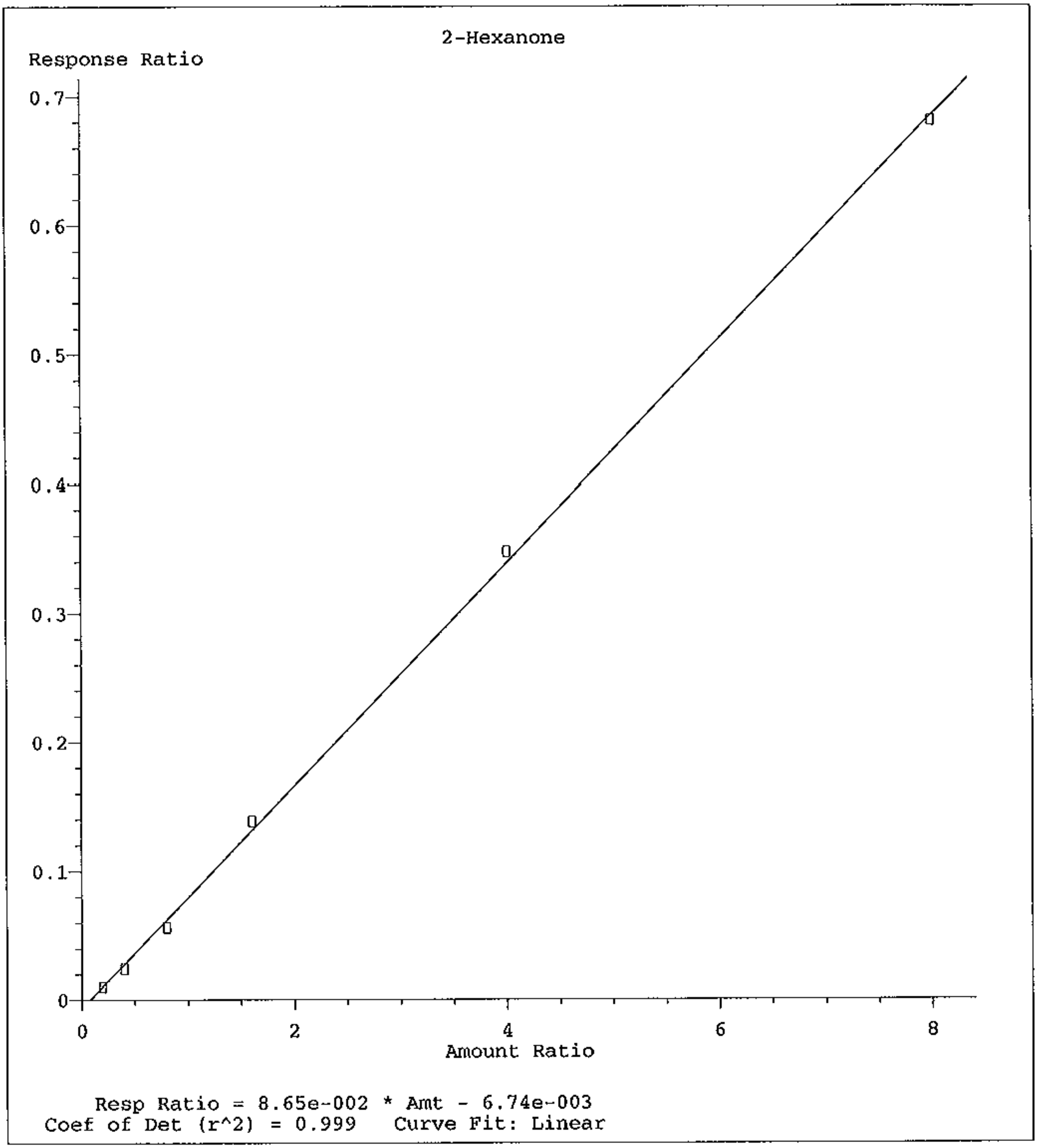


Resp Ratio = 1.90e-001 * Amt + 2.77e-003
Coef of Det (r^2) = 0.999   Curve Fit: Linear

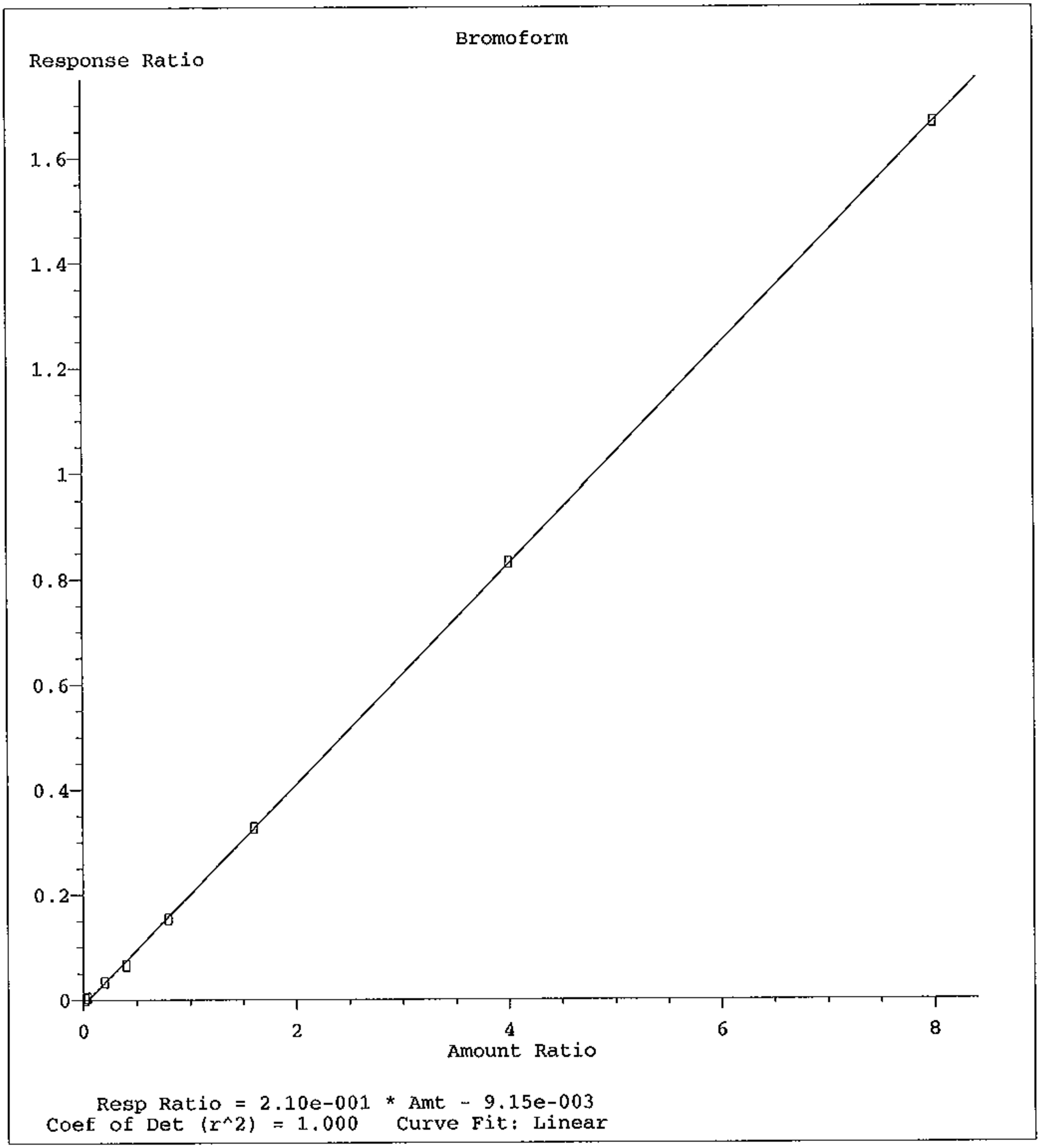
Method Name: M:\SWEETPEA\DATA\S110124\S86ENVW.M
Calibration Table Last Updated: Wed Jan 26 09:10:39 2011



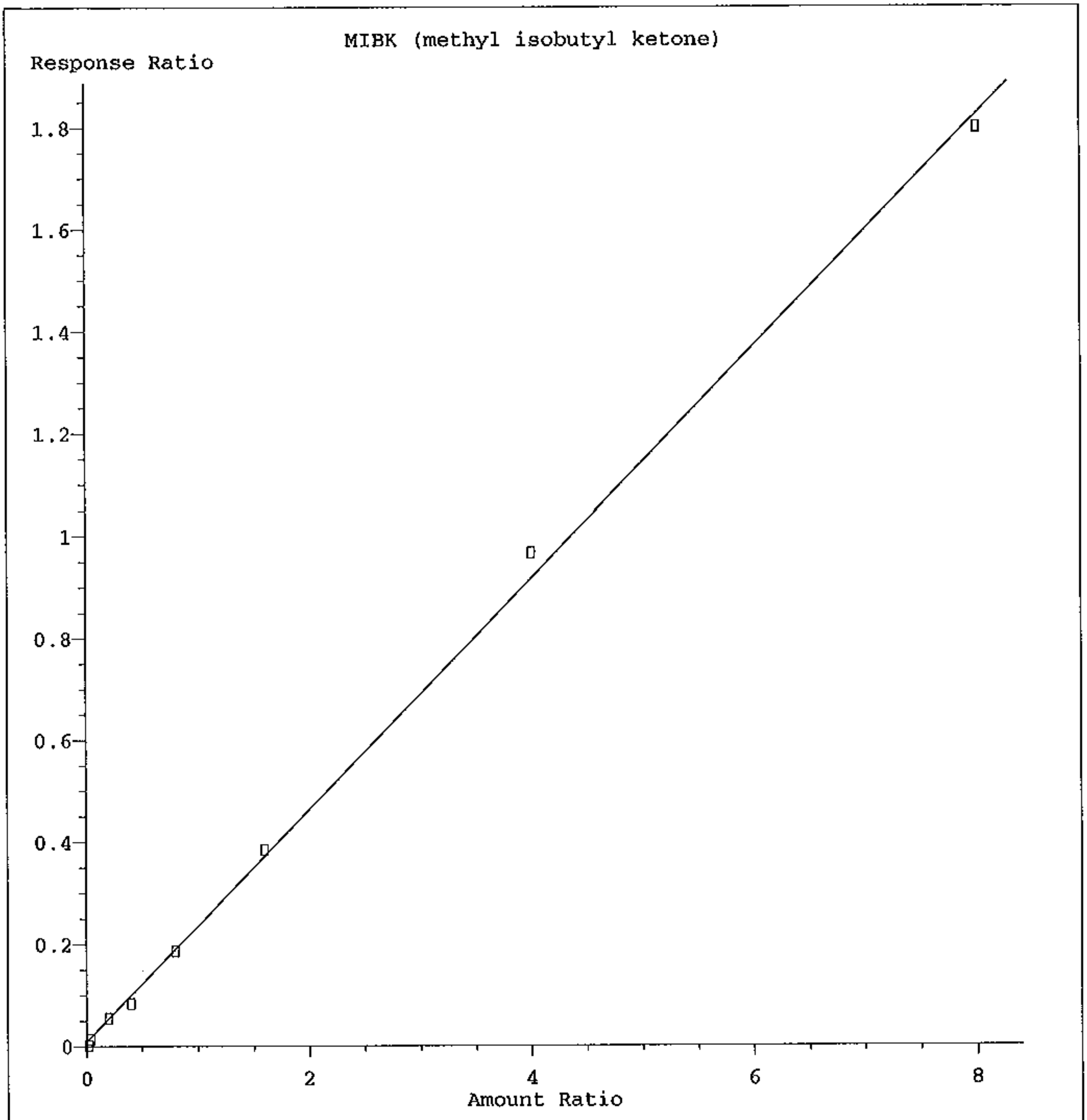
Method Name: M:\SWEETPEA\DATA\S110124\S86ENVW.M
Calibration Table Last Updated: Wed Jan 26 09:10:39 2011



Method Name: M:\SWEETPEA\DATA\S110124\S86ENVW.M
Calibration Table Last Updated: Wed Jan 26 09:10:39 2011

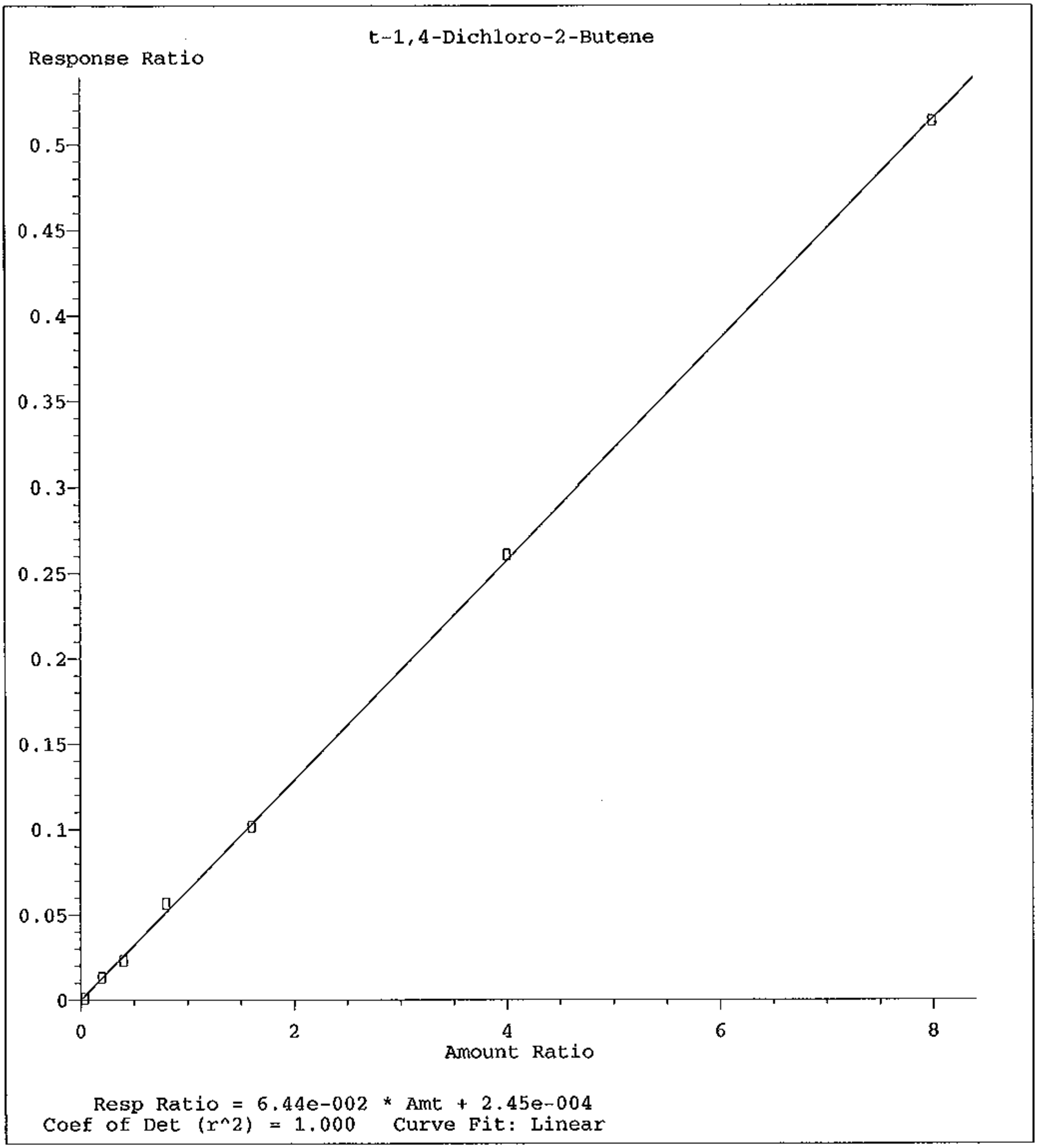


Method Name: M:\SWEETPEA\DATA\S110124\S86ENVW.M
Calibration Table Last Updated: Wed Jan 26 09:10:39 2011

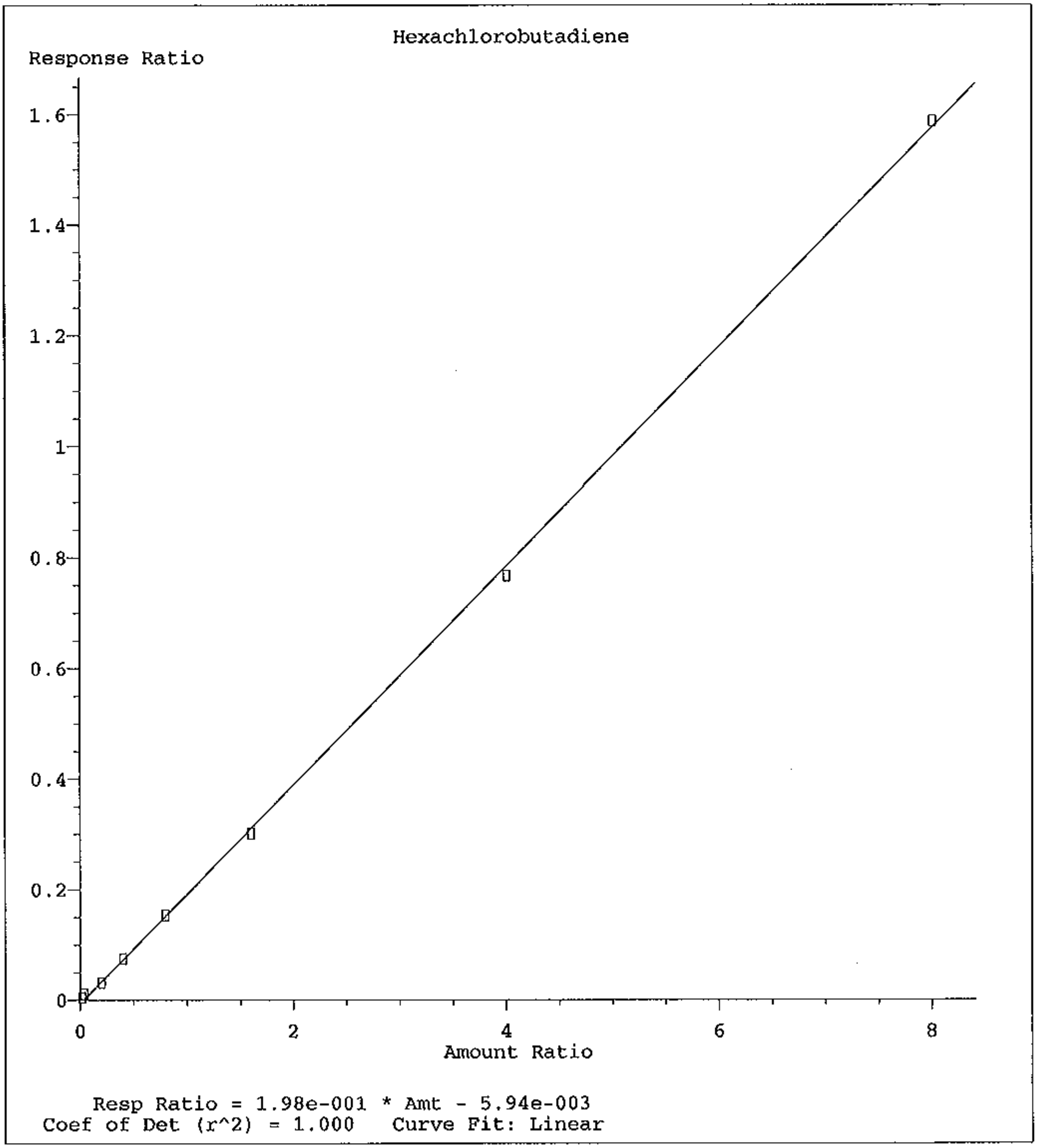


Resp Ratio = 2.27e-001 * Amt + 9.05e-003
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: M:\SWEETPEA\DATA\S110124\S86ENVW.M
Calibration Table Last Updated: Wed Jan 26 09:10:39 2011



Method Name: M:\SWEETPEA\DATA\S110124\S86ENVW.M
Calibration Table Last Updated: Wed Jan 26 09:10:39 2011



Method Name: M:\SWEETPEA\DATA\S110124\S86ENVW.M
Calibration Table Last Updated: Wed Jan 26 09:10:39 2011

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration/CCV

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

SDG No: 63694
Date Analyzed: 1/24/11
Instrument: Sweetpea
Initial Cal. Date: 1/24/11
Data File: 0124S17W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Dichlorodifluoromethane	0.3865	0.3252	16	TM	
3	TM**	Chloromethane	1.820	1.715	5.8	TM**	
4	TM*	Vinyl chloride	0.4149	0.4431	6.8	TM*	
5	TM	Bromomethane	0.2115	0.2138	1.1	TM	
6	TM	Chloroethane	0.7738	0.8625	11	TM	
7	TM	Trichlorofluoromethane	1.173	1.202	2.5	TM	
8	TM	Acetone	0.0417	0.0461	10	TM	
9	TM*	1,1-DCE	0.8141	0.8626	6.0	TM*	
10	TM	Methylene chloride	0.4562	0.4589	0.59	TM	
11	TM	Carbon disulfide	3.588	3.920	9.3	TM	
12	TM	Methyl t-butyl ether (MtBE)	0.6207	0.5880	5.3	TM	
13	TM	Trans-1,2-DCE	0.8170	0.9006	10	TM	
14	TM**	1,1-DCA	1.383	1.410	2.0	TM**	
15	TM	MEK (2-Butanone)	0.0400	0.0365	8.7	TM	
16	TM	Cis-1,2-DCE	0.7075	0.6803	3.8	TM	
17	TM	2,2-Dichloropropane	1.084	1.080	0.42	TM	
18	TM*	Chloroform	0.9579	0.9418	1.7	TM*	
19	TML	Bromochloromethane	0.1614	0.1846	14	TML	6.6
20	S	Dibromofluoromethane(S)	0.6022	0.6427	6.7	S	
21	TM	1,1,1-TCA	1.081	1.172	8.5	TM	
22	TM	1,1-Dichloropropene	1.144	1.252	9.4	TM	
23	S	1,2-DCA-D4(S)	0.2903	0.3235	11	S	
24	TM	Carbon Tetrachloride	0.9552	1.017	6.5	TM	
25	TML	1,2-DCA	0.3053	0.3248	6.4	TML	6.3
26	TM	Benzene	2.912	2.981	2.4	TM	
27	TM	TCE	0.7977	0.8381	5.1	TM	
28	TM*	1,2-Dichloropropane	0.6133	0.6211	1.3	TM*	
29	TM	Bromodichloromethane	0.5329	0.5229	1.9	TM	
30	TM	Dibromomethane	0.1737	0.1660	4.5	TM	
31	TM	Cis-1,3-Dichloropropene	0.6353	0.6324	0.46	TM	
32	TM*	Toluene	1.770	1.822	2.9	TM*	
33	TM	Trans-1,3-Dichloropropene	0.3855	0.3647	5.4	TM	
34	TM	1,1,2-TCA	0.1939	0.2062	6.3	TM	
35	I	Chlorobenzene-D5 (IS)	ISTD			I	
36	S	Toluene-D8(S)	3.734	3.866	3.5	S	
37	TM	1,2-EDB	0.3007	0.2990	0.57	TM	
38	TM	Tetrachloroethene	0.8905	0.9941	12	TM	
39	TM	1-Chlorohexane	1.867	2.095	12	TM	
40	TM	1,1,1,2-Tetrachloroethane	0.6412	0.6298	1.8	TM	
		Average			5.9		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration/CCV

Lab Name: APPL, Inc. SDG No: 63694
Case No: Date Analyzed: 1/24/11
Matrix: 0 Instrument: Sweetpea
Cal. Date: 1/24/11
Data File: 0124S17W.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	m&p-Xylene	1.798	1.919	6.7	TM	
42	TM	o-Xylene	1.533	1.688	10	TM	
43	TM	Styrene	2.122	2.249	6.0	TM	
44	S	4-Bromofluorobenzene(S)	0.8879	0.9244	4.1	S	
45	TML	2-Hexanone	0.0733	0.0570	22	TML	15
46	TM	1,3-Dichloropropane	0.5524	0.5247	5.0	TM	
47	TM	Dibromochloromethane	0.4366	0.4374	0.18	TM	
48	TM**	Chlorobenzene	2.163	2.305	6.6	TM**	
49	TM*	Ethylbenzene	4.825	4.986	3.3	TM*	
50	TM**L	Bromoform	0.1602	0.1721	7.4	TM**L	6.9
51	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
52	TML	MIBK (methyl isobutyl ketone)	0.2305	0.2109	8.5	TML	17
53	TM	Isopropylbenzene	4.703	5.057	7.5	TM	
54	TM**	1,1,2,2-Tetrachloroethane	0.2882	0.2826	1.9	TM**	
55	TML	t-1,4-Dichloro-2-Butene	0.0586	0.0542	7.5	TML	17
56	TM	1,2,3-Trichloropropane	0.0578	0.0649	12	TM	
57	TM	Bromobenzene	0.6118	0.6633	8.4	TM	
58	TM	n-Propylbenzene	5.619	6.196	10	TM	
59	TM	2-Chlorotoluene	3.116	3.188	2.3	TM	
60	TM	1,3,5-Trimethylbenzene	3.321	3.628	9.2	TM	
61	TM	4-Chlorotoluene	2.425	2.620	8.0	TM	
62	TM	Tert-Butylbenzene	3.723	4.000	7.4	TM	
63	TM	1,2,4-Trimethylbenzene	3.032	3.150	3.9	TM	
64	TM	Sec-Butylbenzene	5.212	5.738	10	TM	
65	TM	p-Isopropyltoluene	4.071	4.367	7.3	TM	
66	TM	1,3-DCB	1.278	1.329	3.9	TM	
67	TM	1,4-DCB	1.165	1.268	8.8	TM	
68	TM	n-Butylbenzene	3.533	3.916	11	TM	
69	TM	1,2-DCB	0.8751	0.9567	9.3	TM	
70	TM	1,2-Dibromo-3-chloropropane	0.0263	0.0239	9.0	TM	
71	TM	1,2,4-Trichlorobenzene	0.1566	0.1664	6.3	TM	
72	TML	Hexachlorobutadiene	0.2042	0.2116	3.6	TML	15
73	TM	Naphthalene	0.4375	0.4752	8.6	TM	
74	TM	1,2,3-Trichlorobenzene	0.2467	0.2930	19	TM	
75							
76							
77							
78							
79							
80							
		Average			7.7		

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S17W.D Vial: 17
Acq On : 24 Jan 11 22:18 Operator: GM
Sample : 110124A LCS-1SW (SS) Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	108064	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	71312	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	75271	25.00000 ppb	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
20) Dibromofluoromethane(S)	8.64	111	63495	24.39242 ppb	0.00
Spiked Amount 22.854			Recovery =	106.732%	
23) 1,2-DCA-D4(S)	9.41	65	30186	24.05962 ppb	-0.01
Spiked Amount 21.589			Recovery =	111.445%	
36) Toluene-D8(S)	12.59	98	276799	25.98917 ppb	-0.01
Spiked Amount 25.102			Recovery =	103.535%	
44) 4-Bromofluorobenzene(S)	17.10	95	67128	26.50407 ppb	0.00
Spiked Amount 25.458			Recovery =	104.107%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.59	85	14055	8.41283 ppb		95
3) Chloromethane	2.88	50	74128	9.42268 ppb		100
4) Vinyl chloride	3.05	62	19152	10.67792 ppb		95
5) Bromomethane	3.63	94	9241	10.10864 ppb		91
6) Chloroethane	3.77	64	37281	11.14559 ppb		94
7) Trichlorofluoromethane	4.23	101	51940	10.24728 ppb		94
8) Acetone	4.87	43	1992	11.04533 ppb		98
9) 1,1-DCE	5.16	96	37287	10.59640 ppb		99
10) Methylene chloride	5.89	84	19837	10.05918 ppb		95
11) Carbon disulfide	5.89	76	169450	10.92583 ppb		95
12) Methyl t-butyl ether (MtBE	6.28	73	25418	9.47344 ppb		96
13) Trans-1,2-DCE	6.44	96	38928	11.02235 ppb		89
14) 1,1-DCA	7.08	63	60953	10.19826 ppb		98
15) MEK (2-Butanone)	7.75	43	1577	9.12514 ppb		95
16) Cis-1,2-DCE	8.05	96	29406	9.61546 ppb		93
17) 2,2-Dichloropropane	8.04	77	46676	9.95818 ppb		94
18) Chloroform	8.32	83	40711	9.83267 ppb		98
19) Bromochloromethane	8.52	128	7978	9.34115 ppb		87
21) 1,1,1-TCA	9.02	97	50676	10.84838 ppb		98
22) 1,1-Dichloropropene	9.28	75	54097	10.94039 ppb		96
24) Carbon Tetrachloride	9.45	117	43963	10.64745 ppb		89
25) 1,2-DCA	9.56	62	14040	10.63297 ppb		97
26) Benzene	9.64	78	128845	10.23628 ppb		95
27) TCE	10.67	95	36226	10.50566 ppb		92
28) 1,2-Dichloropropane	10.89	63	26848	10.12688 ppb	#	95
29) Bromodichloromethane	11.23	83	22603	9.81275 ppb		93
30) Dibromomethane	11.26	93	7174	9.55257 ppb		85
31) Cis-1,3-Dichloropropene	12.14	75	27338	9.95448 ppb		94
32) Toluene	12.72	92	78758	10.29243 ppb		95
33) Trans-1,3-Dichloropropene	12.94	75	15763	9.45871 ppb	#	82
34) 1,1,2-TCA	13.18	83	8914	10.63384 ppb		86
37) 1,2-EDB	14.34	107	8529	9.94323 ppb		90
38) Tetrachloroethene	13.83	164	28357	11.16356 ppb		96
39) 1-Chlorohexane	14.81	91	59769	11.22341 ppb		89
40) 1,1,1,2-Tetrachloroethane	15.19	131	17959	9.81853 ppb		86
41) m&p-Xylene	15.40	106	109457	21.33720 ppb		97
42) o-Xylene	16.11	106	48149	11.01188 ppb		92
43) Styrene	16.14	104	64159	10.59737 ppb		93
45) 2-Hexanone	13.31	58	1627	8.53796 ppb	#	31

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

Quantitation Report (Not Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110124\0124S17W.D          Vial: 17
Acq On    : 24 Jan 11   22:18                          Operator: GM
Sample    : 110124A LCS-1SW (SS)                       Inst    : Sweetpea
Misc      : Water 5mL w/IS&S: 01-17-11                 Multiplr: 1.00

Quant Time: Jan 26  9:12 2011              Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.60	76	14968	9.49849	ppb		89
47)	Dibromochloromethane	14.00	129	12476	10.01818	ppb		90
48)	Chlorobenzene	15.11	112	65763	10.66000	ppb		96
49)	Ethylbenzene	15.26	91	142215	10.33334	ppb		98
50)	Bromoform	16.58	173	4910	9.30623	ppb		90
52)	MIBK (methyl isobutyl keto	11.88	43	6350	8.29455	ppb		87
53)	Isopropylbenzene	16.75	105	152269	10.75413	ppb		96
54)	1,1,2,2-Tetrachloroethane	16.91	83	8509	9.80692	ppb		84
55)	t-1,4-Dichloro-2-Butene	17.27	53	1631	8.32135	ppb	#	92
56)	1,2,3-Trichloropropane	17.16	110	1953	11.22769	ppb		94
57)	Bromobenzene	17.40	156	19971	10.84259	ppb		94
58)	n-Propylbenzene	17.44	91	186546	11.02679	ppb		97
59)	2-Chlorotoluene	17.69	91	95994	10.23251	ppb		100
60)	1,3,5-Trimethylbenzene	17.72	105	109225	10.92317	ppb		98
61)	4-Chlorotoluene	17.77	91	78891	10.80472	ppb		97
62)	Tert-Butylbenzene	18.33	119	120435	10.74347	ppb		93
63)	1,2,4-Trimethylbenzene	18.38	105	94837	10.38991	ppb		95
64)	Sec-Butylbenzene	18.71	105	172753	11.00860	ppb		100
65)	p-Isopropyltoluene	18.95	119	131492	10.72815	ppb		98
66)	1,3-DCB	19.03	146	40002	10.39408	ppb		95
67)	1,4-DCB	19.19	146	38181	10.88244	ppb		98
68)	n-Butylbenzene	19.66	91	117897	11.08352	ppb		100
69)	1,2-DCB	19.82	146	28806	10.93305	ppb		93
70)	1,2-Dibromo-3-chloropropan	21.14	75	720	9.09812	ppb		95
71)	1,2,4-Trichlorobenzene	22.75	180	5009	10.62504	ppb		92
72)	Hexachlorobutadiene	23.07	225	6370	11.45013	ppb		94
73)	Naphthalene	23.12	128	14309	10.86301	ppb		99
74)	1,2,3-Trichlorobenzene	23.54	180	8821	11.87587	ppb	#	90

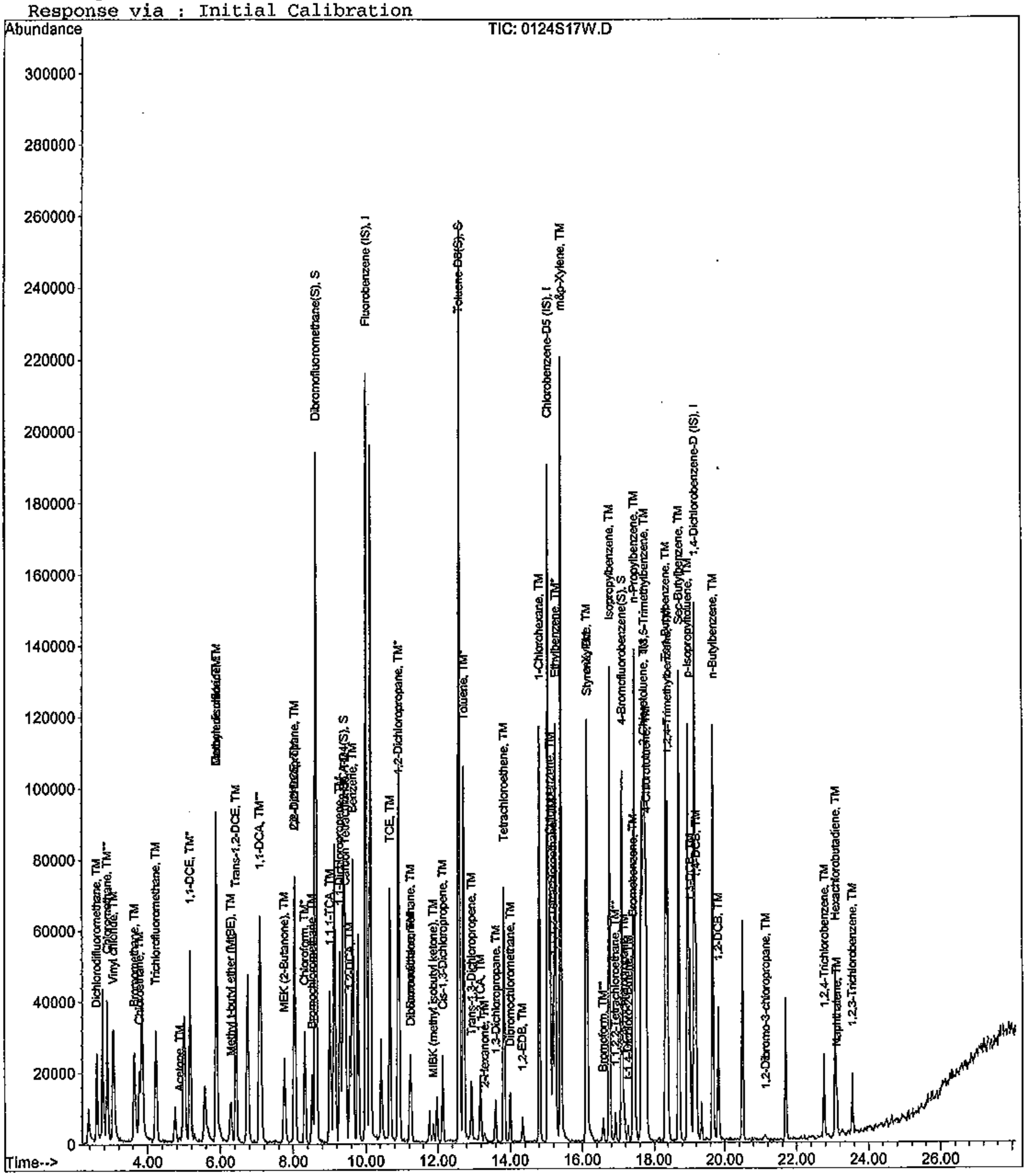
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S17W.D          Vial: 17
Acq On    : 24 Jan 11  22:18                         Operator: GM
Sample    : 110124A LCS-1SW (SS)                     Inst    : Sweetpea
Misc      : Water 5mL w/IS&S: 01-17-11               Multiplr: 1.00

Quant Time: Jan 26  9:12 2011               Quant Results File: S86ENVW.RES

Method         : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Wed Jan 26 09:10:39 2011
Response via   : Initial Calibration
```



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc.　　SDG No: 63694
Case No: 　　Initial Cal. Date: 1/26/11
Matrix: 　　Instrument: Sweetpea　　Initials:

			0126S04W.D	0126S05W.D	0126S06W.D	0126S07W.D	0126S08W.D	0126S09W.D	0126S10W.D							
		Compound	0.5	1	5	10	20	40	100				Avg	%RSD		
1	I	Fluorobenzene (IS)	ISTD													
2	TMHBL	Gasoline	26.1	11.3	6.184	3.445	2.764	2.921	2.746				7.9	108	TMHBL	0.993
3	S	Dibromofluoromethane(S)	3.135	3.037	3.195	3.157	3.080	3.164	3.094				3.1	1.8	S	
4	I	Chlorobenzene-D5 (IS)	ISTD													
5	S	Toluene-D8(S)	3.193	3.087	3.139	3.097	3.219	3.488	3.713				3.3	7.2	S	
6	S	4-Bromofluorobenzene(S)	1.593	1.599	1.572	1.612	1.541	1.573	1.639				1.6	2.0	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD													
8																
9																
10																
11																
12																
13																
14																
15																
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Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D Vial: 4
Acq On : 26 Jan 11 12:52 Operator: GM
Sample : Vol Std 01-26-11@20ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1097731	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	971926	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	876328	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3146124	22.94055 ppb	0.00
Spiked Amount 24.523				Recovery = 93.549%	
5) Toluene-D8(S)	12.35	TIC	3116426	24.46577 ppb	0.00
Spiked Amount 23.425				Recovery = 104.444%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1576750	25.51033 ppb	0.00
Spiked Amount 23.162				Recovery = 110.135%	
Target Compounds					Qvalue
2) Gasoline	9.77	TIC	22931866m	30.29746 ppb	100

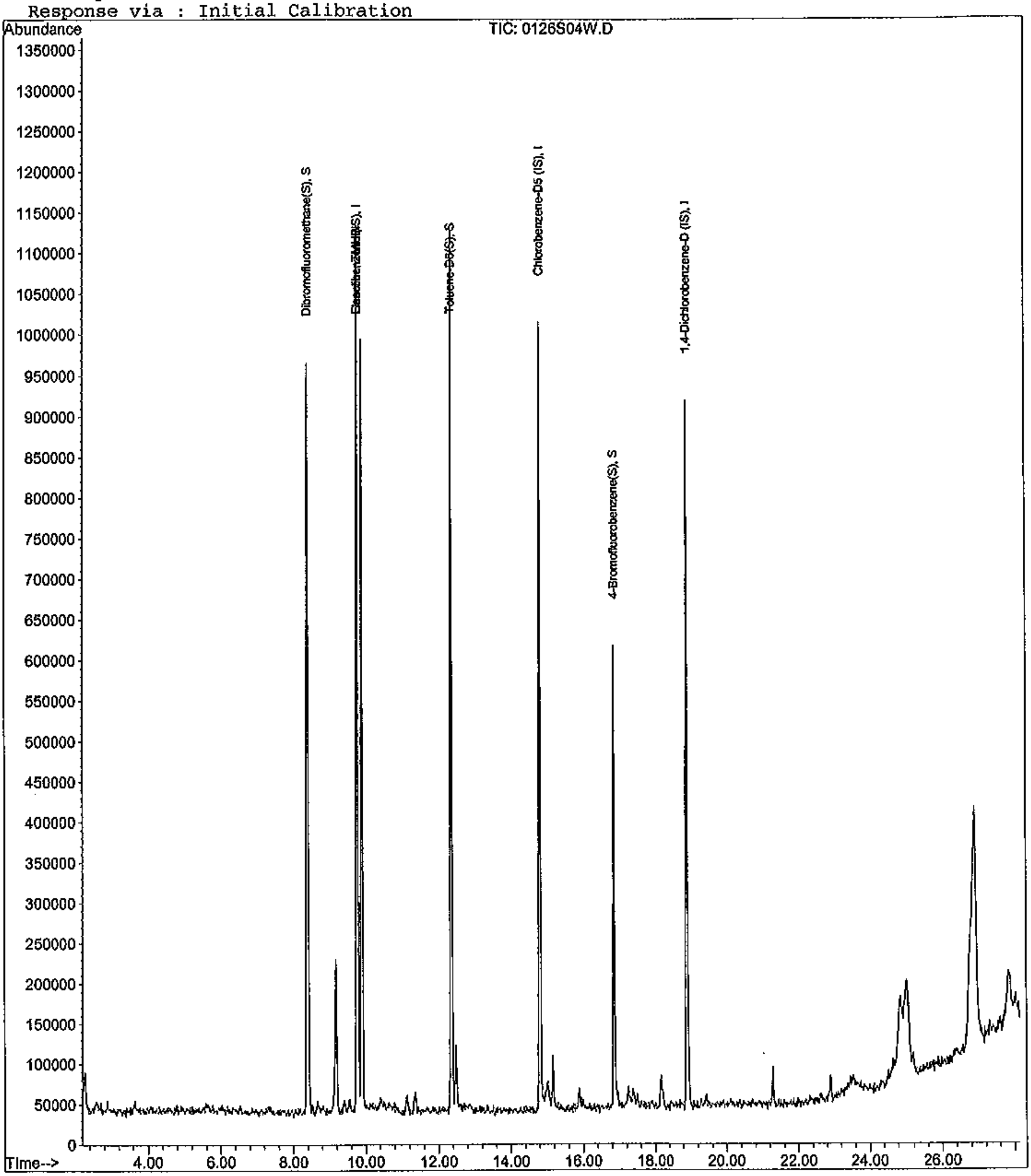
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D Vial: 4
Acq On : 26 Jan 11 12:52 Operator: GM
Sample : Vol Std 01-26-11@20ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

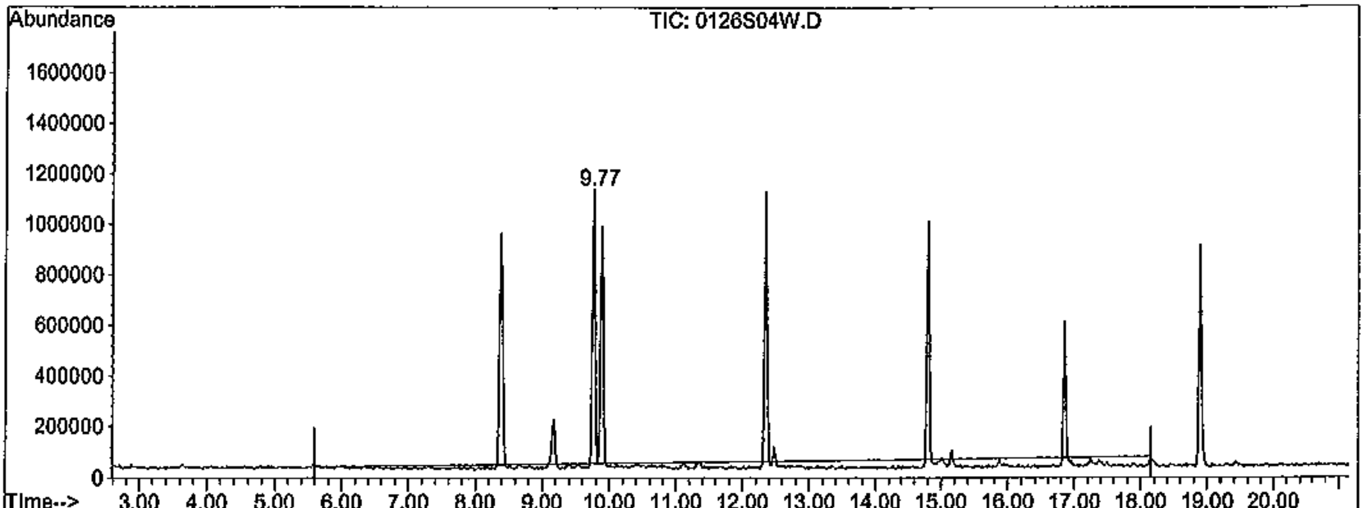
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

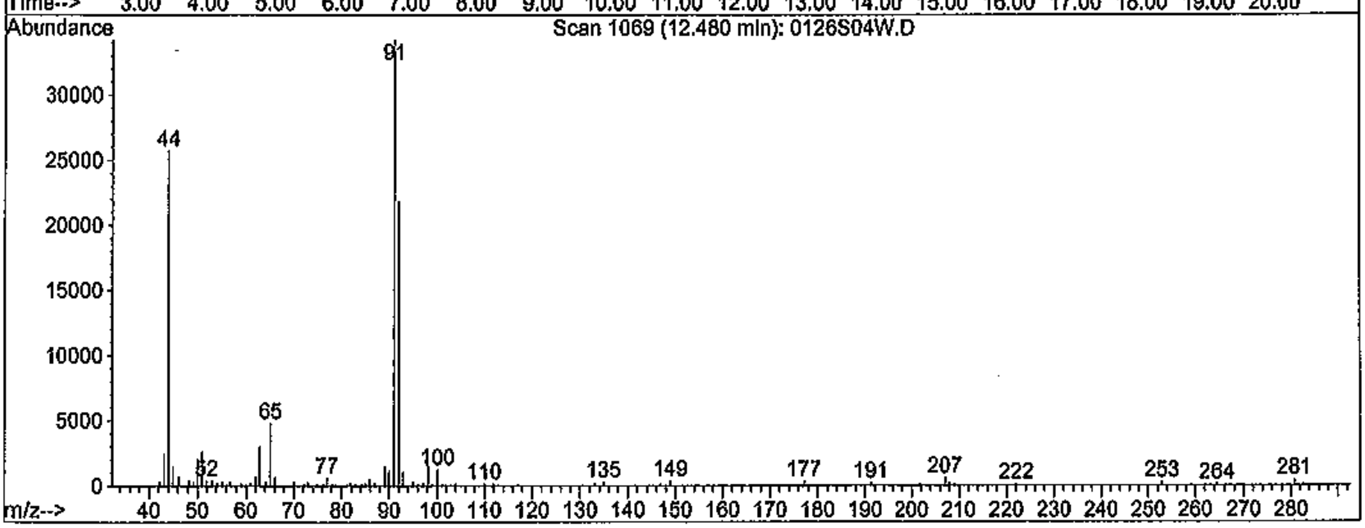


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D          Vial: 4
Acq On    : 26 Jan 11  12:52                          Operator: GM
Sample    : Vol Std 01-26-11@20ug/L                   Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:36 2011                   Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration
```





TIC: 0126S04W.D

(2) Gasoline (TMHB)

12.48min -115.4322ppb m

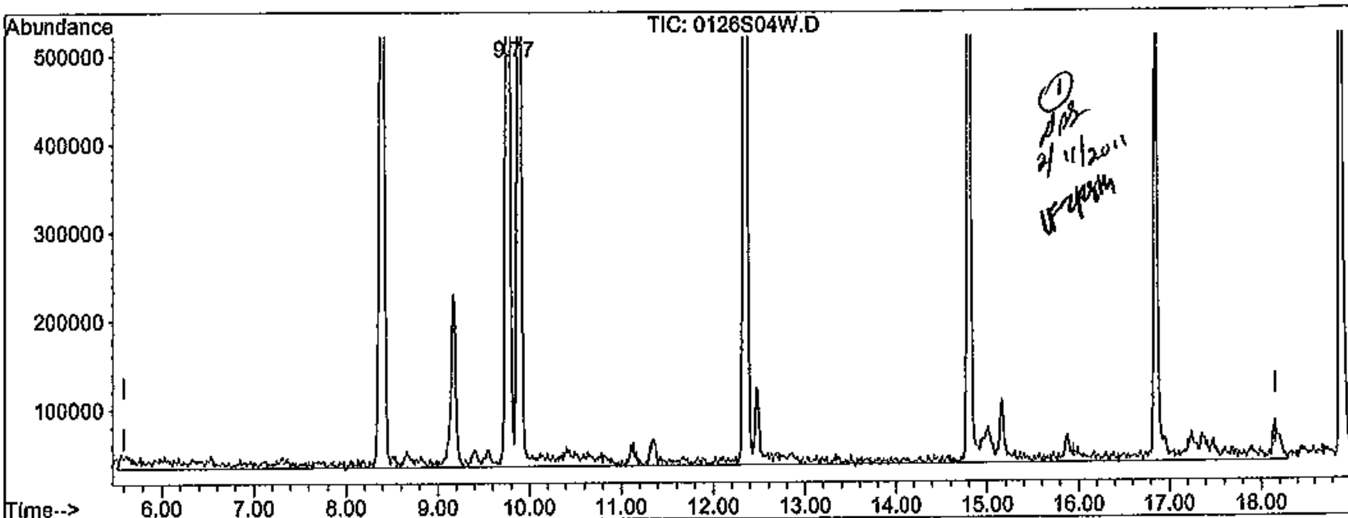
response 9306708

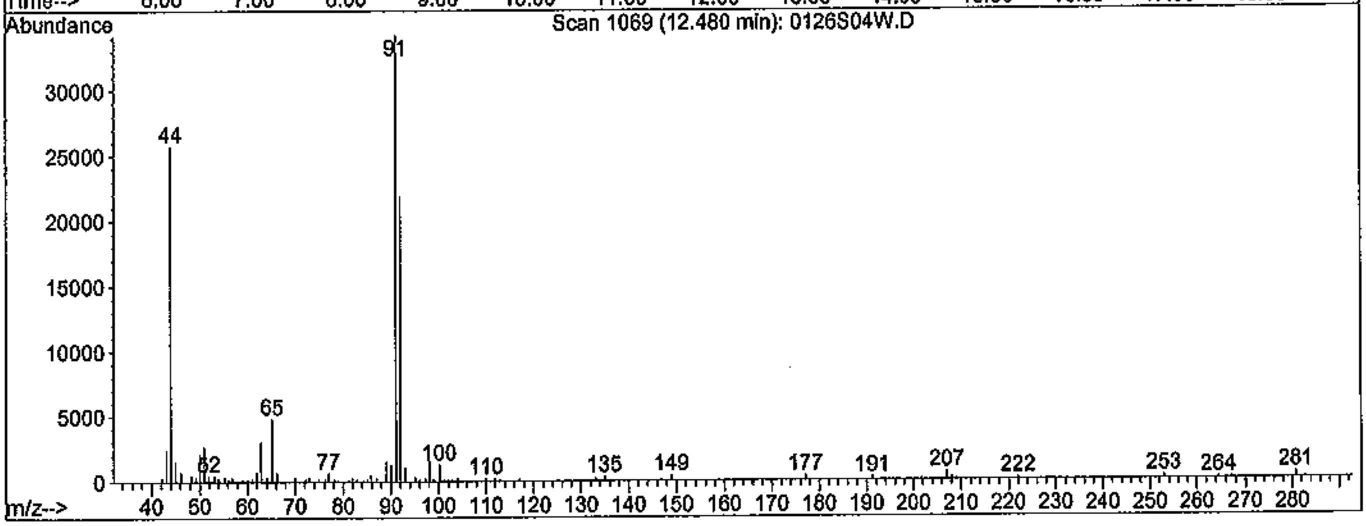
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.90#
0.00	0.00	2.79#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D          Vial: 4
Acq On    : 26 Jan 11  12:52                         Operator: GM
Sample    : Vol Std 01-26-11@20ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:38 2011             Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S04W.D

(2) Gasoline (TMHB)

9.77min 30.2975ppb m

response 22931866

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.37#
0.00	0.00	1.13#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S05W.D
Acq On : 26 Jan 11 13:28
Sample : Vol Std 01-26-11@50ug/L
Misc : Water 10mL w/IS: 01-17-11

Vial: 5
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Feb 11 16:38 2011
Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

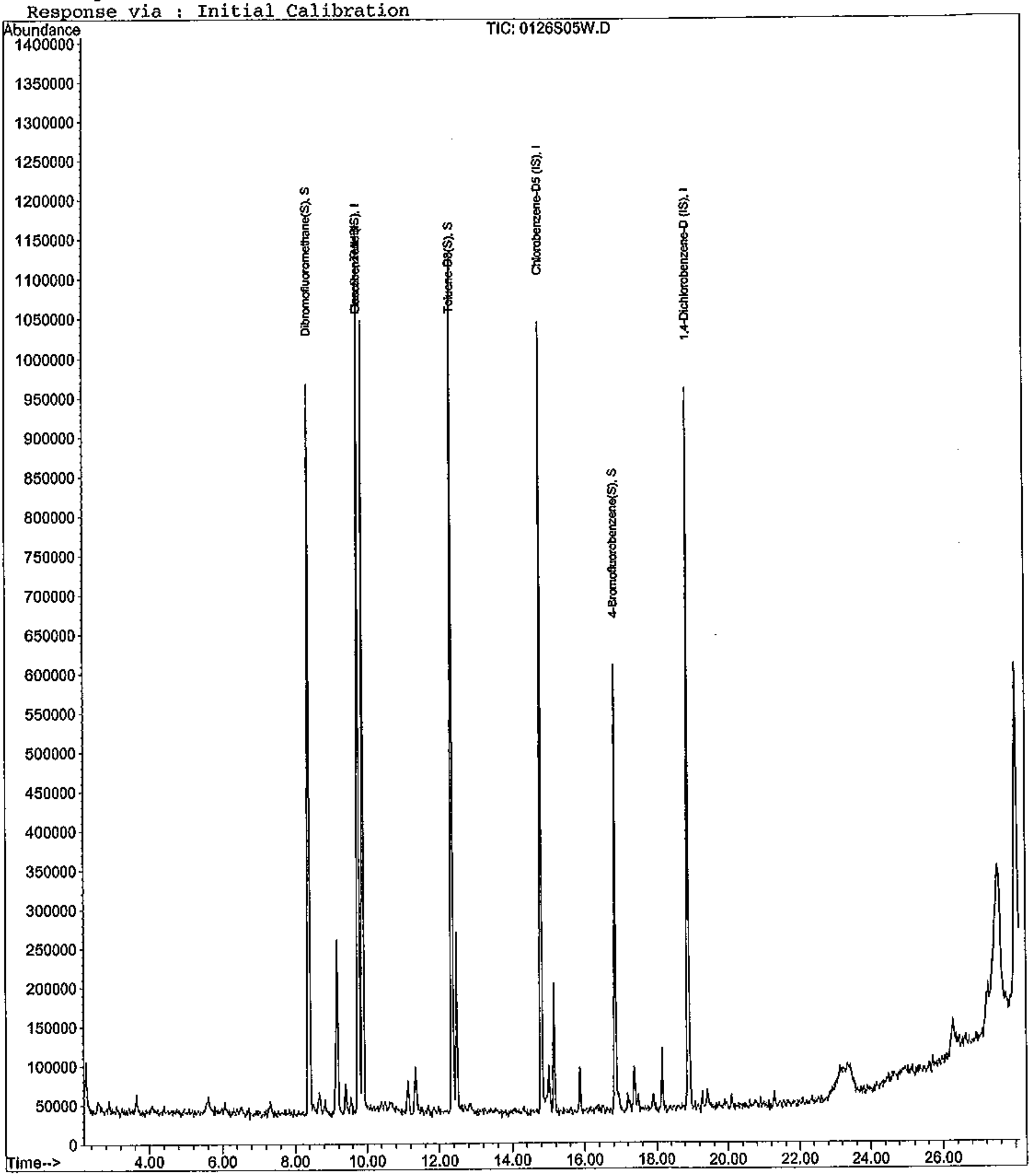
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1132718	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	1006660	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	919277	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3144564	22.22094 ppb	0.00
Spiked Amount 24.523				Recovery = 90.613%	
5) Toluene-D8(S)	12.35	TIC	3119855	23.64759 ppb	0.00
Spiked Amount 23.425				Recovery = 100.952%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1638762	25.59879 ppb	0.00
Spiked Amount 23.162				Recovery = 110.519%	
Target Compounds					Qvalue
2) Gasoline	9.77	TIC	25671239m	51.11596 ppb	100

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S05W.D         Vial: 5
Acq On    : 26 Jan 11  13:28                         Operator: GM
Sample    : Vol Std 01-26-11@50ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 11 16:38 2011          Quant Results File: SGAS.RES

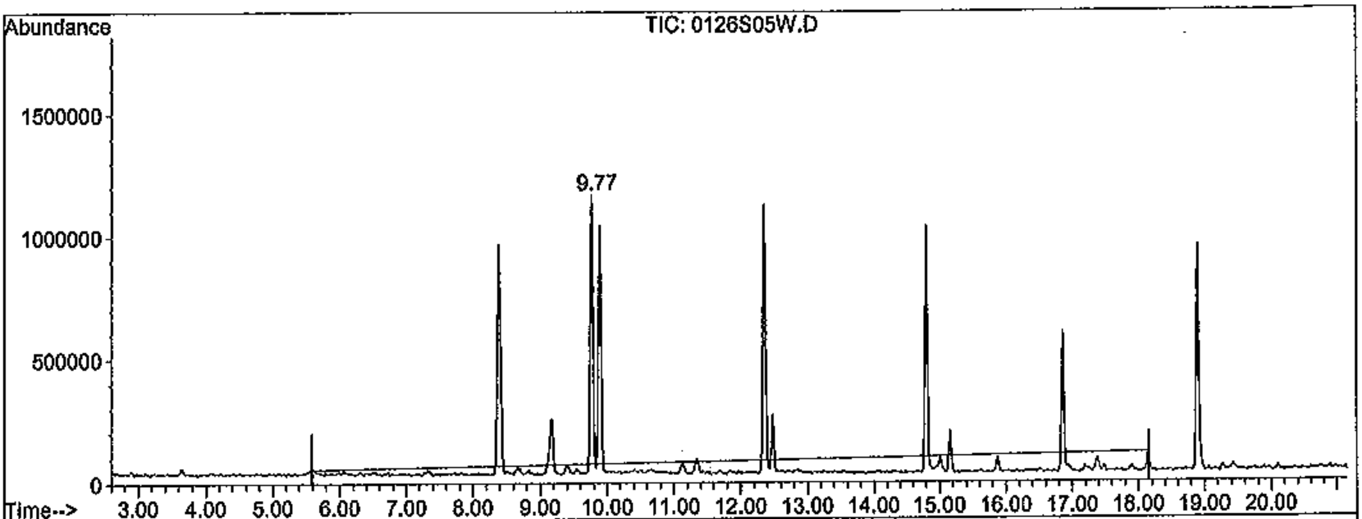
Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
```

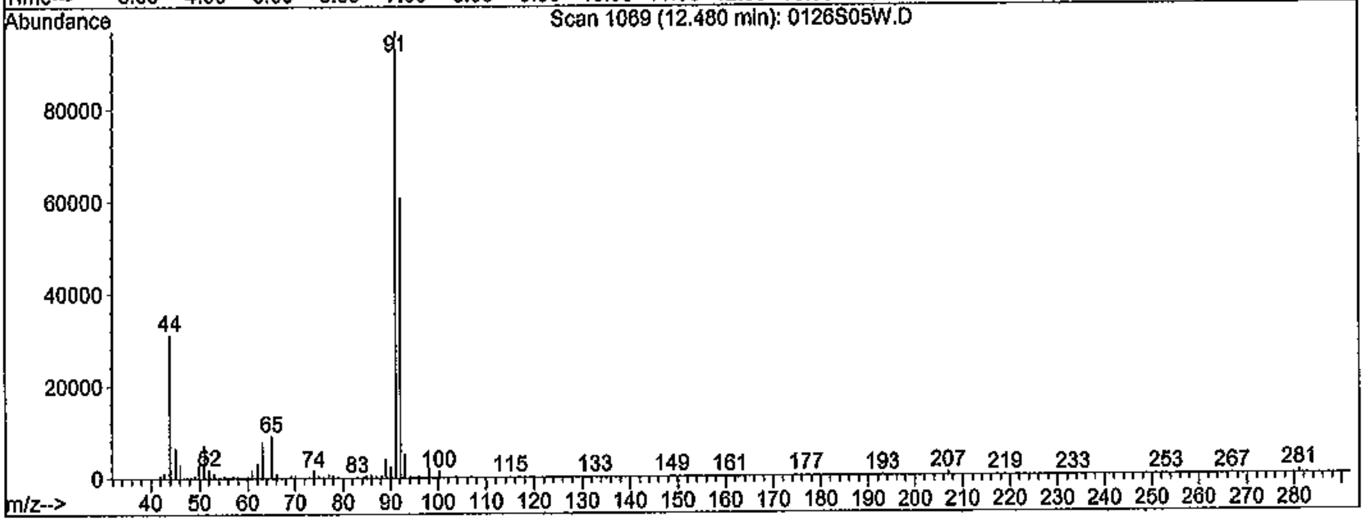


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S05W.D         Vial: 5
Acq On    : 26 Jan 11  13:28                        Operator: GM
Sample    : Vol Std 01-26-11050ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11               Multiplr: 1.00
Quant Time: Feb 11 16:36 2011          Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S05W.D

(2) Gasoline (TMH8)

12.48min -93.2412ppb m

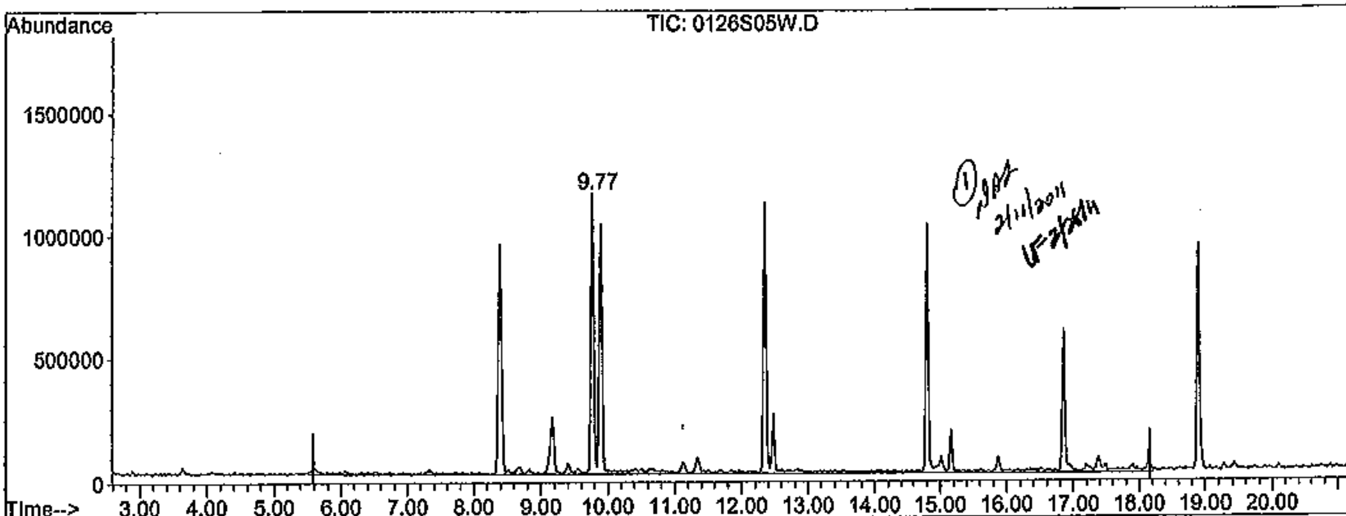
response 11744237

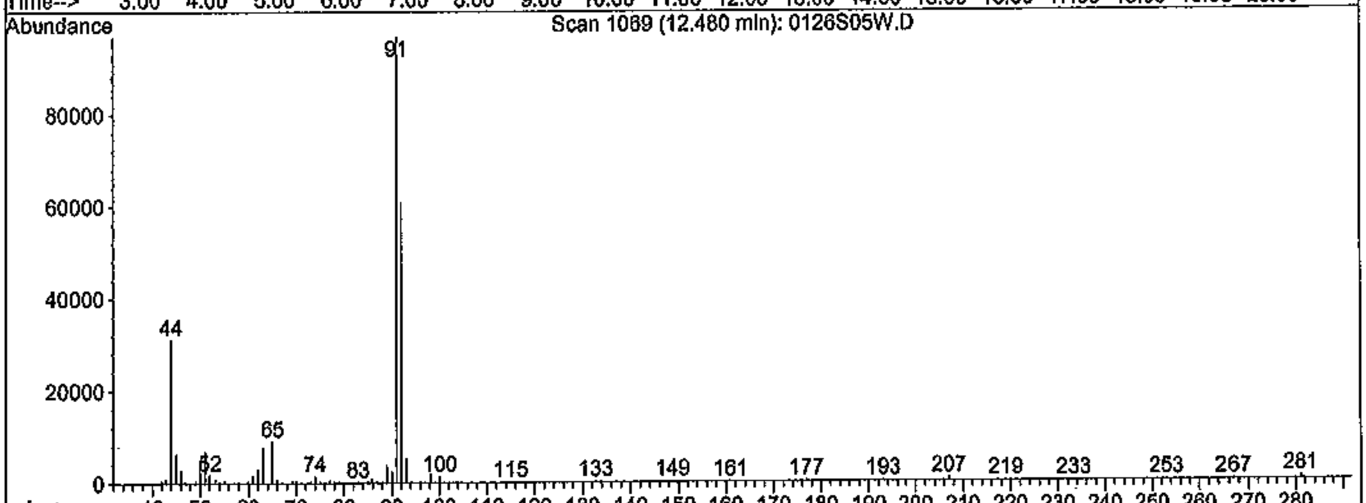
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.75#
0.00	0.00	2.30#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S05W.D          Vial: 5
Acq On    : 26 Jan 11  13:28                         Operator: GM
Sample    : Vol Std 01-26-11@50ug/L                   Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:38 2011           Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration
```





TIC: 0126S05W.D

(2) Gasoline (TMHB)

9.77min 51.1160ppb m

response 25671239

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.34#
0.00	0.00	1.05#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D Vial: 6
Acq On : 26 Jan 11 14:05 Operator: GM
Sample : Vol Std 01-26-11@100ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1082355	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	1011357	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	898456	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3161434	23.37966 ppb	0.00
Spiked Amount 24.523				Recovery = 95.339%	
5) Toluene-D8(S)	12.36	TIC	3187739	24.04991 ppb	0.00
Spiked Amount 23.425				Recovery = 102.668%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1618558	25.16577 ppb	0.00
Spiked Amount 23.162				Recovery = 108.650%	
Target Compounds					Qvalue
2) Gasoline	12.36	TIC	26771361m	75.43101 ppb	100

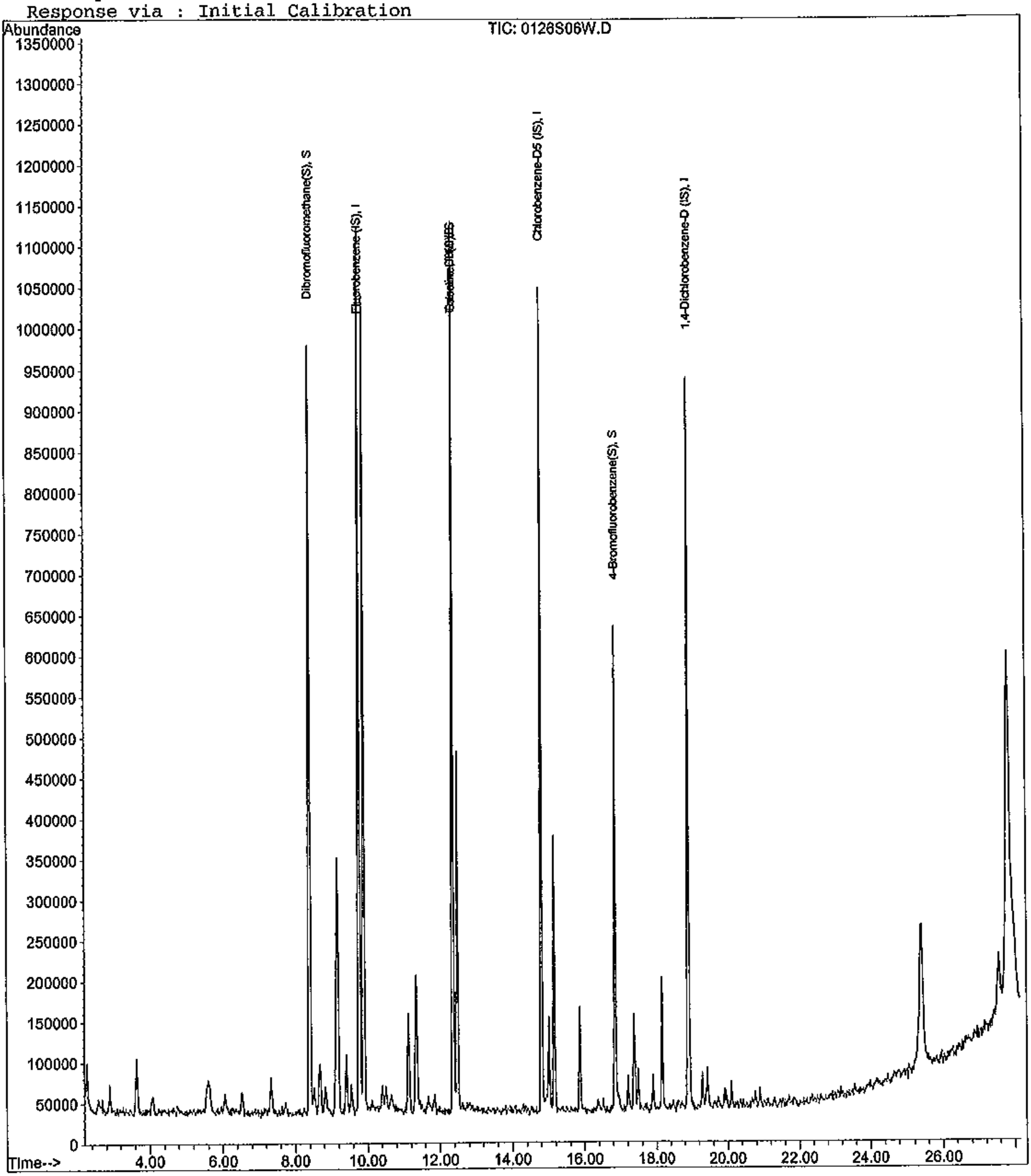
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D Vial: 6
Acq On : 26 Jan 11 14:05 Operator: GM
Sample : Vol Std 01-26-11@100ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

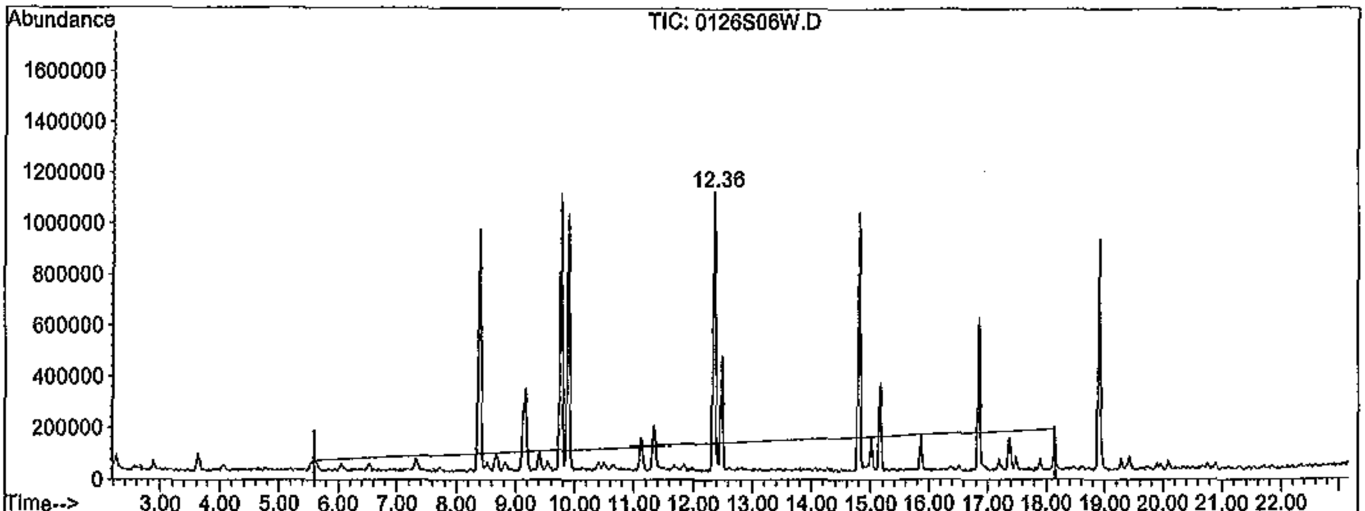
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

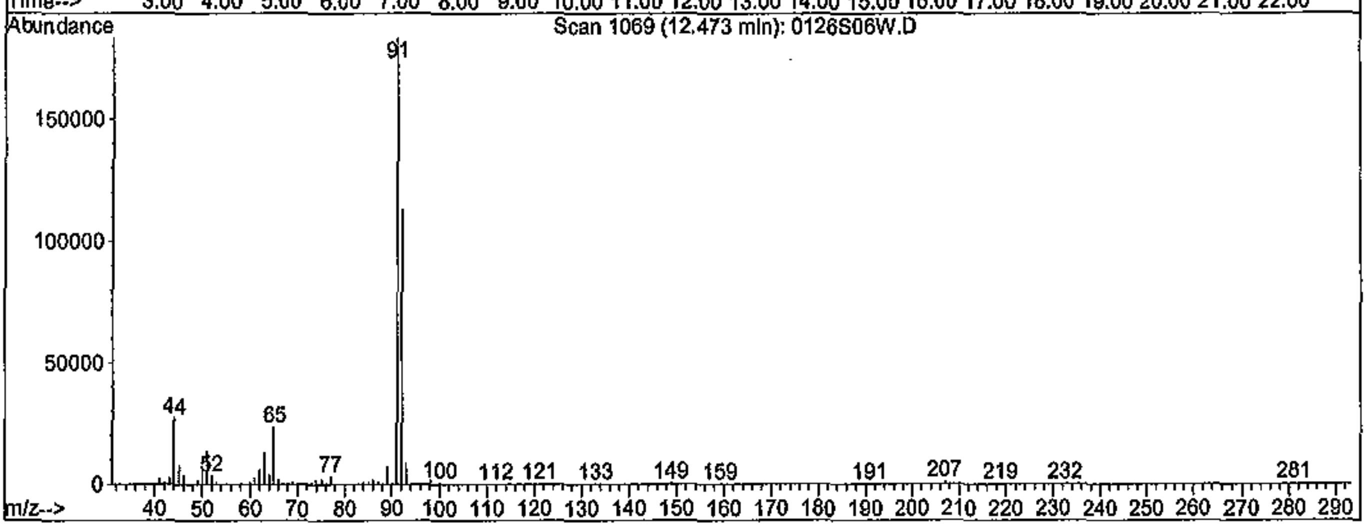


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D          Vial: 6
Acq On    : 26 Jan 11  14:05                          Operator: GM
Sample    : Vol Std 01-26-11@100ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:36 2011               Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:05:17 2011
Response via  : Multiple Level Calibration
```





TIC: 0126S06W.D

(2) Gasoline (TMHB)

12.48min -48.6471ppb m

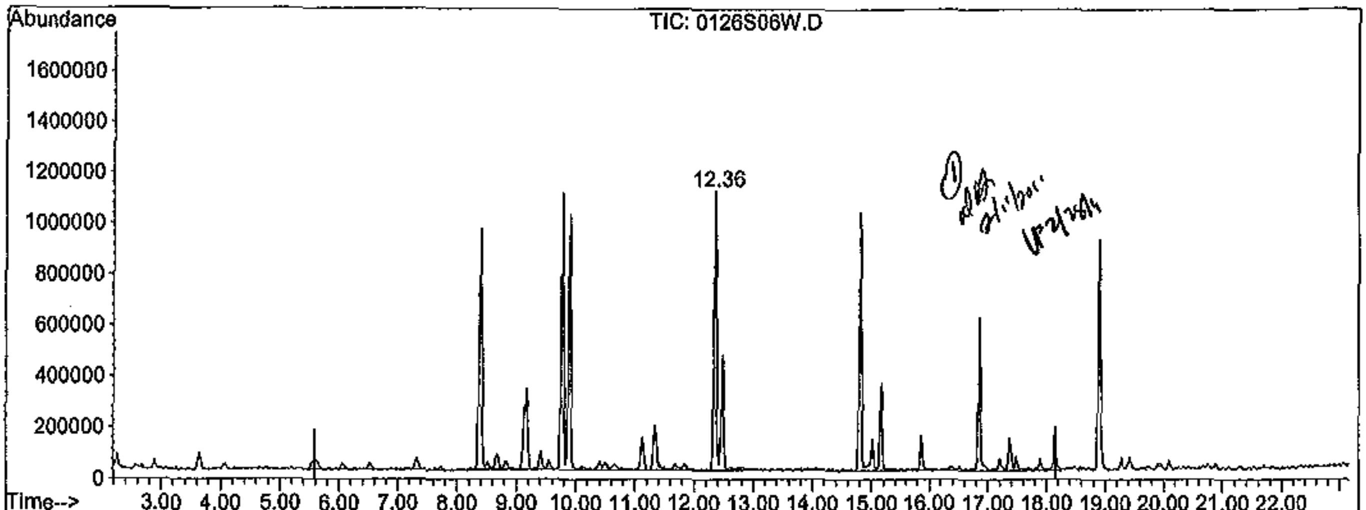
response 15333033

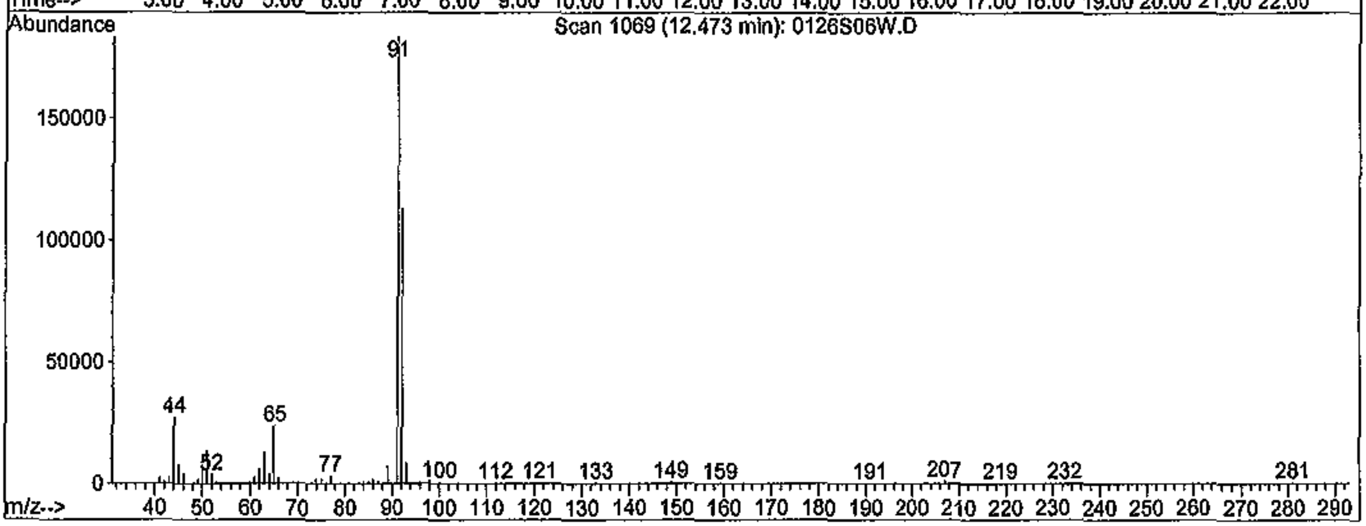
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.55#
0.00	0.00	1.72#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D          Vial: 6
Acq On    : 26 Jan 11  14:05                         Operator: GM
Sample    : Vol Std 01-26-11@100ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:38 2011                 Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S06W.D

(2) Gasoline (TMHB)

12.36min 75.4310ppb m

response 26771361

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.31#
0.00	0.00	0.99#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D   Vial: 7
Acq On : 26 Jan 11 14:41   Operator: GM
Sample : Vol Std 01-26-11@300ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 11 16:39 2011   Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1086671	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	1014336	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	936655	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	3136590	23.10380 ppb	0.00
Spiked Amount 24.523			Recovery =	94.214%	
5) Toluene-D8(S)	12.35	TIC	3153767	23.72373 ppb	0.00
Spiked Amount 23.425			Recovery =	101.276%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1665096	25.81332 ppb	0.00
Spiked Amount 23.162			Recovery =	111.443%	
Target Compounds					Qvalue
2) Gasoline	12.48	TIC	44924439m	270.41239 ppb	100

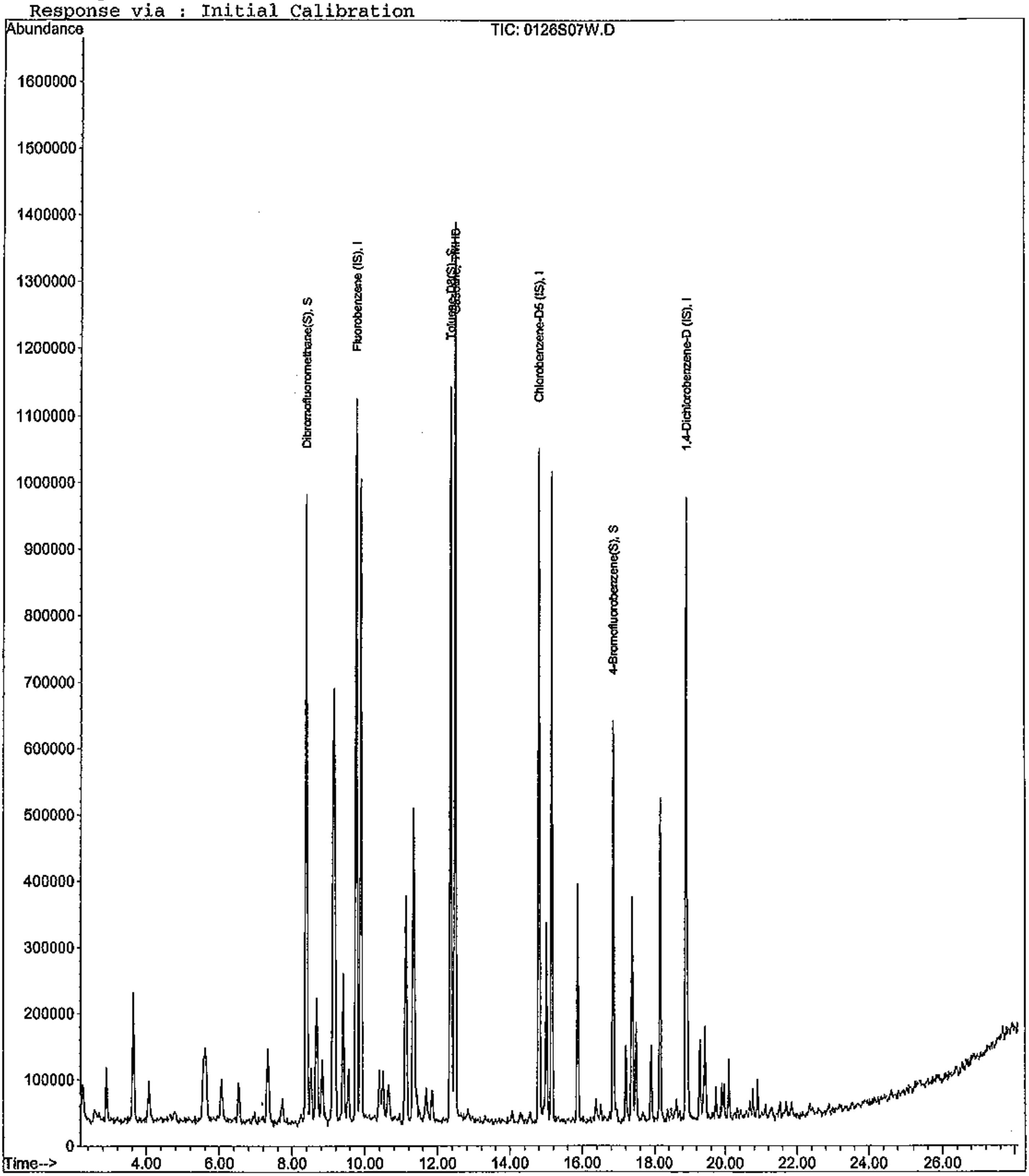
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D Vial: 7
Acq On : 26 Jan 11 14:41 Operator: GM
Sample : Vol Std 01-26-11@300ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:39 2011 Quant Results File: SGAS.RES

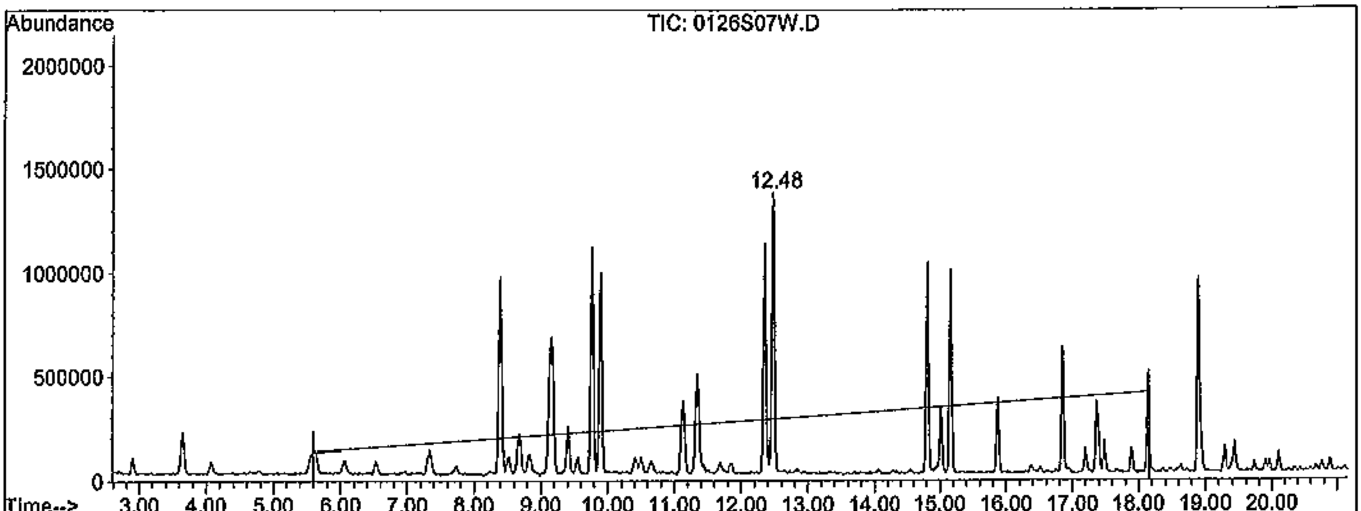
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

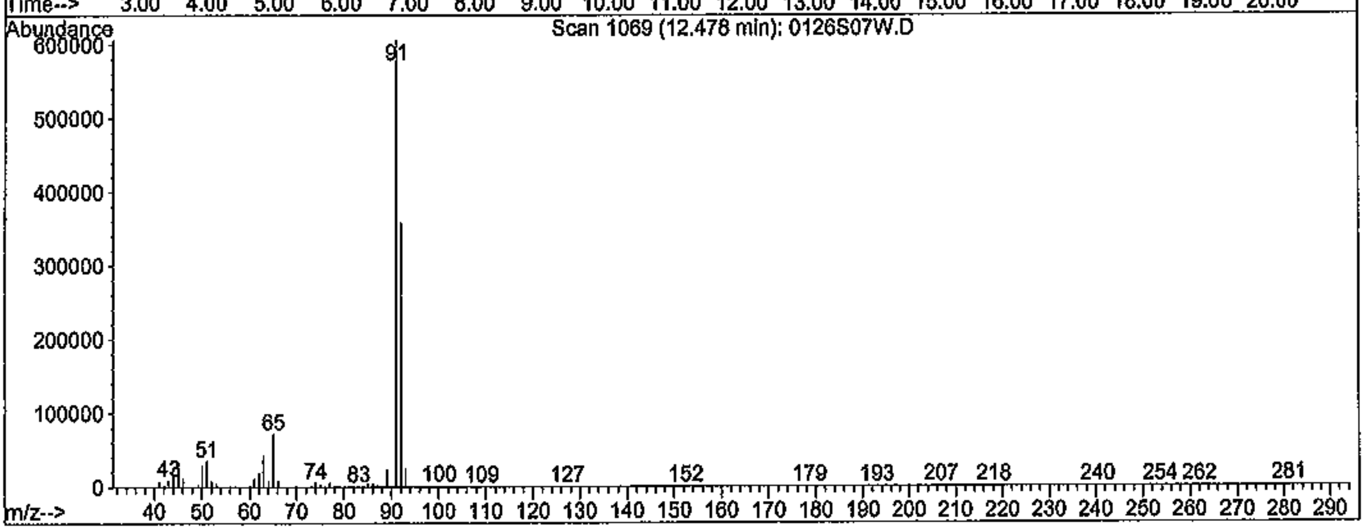


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D          Vial: 7
Acq On    : 26 Jan 11  14:41                         Operator: GM
Sample    : Vol Std 01-26-11@300ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:36 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S07W.D

(2) Gasoline (TMHB)

12.48min 109.5234ppb m

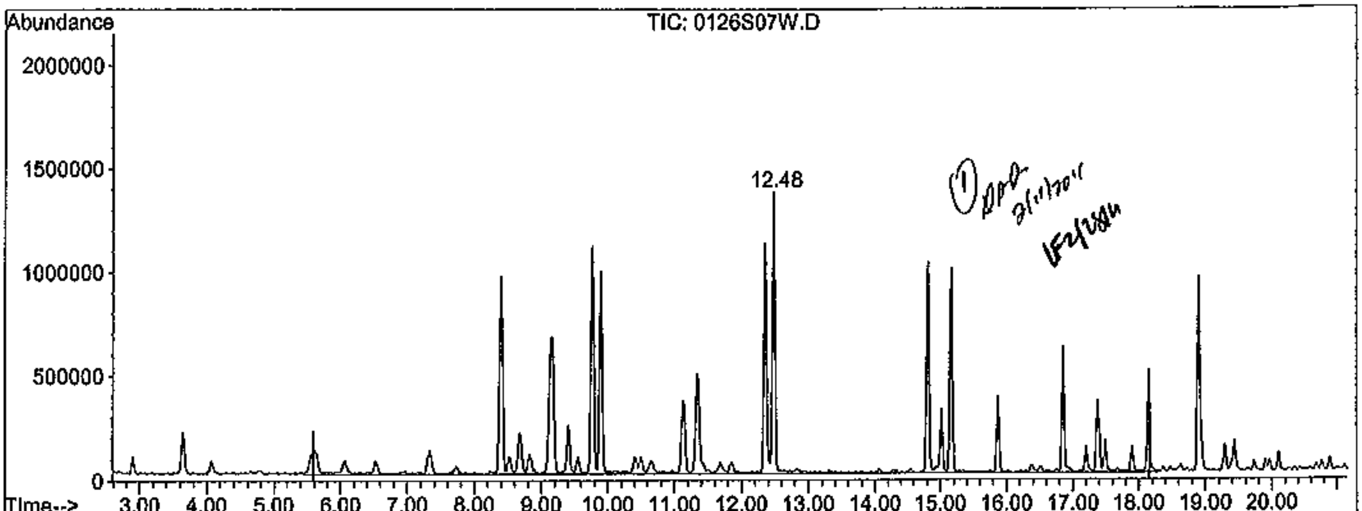
response 30033601

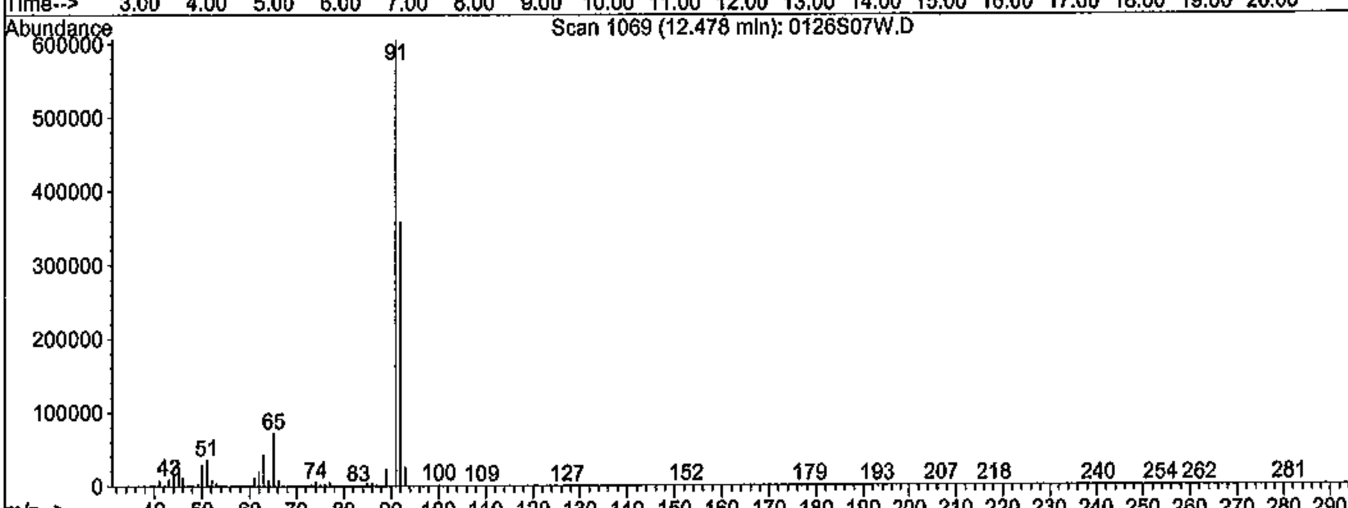
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.29#
0.00	0.00	0.92#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D          Vial: 7
Acq On    : 26 Jan 11  14:41                         Operator: GM
Sample    : Vol Std 01-26-11@300ug/L                 Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:39 2011              Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration
```





TIC: 0126S07W.D

(2) Gasoline (TMHB)

12.48min 270.4124ppb m

response 44924439

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.19#
0.00	0.00	0.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D   Vial: 8
Acq On : 26 Jan 11 15:17   Operator: GM
Sample : Vol Std 01-26-11@600ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 11 16:40 2011   Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1103078	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	981147	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	886064	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3106183	22.53952 ppb	0.00
Spiked Amount 24.523			Recovery =	91.914%	
5) Toluene-D8(S)	12.35	TIC	3171042	24.66057 ppb	0.00
Spiked Amount 23.425			Recovery =	105.276%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1539992	24.68145 ppb	0.00
Spiked Amount 23.162			Recovery =	106.556%	
Target Compounds					Qvalue
2) Gasoline	12.47	TIC	73174638m	563.88198 ppb	100

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

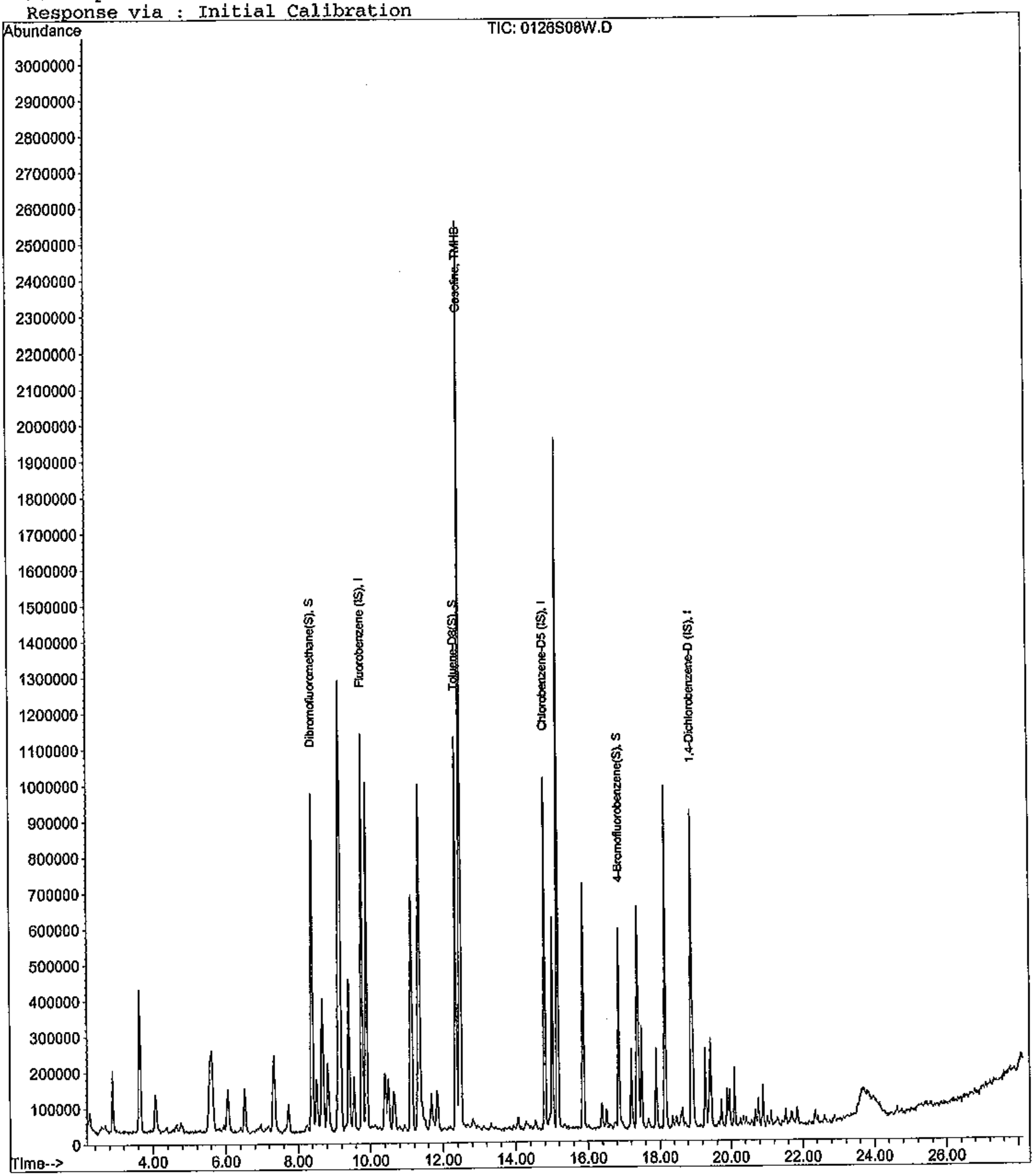
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D
Acq On : 26 Jan 11 15:17
Sample : Vol Std 01-26-11@600ug/L
Misc : Water 10mL w/IS: 01-17-11

Vial: 8
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Feb 11 16:40 2011 Quant Results File: SGAS.RES

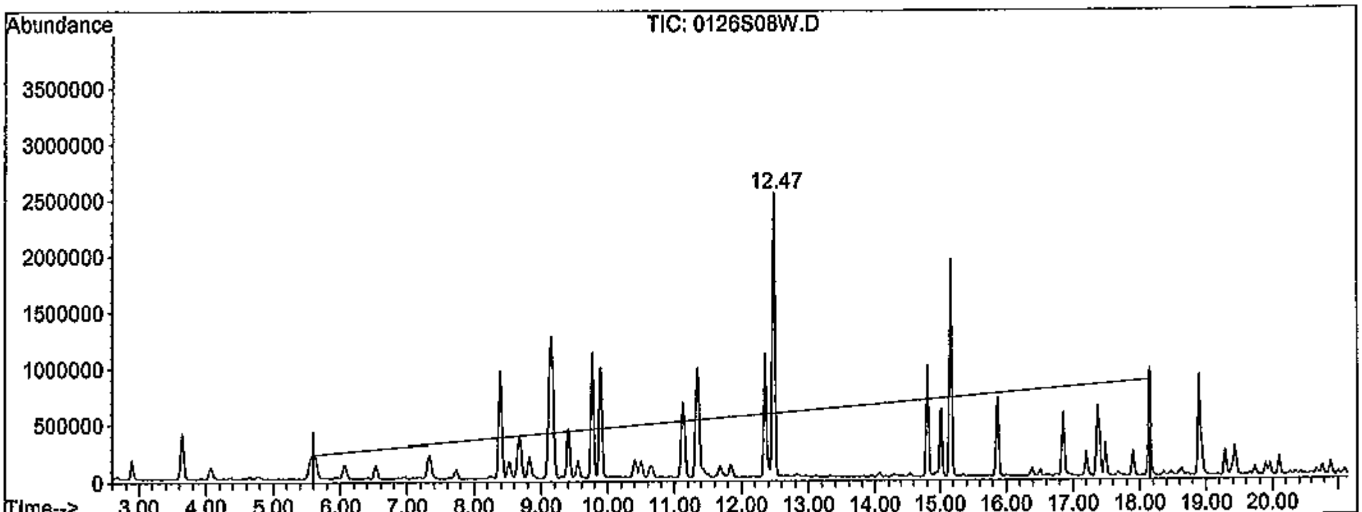
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

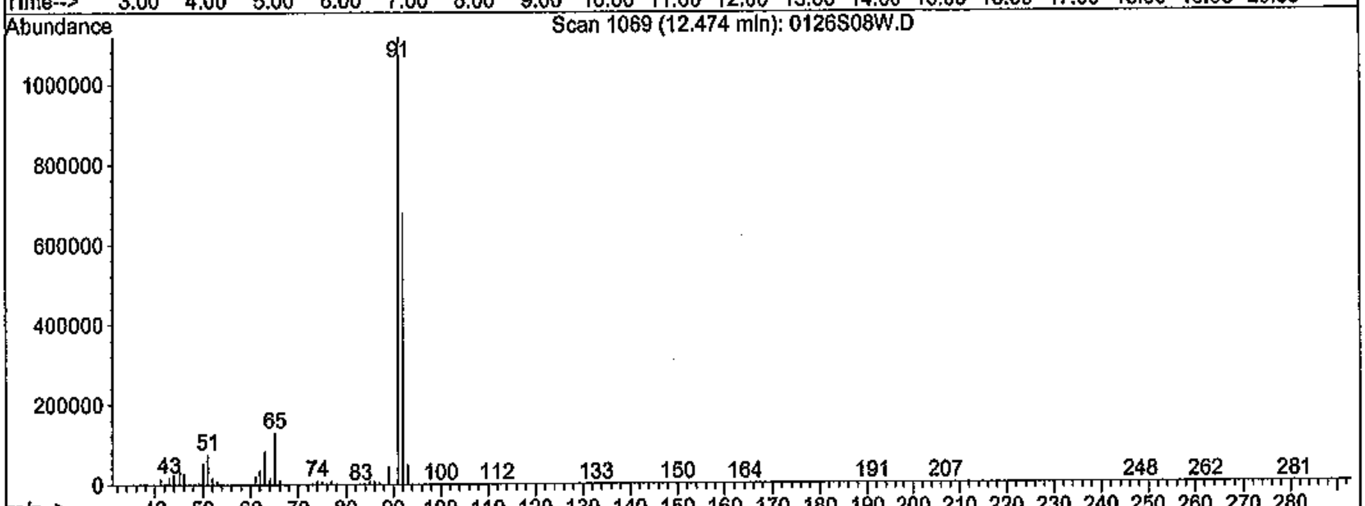


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D          Vial: 8
Acq On    : 26 Jan 11  15:17                         Operator: GM
Sample    : Vol Std 01-26-11@600ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:36 2011              Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration
```





TIC: 0126S08W.D

(2) Gasoline (TMHB)

12.48min 317.8874ppb m

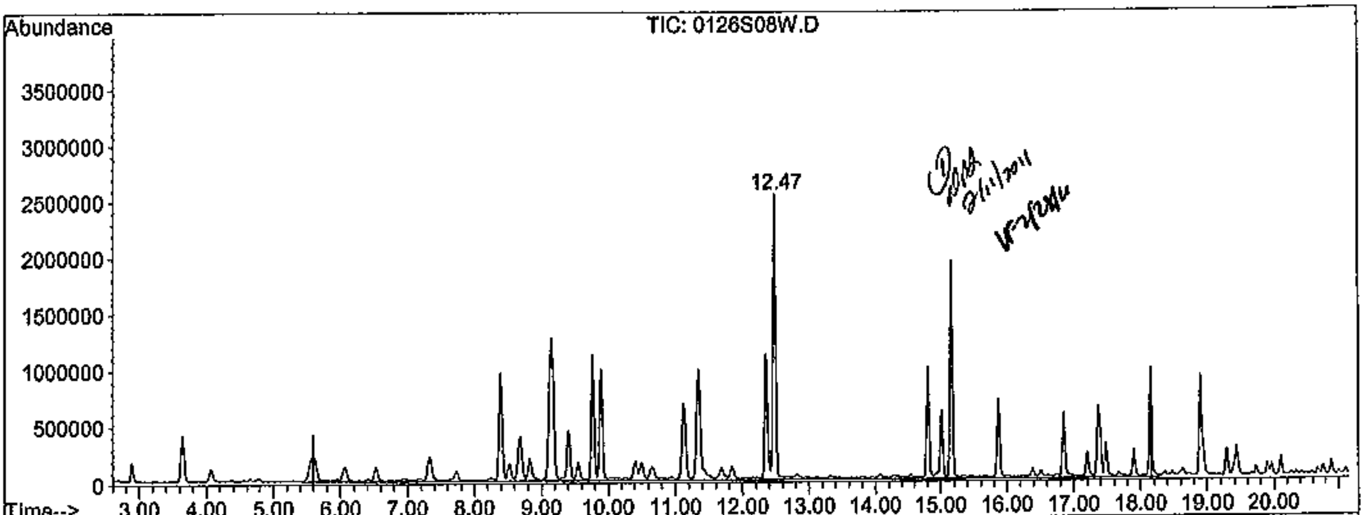
response 50063077

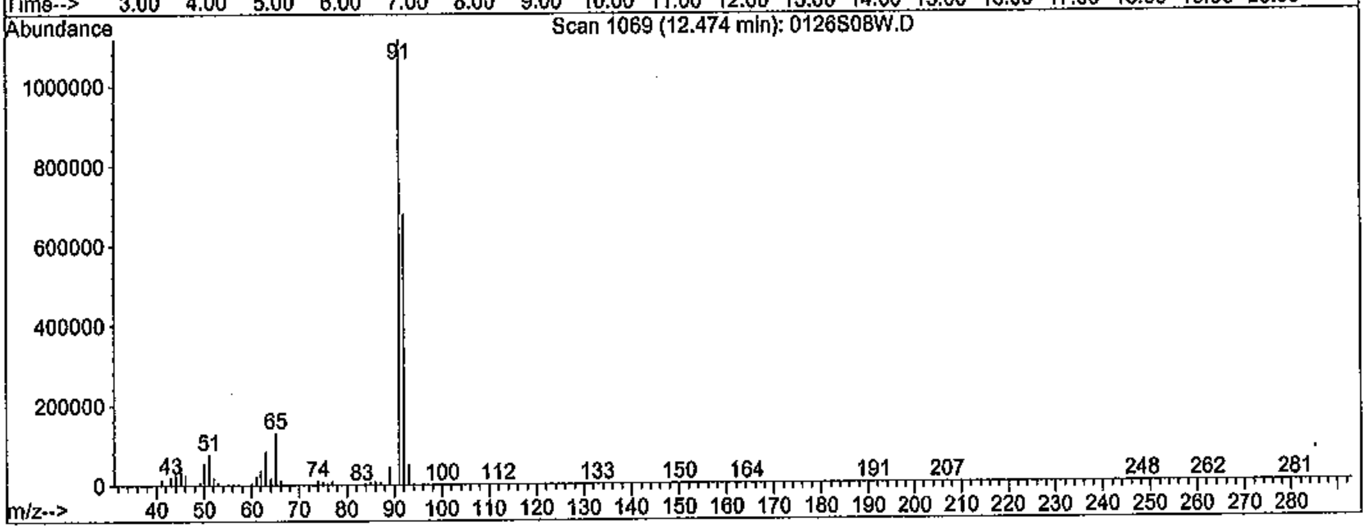
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.17#
0.00	0.00	0.51#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D          Vial: 8
Acq On    : 26 Jan 11  15:17                         Operator: GM
Sample    : Vol Std 01-26-11@600ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:40 2011               Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:05:17 2011
Response via  : Multiple Level Calibration
```





TIC: 0126S08W.D

(2) Gasoline (TMHB)

12.47min 563.8820ppb m

response 73174638

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.12#
0.00	0.00	0.35#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D          Vial: 9
Acq On    : 26 Jan 11  15:53                         Operator: GM
Sample    : Vol Std 01-26-11@800ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 11 16:40 2011            Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

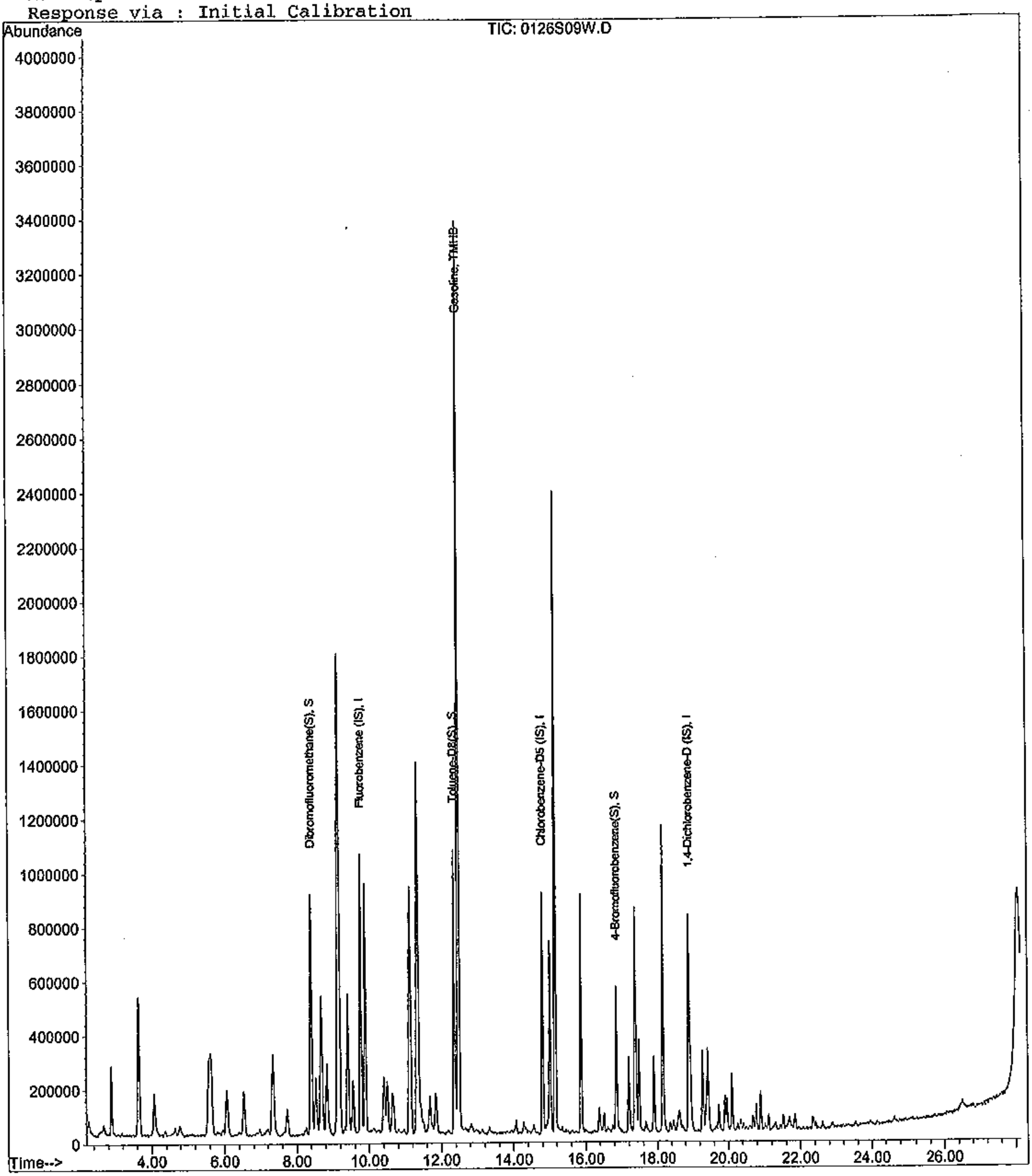
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1026845	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	893978	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	800973	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2969918	23.15066 ppb	0.00
Spiked Amount 24.523				Recovery = 94.405%	
5) Toluene-D8(S)	12.35	TIC	3130901	26.72254 ppb	0.00
Spiked Amount 23.425				Recovery = 114.078%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1432475	25.19687 ppb	0.00
Spiked Amount 23.162				Recovery = 108.784%	
Target Compounds					Qvalue
2) Gasoline	12.48	TIC	95989351m	882.56728 ppb	100

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D   Vial: 9
Acq On : 26 Jan 11 15:53   Operator: GM
Sample : Vol Std 01-26-11@800ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 11 16:40 2011   Quant Results File: SGAS.RES

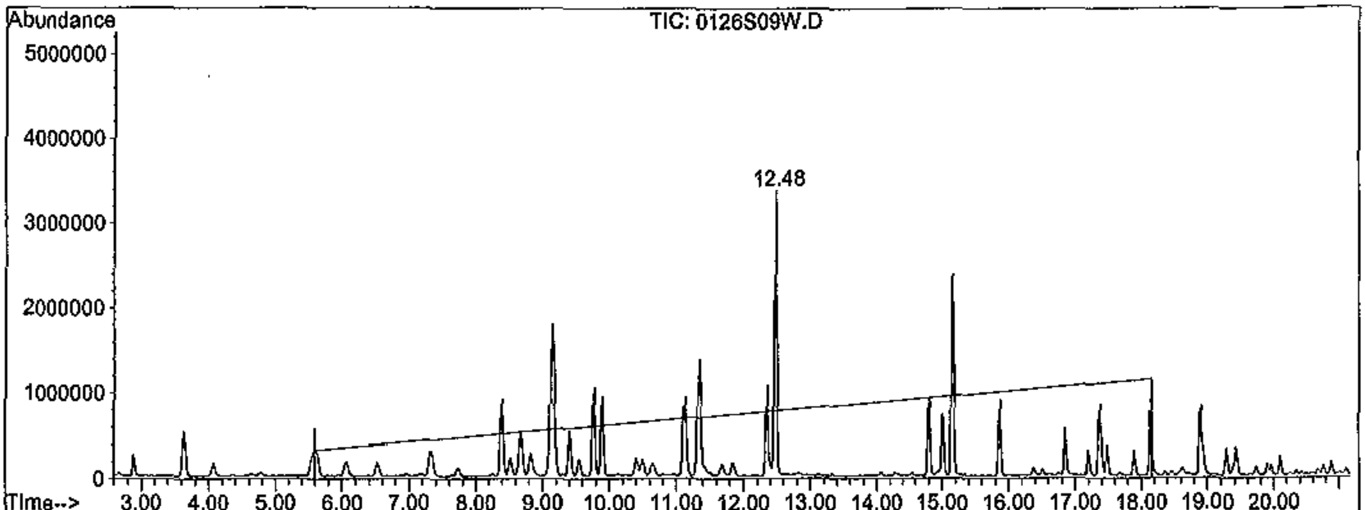
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

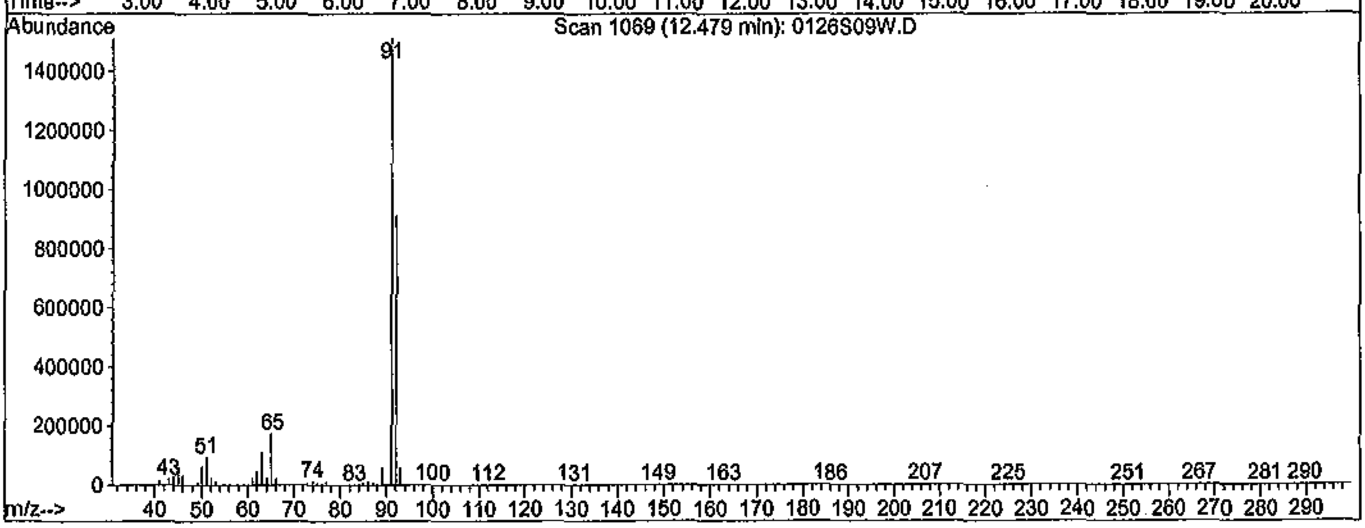


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D          Vial: 9
Acq On    : 26 Jan 11  15:53                          Operator: GM
Sample    : Vol Std 01-26-110800ug/L                  Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:36 2011                Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:05:17 2011
Response via  : Multiple Level Calibration
```





TIC: 0126S09W.D

(2) Gasoline (TMHB)

12.48min 506.0278ppb m

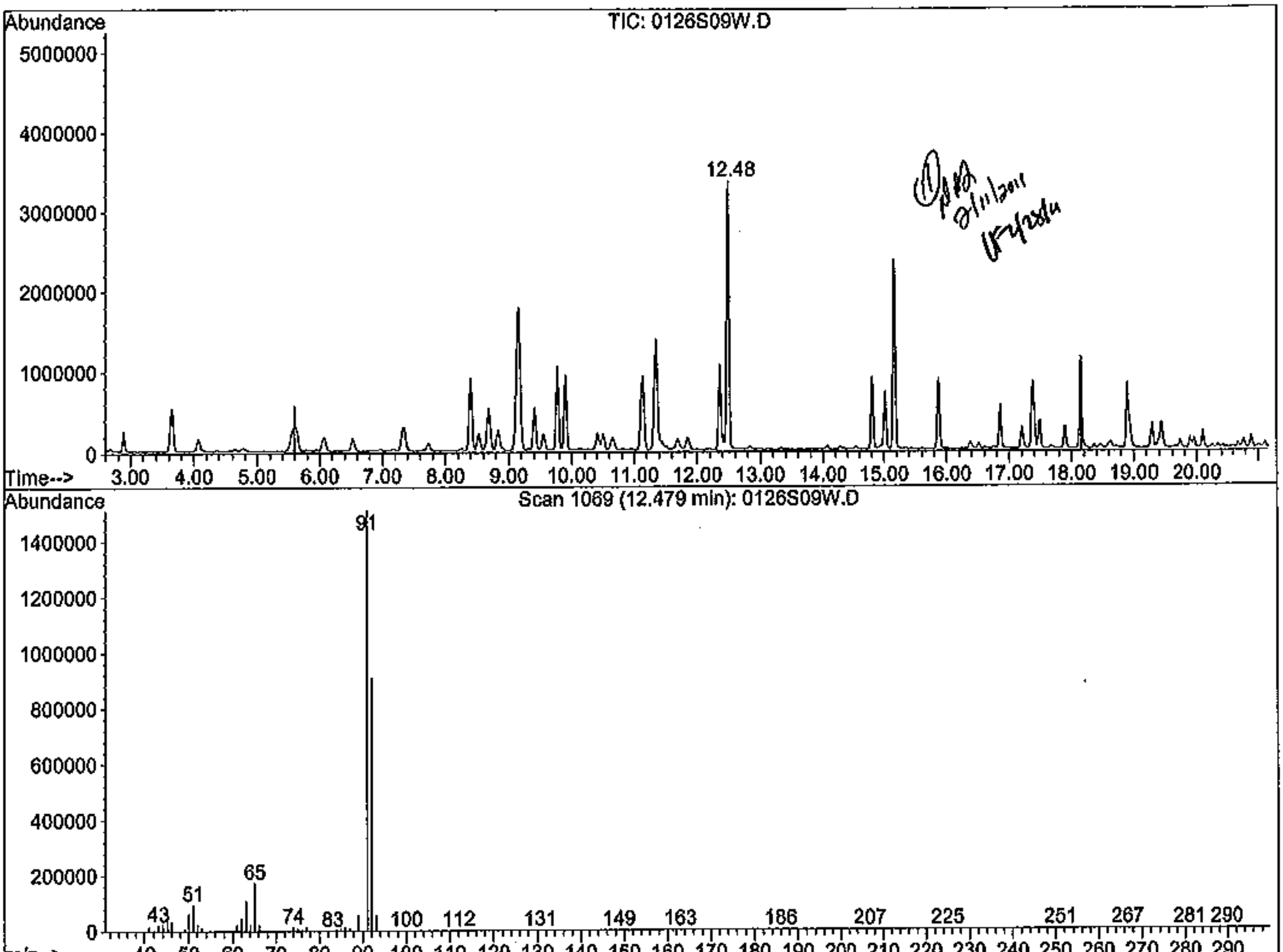
response 63057746

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.11#
0.00	0.00	0.38#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D        Vial: 9
Acq On    : 26 Jan 11  15:53                        Operator: GM
Sample    : Vol Std 01-26-11@800ug/L                Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11               Multiplr: 1.00
Quant Time: Feb 11 16:40 2011             Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration
```



TIC: 0126S09W.D

(2) Gasoline (TMHB)

12.48min 882.5673ppb m

response 95989351

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.07#
0.00	0.00	0.25#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D Vial: 10
Acq On : 26 Jan 11 16:29 Operator: GM
Sample : Vol Std 01-26-11@1000ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:41 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

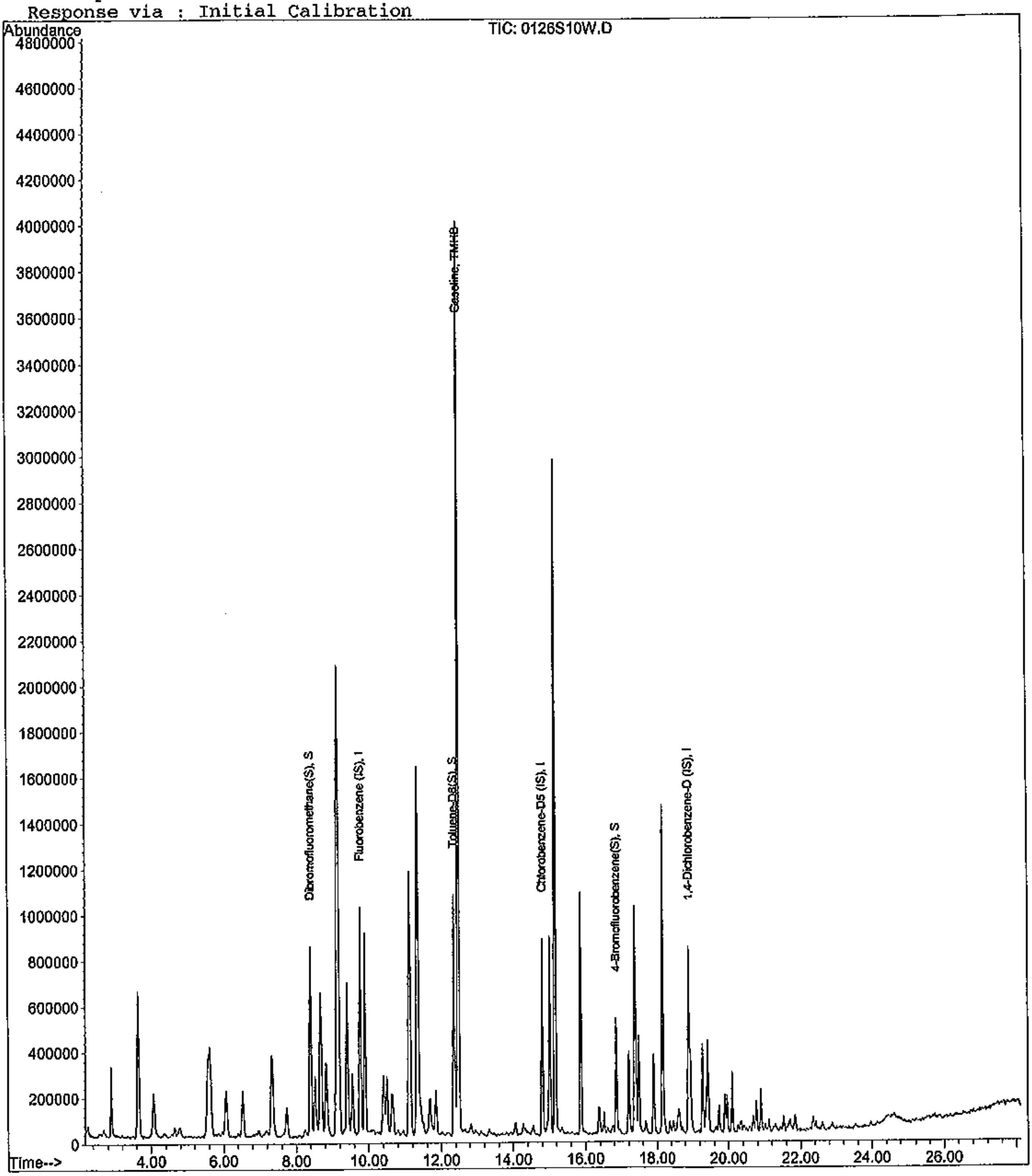
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	989605	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	861241	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	813923	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2799429	22.64287 ppb	0.00
Spiked Amount 24.523				Recovery = 92.334%	
5) Toluene-D8(S)	12.35	TIC	3210542	28.44388 ppb	0.00
Spiked Amount 23.425				Recovery = 121.425%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1437505	26.24648 ppb	0.00
Spiked Amount 23.162				Recovery = 113.313%	
Target Compounds					Qvalue
2) Gasoline	12.48	TIC	108682600m	1074.46501 ppb	100

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D          Vial: 10
Acq On    : 26 Jan 11  16:29                         Operator: GM
Sample    : Vol Std 01-26-11@1000ug/L                Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 11 16:41 2011               Quant Results File: SGAS.RES

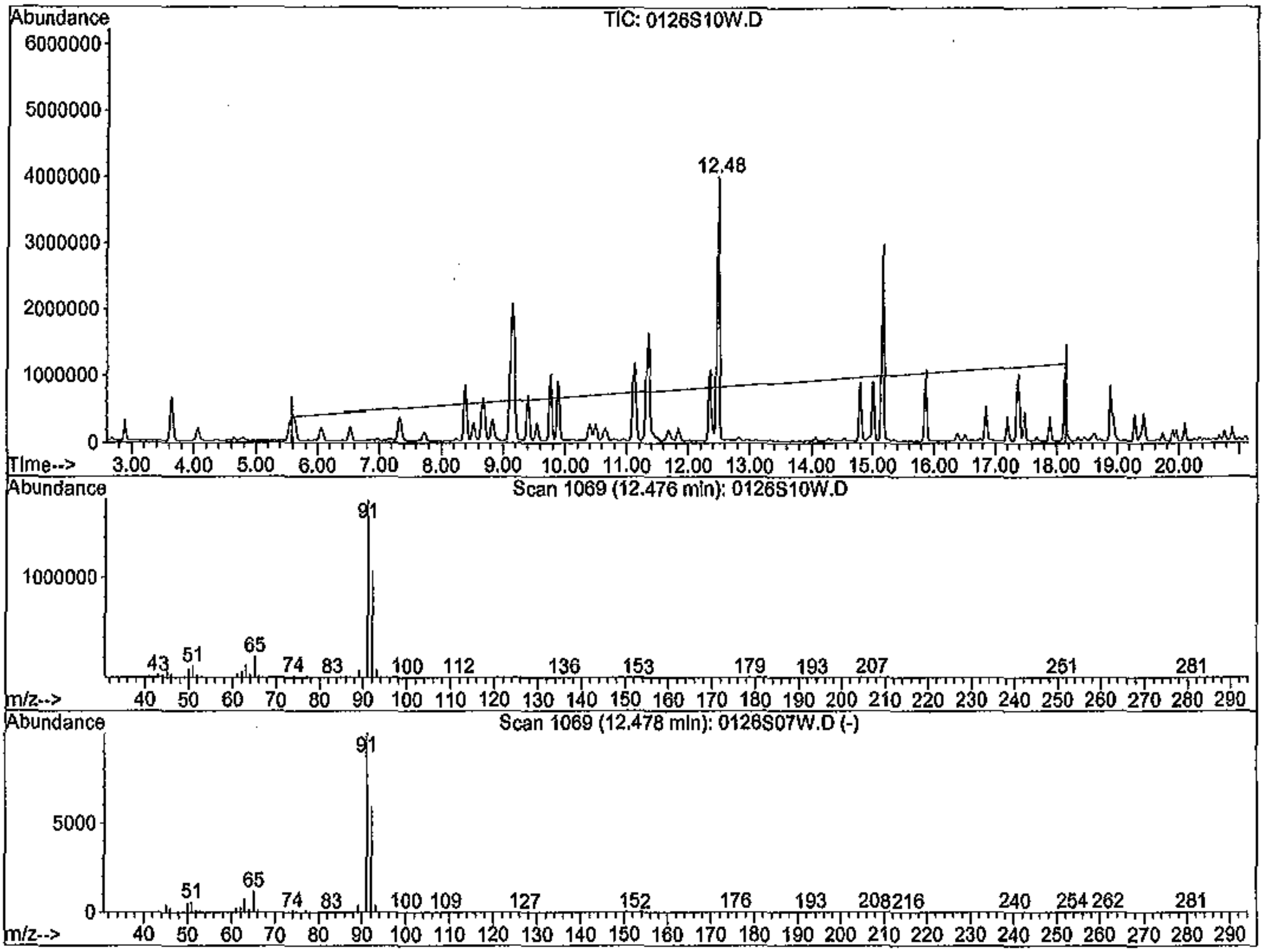
Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:43:15 2011
Response via  : Initial Calibration
```



Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D          Vial: 10
Acq On    : 26 Jan 11  16:29                         Operator: GM
Sample    : Vol Std 01-26-11@1000ug/L                Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:36 2011                 Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```



TIC: 0126S10W.D

(2) Gasoline (TMHB)

12.48min 703.6196ppb m

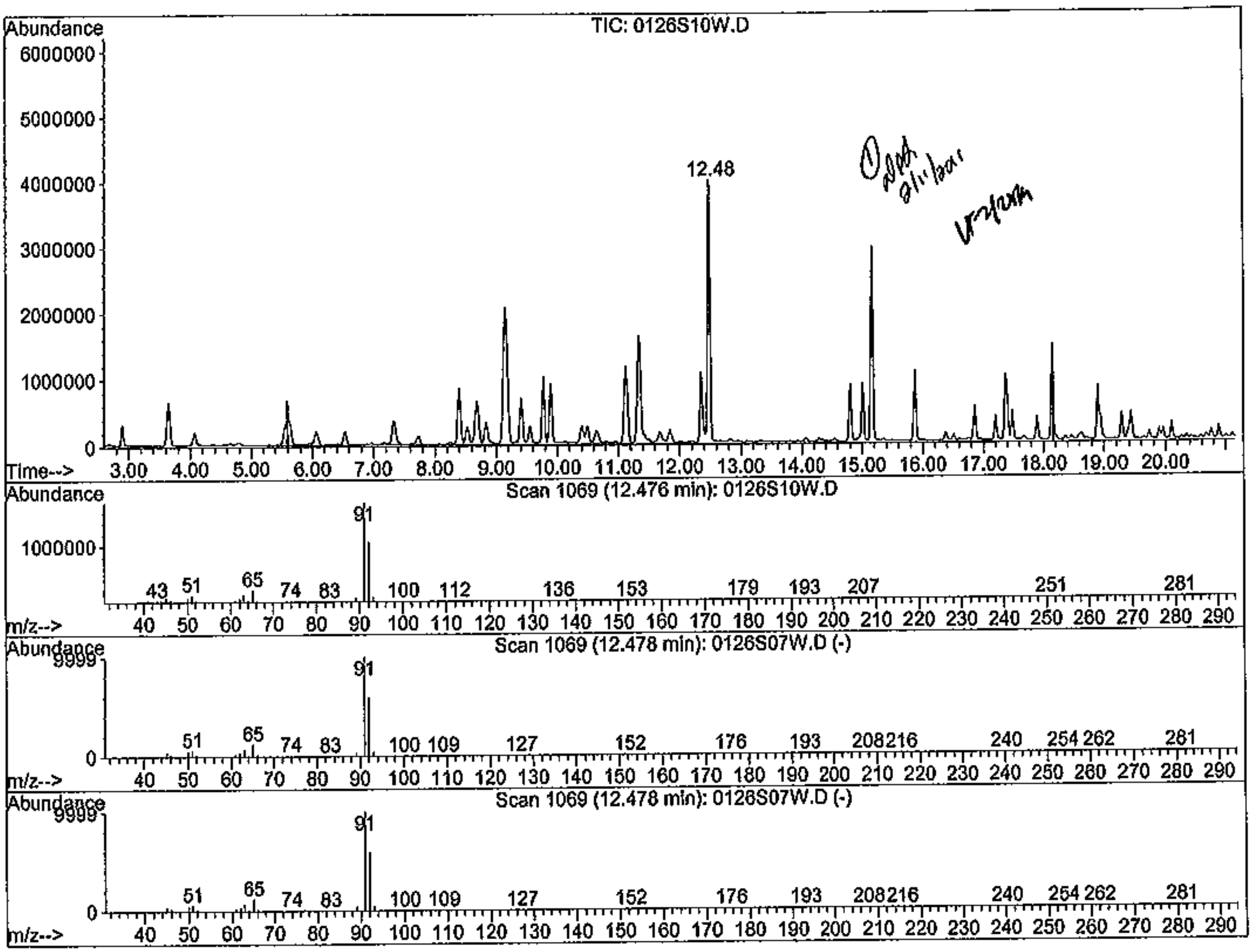
response 77425239

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.10#
0.00	0.00	0.31#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D          Vial: 10
Acq On    : 26 Jan 11  16:29                          Operator: GM
Sample    : Vol Std 01-26-11@1000ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:41 2011                Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration
```



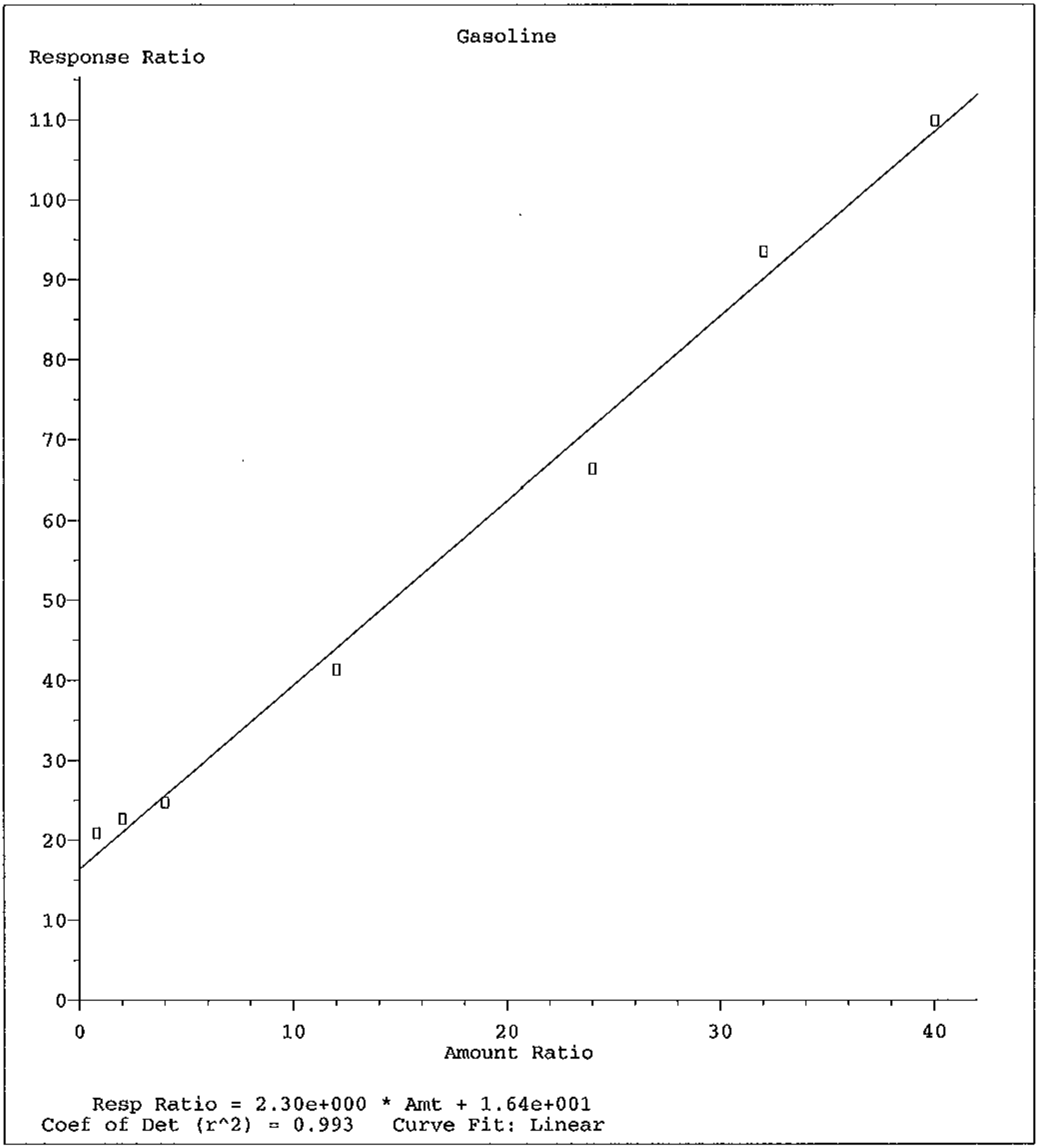
TIC: 0126S10W.D

(2) Gasoline (TMHB)

12.48min 1074.4650ppb m

response 108682600

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.07#
0.00	0.00	0.22#
0.00	0.00	0.00



Method Name: M:\SWEETPEA\DATA\S110126\SGAS.M
Calibration Table Last Updated: Fri Feb 11 16:43:15 2011

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7
Second Source Calibration/iccv

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

SDG No: 63694
Date Analyzed: 1/26/11
Instrument: Sweetpea
Initial Cal. Date: 1/26/11
Data File: 0126S11W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline	7.929	2.781	65	TMHBL	8.9
3	S	Dibromofluoromethane(S)	3.123	3.064	1.9	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	3.276	3.240	1.1	S	
6	S	4-Bromofluorobenzene(S)	1.590	1.505	5.4	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
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21							
22							
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24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			18.4		

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D   Vial: 11
Acq On : 26 Jan 11 17:05   Operator: GM
Sample : GAS 600ug/L (SS)   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 11 16:56 2011   Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

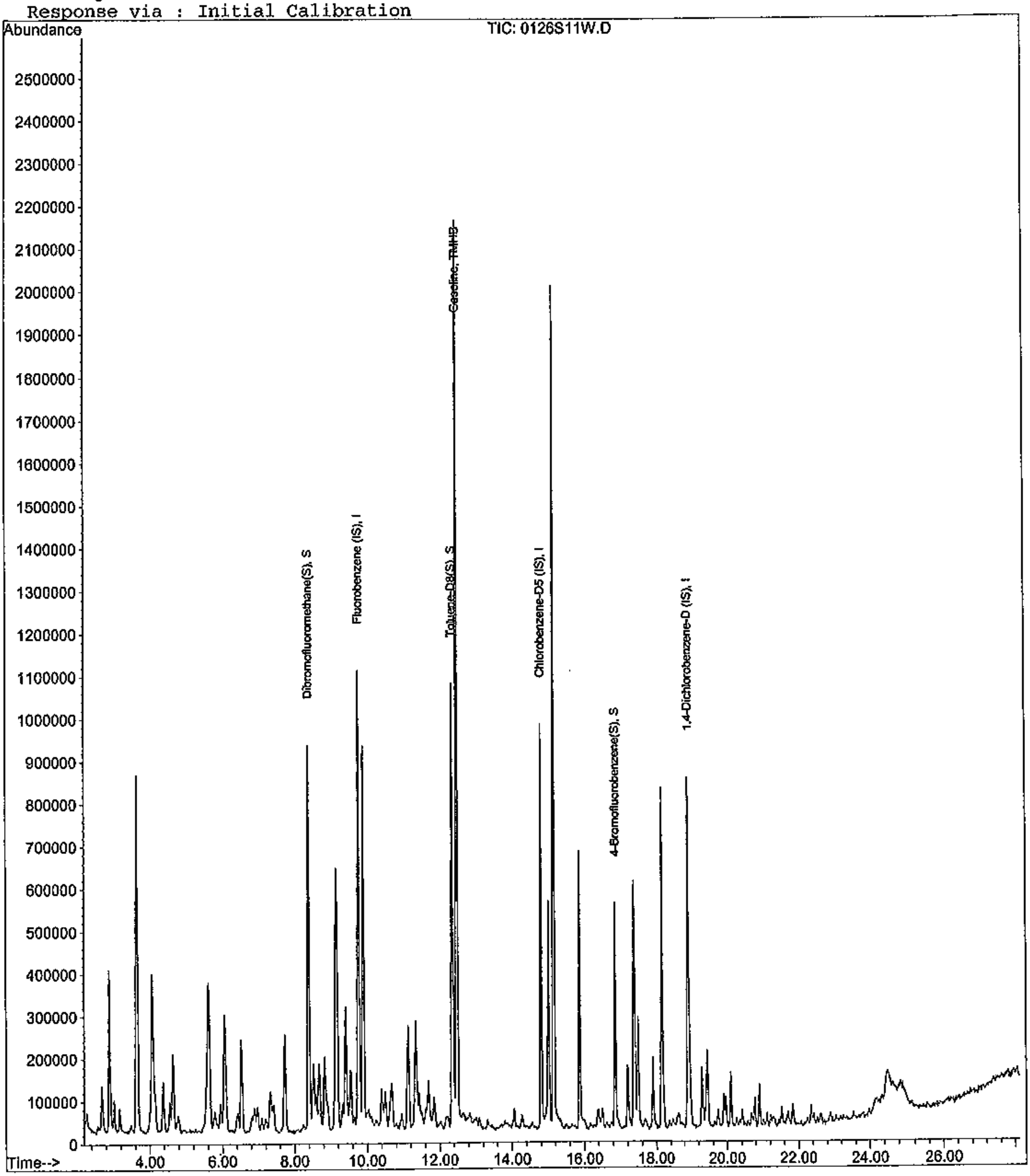
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1068449	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	952977	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	825175	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	2992454	22.41803 ppb	0.00
Spiked Amount 24.523				Recovery = 91.416%	
5) Toluene-D8(S)	12.35	TIC	3100420	24.82409 ppb	0.00
Spiked Amount 23.425				Recovery = 105.972%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1460106	24.09286 ppb	0.00
Spiked Amount 23.162				Recovery = 104.017%	
Target Compounds					Qvalue
2) Gasoline	12.47	TIC	71314740m	546.37016 ppb	100

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                         Operator: GM
Sample    : GAS 600ug/L (SS)                         Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 11 16:56 2011               Quant Results File: SGAS.RES

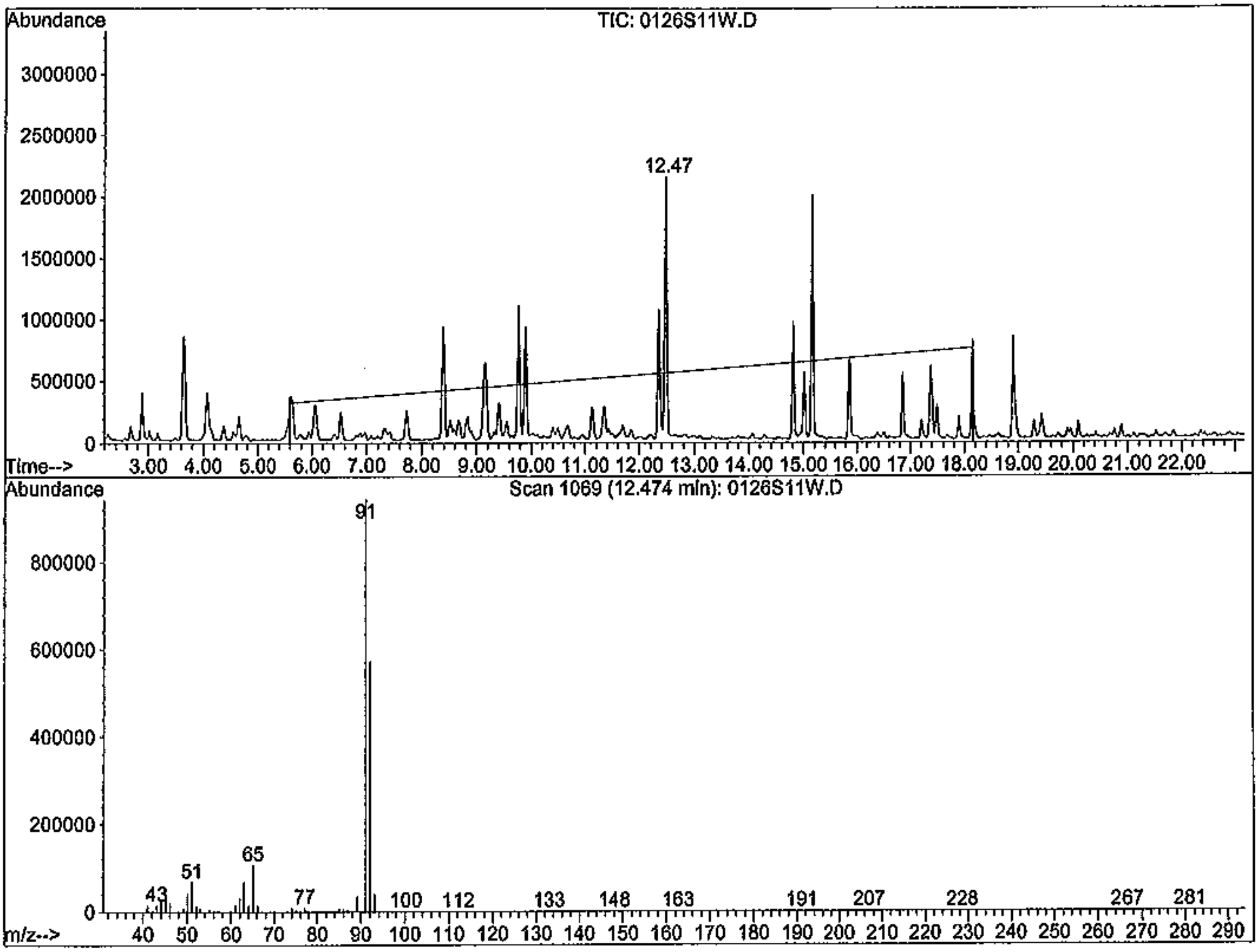
Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Initial Calibration
```



Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                           Operator: GM
Sample    : GAS 600ug/L (SS)                           Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                  Multiplr: 1.00
Quant Time: Feb 11 16:47 2011                 Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:43:15 2011
Response via  : Multiple Level Calibration
```



TIC: 0126S11W.D

(2) Gasoline (TMHB)

12.48min 265.3103ppb m

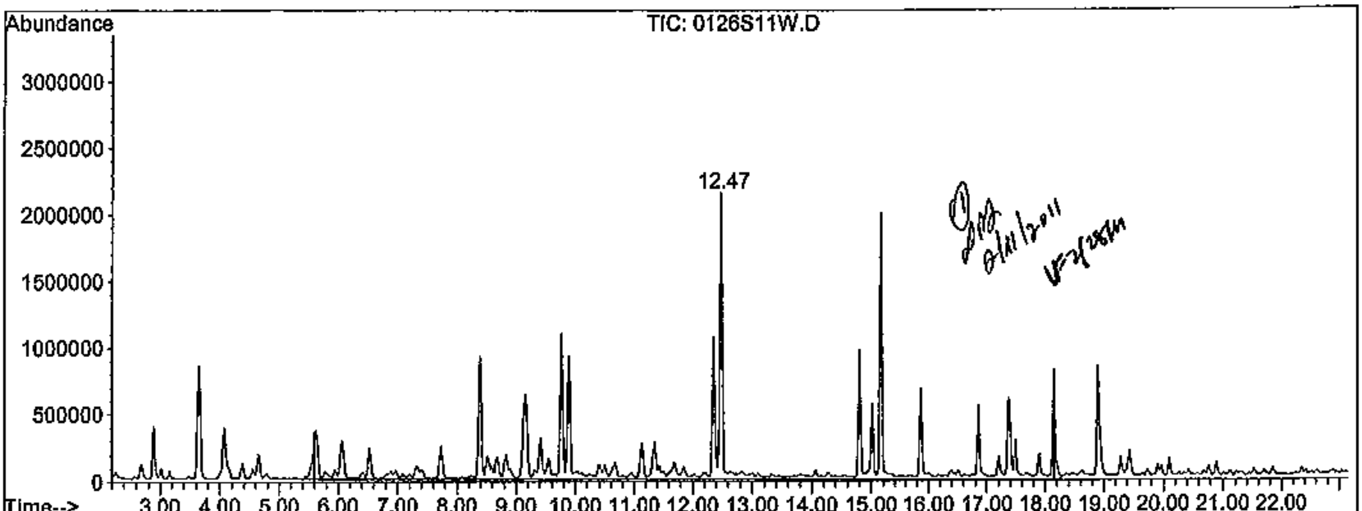
response 43646522

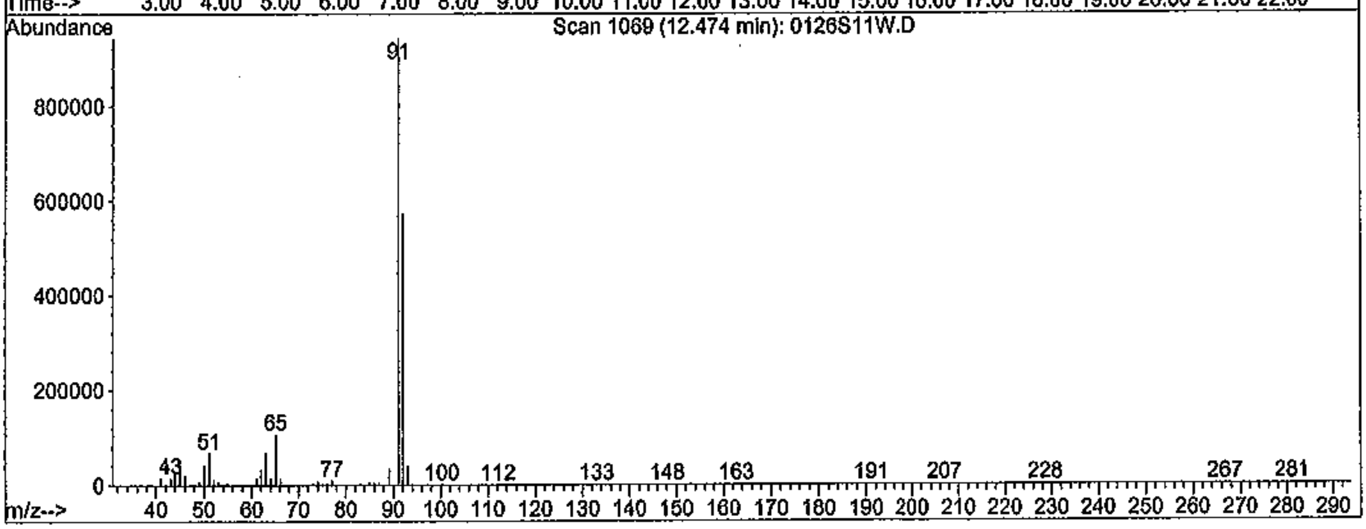
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.19#
0.00	0.00	0.55#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                         Operator: GM
Sample    : GAS 600ug/L (SS)                         Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:56 2011               Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Multiple Level Calibration
```





TIC: 0126S11W.D

(2) Gasoline (TMHB)

12.47min 546.3702ppb m

response 71314740

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.12#
0.00	0.00	0.34#
0.00	0.00	0.00

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No: 63694
Date Analyzed: 1/27/11
Instrument: Sweetpea
Initial Cal. Date: 1/26/11
Data File: 0126S35W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline	7.929	2.827	64	TMHBL	7.0
3	S	Dibromofluoromethane(S)	3.123	3.394	8.7	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	3.276	3.743	14	S	
6	S	4-Bromofluorobenzene(S)	1.590	1.618	1.7	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			22.1		

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D
Acq On : 27 Jan 11 9:15
Sample : GAS 600ug/L STD LCS-1WS
Misc : Water 10mL w/IS: 01-17-11

Vial: 35
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Feb 14 10:42 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	752563	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.82	TIC	602708	25.00000 ppb	0.01
7) 1,4-Dichlorobenzene-D (IS)	18.91	TIC	528360	25.00000 ppb	0.01
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2334987	24.83507 ppb	0.00
Spiked Amount 24.523			Recovery	= 101.272%	
5) Toluene-D8(S)	12.36	TIC	2264982	28.67431 ppb	0.01
Spiked Amount 23.425			Recovery	= 122.407%	
6) 4-Bromofluorobenzene(S)	16.86	TIC	992798	25.90242 ppb	0.01
Spiked Amount 23.162			Recovery	= 111.827%	
Target Compounds					Qvalue
2) Gasoline	12.49	TIC	51052248m	558.22004 ppb	100

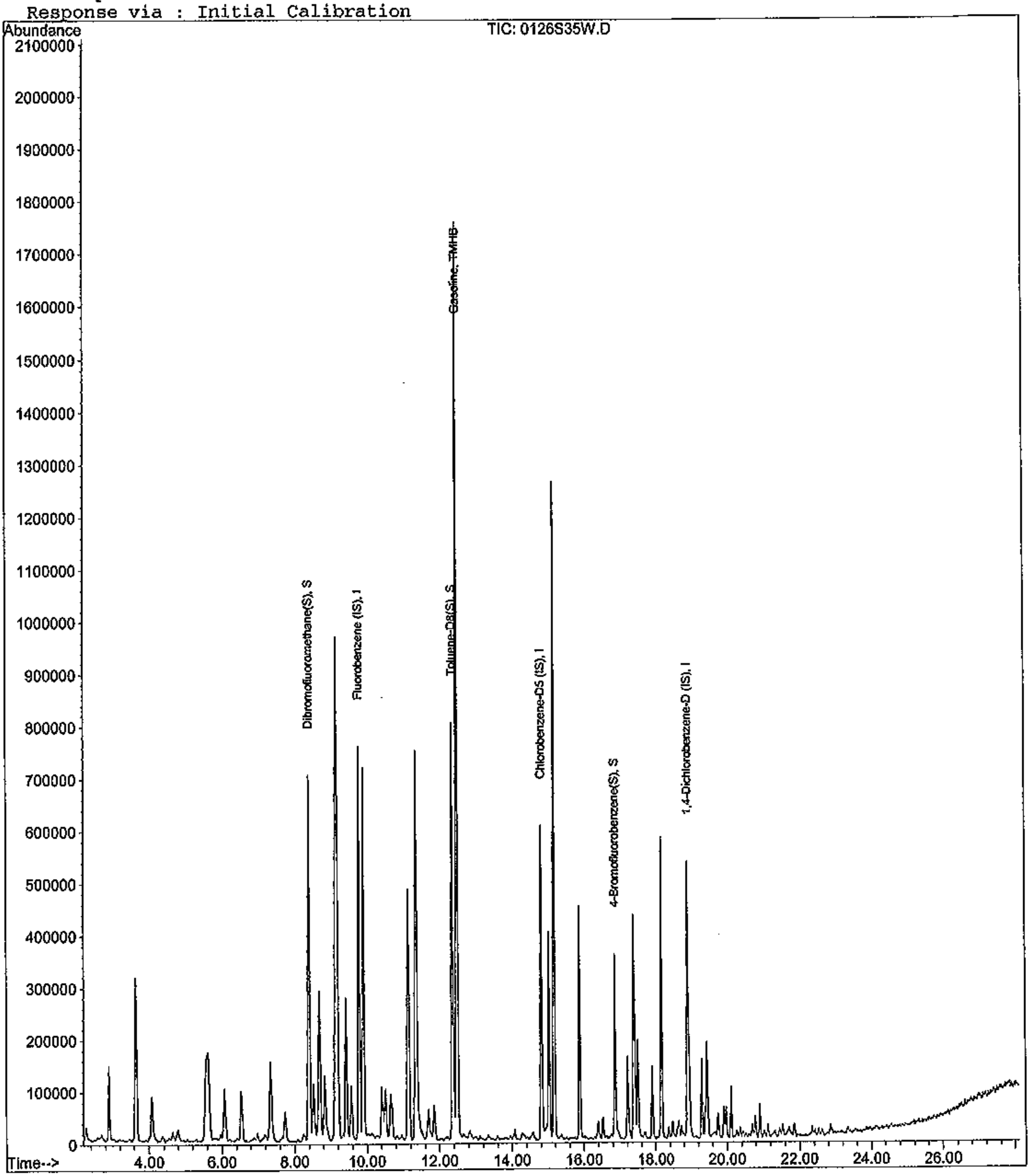
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D          Vial: 35
Acq On    : 27 Jan 11   9:15                          Operator: GM
Sample    : GAS 600ug/L STD LCS-1WS                   Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 14 10:42 2011            Quant Results File: SGAS.RES

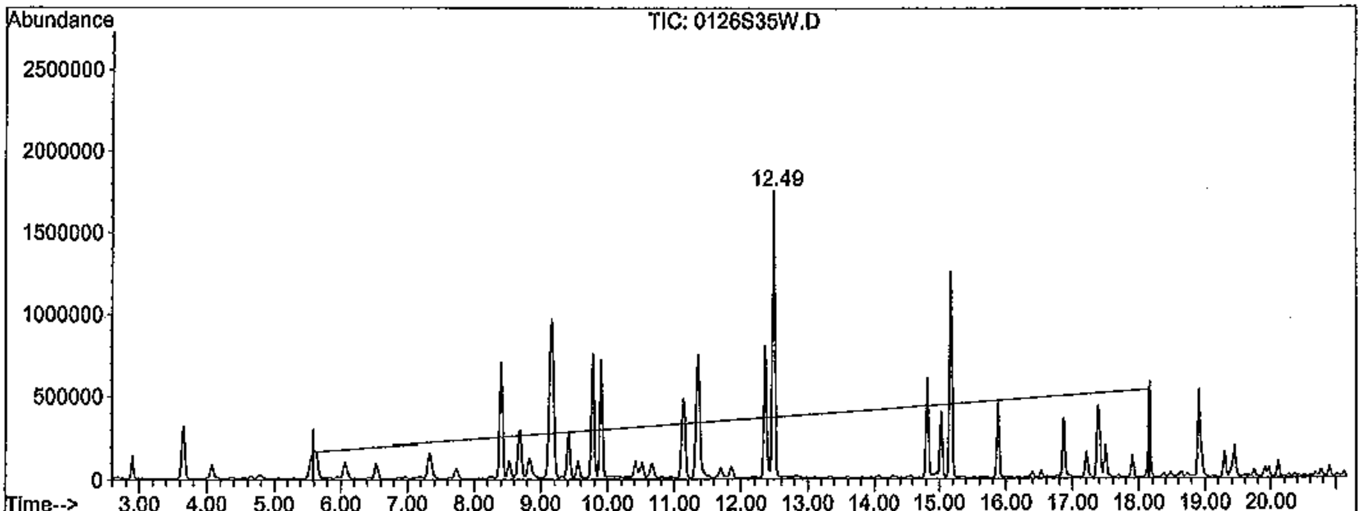
Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
```

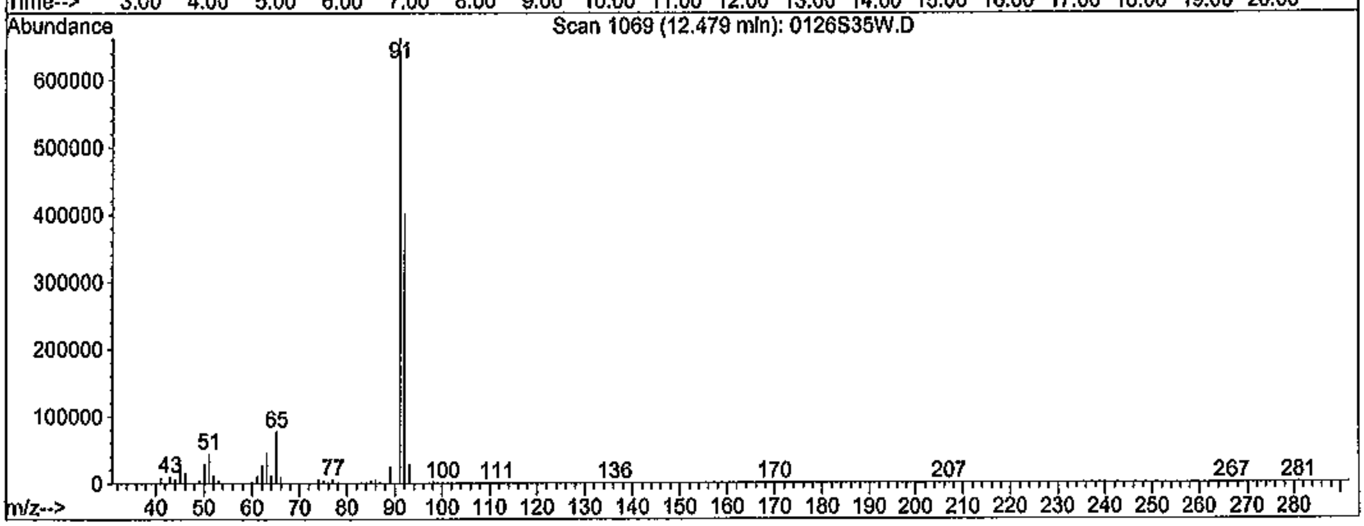


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D          Vial: 35
Acq On    : 27 Jan 11   9:15                         Operator: GM
Sample    : GAS 600ug/L STD LCS-1WS                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 14 10:42 2011              Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Multiple Level Calibration
```





TIC: 0126S35W.D

(2) Gasoline (TMHB)

12.48min 315.3562ppb m

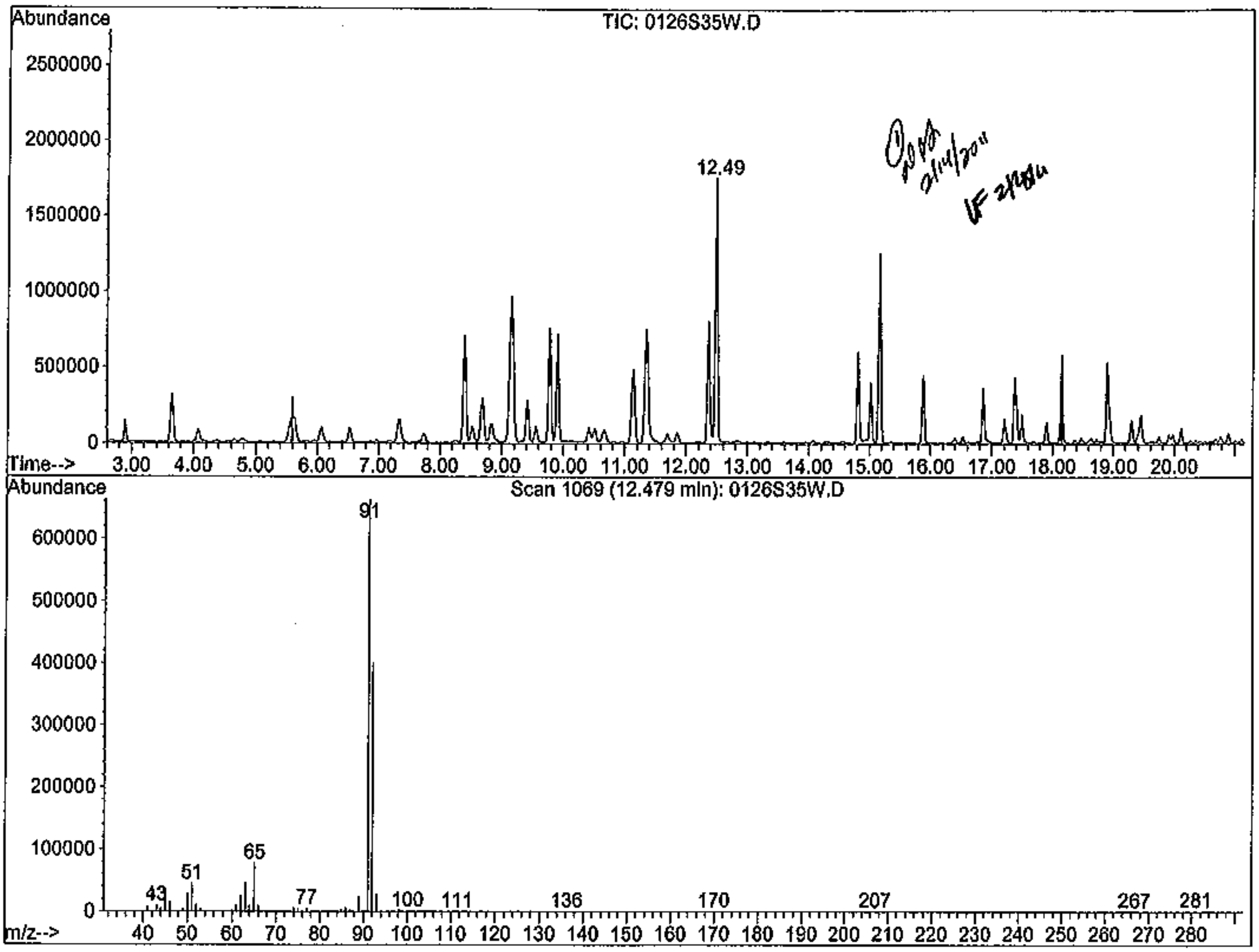
response 34212549

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.14#
0.00	0.00	0.46#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D          Vial: 35
Acq On    : 27 Jan 11   9:15                          Operator: GM
Sample    : GAS 600ug/L STD LCS-1WS                   Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 14 10:42 2011                 Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Multiple Level Calibration
```



TIC: 0126S35W.D

(2) Gasoline (TMHB)

12.49min 558.2200ppb m

response 51052248

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.09#
0.00	0.00	0.31#
0.00	0.00	0.00

EPA METHOD 8260B
Volatile Organic Compounds
Raw Data

Method Blank
EPA 8260B VOCs + Gas Water

Blank Name/QCG: **110124W-30411 - 151951**
Batch ID: #86RHB-110124AS

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	1/25/11	1/25/11
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/25/11	1/25/11
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/25/11	1/25/11
BLANK	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	1/25/11	1/25/11
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/25/11	1/25/11
BLANK	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
BLANK	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/25/11	1/25/11
BLANK	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/25/11	1/25/11
BLANK	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/25/11	1/25/11
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/25/11	1/25/11
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/25/11	1/25/11
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/25/11	1/25/11
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/25/11	1/25/11
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/25/11	1/25/11
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/25/11	1/25/11
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/25/11	1/25/11
BLANK	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/25/11	1/25/11
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/25/11	1/25/11
BLANK	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11

Quant Method: S86ENVW.M
Run #: 0124S20
Instrument: Sweetpea
Sequence: S110124
Initials: SV

GC SC-Blank-REG MDLs
Printed: 2/24/11 9:44:59 AM

Method Blank
EPA 8260B VOCs + Gas Water

Blank Name/QCG: **110124W-30411 - 151951**
Batch ID: #86RHB-110124AS

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	1/25/11	1/25/11
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	1/25/11	1/25/11
BLANK	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/25/11	1/25/11
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/25/11	1/25/11
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/25/11	1/25/11
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/25/11	1/25/11
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/25/11	1/25/11
BLANK	SURROGATE: 1,2-DICHLOROET	106	70-120			%	1/25/11	1/25/11
BLANK	SURROGATE: 4-BROMOFLUOR	104	75-120			%	1/25/11	1/25/11
BLANK	SURROGATE: DIBROMOFLUOR	99.9	85-115			%	1/25/11	1/25/11
BLANK	SURROGATE: TOLUENE-D8 (S)	100	85-120			%	1/25/11	1/25/11

Quant Method: S86ENVW.M
Run #: 0124S20
Instrument: Sweetpea
Sequence: S110124
Initials: SV

GC SC-Blank-REG MDLs
Printed: 2/24/11 9:44:59 AM

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S20W.D   Vial: 20
Acq On : 25 Jan 11 00:06   Operator: GM
Sample : 110124A BLK-1SW   Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:15 2011   Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	10.01	96	110280	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	15.05	117	70920	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	71566	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.64	111	60646	22.82978 ppb	0.00
Spiked Amount 22.854			Recovery	= 99.897%	
23) 1,2-DCA-D4(S)	9.41	65	29293	22.87869 ppb	-0.01
Spiked Amount 21.589			Recovery	= 105.975%	
36) Toluene-D8(S)	12.59	98	266075	25.12036 ppb	-0.01
Spiked Amount 25.102			Recovery	= 100.073%	
44) 4-Bromofluorobenzene(S)	17.10	95	66613	26.44610 ppb	0.00
Spiked Amount 25.458			Recovery	= 103.879%	

Target Compounds   Qvalue

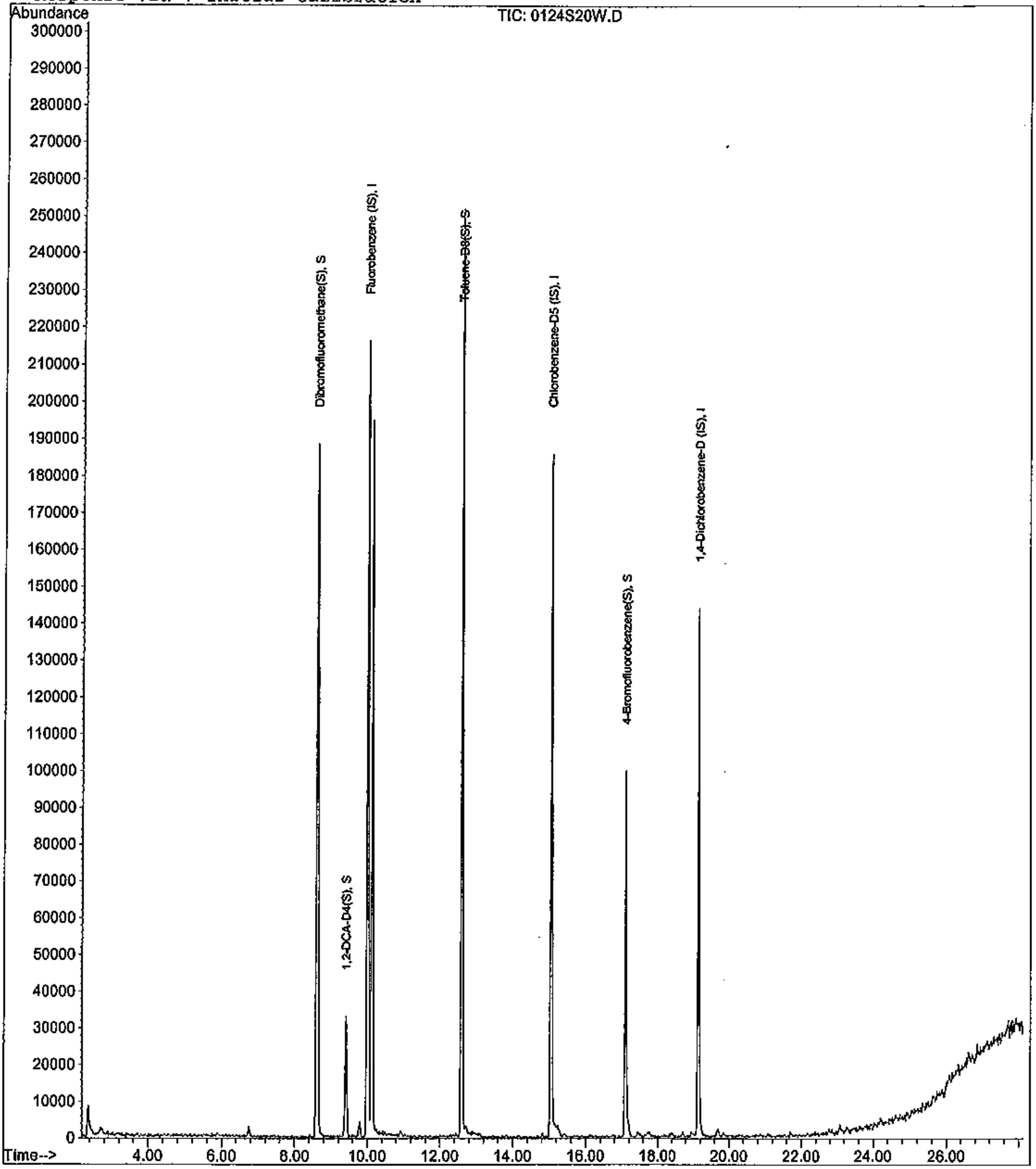
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S20W.D        Vial: 20
Acq On    : 25 Jan 11  00:06                       Operator: GM
Sample    : 110124A BLK-1SW                        Inst    : Sweetpea
Misc      : Water 5mL w/IS&S: 01-17-11             Multiplr: 1.00

Quant Time: Jan 26  9:15 2011              Quant Results File: S86ENVW.RES

Method         : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Wed Jan 26 09:10:39 2011
Response via   : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S14W.D
Acq On : 26 Jan 11 18:53
Sample : 110126A BLK-1WS
Misc : Water 10mL w/IS: 01-17-11

Vial: 14
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Feb 14 10:26 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.76	TIC	1054216	25.00000 ppb	-0.01
4) Chlorobenzene-D5 (IS)	14.81	TIC	854851	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	775740	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.38	TIC	2998535	22.76687 ppb	-0.01
Spiked Amount 24.523				Recovery = 92.839%	
5) Toluene-D8(S)	12.35	TIC	2897939	25.86629 ppb	0.00
Spiked Amount 23.425				Recovery = 110.420%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1383194	25.44363 ppb	0.00
Spiked Amount 23.162				Recovery = 109.850%	

Target Compounds Qvalue

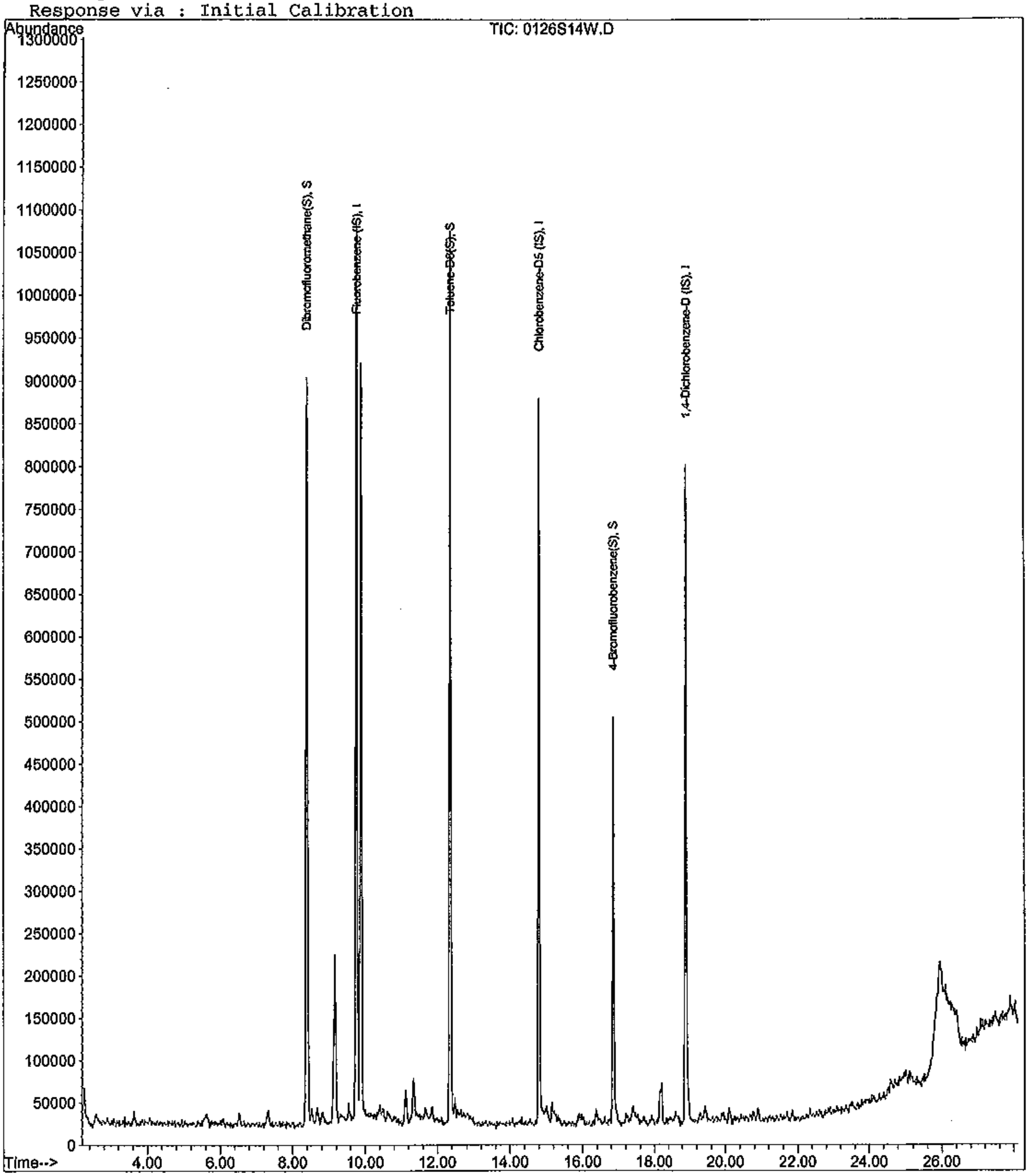
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S14W.D          Vial: 14
Acq On    : 26 Jan 11   18:53                        Operator: GM
Sample    : 110126A BLK-1WS                          Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 10:26 2011              Quant Results File: SGAS.RES

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
```



Laboratory Control Spike Recovery
EPA 8260B VOCs + Gas Water

APPL ID: **110124W-30411 LCS - 151951**
Batch ID: #86RHB-110124AS

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	9.82	98.2	80-130
1,1,1-TRICHLOROETHANE	10.00	10.8	108	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	9.81	98.1	65-130
1,1,2-TRICHLOROETHANE	10.00	10.6	106	75-125
1,1-DICHLOROETHANE	10.00	10.2	102	70-135
1,1-DICHLOROETHENE	10.00	10.6	106	70-130
1,2,3-TRICHLOROPROPANE	10.00	11.2	112	75-125
1,2,4-TRICHLOROBENZENE	10.00	10.6	106	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	9.10	91.0	50-130
1,2-DIBROMOETHANE	10.00	9.94	99.4	70-130
1,2-DICHLOROBENZENE	10.00	10.9	109	70-120
1,2-DICHLOROETHANE	10.00	10.6	106	70-130
1,2-DICHLOROPROPANE	10.00	10.1	101	75-125
1,3-DICHLOROBENZENE	10.00	10.4	104	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	19.4	97.0	70-130
1,4-DICHLOROBENZENE	10.00	10.9	109	75-125
2-BUTANONE	10.00	9.13	91.3	30-150
4-METHYL-2-PENTANONE	10.00	8.29	82.9	60-135
ACETONE	10.00	11.0	110	40-140
BENZENE	10.00	10.2	102	80-120
BROMODICHLOROMETHANE	10.00	9.81	98.1	75-120
BROMOFORM	10.00	9.31	93.1	70-130
BROMOMETHANE	10.00	10.1	101	30-145
CARBON TETRACHLORIDE	10.00	10.6	106	65-140
CHLOROBENZENE	10.00	10.7	107	80-120
CHLORODIBROMOMETHANE	10.00	10.0	100	60-135

Comments: ______

Primary	SPK
Quant Method :	S86ENVW.M
Extraction Date :	1/24/11
Analysis Date :	1/24/11
Instrument :	Sweetpea
Run :	0124S17
Initials :	SV

Printed: 2/24/11 9:45:03 AM

APPL Standard LCS

Laboratory Control Spike Recovery
EPA 8260B VOCs + Gas Water

APPL ID: **110124W-30411 LCS - 151951**
Batch ID: #86RHB-110124AS

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	11.1	111	60-135
CHLOROFORM	10.00	9.83	98.3	65-135
CHLOROMETHANE	10.00	9.42	94.2	40-125
CIS-1,2-DICHLOROETHENE	10.00	9.62	96.2	70-125
ETHYLBENZENE	10.00	10.3	103	75-125
GASOLINE	600	652	109	75-125
HEXACHLOROBUTADIENE	10.00	11.5	115	50-140
METHYL TERT-BUTYL ETHER	10.00	9.47	94.7	65-125
METHYLENE CHLORIDE	10.00	10.1	101	55-140
STYRENE	10.00	10.6	106	65-135
TETRACHLOROETHENE	10.00	11.2	112	45-150
TOLUENE	10.00	10.3	103	75-120
TRANS-1,2-DICHLOROETHENE	10.00	11.0	110	60-140
TRICHLOROETHENE	10.00	10.5	105	70-125
VINYL CHLORIDE	10.00	10.7	107	50-145
XYLENES (TOTAL)	30.0	32.3	108	80-120
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	24.1	112	70-120
SURROGATE: 4-BROMOFLUOROBENZ	25.5	26.5	104	75-120
SURROGATE: DIBROMOFLUOROMETH	22.9	24.4	107	85-115
SURROGATE: TOLUENE-D8 (S)	25.1	26.0	104	85-120

Comments:

Primary	SPK
Quant Method :	S86ENVW.M
Extraction Date :	1/24/11
Analysis Date :	1/24/11
Instrument :	Sweetpea
Run :	0124S17
Initials :	SV

Printed: 2/24/11 9:45:03 AM

APPL Standard LCS

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S17W.D   Vial: 17
Acq On : 24 Jan 11 22:18   Operator: GM
Sample : 110124A LCS-1SW (SS)   Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:12 2011   Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	10.01	96	108064	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	15.05	117	71312	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	75271	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.64	111	63495	24.39242 ppb		0.00
Spiked Amount 22.854			Recovery =	106.732%		
23) 1,2-DCA-D4(S)	9.41	65	30186	24.05962 ppb		-0.01
Spiked Amount 21.589			Recovery =	111.445%		
36) Toluene-D8(S)	12.59	98	276799	25.98917 ppb		-0.01
Spiked Amount 25.102			Recovery =	103.535%		
44) 4-Bromofluorobenzene(S)	17.10	95	67128	26.50407 ppb		0.00
Spiked Amount 25.458			Recovery =	104.107%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.59	85	14055	8.41283 ppb		95
3) Chloromethane	2.88	50	74128	9.42268 ppb		100
4) Vinyl chloride	3.05	62	19152	10.67792 ppb		95
5) Bromomethane	3.63	94	9241	10.10864 ppb		91
6) Chloroethane	3.77	64	37281	11.14559 ppb		94
7) Trichlorofluoromethane	4.23	101	51940	10.24728 ppb		94
8) Acetone	4.87	43	1992	11.04533 ppb		98
9) 1,1-DCE	5.16	96	37287	10.59640 ppb		99
10) Methylene chloride	5.89	84	19837	10.05918 ppb		95
11) Carbon disulfide	5.89	76	169450	10.92583 ppb		95
12) Methyl t-butyl ether (MtBE	6.28	73	25418	9.47344 ppb		96
13) Trans-1,2-DCE	6.44	96	38928	11.02235 ppb		89
14) 1,1-DCA	7.08	63	60953	10.19826 ppb		98
15) MEK (2-Butanone)	7.75	43	1577	9.12514 ppb		95
16) Cis-1,2-DCE	8.05	96	29406	9.61546 ppb		93
17) 2,2-Dichloropropane	8.04	77	46676	9.95818 ppb		94
18) Chloroform	8.32	83	40711	9.83267 ppb		98
19) Bromochloromethane	8.52	128	7978	9.34115 ppb		87
21) 1,1,1-TCA	9.02	97	50676	10.84838 ppb		98
22) 1,1-Dichloropropene	9.28	75	54097	10.94039 ppb		96
24) Carbon Tetrachloride	9.45	117	43963	10.64745 ppb		89
25) 1,2-DCA	9.56	62	14040	10.63297 ppb		97
26) Benzene	9.64	78	128845	10.23628 ppb		95
27) TCE	10.67	95	36226	10.50566 ppb		92
28) 1,2-Dichloropropane	10.89	63	26848	10.12688 ppb	#	95
29) Bromodichloromethane	11.23	83	22603	9.81275 ppb		93
30) Dibromomethane	11.26	93	7174	9.55257 ppb		85
31) Cis-1,3-Dichloropropene	12.14	75	27338	9.95448 ppb		94
32) Toluene	12.72	92	78758	10.29243 ppb		95
33) Trans-1,3-Dichloropropene	12.94	75	15763	9.45871 ppb	#	82
34) 1,1,2-TCA	13.18	83	8914	10.63384 ppb		86
37) 1,2-EDB	14.34	107	8529	9.94323 ppb		90
38) Tetrachloroethene	13.83	164	28357	11.16356 ppb		96
39) 1-Chlorohexane	14.81	91	59769	11.22341 ppb		89
40) 1,1,1,2-Tetrachloroethane	15.19	131	17959	9.81853 ppb		86
41) m&p-Xylene	15.40	106	109457	21.33720 ppb		97
42) o-Xylene	16.11	106	48149	11.01188 ppb		92
43) Styrene	16.14	104	64159	10.59737 ppb		93
45) 2-Hexanone	13.31	58	1627	8.53796 ppb	#	31

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S17W.D Vial: 17
Acq On : 24 Jan 11 22:18 Operator: GM
Sample : 110124A LCS-1SW (SS) Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:12 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,3-Dichloropropane	13.60	76	14968	9.49849 ppb		89
47)	Dibromochloromethane	14.00	129	12476	10.01818 ppb		90
48)	Chlorobenzene	15.11	112	65763	10.66000 ppb		96
49)	Ethylbenzene	15.26	91	142215	10.33334 ppb		98
50)	Bromoform	16.58	173	4910	9.30623 ppb		90
52)	MIBK (methyl isobutyl keto	11.88	43	6350	8.29455 ppb		87
53)	Isopropylbenzene	16.75	105	152269	10.75413 ppb		96
54)	1,1,2,2-Tetrachloroethane	16.91	83	8509	9.80692 ppb		84
55)	t-1,4-Dichloro-2-Butene	17.27	53	1631	8.32135 ppb	#	92
56)	1,2,3-Trichloropropane	17.16	110	1953	11.22769 ppb		94
57)	Bromobenzene	17.40	156	19971	10.84259 ppb		94
58)	n-Propylbenzene	17.44	91	186546	11.02679 ppb		97
59)	2-Chlorotoluene	17.69	91	95994	10.23251 ppb		100
60)	1,3,5-Trimethylbenzene	17.72	105	109225	10.92317 ppb		98
61)	4-Chlorotoluene	17.77	91	78891	10.80472 ppb		97
62)	Tert-Butylbenzene	18.33	119	120435	10.74347 ppb		93
63)	1,2,4-Trimethylbenzene	18.38	105	94837	10.38991 ppb		95
64)	Sec-Butylbenzene	18.71	105	172753	11.00860 ppb		100
65)	p-Isopropyltoluene	18.95	119	131492	10.72815 ppb		98
66)	1,3-DCB	19.03	146	40002	10.39408 ppb		95
67)	1,4-DCB	19.19	146	38181	10.88244 ppb		98
68)	n-Butylbenzene	19.66	91	117897	11.08352 ppb		100
69)	1,2-DCB	19.82	146	28806	10.93305 ppb		93
70)	1,2-Dibromo-3-chloropropan	21.14	75	720	9.09812 ppb		95
71)	1,2,4-Trichlorobenzene	22.75	180	5009	10.62504 ppb		92
72)	Hexachlorobutadiene	23.07	225	6370	11.45013 ppb		94
73)	Naphthalene	23.12	128	14309	10.86301 ppb		99
74)	1,2,3-Trichlorobenzene	23.54	180	8821	11.87587 ppb	#	90

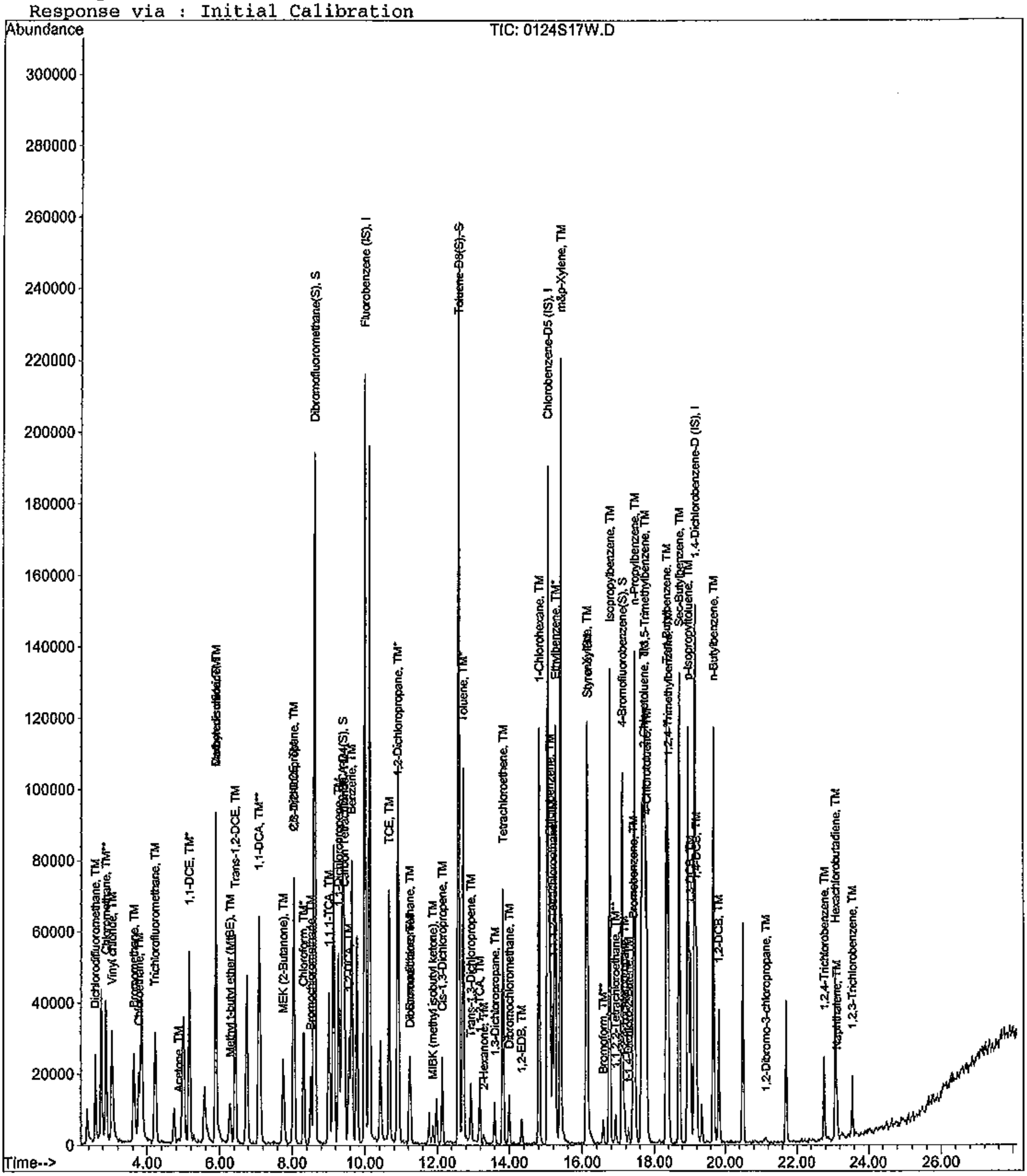
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110124\0124S17W.D          Vial: 17
Acq On    : 24 Jan 11  22:18                          Operator: GM
Sample    : 110124A LCS-1SW (SS)                      Inst    : Sweetpea
Misc      : Water 5mL w/IS&S: 01-17-11                Multiplr: 1.00

Quant Time: Jan 26  9:12 2011              Quant Results File: S86ENVW.RES

Method         : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Wed Jan 26 09:10:39 2011
Response via   : Initial Calibration
```



Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D Vial: 11
Acq On : 26 Jan 11 17:05 Operator: GM
Sample : GAS 600ug/L (SS) Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:56 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

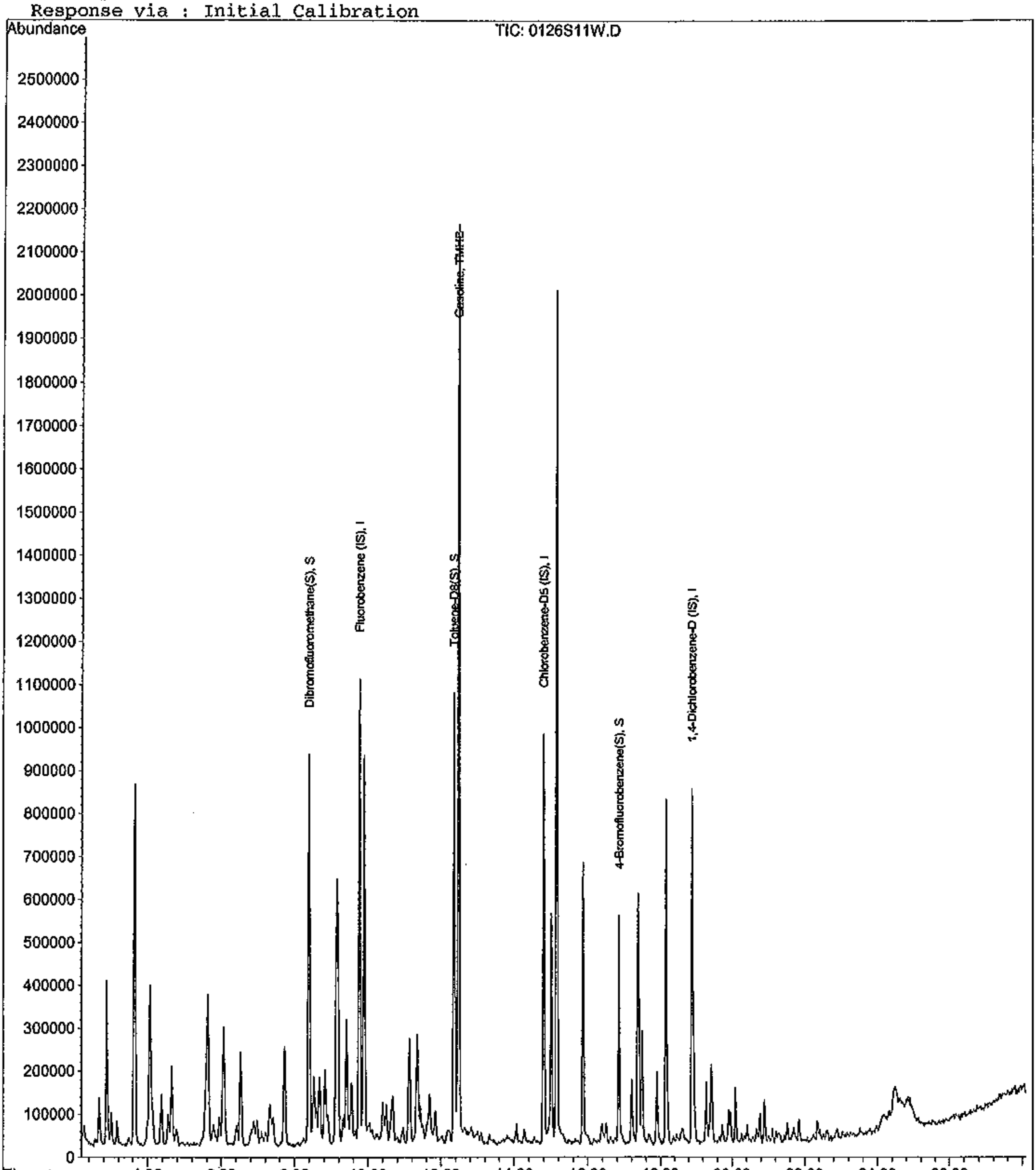
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1068449	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	952977	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	825175	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	2992454	22.41803 ppb	0.00
Spiked Amount 24.523			Recovery =	91.416%	
5) Toluene-D8(S)	12.35	TIC	3100420	24.82409 ppb	0.00
Spiked Amount 23.425			Recovery =	105.972%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1460106	24.09286 ppb	0.00
Spiked Amount 23.162			Recovery =	104.017%	
Target Compounds					Qvalue
2) Gasoline	12.47	TIC	71314740m	546.37016 ppb	100

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                          Operator: GM
Sample    : GAS 600ug/L (SS)                          Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 11 16:56 2011              Quant Results File: SGAS.RES

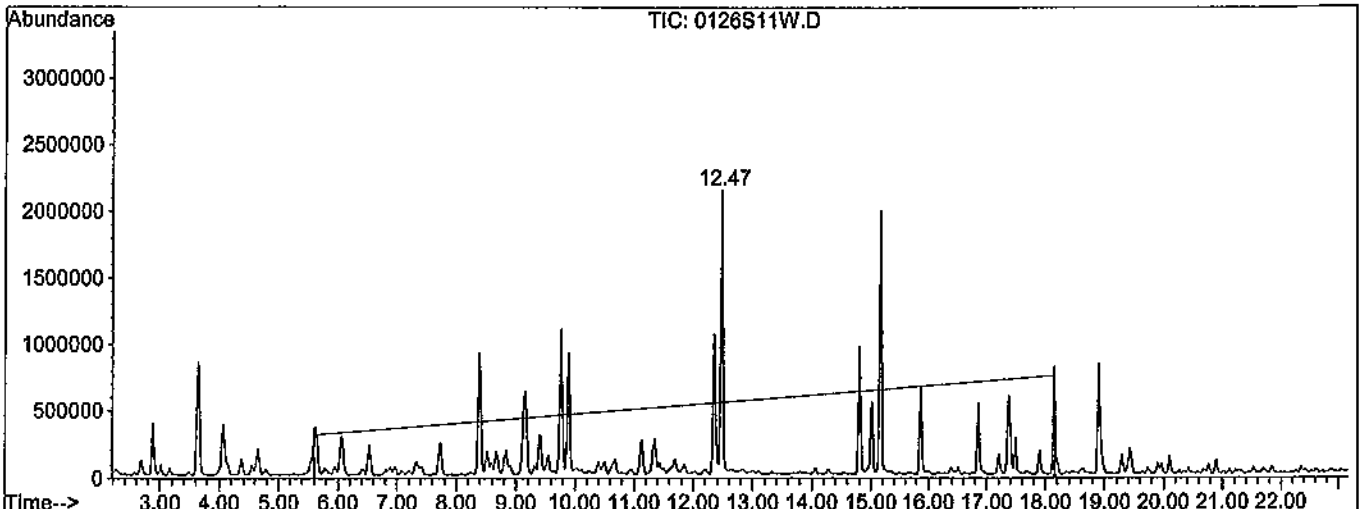
Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
```

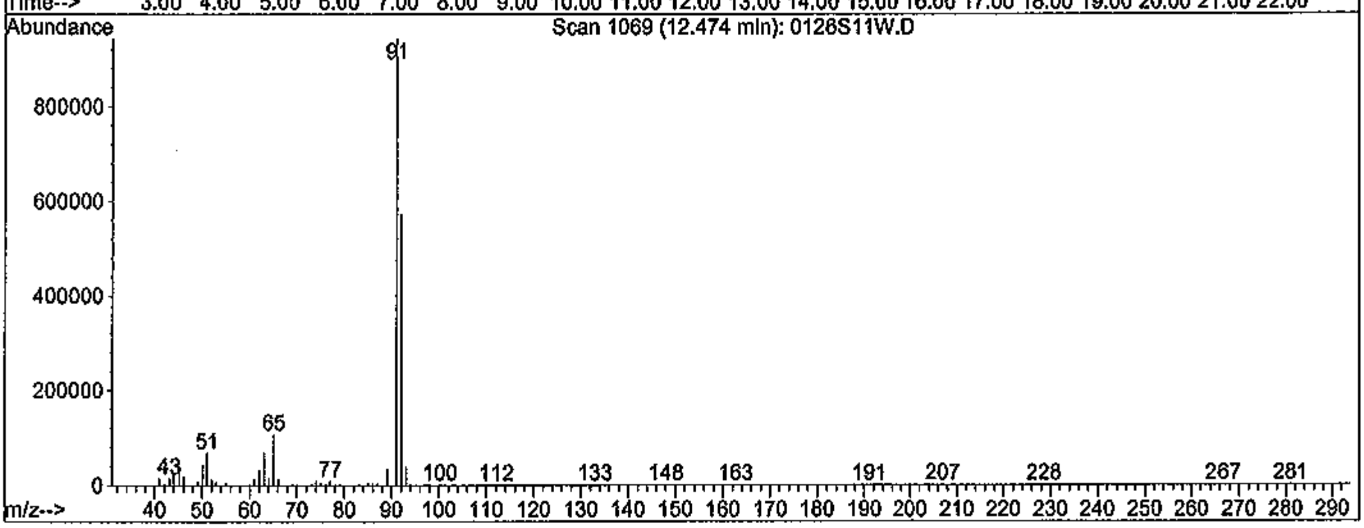


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                          Operator: GM
Sample    : GAS 600ug/L (SS)                          Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:47 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S11W.D

(2) Gasoline (TMHB)

12.48min 265.3103ppb m

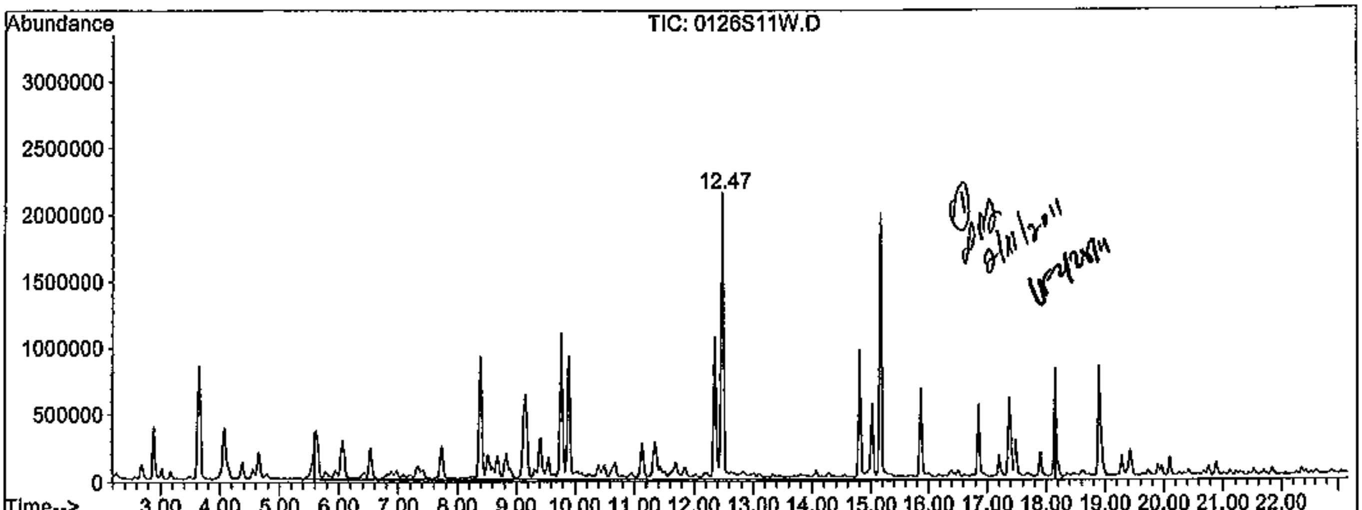
response 43646522

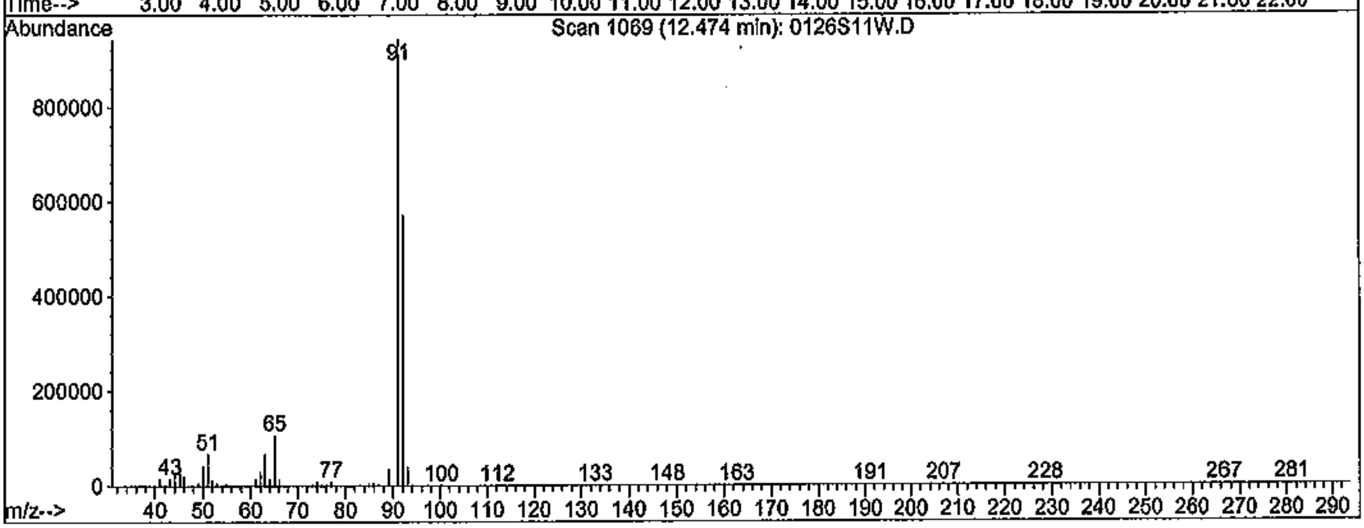
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.19#
0.00	0.00	0.55#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D         Vial: 11
Acq On    : 26 Jan 11   17:05                      Operator: GM
Sample    : GAS 600ug/L (SS)                       Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11              Multiplr: 1.00
Quant Time: Feb 11 16:56 2011             Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Multiple Level Calibration
```





TIC: 0126S11W.D

(2) Gasoline (TMHB)

12.47min 546.3702ppb m

response 71314740

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.12#
0.00	0.00	0.34#
0.00	0.00	0.00

Matrix Spike Recoveries

EPA 8260B VOCs + Gas Water

APPL ID: **110125W-30411 MS - 151951**
Batch ID: #86RHB-110124AS
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1,1,1,2-TETRACHLOROETHANE	10.00	ND	9.40	11.0	94.0	110	80-130	15.7	30
1,1,1-TRICHLOROETHANE	10.00	ND	9.03	8.49	90.3	84.9	65-130	6.2	30
1,1,2,2-TETRACHLOROETHANE	10.00	ND	9.47	10.3	94.7	103	65-130	8.4	30
1,1,2-TRICHLOROETHANE	10.00	ND	10.9	11.0	109	110	75-125	0.91	30
1,1-DICHLOROETHANE	10.00	ND	9.04	9.83	90.4	98.3	70-135	8.4	30
1,1-DICHLOROETHENE	10.00	ND	8.02	8.04	80.2	80.4	70-130	0.25	30
1,2,3-TRICHLOROPROPANE	10.00	ND	11.0	11.6	110	116	75-125	5.3	30
1,2,4-TRICHLOROBENZENE	10.00	ND	8.43	12.7	84.3	127	65-135	40.4 #	30
1,2-DIBROMO-3-CHLOROPROPANE	10.00	ND	9.70	13.1	97.0	131 #	50-130	29.8	30
1,2-DIBROMOETHANE	10.00	ND	10.3	11.7	103	117	70-130	12.7	30
1,2-DICHLOROBENZENE	10.00	ND	9.62	11.0	96.2	110	70-120	13.4	30
1,2-DICHLOROETHANE	10.00	ND	10.7	11.8	107	118	70-130	9.8	30
1,2-DICHLOROPROPANE	10.00	ND	9.64	10.9	96.4	109	75-125	12.3	30
1,3-DICHLOROBENZENE	10.00	ND	9.32	10.4	93.2	104	75-125	11.0	30
1,3-DICHLOROPROPENE, TOTAL	20.0	ND	21.4	21.4	107	107	70-130	0.0	30
1,4-DICHLOROBENZENE	10.00	ND	9.24	11.2	92.4	112	75-125	19.2	30
2-BUTANONE	10.00	ND	8.69	9.53	86.9	95.3	30-150	9.2	30
4-METHYL-2-PENTANONE	10.00	ND	9.19	9.84	91.9	98.4	60-135	6.8	30
ACETONE	10.00	ND	13.0	11.0	130	110	40-140	16.7	30
BENZENE	10.00	ND	9.62	9.92	96.2	99.2	80-120	3.1	30
BROMODICHLOROMETHANE	10.00	ND	10.4	10.8	104	108	75-120	3.8	30
BROMOFORM	10.00	ND	9.71	10.7	97.1	107	70-130	9.7	30
BROMOMETHANE	10.00	ND	4.13	5.11	41.3	51.1	30-145	21.2	30
CARBON TETRACHLORIDE	10.00	ND	8.40	8.37	84.0	83.7	65-140	0.36	30
CHLOROBENZENE	10.00	ND	9.60	10.8	96.0	108	80-120	11.8	30

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	S86ENVW.M	S86ENVW.M
Extraction Date :	1/25/11	1/25/11
Analysis Date :	1/25/11	1/25/11
Instrument :	Sweetpea	Sweetpea
Run :	0124S31	0124S32
Initials :	SV	

Printed: 2/24/11 3:56:00 PM
APPL MSD SCII

Matrix Spike Recoveries
EPA 8260B VOCs + Gas Water

APPL ID: **110125W-30411 MS - 151951**
Batch ID: #86RHB-110124AS
Sample ID: AY30411
Client ID: ES011

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
CHLORODIBROMOMETHANE	10.00	ND	9.66	11.4	96.6	114	60-135	16.5	30
CHLOROETHANE	10.00	ND	10.4	10.7	104	107	60-135	2.8	30
CHLOROFORM	10.00	ND	9.81	10.2	98.1	102	65-135	3.9	30
CHLOROMETHANE	10.00	ND	7.23	7.64	72.3	76.4	40-125	5.5	30
CIS-1,2-DICHLOROETHENE	10.00	ND	9.90	10.1	99.0	101	70-125	2.0	30
ETHYLBENZENE	10.00	0.25	8.98	9.96	87.3	97.1	75-125	10.3	30
GASOLINE	300	20	455	0	145 #	-6.7 #	75-125	200.0 #	30
HEXACHLOROBUTADIENE	10.00	ND	9.00	9.83	90.0	98.3	50-140	8.8	30
METHYL TERT-BUTYL ETHER	10.00	ND	9.24	8.91	92.4	89.1	65-125	3.6	30
METHYLENE CHLORIDE	10.00	ND	9.45	10.3	94.5	103	55-140	8.6	30
STYRENE	10.00	ND	9.69	10.5	96.9	105	65-135	8.0	30
TETRACHLOROETHENE	10.00	ND	7.87	8.86	78.7	88.6	45-150	11.8	30
TOLUENE	10.00	ND	9.28	9.81	92.8	98.1	75-120	5.6	30
TRANS-1,2-DICHLOROETHENE	10.00	ND	8.89	8.97	88.9	89.7	60-140	0.90	30
TRICHLOROETHENE	10.00	ND	8.99	9.22	89.9	92.2	70-125	2.5	30
VINYL CHLORIDE	10.00	ND	8.24	8.49	82.4	84.9	50-145	3.0	30
XYLENES (TOTAL)	30.0	0.58	27.0	30.9	88.1	101	80-120	13.5	30
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	NA	25.1	24.8	116	115	70-120		
SURROGATE: 4-BROMOFLUOROBENZE	25.5	NA	25.0	28.4	98.2	112	75-120		
SURROGATE: DIBROMOFLUOROMETH	22.9	NA	23.7	24.1	104	105	85-115		
SURROGATE: TOLUENE-D8 (S)	25.1	NA	21.4	24.4	85.3	97.2	85-120		

= Recovery is outside QC limits.

Comments:

Primary	**SPK**	**DUP**
Quant Method :	S86ENVW.M	S86ENVW.M
Extraction Date :	1/25/11	1/25/11
Analysis Date :	1/25/11	1/25/11
Instrument :	Sweetpea	Sweetpea
Run :	0124S31	0124S32
Initials :	SV	

Printed: 2/24/11 3:56:01 PM
APPL MSD SCII

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S31W.D Vial: 31
Acq On : 25 Jan 11 6:42 Operator: GM
Sample : AY30411W234 MS-1WS Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:20 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	10.00	96	140992	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	15.05	117	105192	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	110143	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.63	111	80552	23.71801 ppb		0.00
Spiked Amount 22.854				Recovery = 103.783%		
23) 1,2-DCA-D4(S)	9.41	65	41035	25.06826 ppb		0.00
Spiked Amount 21.589				Recovery = 116.114%		
36) Toluene-D8(S)	12.59	98	336733	21.43352 ppb		-0.01
Spiked Amount 25.102				Recovery = 85.389%		
44) 4-Bromofluorobenzene(S)	17.09	95	93461	25.01607 ppb		0.00
Spiked Amount 25.458				Recovery = 98.262%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.59	85	17568	8.05973 ppb		92
3) Chloromethane	2.88	50	74177	7.22683 ppb		99
4) Vinyl chloride	3.05	62	19288	8.24226 ppb		94
5) Bromomethane	3.63	94	4926	4.13005 ppb		84
6) Chloroethane	3.78	64	45597	10.44813 ppb		98
7) Trichlorofluoromethane	4.22	101	57075	8.63056 ppb		94
8) Acetone	4.87	43	3056	12.98761 ppb	#	57
9) 1,1-DCE	5.17	96	36836	8.02343 ppb		97
10) Methylene chloride	5.88	84	24326	9.45461 ppb	#	75
11) Carbon disulfide	5.89	76	151552	7.48964 ppb		99
12) Methyl t-butyl ether (MtBE	6.28	73	32351	9.24146 ppb	#	87
13) Trans-1,2-DCE	6.43	96	40957	8.88847 ppb		97
14) 1,1-DCA	7.08	63	70519	9.04323 ppb	#	94
15) MEK (2-Butanone)	7.75	43	1959	8.68818 ppb		94
16) Cis-1,2-DCE	8.05	96	39499	9.89935 ppb		94
17) 2,2-Dichloropropane	8.04	77	43445	7.10416 ppb		93
18) Chloroform	8.31	83	53014	9.81379 ppb		99
19) Bromochloromethane	8.52	128	10600	9.51926 ppb		84
21) 1,1,1-TCA	9.01	97	55045	9.03165 ppb		96
22) 1,1-Dichloropropene	9.28	75	53648	8.31572 ppb		98
24) Carbon Tetrachloride	9.44	117	45242	8.39821 ppb		93
25) 1,2-DCA	9.55	62	18493	10.72271 ppb		96
26) Benzene	9.65	78	158036	9.62314 ppb		94
27) TCE	10.67	95	40461	8.99345 ppb		95
28) 1,2-Dichloropropane	10.90	63	33337	9.63778 ppb	#	95
29) Bromodichloromethane	11.23	83	31324	10.42289 ppb	#	88
30) Dibromomethane	11.27	93	10876	11.09978 ppb		87
31) Cis-1,3-Dichloropropene	12.14	75	37466	10.45625 ppb		90
32) Toluene	12.71	92	92603	9.27544 ppb		95
33) Trans-1,3-Dichloropropene	12.94	75	23856	10.97179 ppb		98
34) 1,1,2-TCA	13.19	83	11945	10.92170 ppb		87
37) 1,2-EDB	14.34	107	12995	10.27036 ppb	#	90
38) Tetrachloroethene	13.82	164	29502	7.87361 ppb		93
39) 1-Chlorohexane	14.82	91	56706	7.21868 ppb		93
40) 1,1,1,2-Tetrachloroethane	15.18	131	25351	9.39592 ppb		84
41) m&p-Xylene	15.40	106	130348	17.22575 ppb		98
42) o-Xylene	16.11	106	63042	9.77427 ppb		92
43) Styrene	16.14	104	86576	9.69433 ppb		98
45) 2-Hexanone	13.29	58	2851	9.77653 ppb	#	50

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

Data File : M:\SWEETPEA\DATA\S110124\0124S31W.D
Acq On : 25 Jan 11 6:42
Sample : AY30411W234 MS-1WS
Misc : Water 5mL w/IS&S: 01-17-11

Vial: 31
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Jan 26 9:20 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.59	76	22496	9.67779	ppb		96
47)	Dibromochloromethane	14.00	129	17737	9.65547	ppb		89
48)	Chlorobenzene	15.11	112	87381	9.60224	ppb		97
49)	Ethylbenzene	15.25	91	182236	8.97655	ppb		97
50)	Bromoform	16.58	173	7596	9.70694	ppb		94
52)	MIBK (methyl isobutyl keto	11.87	43	10184	9.18667	ppb		99
53)	Isopropylbenzene	16.75	105	233911	11.28977	ppb		98
54)	1,1,2,2-Tetrachloroethane	16.91	83	12021	9.46816	ppb	#	80
55)	t-1,4-Dichloro-2-Butene	17.27	53	1820	6.32312	ppb		78
56)	1,2,3-Trichloropropane	17.16	110	2797	10.98883	ppb	#	65
57)	Bromobenzene	17.40	156	25576	9.48935	ppb		92
58)	n-Propylbenzene	17.44	91	307759	12.43211	ppb		99
59)	2-Chlorotoluene	17.68	91	123647	9.00725	ppb		98
60)	1,3,5-Trimethylbenzene	17.72	105	130620	8.92703	ppb		99
61)	4-Chlorotoluene	17.77	91	98809	9.24811	ppb		99
62)	Tert-Butylbenzene	18.33	119	143164	8.72763	ppb		92
63)	1,2,4-Trimethylbenzene	18.39	105	117273	8.78016	ppb		98
64)	Sec-Butylbenzene	18.72	105	233889	10.18561	ppb		99
65)	p-Isopropyltoluene	18.96	119	148363	8.27221	ppb		99
66)	1,3-DCB	19.02	146	52489	9.32059	ppb		93
67)	1,4-DCB	19.20	146	47412	9.23502	ppb		97
68)	n-Butylbenzene	19.67	91	177027	11.37327	ppb	#	90
69)	1,2-DCB	19.83	146	37081	9.61791	ppb		95
70)	1,2-Dibromo-3-chloropropan	21.13	75	1123	9.69773	ppb	#	64
71)	1,2,4-Trichlorobenzene	22.76	180	5815	8.42947	ppb	#	51
72)	Hexachlorobutadiene	23.08	225	7184	8.99704	ppb		94
73)	Naphthalene	23.12	128	261488	135.66368	ppb		100
74)	1,2,3-Trichlorobenzene	23.54	180	8717	8.02021	ppb		95

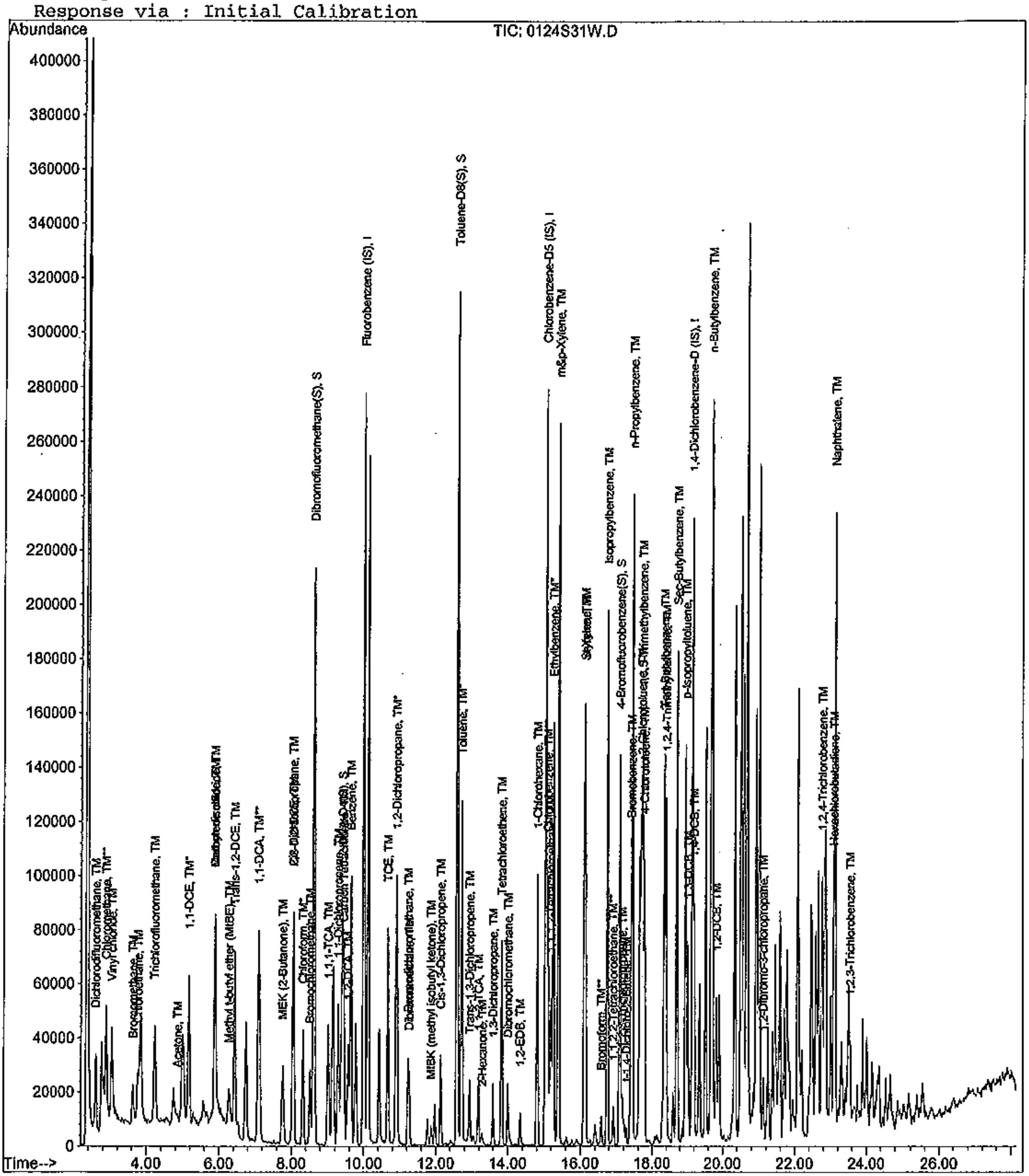
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File	: M:\SWEETPEA\DATA\S110124\0124S31W.D	Vial:	31
Acq On	: 25 Jan 11 6:42	Operator:	GM
Sample	: AY30411W234 MS-1WS	Inst :	Sweetpea
Misc	: Water 5mL w/IS&S: 01-17-11	Multiplr:	1.00

Quant Time: Jan 26 9:20 2011 Quant Results File: S86ENVW.RES

Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S32W.D Vial: 32
Acq On : 25 Jan 11 7:18 Operator: GM
Sample : AY30411W234 MSD-1WS Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:20 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units			Dev(Min)
1) Fluorobenzene (IS)	10.01	96	136832	25.00000	ppb		0.00
35) Chlorobenzene-D5 (IS)	15.04	117	93832	25.00000	ppb		-0.01
51) 1,4-Dichlorobenzene-D (IS)	19.14	152	105590	25.00000	ppb		0.00
System Monitoring Compounds							
20) Dibromofluoromethane(S)	8.64	111	79389	24.08624	ppb		0.00
Spiked Amount 22.854			Recovery =	105.393%			
23) 1,2-DCA-D4(S)	9.41	65	39414	24.81001	ppb		-0.01
Spiked Amount 21.589			Recovery =	114.919%			
36) Toluene-D8(S)	12.59	98	342001	24.40433	ppb		-0.01
Spiked Amount 25.102			Recovery =	97.221%			
44) 4-Bromofluorobenzene(S)	17.10	95	94672	28.40809	ppb		0.00
Spiked Amount 25.458			Recovery =	111.586%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.60	85	16165	7.64153	ppb		99
3) Chloromethane	2.89	50	76128	7.64240	ppb		94
4) Vinyl chloride	3.05	62	19288	8.49284	ppb		99
5) Bromomethane	3.63	94	5918	5.11261	ppb		96
6) Chloroethane	3.77	64	45352	10.70793	ppb		94
7) Trichlorofluoromethane	4.23	101	55349	8.62402	ppb		96
8) Acetone	4.86	43	2511	10.99587	ppb	#	79
9) 1,1-DCE	5.17	96	35821	8.03956	ppb		96
10) Methylene chloride	5.89	84	25618	10.25947	ppb		90
11) Carbon disulfide	5.90	76	156998	7.99467	ppb		98
12) Methyl t-butyl ether (MtBE	6.29	73	30272	8.91047	ppb		95
13) Trans-1,2-DCE	6.44	96	40112	8.96974	ppb		97
14) 1,1-DCA	7.08	63	74413	9.83271	ppb		96
15) MEK (2-Butanone)	7.74	43	2085	9.52812	ppb	#	65
16) Cis-1,2-DCE	8.06	96	38949	10.05828	ppb		98
17) 2,2-Dichloropropane	8.05	77	45231	7.62107	ppb		91
18) Chloroform	8.32	83	53684	10.23995	ppb		96
19) Bromochloromethane	8.52	128	10303	9.53440	ppb		80
21) 1,1,1-TCA	9.01	97	50224	8.49116	ppb		96
22) 1,1-Dichloropropene	9.28	75	52081	8.31826	ppb		96
24) Carbon Tetrachloride	9.45	117	43762	8.37045	ppb		91
25) 1,2-DCA	9.55	62	20032	11.82485	ppb	#	92
26) Benzene	9.64	78	158137	9.92205	ppb		96
27) TCE	10.66	95	40276	9.22450	ppb		90
28) 1,2-Dichloropropane	10.89	63	36683	10.92753	ppb		99
29) Bromodichloromethane	11.23	83	31429	10.77577	ppb		85
30) Dibromomethane	11.27	93	10017	10.53391	ppb		95
31) Cis-1,3-Dichloropropene	12.14	75	36794	10.58089	ppb		89
32) Toluene	12.72	92	95064	9.81143	ppb		96
33) Trans-1,3-Dichloropropene	12.94	75	22873	10.83951	ppb		96
34) 1,1,2-TCA	13.18	83	11710	11.03234	ppb		91
37) 1,2-EDB	14.34	107	13239	11.72995	ppb	#	89
38) Tetrachloroethene	13.83	164	29622	8.86275	ppb		93
39) 1-Chlorohexane	14.81	91	55144	7.86971	ppb		96
40) 1,1,1,2-Tetrachloroethane	15.19	131	26430	10.98179	ppb	#	80
41) m&p-Xylene	15.40	106	135251	20.03762	ppb		99
42) o-Xylene	16.10	106	62388	10.84394	ppb		91
43) Styrene	16.13	104	83965	10.54024	ppb		94
45) 2-Hexanone	13.29	58	3507	12.74399	ppb	#	36

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110124\0124S32W.D Vial: 32
Acq On : 25 Jan 11 7:18 Operator: GM
Sample : AY30411W234 MSD-1WS Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11 Multiplr: 1.00

Quant Time: Jan 26 9:20 2011 Quant Results File: S86ENVW.RES

Quant Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,3-Dichloropropane	13.60	76	24210	11.67608 ppb		94
47)	Dibromochloromethane	14.00	129	18639	11.37490 ppb		94
48)	Chlorobenzene	15.11	112	87734	10.80825 ppb		98
49)	Ethylbenzene	15.26	91	180304	9.95663 ppb		95
50)	Bromoform	16.59	173	7576	10.72459 ppb		79
52)	MIBK (methyl isobutyl keto	11.87	43	10388	9.83859 ppb		91
53)	Isopropylbenzene	16.75	105	232368	11.69890 ppb		99
54)	1,1,2,2-Tetrachloroethane	16.92	83	12569	10.32666 ppb	#	70
55)	t-1,4-Dichloro-2-Butene	17.27	53	2342	8.52013 ppb	#	69
56)	1,2,3-Trichloropropane	17.15	110	2819	11.55282 ppb		72
57)	Bromobenzene	17.41	156	27264	10.55183 ppb		96
58)	n-Propylbenzene	17.45	91	308529	13.00062 ppb		99
59)	2-Chlorotoluene	17.69	91	130242	9.89678 ppb		98
60)	1,3,5-Trimethylbenzene	17.73	105	134877	9.61545 ppb		96
61)	4-Chlorotoluene	17.77	91	102605	10.01750 ppb		95
62)	Tert-Butylbenzene	18.33	119	150210	9.55203 ppb		98
63)	1,2,4-Trimethylbenzene	18.39	105	124623	9.73278 ppb		99
64)	Sec-Butylbenzene	18.71	105	233540	10.60895 ppb		99
65)	p-Isopropyltoluene	18.96	119	158572	9.22267 ppb		96
66)	1,3-DCB	19.02	146	56289	10.42636 ppb		95
67)	1,4-DCB	19.20	146	55192	11.21398 ppb		95
68)	n-Butylbenzene	19.67	91	188051	12.60246 ppb		95
69)	1,2-DCB	19.82	146	40635	10.99420 ppb		91
70)	1,2-Dibromo-3-chloropropan	21.13	75	1455	13.10652 ppb	#	61
71)	1,2,4-Trichlorobenzene	22.75	180	8381	12.67303 ppb	#	56
72)	Hexachlorobutadiene	23.07	225	7580	9.82675 ppb		95
73)	Naphthalene	23.12	128	431589	233.56959 ppb		99
74)	1,2,3-Trichlorobenzene	23.54	180	14735	14.14174 ppb		96

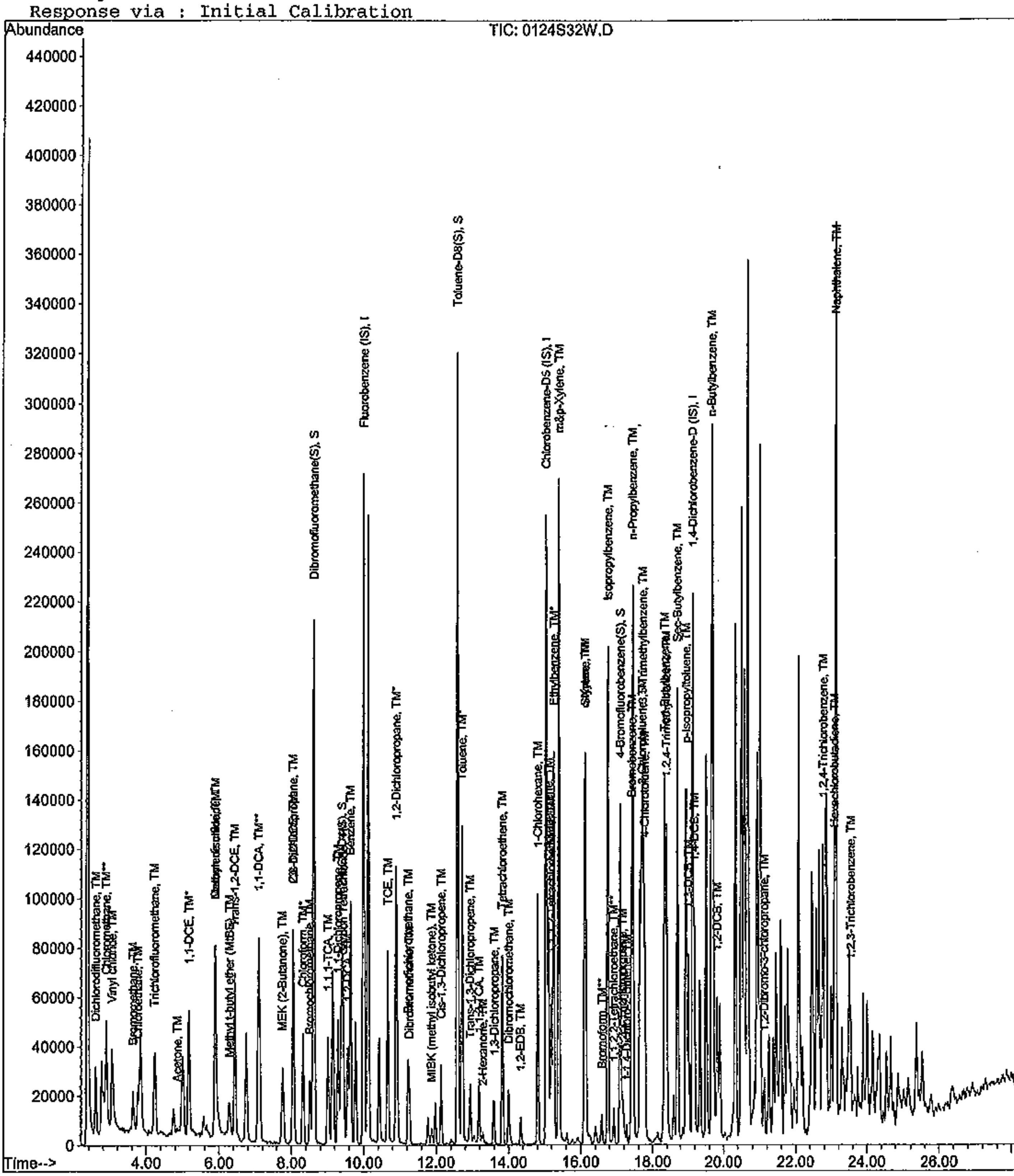
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110124\0124S32W.D   Vial: 32
Acq On : 25 Jan 11 7:18   Operator: GM
Sample : AY30411W234 MSD-1WS   Inst : Sweetpea
Misc : Water 5mL w/IS&S: 01-17-11   Multiplr: 1.00

Quant Time: Jan 26 9:20 2011   Quant Results File: S86ENVW.RES

Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Jan 26 09:10:39 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110126\0126S52W.D        Vial: 52
Acq On    : 27 Jan 11  19:27                           Operator: GM
Sample    : AY30411W678 MS-1WS                         Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                  Multiplr: 1.00

Quant Time: Feb 14 14:33 2011              Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	TIC	808079	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	693909	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	578312	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2403808	23.81057 ppb	0.00
Spiked Amount 24.523			Recovery =	97.097%	
5) Toluene-D8(S)	12.36	TIC	2385130	26.22677 ppb	0.00
Spiked Amount 23.425			Recovery =	111.961%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1147663	26.00748 ppb	0.00
Spiked Amount 23.162			Recovery =	112.281%	
Target Compounds					Qvalue
2) Gasoline	12.48	TIC	47109807m	454.68462 ppb	100

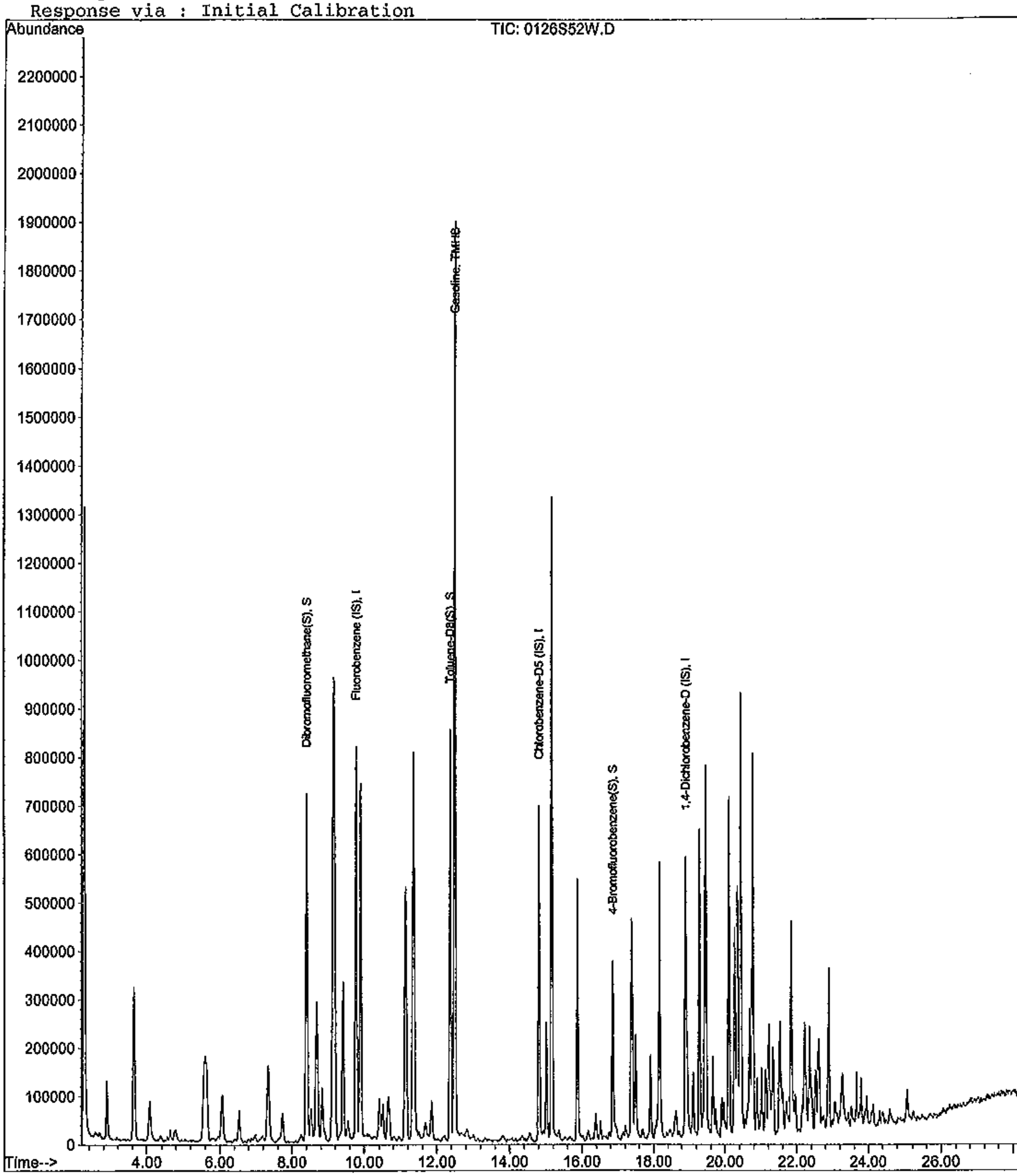
(#) = qualifier out of range (m) = manual integration

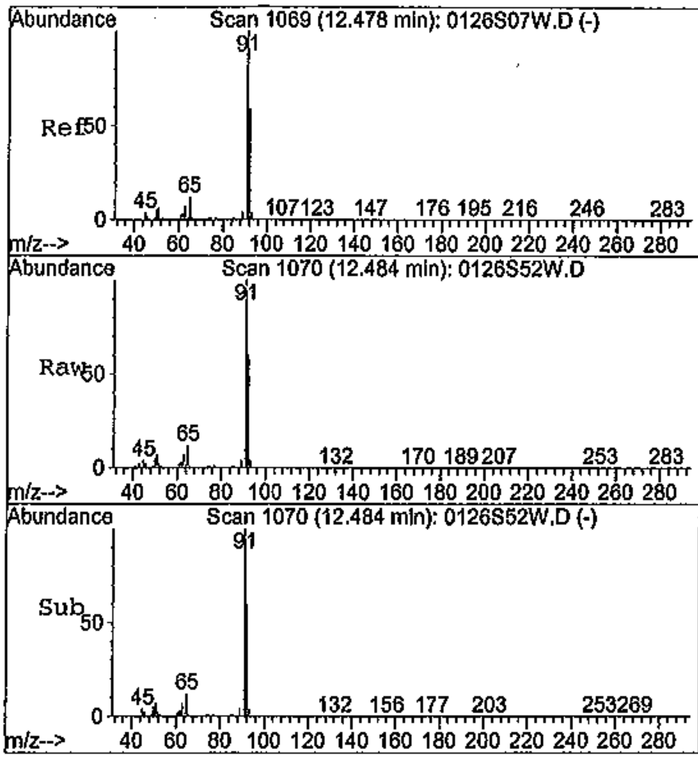
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S52W.D   Vial: 52
Acq On   : 27 Jan 11 19:27   Operator: GM
Sample   : AY30411W678 MS-1WS   Inst   : Sweetpea
Misc   : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 14 14:33 2011   Quant Results File: SGAS.RES

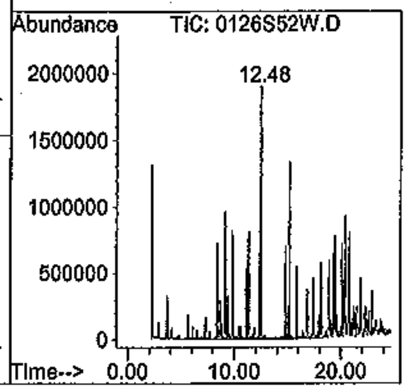
Method   : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title   : METHOD 8260B
Last Update   : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration





#2
Gasoline
Concen: 454.68462 ppb m
RT: 12.48 min Scan# 1070
Delta R.T. 0.01 min
Lab File: 0126S52W.D
Acq: 27 Jan 11 19:27

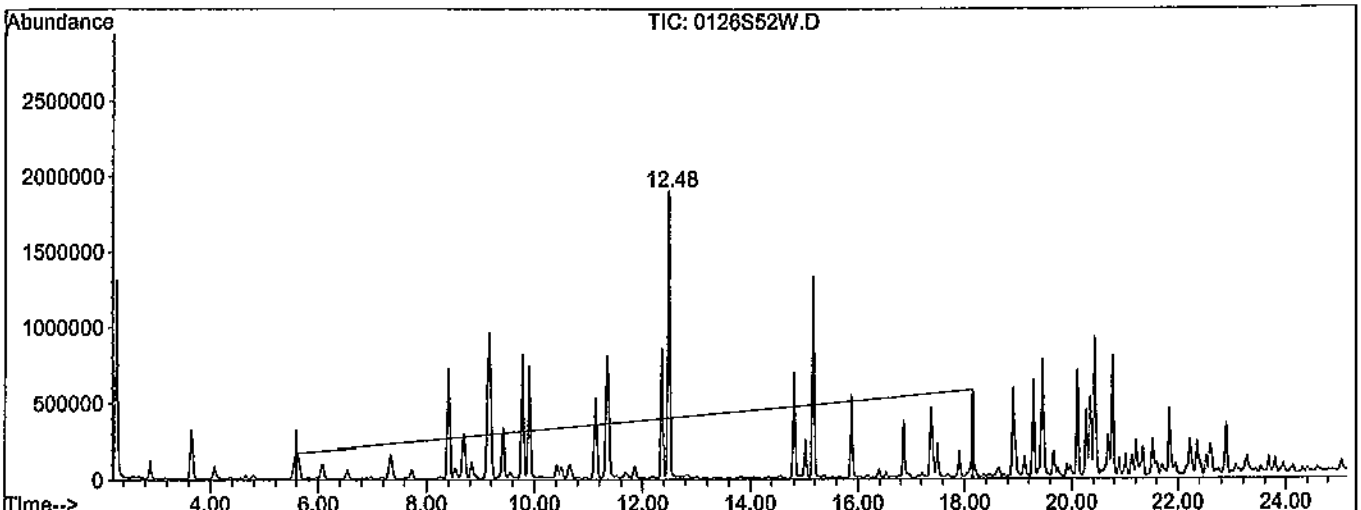
Tgt Ion:TIC Resp:47109807

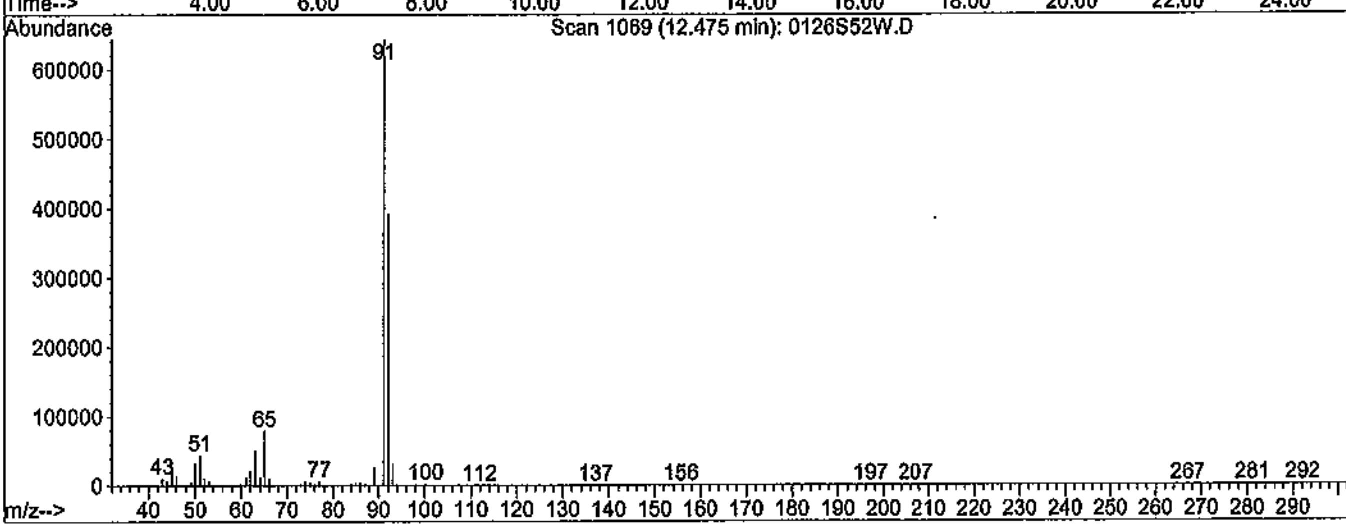


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S52W.D          Vial: 52
Acq On    : 27 Jan 11   19:27                        Operator: GM
Sample    : AY30411W678 MS-1WS                       Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 14 14:29 2011                  Quant Results File: temp.res

Method       : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Multiple Level Calibration
```





TIC: 0126S52W.D

(2) Gasoline (TMHB)

12.48min 303.6347ppb m

response 35863678

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.15#
0.00	0.00	0.47#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S52W.D          Vial: 52
Acq On    : 27 Jan 11   19:27                        Operator: GM
Sample    : AY30411W678 MS-1WS                        Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 14 14:33 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
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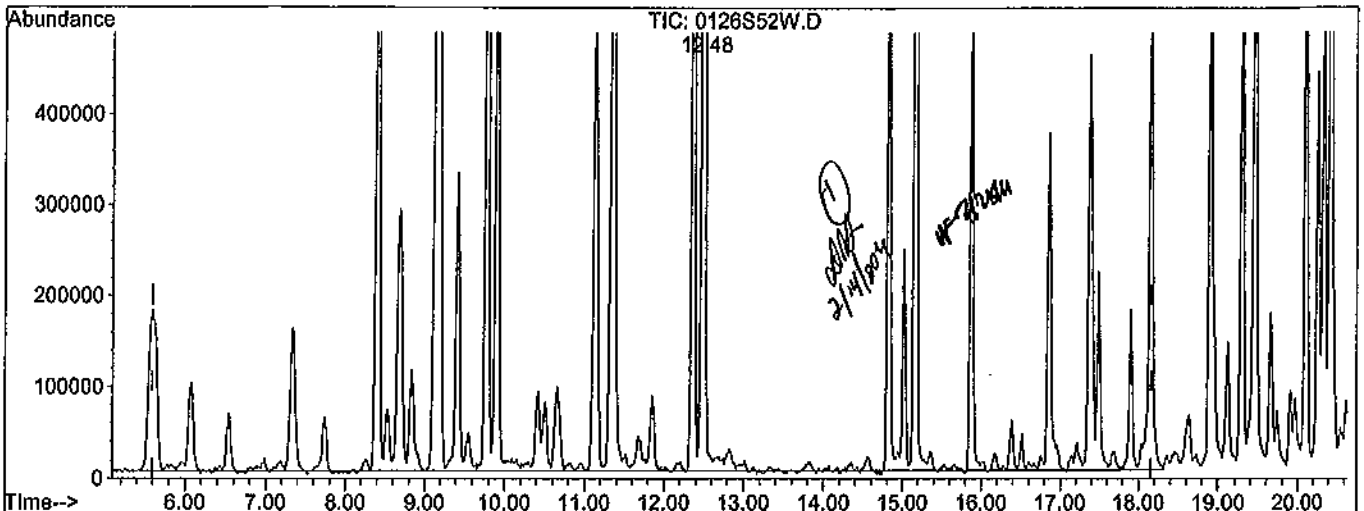
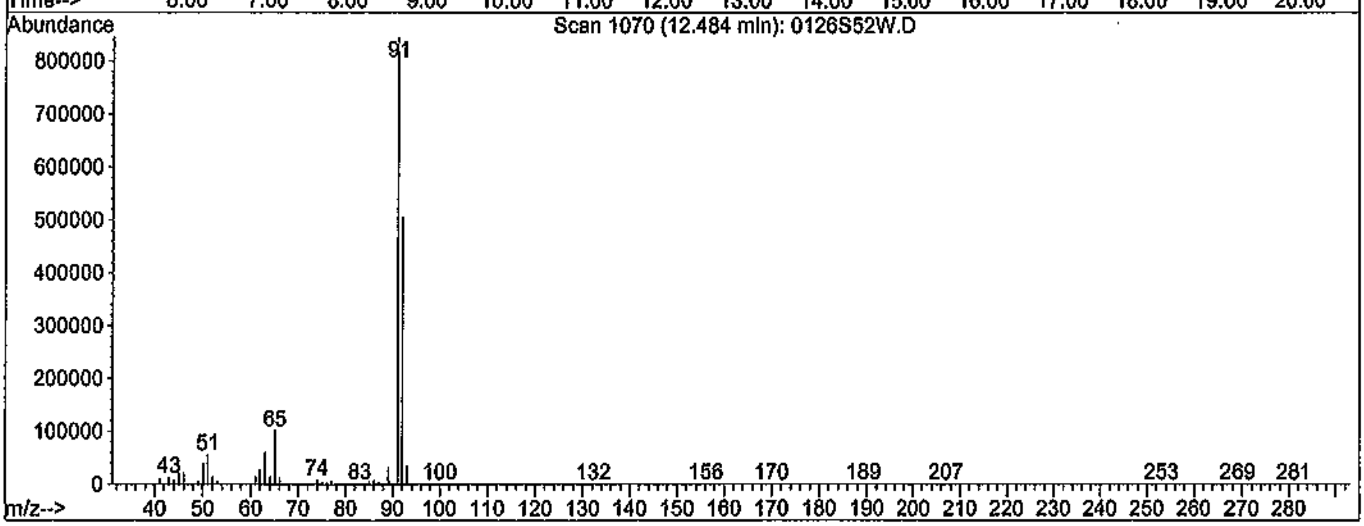




TIC: 0126S52W.D

(2) Gasoline (TMHB)

12.48min 454.6846ppb m

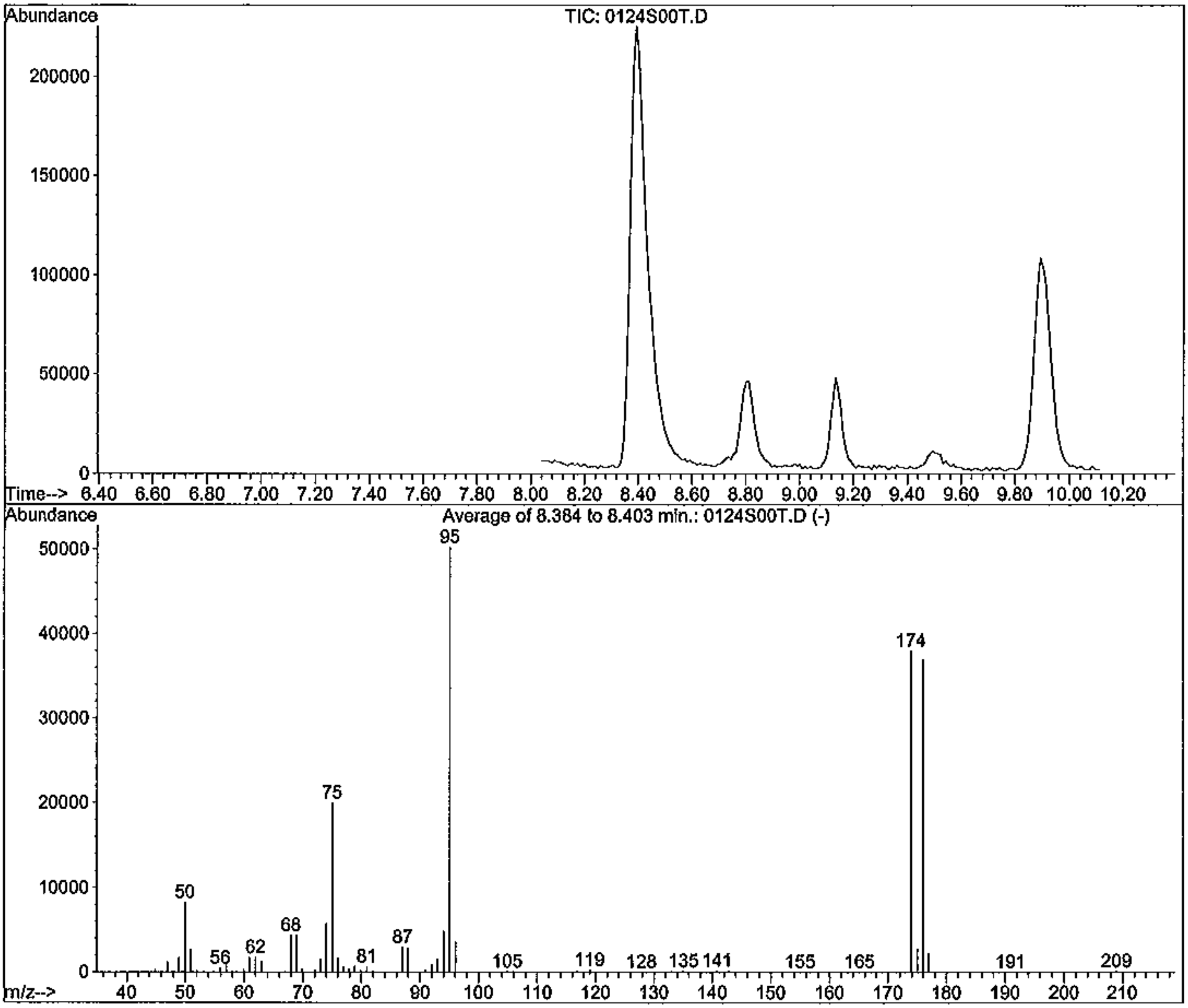
response 47109807

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.11#
0.00	0.00	0.36#
0.00	0.00	0.00

BFB

Data File	: M:\SWEETPEA\DATA\S110124\0124S00T.D	Vial:	1
Acq On	: 24 Jan 11 10:18	Operator:	GM
Sample	: 20uL/mL BFB Std 12-27-10B	Inst :	Sweetpea
Misc	: 2uL	Multiplr:	1.00

Method : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title : METHOD 8260B



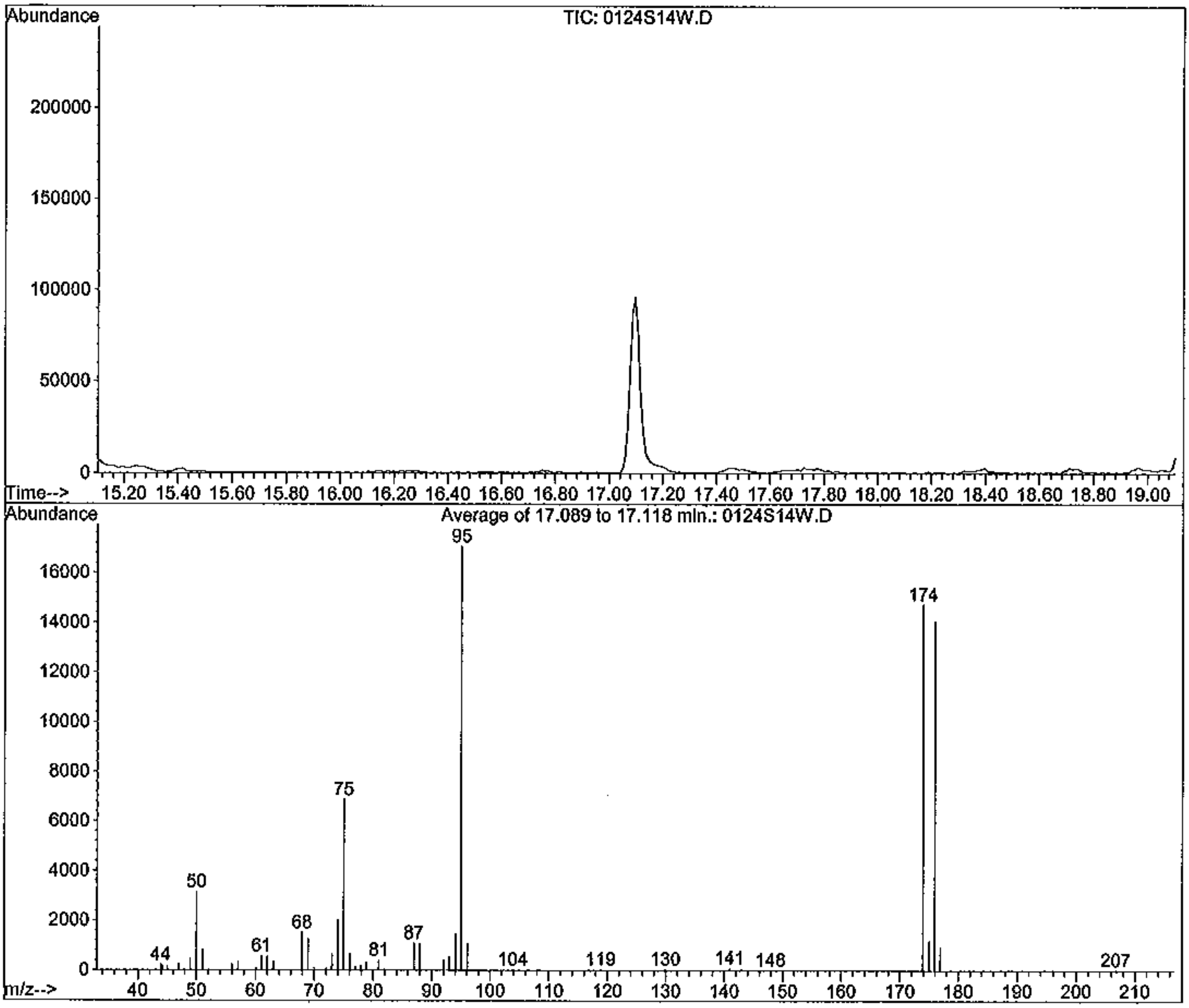
Spectrum Information: Average of 8.384 to 8.403 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	8265	PASS
75	95	30	60	39.8	19988	PASS
95	95	100	100	100.0	50264	PASS
96	95	5	9	7.1	3565	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	75.6	38000	PASS
175	174	5	9	7.3	2761	PASS
176	174	95	101	97.1	36899	PASS
177	176	5	9	6.0	2220	PASS

BFB

```
Data File : M:\SWEETPEA\DATA\S110124\0124S14W.D          Vial: 14
Acq On    : 24 Jan 11  20:30                         Operator: GM
Sample    : 20uL/mL BFB Std 12-27-10B                Inst    : Sweetpea
Misc      :  2uL                                     Multiplr: 1.00

Method    : M:\SWEETPEA\DATA\S110124\S86ENVW.M (RTE Integrator)
Title     : METHOD 8260B
```



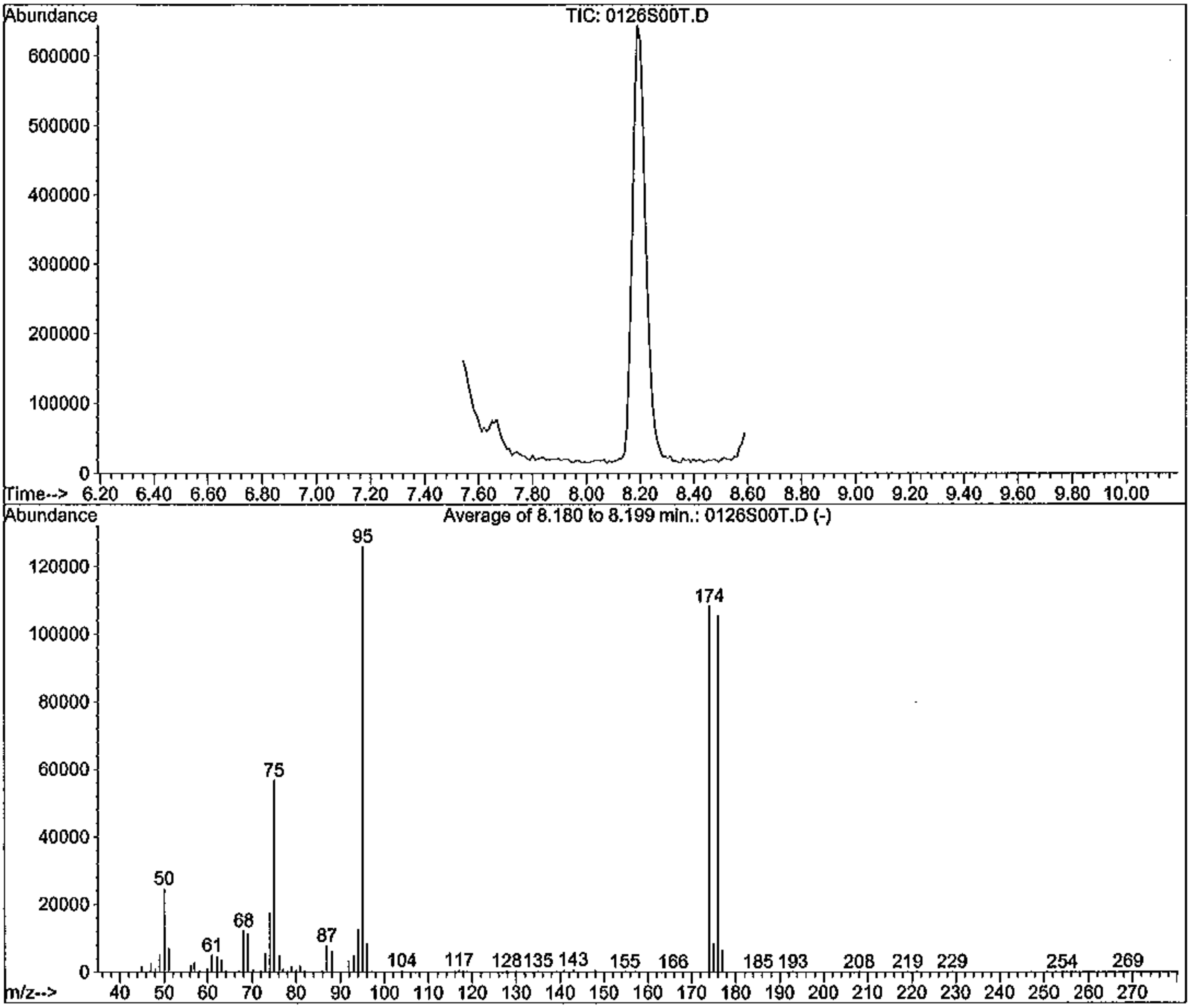
Spectrum Information: Average of 17.089 to 17.118 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	3151	PASS
75	95	30	60	40.4	6887	PASS
95	95	100	100	100.0	17064	PASS
96	95	5	9	6.3	1082	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.3	14726	PASS
175	174	5	9	8.0	1182	PASS
176	174	95	101	95.5	14063	PASS
177	176	5	9	6.6	935	PASS

BFB

```
Data File : M:\SWEETPEA\DATA\S110126\0126S00T.D          Vial: 1
Acq On    : 26 Jan 11  10:28                          Operator: GM
Sample    : 20uL/mL BFB Std 12-27-10B                 Inst    : Sweetpea
Misc      :  2uL                                      Multiplr: 1.00

Method    : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title     : METHOD 8260B
```



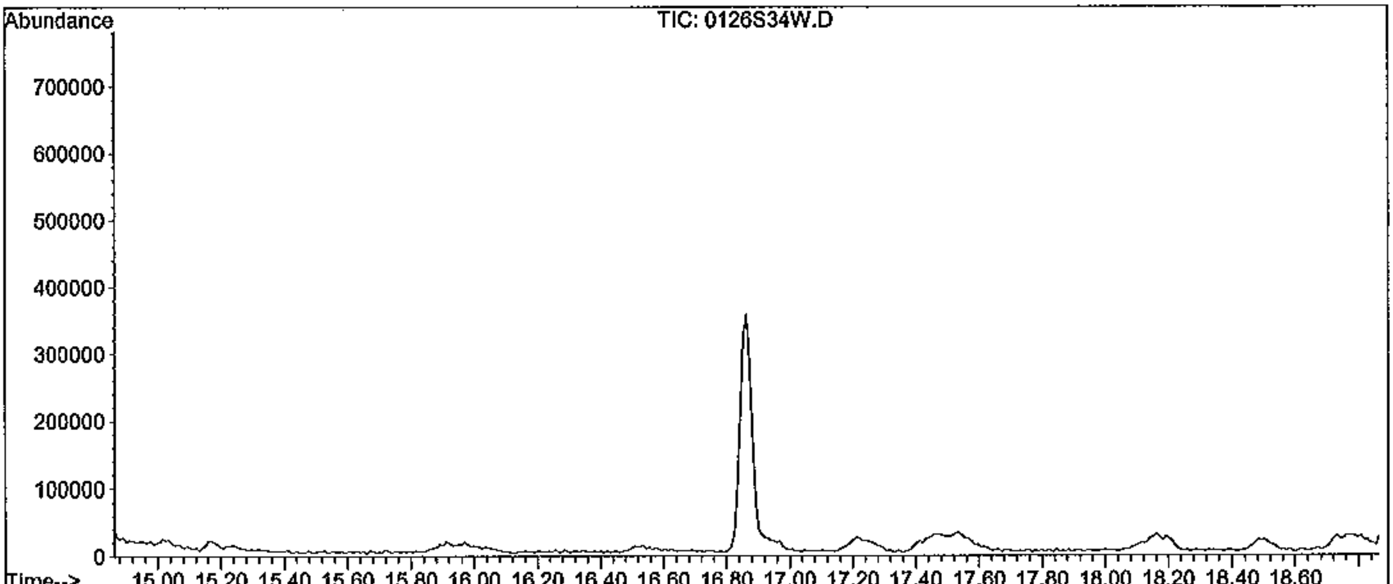
Spectrum Information: Average of 8.180 to 8.199 min.

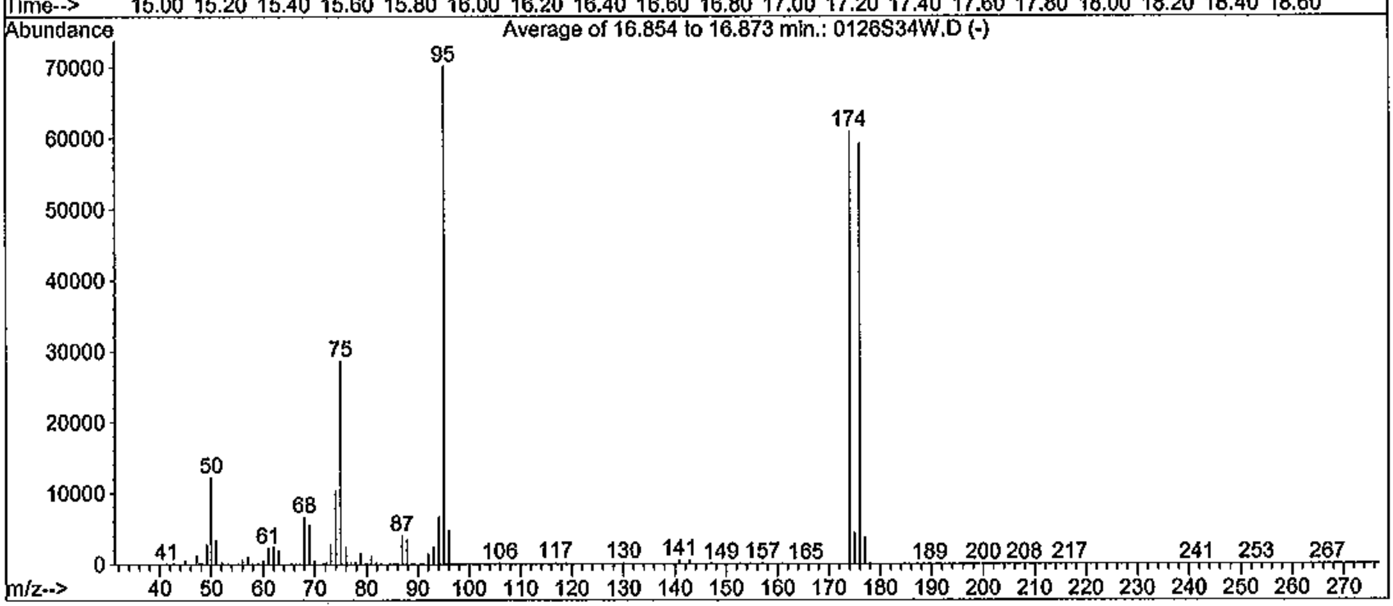
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	24672	PASS
75	95	30	60	45.1	56805	PASS
95	95	100	100	100.0	125910	PASS
96	95	5	9	6.7	8419	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.0	108253	PASS
175	174	5	9	7.7	8353	PASS
176	174	95	101	97.3	105344	PASS
177	176	5	9	6.1	6449	PASS

BFB

Data File : M:\SWEETPEA\DATA\S110126\0126S34W.D   Vial: 34
Acq On   : 27 Jan 11   8:39   Operator: GM
Sample   : 20uL/mL BFB Std 12-27-10B   Inst   : Sweetpea
Misc   : 2uL   Multiplr: 1.00

Method   : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title   : METHOD 8260B





Spectrum Information: Average of 16.854 to 16.873 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	12234	PASS
75	95	30	60	40.9	28678	PASS
95	95	100	100	100.0	70181	PASS
96	95	5	9	6.7	4680	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.8	60931	PASS
175	174	5	9	7.2	4371	PASS
176	174	95	101	97.1	59179	PASS
177	176	5	9	6.3	3725	PASS

1-24-11 RS A-

Method 8260 Gases, 2,000 mg/L, 2 X 0.6 ml
120016-03
Lot # 163095 storage ≤-10 Degrees expiry 8/22/13
Solv: P/T Methanol

Method 8260 Gases
Lot #: 163095 - 27620
Rec: 10/20/10 MFR exp. 08/22/13

1-24-11 RS B-

2-Cloroethyl Vinyl Ether Solution, 2,000 mg/L, 2 X 0.6 ml
o2si smart solutions
Cat. No: 020145-02-02
Lot No: 146517
Exp: 5/7/2011
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only

2-Chloroethyl vinyl ether
Lot #: 146517 - 26258
Rec: 3/12/10 MFR exp. 05/07/11

1-24-11 RS C-

Volatile Mix, 20-29, 2,000 mg/L, 1 ml
122039-02
Lot # 163374 Storage ≤-10 Degrees Expiry 8/29/12
Solv: P/T Methanol

Volatile Mix, 20-29
Lot #: 163374 - 27136
Rec: 9/2/10 MFR exp. 08/29/12

1-24-11 RS D-

Ketones Solution, 2,000 mg/L, 1 ml
o2si smart solutions
Cat. No: 121020-05
Lot No: 146523
Exp: 5/7/2011
Storage: </= -10 Degrees C
Solvent: P/T MeOH:Water 9:1
For Research Use Only

Ketones
Lot #: 146523 - 25425
Rec: 11/6/09 MFR exp. 05/07/11

1-24-11 RS E-

n-Hexane Solution, 1,000 mg/L, 1 ml
o2si
Cat. No: 020620-02
Lot No: 154166
Exp: 12/14/2014
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only

n-Hexane Solution
Lot #: 154166 - 27158
Rec: 9/2/10 MFR exp. 12/14/14

1-24-11 RS F-

Heptane Solution, 1000 mg/L, 1 ml
o2si
Cat. No: 020546-02
Lot No: 149236
Exp: 8/2/2012
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only

Heptane Solution
Lot #: 149236 - 27658
Rec: 10/20/10 MFR exp. 08/02/12

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1-24-11 G1-
RS

VOC Mix 4-3, 2,000 mg/L, 1 ml
o2si
Cat. No: 120166-01
Lot No: 162334
Exp: 8/1/2012
Storage: ≤6 Degrees C
Solvent: P/T Methanol
For Research Use Only
VOC Mix 4-3, 2000mg/L
Lot #: 162334 - 27269
Rec: 9/15/10 MFR exp. 08/01/12

1-24-11 H-
RS

Acrolein Solution, 10,000 mg/L, 2 x 0.6 ml
020719-09-02
Lot # 167853 Storage ≤6 Degrees C Expiry 2/21/11
Solv: Water, HPLC Grade
R&D only, not human consump. Made in the USA
Acrolein solution
Lot #: 167853 - 28133
Rec: 1/17/11 MFR exp. 02/21/11

1-24-11 I-
RS

Method 8260 Gases (Second Source), 2,000 mg/L, 2 X 0.6 ml
o2si
Cat. No: 120016-03-SS
Lot No: 157727
Exp: 4/3/2013
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only
Method 8260 Gases (SS)
Lot #: 157727 - 26718
Rec: 6/8/10 MFR exp. 04/03/13

1-24-11 J-
RS

2-Chloroethyl Vinyl Ether Solution (Second Source), 2,000 mg/L, 2 X 0.6 ml
o2si
Cat. No: 020145-02-02-SS
Lot No: 152530
Exp: 11/3/2011
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only
2-Chloroethyl vinyl ether (SS)
Lot #: 152530 - 25454
Rec: 11/6/09 MFR exp. 11/03/11

1-24-11 K-
RS

Vinyl Acetate Solution (Second Source), 2,000 mg/L, 1ml
020232-02-SS
Lot # 167177 Storage ≤-10 Degrees C Expiry 3/17/11
Solv: P/T Methanol
R&D only, not human consump. Made in the USA
Vinyl Acetate (SS)
Lot #: 167177 - 28041
Rec: 12/27/10 MFR exp. 03/17/11

1-24-11 L-
RS.

Acrolein Solution (Second Source), 10,000 mg/L, 2 x 0.6 ml
020229-09-02-SS
Lot # 167854 Storage ≤6 Degrees C Expiry 2/21/11
Solv: Water, HPLC Grade
R&D only, not human consump. Made in the USA
Acrolein Solution SS
Lot #: 167854 - 28135
Rec: 1/17/11 MFR exp. 02/21/11

1-24-11
RS

01-24-11M							
50ug/ml Vol Work Std #7							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	120016-03	Gas Mix	2000	163095-27620	01-24-11A	01/31/11	100
O2SI	020049-02	HEXACHLOROETHANE	1000	157911-26714	01-17-11B	04/14/11	200
O2SI	020228-02	Benzyl Chloride	1000	154534-26949	01-17-11C	04/14/11	200
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3500
01-24-11N							
50ug/ml Vol Work Std #1							
Exp:01/31/11							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	020145-02-02	2-CEVE	2000	146517-26258	01-24-11B	04/14/11	50
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	1950
01-24-11O							
50ug/ml Vol Work Std #8							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	122039-02	Volatile Mix, 20-29	2000	163374-27136	01-24-11C	04/14/11	100
O2SI	120023-03	VOC's-54 COMP	2000	151805-25457	01-17-11D	04/14/11	100
O2SI	020232-02	Vinyl Acetate	2000	167178-28038	01-17-11E	03/17/11	100
O2SI	020620-02	n-Hexane	1000	154166-27158	01-24-11E	06/14/11	200
O2SI	020546-02	Heptane	1000	149236-27656	01-24-11F	06/14/11	200
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3300
01-24-11P							
50ug/ml Vol Work Std #2							
Exp:01/31/11			ug/ml				
Supplier	ID #	ID					
O2SI	121020-05	HSL's-Ketone Solution	2000	146523-25425	01-24-11D	04/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3900
		01-24-11Q	Exp:	01/31/11			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		01-24-11M	01/31/11	200	
		50ug/ml Vol Work Std #8		01-24-11O	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1600	
		01-24-11R	Exp:	01/31/11			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		01-24-11N	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	
		01-24-11S	Exp:	01/31/11			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		01-24-11P	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	
01-24-11T							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:01/24/11			ug/ml	Lot #	Code	Date	uL
O2SI	120002-01	8260B Surr Solution	2000	153000-26808	01-31-11F	03/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3900
01-24-11U			Exp:	01/31/11			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		01-24-11T	01/31/11	200	
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	1800	
01-24-11V							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P						APPL	
Exp:01/31/11			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120166-01	Volatile Mix 4-3	2000	162334-27269	01-24-11G	05/17/11	500
O2SI	020229-09	Acrolein	10000	167863-28133	01-24-11H	02/21/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3400

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RS

01-24-11W							
50ug/ml VOC Std#5							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03-SS	8260 Gases(SS)	2000	157727-26718	01-24-11I	01/31/11	50
02SI	020145-02-02-S	2-CEVE	2000	152530-25454	01-24-11J	03/14/11	50
J&T Brand		Purge & Trap MeOH		H46844-00491	01/24/11	10/14/11	1900
01-17-11X							
50ug/ml VOC Std#6							
Exp:01/31/11							
	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120023-03-SS	VOC'S 54 COMP.	2000	143038-23882	11-15-10N	03/14/11	50
02SI	120296-01	Custom 8260 Solution	2000	158407-26485	11-15-10O	03/14/11	50
02SI	020232-02-SS	Vinyl Acetate(SS)	2000	167177-28041	01-24-11K	03/17/11	50
02SI	020620-02-SS	n-HEXANE	1000	141564-27168	11-19-10M	03/14/11	100
02SI	020049-02-SS	HEXACHLOROETHANE	1000	154535-25907	11-15-10Q	03/14/11	100
02SI	020546-02-SS	Heptane(SS)	1000	142276-23576	11-19-10N	03/14/11	100
J&T Brand		Purge & Trap MeOH		H46844-00491	01/24/11	10/14/11	1550
01-24-11Y							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P							
						APPL	
Exp:01/31/11			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
02SI	120166-01-SS	VOC Mix 4-3 (SS)	2000	152531-27298	01-17-11I	03/14/11	250
02SI	020229-09-SS	Acrolein SOLUTION (SS)	10000	167854-28115	01-24-11L	02/21/11	50
J&T Brand		Purge & Trap MeOH		H46844-00491	01/24/11	10/14/11	1700

1/24/11
RS

01-24-11Z							
50ug/ml Vol Work Std #7							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03	Gas Mix	2000	163095-27620	01-24-11A	01/31/11	100
02SI	020049-02	HEXACHLOROETHANE	1000	159911-26714	01-17-11B	04/14/11	200
02SI	020228-02	Benzyl Chloride	1000	154534-26949	01-17-11C	04/14/11	200
J&T Brand		Purge & Trap MeOH		H46844-00491	01/24/11	10/14/11	3500
01-24-11AA							
50ug/ml Vol Work Std #1							
Exp:01/31/11							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	020145-02-02	2-CEVE	2000	146517-26258	01-24-11B	04/14/11	50
J&T Brand		Purge & Trap MeOH		H46844-00491	01/24/11	10/14/11	1950
01-24-11AB							
50ug/ml Vol Work Std #8							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	122039-02	Volatile Mix, 20-29	2000	163374-27136	01-24-11C	04/14/11	100
02SI	120023-01	VOC'S-54 COMP	2000	151805-25457	01-17-11D	04/14/11	100
02SI	020232-02	Vinyl Acetate	2000	167178-28038	01-17-11E	03/17/11	100
02SI	020620-02	n-Hexane	1000	154166-27158	01-24-11E	06/14/11	200
02SI	020546-02	Heptane	1000	149216-27656	01-24-11F	06/14/11	200
J&T Brand		Purge & Trap MeOH		H46844-00491	01/24/11	10/14/11	3300
01-24-11AC							
50ug/ml Vol Work Std #2							
Exp:01/31/11			ug/ml				
Supplier	ID #	ID					
02SI	121020-05	HSL'S-Ketone Solution	2000	146523-25425	01-24-11D	04/14/11	100
J&T Brand		Purge & Trap MeOH		H46844-00491	01/24/11	10/14/11	3900
		01-24-11AD	Exp:	01/31/11			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		01-24-11Z	01/31/11	200	
		50ug/ml Vol Work Std #8		01-24-11AB	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1600	
		01-24-11AE	Exp:	01/31/11			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		01-24-11AA	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	

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RS

		01-24-11AF	Exp:	01/31/11			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		01-24-11AC	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	
01-24-11AG							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:01/24/11			ug/ml	Lot #	Code	Date	uL
02SI	120002-01	8260B Surr Solution	2000	153000-26808	01-31-11F	03/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3900
01-24-11AH			Exp:	01/31/11			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		01-24-11AG	01/31/11	200	
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	1800	
01-24-11AI							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P						APPL	
Exp:01/31/11			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	UL
02SI	120166-01	Volatile Mix 4-3	2000	162334-27269	01-24-11G	05/17/11	500
02SI	020229-09	Acrolein	10000	167853-28133	01-24-11H	02/21/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3400

1-24-11
RS

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Sweetpea

	Expiration Date:		01/25/11						
		5ug/mL Vol Std #9	5ug/mL Surr	50ug/mL Vol Std #7	50ug/mL Vol Std #8	50ug/mL Surr	5ug/mL Vol Std #10	50ug/mL Vol Std #1	50ug/mL Vol Std #2
Date	Conc.	01-24-11AD	01-24-11AH	01-24-11Z	01-24-11AB	01-24-11AG	01-24-11AE	01-24-11AA	01-24-11AC
Code	µg/L	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11
01-24-11AJ	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a
01-24-11AK	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a
01-24-11AL	1	10	20	n/a	n/a	n/a	10	n/a	n/a
01-24-11AM	5	n/a	n/a	5	5	10	n/a	5	5
01-24-11AN	10	n/a	n/a	10	10	25	n/a	10	10
01-24-11AO	20	n/a	n/a	20	20	40	n/a	20	20
01-24-11AP	40	n/a	n/a	40	40	80.	n/a	40	40
01-24-11AQ	100	n/a	n/a	100	100	n/a	n/a	100	100
01-24-11AR	200	n/a	n/a	200	200	n/a	n/a	200	200

5ug/mL Vol Std #12	250µg/mL TAPD	Final Vol
01-24-11AF	01-24-11AI	w/P&T H2O
Exp:01-31-11	Exp:01-31-11	mL
3	3	50
5	5	50
10	10	50
n/a	20	50
n/a	25	50
n/a	30	50
n/a	35	50
n/a	40	50
n/a	45	50

1-24-11
RS

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Max

	Expiration Date:		01/25/11						
		5µg/mL Vol Std #9	5ug/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	50µg/mL Vol Std #2
Date	Conc.	01-24-11AD	01-24-11AH	01-24-11Z	01-24-11AB	01-24-11AG	01-24-11AE	01-24-11AA	01-24-11AC
Code	µg/L	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11
01-24-11AS	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a
01-24-11AT	1	10	20	n/a	n/a	n/a	10	n/a	n/a
01-24-11AU	2	20	40	n/a	n/a	n/a	20	n/a	n/a
01-24-11AV	5	n/a	n/a	5	5	10	n/a	5	5
01-24-11AW	10	n/a	n/a	10	10	25	n/a	10	10
01-24-11AX	20	n/a	n/a	20	20	40	n/a	20	20
01-24-11AY	40	n/a	n/a	40	40	80	n/a	40	40
01-24-11AZ	100	n/a	n/a	100	100	n/a	n/a	100	100

5µg/mL Vol Std #12	250µg/mL TAPD	Final Vol
01-24-11AF	01-24-11AI	w/P&T H2O
Exp:01-31-11	Exp:01-31-11	mL
5	5	50
10	10	50
20	15	50
n/a	20	50
n/a	25	50
n/a	30	50
n/a	35	50
n/a	40	50

GC/MS STANDARD PREPARATION BOOK # 56 PAGE

1-25-11
RS.

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Chico												
	Expiration Date:		01/26/11									
Date Code	Conc. µg/L	5µg/mL Vol Std #9 01-24-11Q Exp:01-31-11	5µg/mL Surr 01-24-11U Exp:01-31-11	50µg/mL Vol Std #7 01-24-11M Exp:01-31-11	50µg/mL Vol Std #8 01-24-11O Exp:01-31-11	50µg/mL Surr 01-24-11T Exp:01-31-11	5µg/mL Vol Std #10 01-24-11R Exp:01-31-11	50µg/mL Vol Std #1 01-24-11N Exp:01-31-11	50µg/mL Vol Std #2 01-24-11P Exp:01-31-11	5µg/mL Vol Std #12 01-24-11S Exp:01-31-11	250µg/mL TAPD 01-24-11V Exp:01-31-11	Final Vol w/P&T H2O mL
01-25-11A	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3	3	50
01-25-11B	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5	5	50
01-25-11C	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10	10	50
01-25-11D	5	n/a	n/a	5	5	10	n/a	5	6	n/a	20	50
01-25-11E	10	n/a	n/a	10	10	25	n/a	10	10	n/a	25	50
01-25-11F	20	n/a	n/a	20	20	40	n/a	20	20	n/a	30	50
01-25-11G	40	n/a	n/a	40	40	80	n/a	40	40	n/a	35	50
01-25-11H	100	n/a	n/a	100	100	n/a	n/a	100	100	n/a	40	50
01-25-11I	200	n/a	n/a	200	200	n/a	n/a	200	200	n/a	45	50

1-26-11 RS A-

Method 8260 Internal Standard Solution, 2,000 mg/L, 1 ml
o2si
Cat. No: 120302-03
Lot No: 153416
Exp: 11/24/2011
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only
Method 8260 Internal Standard
Lot #: 153416 - 27250
Rec: 9/15/10 MFR exp. 11/24/11
mption
le Opened:

RS

1-26-11 RS B-

Fluorobenzene Solution, 2,000 mg/L, 1 ml
020132-02
Lot # 162971
Storage ≤ 6 Degrees C
Expiry 8/12/13
Solvent P/T Methanol
Fluorobenzene
Lot #: 162971 - 27344
Rec: 9/21/10 MFR exp. 08/12/13

RS

1-26-11 RS. C-

Method 8260B Surrogate Solution, 2,000 mg/L, 1 ml
o2si
Cat. No: 120002-01
Lot No: 153000
Exp: 11/21/2012
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only
Method 8260B Surrogate
Lot #: 153000 - 26812
Rec: 6/22/10 MFR exp. 11/21/12
d:

RS

1-26-11
RS

Sweetpea							
01-26-11D							
250ug/ml 8260 Internal Standard - Sweetpea			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120302-03	Internal Standard Mix	2000	153416-27250	01-26-11A	05/10/11	500
	020132-02	Fluorobenzene Standard	2000	162971-27344	01-26-11B	05/10/11	500
J.T.Baker		Purge & Trap MeOH		H46E44-00490	01/17/11	09/14/11	3000
01-26-11E							
250ug/ml 8260 Surrogate - Sweetpea			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120002-01	Surrogate Standards	2000	153000-26812	01-26-11C	05/10/11	500
J.T.Baker		Purge & Trap MeOH		H46E44-00490	01/17/11	09/14/11	3500

1-26-11 RS

01/26/11F							
1ug/ml Gasoline						APPL	
			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
Supelco	LB61226	Gasoline	2000	LB61226-26124	10-29-10A	09/02/11	400
J&T Brand		Purge & Trap MeOH		H46844-00490	01/17/11	03/02/12	3600

01/26/11G							
1ug/ml Unleaded Gasoline						APPL	
			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
Supelco	30205	Unleaded Gasoline	50,000	A050005-21116	10-29-10B	11/30/12	160
J&T Brand		Purge & Trap MeOH		H46844-00490	01/17/11	03/02/12	3840

1-26-11 RS

Gasoline Curve Preparation for 100mL Purge (water)-Sweetpea			
	Expiration Date:		01/27/11
		1ug/mL Gasoline	Final Vol
Date	Conc.	01-26-11F	w/P&T H2O
Code	ug/L	Exp.11-05-10	mL
01-26-11H	20	1	100
01-26-11I	50	2.5	100
01-26-11J	100	5	100
01-26-11K	300	15	100
01-26-11L	600	30	100
01-26-11M	800	40	100
01-26-11N	1000	50	100

1/26/11 RS

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Sweetpea												
	Expiration Date:		01/27/11									
Date	Conc.	5ug/mL Vol Std #9 01-24-11AD	5ug/mL Surr 01-24-11AH	50ug/mL Vol Std #7 01-24-11Z	50ug/mL Vol Std #8 01-24-11AB	50ug/mL Surr 01-24-11AG	5ug/mL Vol Std #10 01-24-11AE	50ug/mL Vol Std #1 01-24-11AA	50ug/mL Vol Std #2 01-24-11AC	5ug/mL Vol Std #12 01-24-11AF	250ug/mL TAPD 01-24-11AI	Final Vol w/P&T H2O
Code	ug/L	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	mL
01-26-11O	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3	3	50
01-26-11P	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5	5	50
01-26-11Q	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10	10	50
01-26-11R	5	n/a	n/a	5	5	10	n/a	5	5	n/a	20	50
01-26-11S	10	n/a	n/a	10	10	25	n/a	10	10	n/a	25	50
01-26-11T	20	n/a	n/a	20	20	40	n/a	10	10	n/a	30	50
01-26-11U	40	n/a	n/a	40	40	40	n/a	20	20	n/a	35	50
01-26-11V	100	n/a	n/a	100	100	80	n/a	40	40	n/a	40	50
01-26-11W	200	n/a	n/a	200	200	n/a	n/a	100	100	n/a	45	50

1,2,3-Trichloropropane-d5 Solution, 2,000 mg/L, 1 ml
o2si
Cat. No: 020596-01
Lot No: 151727
Exp: 10/17/2012
Storage: <=-10 Degrees C
Solvent: P/T Methanol
For Research Use Only
Opened: ____
1,2,3-Trichloropropane-d5
Lot #: 151727 - 28110
Rec: 1/7/11 MFR exp. 10/17/12

1-26-11X

1-26-11 RS

Max 524 TCP ONLY							
01-26-11Y							
1.25ug/ml 1,2,3-Trichloropropane-D5			Conc.		Date	Exp.	
			ug/ml	Lot #	Code	Date	uL
O2SI	020596-01	1,2,3-Trichloropropane-d5	2000	151727-28110	01-26-11X	10/17/12	2.5
J.T Baker		Purge & Trap MeOH		H46844-00491	01/25/11	06/14/12	3997.5

Z-
1,2,3-Trichloropropane Solution, 2,000 mg/L, 1 ml
020189.03
Lot# 167410 Storage <-10 Degrees C Expiry 12/26/12
Solv: P/T Methanol
1,2,3-Trichloropropane
Lot #: 167410 - 28111
Rec: 1/7/11 MFR exp. 12/26/12

AA-
PPS-250-1
ULTRA
1 mL
Lot: CG-1577
Exp: 05/31/2014
1,2,3-Trichloropropane Solution
1 analyte(s) at 1000 µg/mL in methanol
For Lab Use Only
1,2,3-Trichloropropane
Lot #: CG-1577 - 28095
Rec: 1/8/11 MFR exp. 05/30/14

RS

1-26-11 RS

* Max 524 TCP curve on pg. #67. RS

Injection Log

Directory: M:\SWEETPEA\DATA\S110124\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected	
1	1	0124S00T.D	1	20uL/mL BFB Std 12-27-10B	2uL	24 Jan 11	10:18
2	5	0124S05W.D	1	Vol Std 01-24-11@0.5ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	13:17
3	6	0124S06W.D	1	Vol Std 01-24-11@1.0ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	13:54
4	7	0124S07W.D	1	Vol Std 01-24-11@5.0ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	14:30
5	8	0124S08W.D	1	Vol Std 01-24-11@10ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	15:06
6	9	0124S09W.D	1	Vol Std 01-24-11@20ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	15:42
7	10	0124S10W.D	1	Vol Std 01-24-11@40ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	16:18
8	11	0124S11W.D	1	Vol Std 01-24-11@100ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	16:54
9	12	0124S12W.D	1	Vol Std 01-24-11@200ug/L	Water 5mL w/IS: 01-17-11	24 Jan 11	17:30
10	14	0124S14W.D	1	20uL/mL BFB Std 12-27-10B	2uL	24 Jan 11	20:30
11	17	0124S17W.D	1	110124A LCS-1SW (SS)	Water 5mL w/IS&S: 01-17-11	24 Jan 11	22:18
12	20	0124S20W.D	1	110124A BLK-1SW	Water 5mL w/IS&S: 01-17-11	25 Jan 11	00:06
13	21	0124S21W.D	1	AY30414W01	Water 5mL w/IS&S: 01-17-11	25 Jan 11	00:42
14	24	0124S24W.D	1	AY30410W01	Water 5mL w/IS&S: 01-17-11	25 Jan 11	2:30
15	25	0124S25W.D	1	AY30411W01	Water 5mL w/IS&S: 01-17-11	25 Jan 11	3:06
16	26	0124S26W.D	1	AY30412W01	Water 5mL w/IS&S: 01-17-11	25 Jan 11	3:42
17	27	0124S27W.D	1	AY30413W01	Water 5mL w/IS&S: 01-17-11	25 Jan 11	4:18
18	31	0124S31W.D	1	AY30411W234 MS-1WS	Water 5mL w/IS&S: 01-17-11	25 Jan 11	6:42
19	32	0124S32W.D	1	AY30411W234 MSD-1WS	Water 5mL w/IS&S: 01-17-11	25 Jan 11	7:18

Injection Log

Directory: M:\SWEETPEA\DATA\S110126\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0126S00T.D	1	20uL/mL BFB Std 12-27-10B	2uL	26 Jan 11 10:28
2	3	0126S03W.D	1	VOC MIX MAKER	Water 10mL w/IS: 01-17-11	26 Jan 11 12:16
3	4	0126S04W.D	1	Vol Std 01-26-11@20ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 12:52
4	5	0126S05W.D	1	Vol Std 01-26-11@50ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 13:28
5	6	0126S06W.D	1	Vol Std 01-26-11@100ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 14:05
6	7	0126S07W.D	1	Vol Std 01-26-11@300ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 14:41
7	8	0126S08W.D	1	Vol Std 01-26-11@600ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 15:17
8	9	0126S09W.D	1	Vol Std 01-26-11@800ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 15:53
9	10	0126S10W.D	1	Vol Std 01-26-11@1000ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 16:29
10	11	0126S11W.D	1	GAS 600ug/L (SS)	Water 10mL w/IS&S: 01-17-11	26 Jan 11 17:05
11	14	0126S14W.D	1	110126A BLK-1WS	Water 10mL w/IS&S: 01-17-11	26 Jan 11 18:53
12	15	0126S15W.D	1	AY30414W02	Water 10mL w/IS&S: 01-17-11	26 Jan 11 19:29
13	16	0126S16W.D	1	AY30412W02	Water 10mL w/IS&S: 01-17-11	26 Jan 11 20:05
14	17	0126S17W.D	1	AY30413W02	Water 10mL w/IS&S: 01-17-11	26 Jan 11 20:41
15	18	0126S18W.D	1	AY30410W02	Water 10mL w/IS&S: 01-17-11	26 Jan 11 21:18
16	19	0126S19W.D	1	AY30411W05	Water 10mL w/IS&S: 01-17-11	26 Jan 11 21:54
17	34	0126S34W.D	1	20uL/mL BFB Std 12-27-10B	2uL	27 Jan 11 8:39
18	35	0126S35W.D	1	GAS 600ug/L STD LCS-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 9:15
19	52	0126S52W.D	1	AY30411W678 MS-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 19:27

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	01/26/11	01/26/11	#602D-110126A-AY30411

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)	250	225	90.0	80-120	1/26/2011	1/26/2011	#602D-110126A-AY30411

Comments:

Printed: 1/28/2011 4:32:18 PM
APPL Standard LCS

Matrix Spike Recoveries

METALS

APPL ID: **110126W-30411 MS - 151539**

Sample ID: AY30411

Client ID: ES011

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	250	ND	221	222	88.4	88.8	0.5	20	80-120	1/26/2011	1/26/2011	1/26/2011	1/26/2011	151539	AY30411

Comments: ______________________________

Printed: 1/28/2011 4:32:14 PM
APPL MSD SCII

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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: ES010

APPL ID: AY30410

Sample Collection Date: 1/18/2011

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/26/2011	1/26/2011

Printed: 1/28/2011 4:32:26 PM

APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\077SMPL.D\077SMPL.D#
Date Acquired:	Jan 26 2011 04:11 pm
Operator:	SDM
Sample Name:	AY30410W09
Misc Info:	110126A-3015
Vial Number:	3407
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.18	ug/l	-0.20	1.70	1000	
11	B	59.12	ug/l	65.68	0.63	1000	
23	Na	49930.00	ug/l	55472.23	0.81	25000	>Cal
24	Mg	22460.00	ug/l	24953.06	0.28	50000	
27	Al	17.58	ug/l	19.53	2.73	20000	
39	K	2566.00	ug/l	2850.83	0.29	20000	
44	Ca	13550.00	ug/l	15054.05	1.17	50000	
47	Ti	2.51	ug/l	2.79	3.88	1000	
51	V	0.40	ug/l	0.45	6.18	1000	
52	Cr	0.30	ug/l	0.33	6.48	1000	
55	Mn	1823.00	ug/l	2025.35	0.36	1000	>Cal
56	Fe	2190.00	ug/l	2433.09	0.87	20000	
59	Co	0.13	ug/l	0.14	6.79	1000	
60	Ni	0.32	ug/l	0.36	5.32	1000	
63	Cu	-0.25	ug/l	-0.28	12.54	1000	
65	Cu	-0.26	ug/l	-0.29	17.62	1000	
66	Zn	5.03	ug/l	5.59	0.85	1000	
75	As	0.48	ug/l	0.53	6.38	1000	
78	Se	0.25	ug/l	0.28	6.78	1000	
78	Se	0.64	ug/l	0.71	16.68	1000	
88	Sr	126.40	ug/l	140.43	0.18	1000	
88	Sr	117.00	ug/l	129.99	0.76	1000	
95	Mo	0.76	ug/l	0.84	4.32	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	0.00	ug/l	0.00	88.51	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	0.01	ug/l	0.01	332.09	1000	
118	Sn	1.59	ug/l	1.77	4.60	1000	
121	Sb	2.24	ug/l	2.49	4.92	1000	
137	Ba	24.27	ug/l	26.96	0.90	1000	
205	Tl	0.01	ug/l	0.01	158.14	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	-0.17	ug/l	-0.19	2.77	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	3039324.30	1.25	5418296.00	56.1	70 -	120	IS Fai
45	Sc	2686916.80	0.40	3348937.80	80.2	70 -	120	
45	Sc	85141.85	1.03	98302.68	86.6	70 -	120	
45	Sc	4174942.50	0.45	4430331.00	94.2	70 -	120	
72	Ge	425622.63	0.17	674953.19	63.1	70 -	120	IS Fai
72	Ge	37935.13	1.46	46572.09	81.5	70 -	120	
72	Ge	566268.38	0.24	720169.00	78.6	70 -	120	
115	In	3145526.00	0.49	3815386.50	82.4	70 -	120	
159	Tb	3182949.50	0.73	3825153.30	83.2	70 -	120	
165	Ho	3074976.80	0.57	3722287.30	82.6	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

2 :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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES011
Sample Collection Date: 1/18/2011

ARF: 63694
APPL ID: AY30411

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/26/2011	1/26/2011

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26100.B\078SMPL.D\078SMPL.D#
Date Acquired:	Jan 26 2011 04:17 pm
Operator:	SDM
Sample Name:	AY30411W22
Misc Info:	110126A-3015
Vial Number:	3408
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.17	ug/l	-0.19	2.97	1000	
11	B	59.43	ug/l	66.03	0.86	1000	
23	Na	48700.00	ug/l	54105.70	2.46	25000	>Cal
24	Mg	21950.00	ug/l	24386.45	2.43	50000	
27	Al	16.12	ug/l	17.91	4.91	20000	
39	K	2518.00	ug/l	2797.50	2.11	20000	
44	Ca	13390.00	ug/l	14876.29	1.41	50000	
47	Ti	1.66	ug/l	1.84	16.25	1000	
51	V	0.38	ug/l	0.42	3.21	1000	
52	Cr	0.31	ug/l	0.34	5.98	1000	
55	Mn	1761.00	ug/l	1956.47	2.71	1000	>Cal
56	Fe	2222.00	ug/l	2468.64	2.66	20000	
59	Co	0.09	ug/l	0.10	13.17	1000	
60	Ni	0.50	ug/l	0.56	6.77	1000	
63	Cu	-0.03	ug/l	-0.04	119.05	1000	
65	Cu	-0.05	ug/l	-0.05	83.20	1000	
66	Zn	10.52	ug/l	11.69	1.15	1000	
75	As	0.18	ug/l	0.20	13.61	1000	
78	Se	0.05	ug/l	0.05	24.95	1000	
78	Se	0.24	ug/l	0.27	26.76	1000	
88	Sr	124.10	ug/l	137.88	2.29	1000	
88	Sr	117.10	ug/l	130.10	1.08	1000	
95	Mo	0.46	ug/l	0.51	5.50	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	0.01	ug/l	0.02	62.23	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	0.00	ug/l	0.00	1019.80	1000	
118	Sn	0.70	ug/l	0.78	2.08	1000	
121	Sb	0.79	ug/l	0.88	2.03	1000	
137	Ba	25.27	ug/l	28.07	0.62	1000	
205	Tl	0.02	ug/l	0.02	110.71	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	-0.18	ug/l	-0.20	9.37	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	3009091.80	0.93	5418296.00	55.5	70 -	120	IS Fai
45	Sc	2662513.00	0.68	3348937.80	79.5	70 -	120	
45	Sc	86349.16	2.96	98302.68	87.8	70 -	120	
45	Sc	4138454.50	1.09	4430331.00	93.4	70 -	120	
72	Ge	420863.66	0.38	674953.19	62.4	70 -	120	IS Fai
72	Ge	37843.81	2.79	46572.09	81.3	70 -	120	
72	Ge	562613.19	0.75	720169.00	78.1	70 -	120	
115	In	3131801.00	0.45	3815386.50	82.1	70 -	120	
159	Tb	3138673.50	1.10	3825153.30	82.1	70 -	120	
165	Ho	3032638.80	1.16	3722287.30	81.5	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

2 :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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: ES012

APPL ID: AY30412

Sample Collection Date: 1/19/2011

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/26/2011	1/26/2011

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APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\082SMPL.D\082SMPL.D#
Date Acquired:	Jan 26 2011 04:41 pm
Operator:	SDM
Sample Name:	AY30412W09
Misc Info:	110126A-3015
Vial Number:	3501
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.18	ug/l	-0.20	0.97	1000	
11 B	105.20	ug/l	116.88	0.71	1000	
23 Na	72570.00	ug/l	80625.27	0.26	25000	>Cal
24 Mg	25880.00	ug/l	28752.68	0.58	50000	
27 Al	13.07	ug/l	14.52	3.66	20000	
39 K	3521.00	ug/l	3911.83	3.85	20000	
44 Ca	22990.00	ug/l	25541.89	0.72	50000	
47 Ti	0.60	ug/l	0.67	26.57	1000	
51 V	15.46	ug/l	17.18	0.20	1000	
52 Cr	0.85	ug/l	0.94	3.89	1000	
55 Mn	128.90	ug/l	143.21	0.94	1000	
56 Fe	125.80	ug/l	139.76	0.19	20000	
59 Co	0.88	ug/l	0.97	2.71	1000	
60 Ni	2.25	ug/l	2.50	0.65	1000	
63 Cu	-0.12	ug/l	-0.13	24.96	1000	
65 Cu	-0.15	ug/l	-0.17	21.27	1000	
66 Zn	1.87	ug/l	2.07	5.03	1000	
75 As	0.62	ug/l	0.69	8.15	1000	
78 Se	0.35	ug/l	0.39	4.55	1000	
78 Se	0.73	ug/l	0.81	17.10	1000	
88 Sr	165.40	ug/l	183.76	1.11	1000	
88 Sr	153.30	ug/l	170.32	0.36	1000	
95 Mo	7.71	ug/l	8.57	1.09	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	0.14	ug/l	0.15	0.39	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	-0.01	ug/l	-0.01	177.33	1000	
118 Sn	2.06	ug/l	2.29	3.50	1000	
121 Sb	2.59	ug/l	2.87	6.60	1000	
137 Ba	13.13	ug/l	14.59	1.16	1000	
205 Tl	0.01	ug/l	0.01	57.45	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	-0.21	ug/l	-0.23	1.63	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	2948065.80	0.11	5418296.00	54.4	70 -	120	IS Fai
45 Sc	2582593.50	0.50	3348937.80	77.1	70 -	120	
45 Sc	82141.66	0.85	98302.68	83.6	70 -	120	
45 Sc	4007339.50	0.52	4430331.00	90.5	70 -	120	
72 Ge	412930.22	0.39	674953.19	61.2	70 -	120	IS Fai
72 Ge	36383.05	1.39	46572.09	78.1	70 -	120	
72 Ge	550057.81	0.44	720169.00	76.4	70 -	120	
115 In	3098189.00	1.07	3815386.50	81.2	70 -	120	
159 Tb	3156487.00	0.57	3825153.30	82.5	70 -	120	
165 Ho	3051924.50	0.40	3722287.30	82.0	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63694

Sample ID: ES013

APPL ID: AY30413

Sample Collection Date: 1/19/2011

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/26/2011	1/26/2011

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APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\11A26i00.B\083SMPL.D\083SMPL.D#
Date Acquired: Jan 26 2011 04:47 pm
Operator: SDM
Sample Name: AY30413W09
Misc Info: 110126A-3015
Vial Number: 3502
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:27 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	-0.18	ug/l	-0.20	3.07	1000	
11	B	92.20	ug/l	102.43	0.96	1000	
23	Na	31560.00	ug/l	35063.16	0.41	25000	>Cal
24	Mg	10130.00	ug/l	11254.43	1.09	50000	
27	Al	23.56	ug/l	26.18	5.94	20000	
39	K	1908.00	ug/l	2119.79	0.30	20000	
44	Ca	9011.00	ug/l	10011.22	0.26	50000	
47	Ti	0.90	ug/l	1.00	23.79	1000	
51	V	17.09	ug/l	18.99	1.22	1000	
52	Cr	2.55	ug/l	2.83	1.46	1000	
55	Mn	0.48	ug/l	0.54	2.04	1000	
56	Fe	11.26	ug/l	12.51	0.86	20000	
59	Co	-0.11	ug/l	-0.12	6.20	1000	
60	Ni	0.57	ug/l	0.64	3.74	1000	
63	Cu	-0.24	ug/l	-0.27	7.59	1000	
65	Cu	-0.25	ug/l	-0.28	9.85	1000	
66	Zn	5.92	ug/l	6.57	0.67	1000	
75	As	0.28	ug/l	0.31	4.93	1000	
78	Se	0.13	ug/l	0.14	1.84	1000	
78	Se	0.40	ug/l	0.45	9.24	1000	
88	Sr	82.26	ug/l	91.39	0.64	1000	
88	Sr	77.37	ug/l	85.96	0.35	1000	
95	Mo	1.29	ug/l	1.43	2.49	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	0.02	ug/l	0.03	14.20	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	-0.01	ug/l	-0.01	148.80	1000	
118	Sn	2.62	ug/l	2.91	2.60	1000	
121	Sb	0.86	ug/l	0.96	2.79	1000	
137	Ba	4.65	ug/l	5.17	1.25	1000	
205	Tl	-0.01	ug/l	-0.01	57.38	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	-0.15	ug/l	-0.16	1.13	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	2943911.00	0.35	5418296.00	54.3	70 -	120	IS Fai
45	Sc	2407487.50	0.25	3348937.80	71.9	70 -	120	
45	Sc	81947.67	1.08	98302.68	83.4	70 -	120	
45	Sc	3766967.80	0.71	4430331.00	85.0	70 -	120	
72	Ge	414553.47	0.28	674953.19	61.4	70 -	120	IS Fai
72	Ge	37046.96	0.81	46572.09	79.5	70 -	120	
72	Ge	554923.38	0.26	720169.00	77.1	70 -	120	
115	In	3174056.80	0.35	3815386.50	83.2	70 -	120	
159	Tb	3181004.30	0.50	3825153.30	83.2	70 -	120	
165	Ho	3092724.30	0.90	3722287.30	83.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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
Calibration Data

APPL, INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No: 63694 SDG: 63694

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 1/26/2011 Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found 9:29	%R(1)	True CCV1	Found 9:53	%R(1)	True CCV1	Found 10:34	%R(1)	
Lead (Pb)	100	100.7	101	50	49.88	99.8	50	52.51	105	P

(1) Control Limits: Metals 90-110

ILM02.0

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No: 63694 SDG: 63694

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 1/26/2011 Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found 9:29	%R(1)	True CCV1	Found 15:41	%R(1)	True CCV1	Found 17:22	%R(1)	
Lead (Pb)	100	100.7	101	50	46.91	93.8	50	49.05	98.1	P

(1) Control Limits: Metals 90-110 ILM02.0

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.
ARF No: 63694 SDG: 63694
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 1/26/2011 Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found 9:29	%R(1)	True CCV1	Found 18:40	%R(1)	True	Found	%R(1)	
Lead (Pb)	100	100.7	101	50	48.77	97.5				P

(1) Control Limits: Metals 90-110 ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 63694 SDG: 63694

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analysis Date: 1/26/2011

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
	09:41		10:05		10:40		15:47		15:59		
Lead (Pb)	.50	U	.50	U	.50	U	.50	U	.50	U	P

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 63694 SDG: 63694

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analysis Date: 1/26/2011

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
	09:41		17:28		18:46				15:59		
Lead (Pb)	.50	U	.50	U	.50	U			.50	U	P

A.P.P.L. INC.

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name:	A.P.P.L. INC.	Contract:	Environet, Inc.
ARF No.:	63694	SDG:	63694
ICP ID Number:	Optimus	ICS Source:	Environmental Express

Analysis Date: 1/26/2011 Concentration Units: ug/L

Analyte	True		Initial Found		
	Sol A	Sol AB	Sol A 10:11	Sol AB 10:17	%R(1)
Lead (Pb)		500	2.583	450.3	90.1

(1) Control Limits: Metals 80-120

A.P.P.L. INC.

5B

POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMPLE NO.

ES011

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 63694 SDG: 63694

Analysis Date: 1/26/2011 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	239.538		-0.199023		277.500	86.3		

Comments:

1/26/2011 16:17 AY30411W22

1/26/2011 16:35 AY30411W22-A

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\081SMPL.D\081SMPL.D#
Date Acquired:	Jan 26 2011 04:35 pm
Operator:	SDM
Sample Name:	AY30411W22-A
Misc Info:	110126A-3015
Vial Number:	3411
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	24.50 ug/l	27.22	1.02	1000	
11 B	190.60 ug/l	211.76	1.06	1000	
23 Na	67890.00 ug/l	75425.79	0.25	25000	>Cal
24 Mg	41830.00 ug/l	46473.13	0.06	50000	
27 Al	1934.00 ug/l	2148.67	1.03	20000	
39 K	7638.00 ug/l	8485.82	1.33	20000	
44 Ca	36540.00 ug/l	40595.94	0.81	50000	
47 Ti	235.10 ug/l	261.20	0.20	1000	
51 V	207.90 ug/l	230.98	0.35	1000	
52 Cr	198.20 ug/l	220.20	0.09	1000	
55 Mn	1961.00 ug/l	2178.67	0.15	1000	>Cal
56 Fe	3002.00 ug/l	3335.22	0.46	20000	
59 Co	196.40 ug/l	218.20	0.25	1000	
60 Ni	175.00 ug/l	194.43	0.17	1000	
63 Cu	188.10 ug/l	208.98	0.33	1000	
65 Cu	188.20 ug/l	209.09	0.10	1000	
66 Zn	342.00 ug/l	379.96	0.28	1000	
75 As	196.80 ug/l	218.64	0.59	1000	
78 Se	176.60 ug/l	196.20	0.50	1000	
78 Se	198.70 ug/l	220.76	0.75	1000	
88 Sr	394.00 ug/l	437.73	0.44	1000	
88 Sr	363.30 ug/l	403.63	0.57	1000	
95 Mo	276.80 ug/l	307.52	0.98	1000	
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	58.31 ug/l	64.78	1.02	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	39.18 ug/l	43.53	0.97	1000	
118 Sn	240.10 ug/l	266.75	0.50	1000	
121 Sb	226.70 ug/l	251.86	0.60	1000	
137 Ba	282.50 ug/l	313.86	0.76	1000	
205 Tl	213.40 ug/l	237.09	1.35	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	215.80 ug/l	239.75	1.38	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	2866366.00	0.98	5418296.00	52.9	70 - 120	IS Fai
45 Sc	2596544.50	0.74	3348937.80	77.5	70 - 120	
45 Sc	81790.04	0.62	98302.68	83.2	70 - 120	
45 Sc	4031173.50	0.69	4430331.00	91.0	70 - 120	
72 Ge	405385.69	0.04	674953.19	60.1	70 - 120	IS Fai
72 Ge	35980.56	0.64	46572.09	77.3	70 - 120	
72 Ge	537495.69	0.93	720169.00	74.6	70 - 120	
115 In	3055375.80	0.77	3815386.50	80.1	70 - 120	
159 Tb	3096641.50	1.04	3825153.30	81.0	70 - 120	
165 Ho	2999915.80	1.27	3722287.30	80.6	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
2 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes:	Fail
ISTD:	Fail

A.P.P.L. INC.
9
ICP SERIAL DILUTION

CLIENT SAMPLE NO.
ES011

Lab Name: A.P.P.L. INC.
Contract: Environet, Inc.
ARF No.: 63694
SDG: 63694
Matrix: water

Analysis Date: 1/26/2011
Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Lead (Pb)	-0.199023		0.2618204		NA		

Comments:
1/26/2011 16:17 AY30411W22
1/26/2011 17:34 AY30411W22-1/5

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26r00.B\004SMPL.D\004SMPL.D#
Date Acquired:	Jan 26 2011 05:34 pm
Operator:	SDM
Sample Name:	AY30411W22-1/5
Misc Info:	110126A-3015
Vial Number:	3412
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 05:20 pm
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	-0.03	61.69	1000	
11	B	12.71	ug/l	70.62	1.07	1000	
23	Na	10160.00	ug/l	56448.96	0.67	25000	
24	Mg	4608.00	ug/l	25602.05	0.91	50000	
27	Al	5.51	ug/l	30.59	7.30	20000	
39	K	515.50	ug/l	2864.12	0.27	20000	
44	Ca	2713.00	ug/l	15073.43	1.53	50000	
47	Ti	0.46	ug/l	2.54	35.23	1000	
51	V	0.40	ug/l	2.25	6.20	1000	
52	Cr	0.09	ug/l	0.52	9.12	1000	
55	Mn	346.30	ug/l	1924.04	0.05	1000	
56	Fe	484.80	ug/l	2693.55	0.65	20000	
59	Co	0.06	ug/l	0.33	9.01	1000	
60	Ni	0.14	ug/l	0.80	5.81	1000	
63	Cu	0.22	ug/l	1.19	4.23	1000	
65	Cu	0.21	ug/l	1.14	4.73	1000	
66	Zn	4.58	ug/l	25.45	0.64	1000	
75	As	0.13	ug/l	0.74	18.79	1000	
78	Se	0.02	ug/l	0.10	51.41	1000	
78	Se	0.03	ug/l	0.17	726.61	1000	
88	Sr	24.04	ug/l	133.57	1.62	1000	
88	Sr	21.55	ug/l	119.73	0.03	1000	
95	Mo	0.18	ug/l	0.99	14.73	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	-0.19	ug/l	-1.06	4.92	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	0.00	ug/l	0.01	692.26	1000	
118	Sn	0.48	ug/l	2.64	9.11	1000	
121	Sb	0.60	ug/l	3.33	6.63	1000	
137	Ba	5.00	ug/l	27.80	0.30	1000	
205	Tl	0.02	ug/l	0.11	15.79	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	0.05	ug/l	0.26	10.51	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	3119448.30	0.56	3059093.30	102.0	70 -	120	
45	Sc	2306253.00	0.74	2256319.50	102.2	70 -	120	
45	Sc	82236.30	0.63	86579.71	95.0	70 -	120	
45	Sc	3547565.30	1.34	3425529.80	103.6	70 -	120	
72	Ge	442227.47	0.30	448203.66	98.7	70 -	120	
72	Ge	38574.60	0.44	41092.22	93.9	70 -	120	
72	Ge	588776.19	0.57	586264.06	100.4	70 -	120	
115	In	3179681.30	1.07	3205732.00	99.2	70 -	120	
159	Tb	3107632.50	0.97	3039807.80	102.2	70 -	120	
165	Ho	2998975.00	1.07	2909201.80	103.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26r00.B\001CALB.D\001CALB.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

Calibration Blank QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\004CAL
Date Acquired:	Jan 26 2011 08:59 am
Operator:	SDM
Sample Name:	Calibration Blank
Misc Info:	
Vial Number:	1101
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 08:57 am
Sample Type:	CalBlk
Total Dil Factor:	1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)
6	Li	5418296.00	A	42760.00	0.79
7	(Li)	905569.81	A	11800.00	1.30
9	Be	4167.38	P	196.80	4.72
11	B	24158.93	P	500.50	2.07
23	Na	43926.51	P	321.70	0.73
24	Mg	1302.33	P	30.06	2.31
27	Al	314.46	P	58.91	18.73
39	K	12485.63	P	427.50	3.42
44	Ca	187.40	P	8.33	4.45
45	Sc	3348938.00	A	43410.00	1.30
45	Sc	98302.68	P	1361.00	1.38
45	Sc	4430331.00	A	59340.00	1.34
47	Ti	7.11	P	2.04	28.65
51	V	480.02	P	41.33	8.61
52	Cr	487.13	P	42.05	8.63
55	Mn	593.80	P	29.38	4.95
56	Fe	5814.59	P	33.32	0.57
59	Co	1709.01	P	19.06	1.12
60	Ni	299.12	P	9.83	3.29
63	Cu	6002.65	P	35.29	0.59
65	Cu	2926.11	P	66.96	2.29
66	Zn	1208.96	P	60.88	5.04
72	Ge	674953.19	P	7219.00	1.07
72	Ge	46572.09	P	427.50	0.92
72	Ge	720169.00	P	6809.00	0.95
75	As	45.33	P	1.67	3.68
78	Se	108.33	P	5.57	5.14
78	Se	5.78	P	3.10	53.60
88	Sr	100.00	P	6.67	6.67
88	Sr	3074.89	P	124.10	4.04
95	Mo	1256.77	P	55.08	4.38
106	(Cd)	94.45	P	18.36	19.44
107	Ag	1096.75	P	12.02	1.10
108	(Cd)	76.67	P	6.67	8.70
111	Cd	423.89	P	42.34	9.99
115	In	3815386.00	A	16340.00	0.43
118	Sn	2489.23	P	131.90	5.30
121	Sb	1636.82	P	5.78	0.35
137	Ba	587.81	P	50.15	8.53
159	Tb	3825153.00	A	30410.00	0.80
165	Ho	3722287.00	A	54410.00	1.46
205	Tl	2196.94	P	66.92	3.05
206	(Pb)	2854.86	P	90.54	3.17
207	(Pb)	2584.79	P	35.66	1.38
208	Pb	11491.29	P	429.20	3.74

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\11A26100.B\005CALS.D\005CALS.D#
Date Acquired: Jan 26 2011 09:05 am
Operator: SDM
Sample Name: 110124 Standard 1
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:03 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)	Cal Coef
6	Li	5494261.00	A	70840.00	1.29	0.0000
7	(Li)	917045.19	A	5066.00	0.55	0.0000
9	Be	4720.89	P	217.20	4.60	0.0000
11	B	25038.47	P	672.20	2.68	0.0000
23	Na	42375.45	P	45.14	0.11	0.0000
24	Mg	4609.76	P	35.65	0.77	0.0000
27	Al	693.37	P	49.78	7.18	0.0000
39	K	14000.40	P	154.70	1.11	0.0000
44	Ca	462.58	P	12.01	2.60	0.0000
45	Sc	3410215.00	A	11950.00	0.35	0.0000
45	Sc	98943.22	P	6157.00	6.22	0.0000
45	Sc	4394164.00	A	86100.00	1.96	0.0000
47	Ti	16.44	P	3.08	18.72	0.0000
51	V	996.05	P	20.18	2.03	0.0000
52	Cr	1041.83	P	75.43	7.24	0.0000
55	Mn	543.13	P	28.76	5.30	0.0000
56	Fe	14894.05	P	275.00	1.85	0.0000
59	Co	1926.82	P	57.76	3.00	0.0000
60	Ni	1369.86	P	25.38	1.85	0.0000
63	Cu	2264.21	P	39.29	1.74	0.0000
65	Cu	1076.50	P	66.68	6.19	0.0000
66	Zn	2971.46	P	87.89	2.96	0.0000
72	Ge	678318.81	P	5047.00	0.74	0.0000
72	Ge	46820.96	P	2185.00	4.67	0.0000
72	Ge	704621.38	P	5540.00	0.79	0.0000
75	As	85.00	P	5.51	6.48	0.0000
78	Se	211.89	P	9.31	4.39	0.0000
78	Se	8.33	P	2.08	24.98	0.0000
88	Sr	274.46	P	32.38	11.80	0.0000
88	Sr	8262.68	P	150.50	1.82	0.0000
95	Mo	1886.87	P	45.83	2.43	0.0000
106	(Cd)	160.01	P	17.32	10.83	0.0000
107	Ag	2154.69	P	67.53	3.13	0.0000
108	(Cd)	160.01	P	35.12	21.95	0.0000
111	Cd	832.30	P	70.91	8.52	0.0000
115	In	3761762.00	A	53940.00	1.43	0.0000
118	Sn	4906.42	P	180.70	3.68	0.0000
121	Sb	3660.61	P	114.70	3.13	0.0000
137	Ba	1322.34	P	41.95	3.17	0.0000
159	Tb	3820133.00	A	35600.00	0.93	0.0000
165	Ho	3696558.00	A	19990.00	0.54	0.0000
205	Tl	4344.20	P	76.69	1.77	0.0000
206	(Pb)	2941.54	P	92.66	3.15	0.0000
207	(Pb)	2484.77	P	118.40	4.77	0.0000
208	Pb	11535.73	P	170.30	1.48	0.0000

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5494261.00	1.29	5418296.00	101.4	70 -	120	
45	Sc	3410215.50	0.35	3348937.80	101.8	70 -	120	
45	Sc	98943.22	6.22	98302.68	100.7	70 -	120	
45	Sc	4394164.50	1.96	4430331.00	99.2	70 -	120	
72	Ge	678318.81	0.74	674953.19	100.5	70 -	120	
72	Ge	46820.96	4.67	46572.09	100.5	70 -	120	
72	Ge	704621.38	0.79	720169.00	97.8	70 -	120	
115	In	3761761.50	1.43	3815386.50	98.6	70 -	120	
159	Tb	3820133.50	0.93	3825153.30	99.9	70 -	120	
165	Ho	3696558.30	0.54	3722287.30	99.3	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.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\11A26100.B\006CALS.D\006CALS.D#
Date Acquired:	Jan 26 2011 09:11 am
Operator:	SDM
Sample Name:	110124 Standard 2
Misc Info:	
Vial Number:	1104
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:09 am
Sample Type:	CalStd
Total Dil Factor:	1.00

QC&ISTD Elements

Element	CPS Mean		SD	RSD(%)	Cal Coef
6 Li	5494850.00	A	54990.00	1.00	0.0000
7 (Li)	916141.31	A	10060.00	1.10	1.0000
9 Be	19488.66	P	319.50	1.64	1.0000
11 B	38801.29	P	1200.00	3.09	1.0000
23 Na	60354.86	P	214.00	0.35	-1.0000
24 Mg	25298.72	P	539.90	2.13	1.0000
27 Al	3253.81	P	134.30	4.13	1.0000
39 K	18680.17	P	160.20	0.86	1.0000
44 Ca	878.68	P	85.32	9.71	1.0000
45 Sc	3403160.00	A	37180.00	1.09	0.0000
45 Sc	97699.40	P	1036.00	1.06	0.0000
45 Sc	4388999.00	A	12960.00	0.30	0.0000
47 Ti	99.11	P	10.78	10.88	1.0000
51 V	3816.10	P	31.35	0.82	1.0000
52 Cr	4699.48	P	24.70	0.53	1.0000
55 Mn	2113.96	P	49.47	2.34	-1.0000
56 Fe	72066.48	P	623.00	0.86	1.0000
59 Co	8138.81	P	64.84	0.80	1.0000
60 Ni	3221.73	P	51.36	1.59	1.0000
63 Cu	7206.32	P	173.70	2.41	-1.0000
65 Cu	3500.91	P	82.22	2.35	-1.0000
66 Zn	2602.49	P	85.44	3.28	1.0000
72 Ge	681036.00	P	2070.00	0.30	0.0000
72 Ge	46497.04	P	255.30	0.55	0.0000
72 Ge	706822.50	P	1679.00	0.24	0.0000
75 As	375.45	P	16.00	4.26	1.0000
78 Se	1001.59	P	17.27	1.72	1.0000
78 Se	26.56	P	1.35	5.07	1.0000
88 Sr	1351.23	P	91.80	6.79	1.0000
88 Sr	43655.28	P	785.90	1.80	1.0000
95 Mo	7567.82	P	217.40	2.87	1.0000
106 (Cd)	465.58	P	37.47	8.05	1.0000
107 Ag	9850.45	P	277.10	2.81	1.0000
108 (Cd)	396.69	P	63.51	16.01	1.0000
111 Cd	4126.63	P	124.60	3.02	1.0000
115 In	3744746.00	A	45130.00	1.21	0.0000
118 Sn	12858.57	P	381.00	2.96	1.0000
121 Sb	13037.59	P	248.80	1.91	1.0000
137 Ba	4889.93	P	136.90	2.80	1.0000
159 Tb	3759325.00	A	56420.00	1.50	0.0000
165 Ho	3652084.00	A	27410.00	0.75	0.0000
205 Tl	20977.19	P	470.10	2.24	1.0000
206 (Pb)	8505.25	P	178.10	2.09	1.0000
207 (Pb)	7485.71	P	23.37	0.31	-1.0000
208 Pb	33938.20	P	410.70	1.21	1.0000

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	5494850.00	1.00	5418296.00	101.4	70 -	120	
45 Sc	3403160.50	1.09	3348937.80	101.6	70 -	120	
45 Sc	97699.40	1.06	98302.68	99.4	70 -	120	
45 Sc	4388999.50	0.30	4430331.00	99.1	70 -	120	
72 Ge	681036.00	0.30	674953.19	100.9	70 -	120	
72 Ge	46497.04	0.55	46572.09	99.8	70 -	120	
72 Ge	706822.50	0.24	720169.00	98.1	70 -	120	
115 In	3744746.00	1.21	3815386.50	98.1	70 -	120	
159 Tb	3759325.50	1.50	3825153.30	98.3	70 -	120	
165 Ho	3652084.00	0.75	3722287.30	98.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.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\11A26100.B\007CALS.D\007CALS.D#
Date Acquired: Jan 26 2011 09:17 am
Operator: SDM
Sample Name: 110124 Standard 3
Misc Info:
Vial Number: 1105
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:15 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)	Cal Coef
6	Li	5564681.00	A	188700.00	3.39	0.0000
7	(Li)	930485.19	A	36130.00	3.88	0.5172
9	Be	909212.69	A	3562.00	0.39	0.9984
11	B	687646.63	A	12540.00	1.82	0.9997
23	Na	1365902.00	A	10370.00	0.76	0.9847
24	Mg	1200050.00	A	1724.00	0.14	0.9994
27	Al	145668.91	P	820.00	0.56	0.9997
39	K	279378.00	P	4712.00	1.69	0.9913
44	Ca	33671.93	P	388.30	1.15	0.9527
45	Sc	3436484.00	A	40930.00	1.19	0.0000
45	Sc	98276.12	P	784.90	0.80	0.0000
45	Sc	4522704.00	A	204300.00	4.52	0.0000
47	Ti	4592.78	P	150.30	3.27	1.0000
51	V	161266.30	P	1349.00	0.84	0.9987
52	Cr	210033.70	P	1571.00	0.75	0.9996
55	Mn	91673.12	P	1657.00	1.81	0.9928
56	Fe	3309137.00	A	32640.00	0.99	0.9994
59	Co	351074.09	P	2720.00	0.77	0.9980
60	Ni	100843.60	P	508.40	0.50	0.9626
63	Cu	269925.00	P	2744.00	1.02	0.6207
65	Cu	131097.41	P	1149.00	0.88	0.6153
66	Zn	33503.19	P	382.30	1.14	0.4094
72	Ge	680031.88	P	3827.00	0.56	0.0000
72	Ge	46283.85	P	196.90	0.43	0.0000
72	Ge	723173.88	P	25520.00	3.53	0.0000
75	As	16026.20	P	253.60	1.58	0.9998
78	Se	44993.51	P	354.40	0.79	0.9999
78	Se	1012.15	P	16.58	1.64	0.9998
88	Sr	63083.51	P	1175.00	1.86	0.9993
88	Sr	2116700.00	A	10970.00	0.52	0.9996
95	Mo	334911.00	P	2925.00	0.87	1.0000
106	(Cd)	17712.79	P	313.50	1.77	0.9972
107	Ag	449060.19	P	1946.00	0.43	0.9998
108	(Cd)	13133.21	P	177.60	1.35	0.9868
111	Cd	187296.70	P	1257.00	0.67	0.9999
115	In	3832829.00	A	178600.00	4.66	0.0000
118	Sn	481523.00	P	1214.00	0.25	0.9909
121	Sb	525022.19	P	3396.00	0.65	0.9970
137	Ba	220691.00	P	758.40	0.34	0.9975
159	Tb	3958602.00	A	183700.00	4.64	0.0000
165	Ho	3823294.00	A	171900.00	4.50	0.0000
205	Tl	1022723.00	A	3504.00	0.34	0.9999
206	(Pb)	328350.69	P	2923.00	0.89	0.9970
207	(Pb)	291808.41	P	3024.00	1.04	0.9941
208	Pb	1316791.00	P	3502.00	0.27	0.9961

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5564681.00	3.39	5418296.00	102.7	70 -	120	
45	Sc	3436484.30	1.19	3348937.80	102.6	70 -	120	
45	Sc	98276.13	0.80	98302.68	100.0	70 -	120	
45	Sc	4522704.50	4.52	4430331.00	102.1	70 -	120	
72	Ge	680031.94	0.56	674953.19	100.8	70 -	120	
72	Ge	46283.85	0.43	46572.09	99.4	70 -	120	
72	Ge	723173.94	3.53	720169.00	100.4	70 -	120	
115	In	3832829.00	4.66	3815386.50	100.5	70 -	120	
159	Tb	3958602.30	4.64	3825153.30	103.5	70 -	120	
165	Ho	3823293.80	4.50	3722287.30	102.7	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.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\11A26100.B\008CALS.D\008CALS.D#
Date Acquired:	Jan 26 2011 09:23 am
Operator:	SDM
Sample Name:	110124 Standard 4
Misc Info:	
Vial Number:	1106
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:21 am
Sample Type:	CalStd
Total Dil Factor:	1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)	Cal Coef
6	Li	5451473.00	A	30240.00	0.55	0.0000
7	(Li)	911869.69	A	5708.00	0.63	0.8647
9	Be	1776459.00	A	15460.00	0.87	1.0000
11	B	1330935.00	A	7684.00	0.58	1.0000
23	Na	2577287.00	A	57510.00	2.23	1.0000
24	Mg	2329943.00	A	29580.00	1.27	1.0000
27	Al	285567.91	P	4219.00	1.48	1.0000
39	K	531668.13	P	9565.00	1.80	1.0000
44	Ca	67165.37	P	973.30	1.45	1.0000
45	Sc	3427933.00	A	19590.00	0.57	0.0000
45	Sc	97573.61	P	1876.00	1.92	0.0000
45	Sc	4409348.00	A	47680.00	1.08	0.0000
47	Ti	8763.62	P	267.80	3.06	1.0000
51	V	315190.91	P	2716.00	0.86	1.0000
52	Cr	407380.00	P	1642.00	0.40	1.0000
55	Mn	178787.50	P	1540.00	0.86	1.0000
56	Fe	6426455.00	A	36110.00	0.56	1.0000
59	Co	687090.88	P	3633.00	0.53	1.0000
60	Ni	195395.91	P	1534.00	0.79	1.0000
63	Cu	520087.91	P	3549.00	0.68	0.9999
65	Cu	254378.80	P	3039.00	1.19	0.9999
66	Zn	63495.01	P	510.90	0.80	0.9990
72	Ge	679953.31	P	3048.00	0.45	0.0000
72	Ge	46389.42	P	207.70	0.45	0.0000
72	Ge	707561.31	P	1067.00	0.15	0.0000
75	As	31420.17	P	374.30	1.19	1.0000
78	Se	89375.27	P	617.10	0.69	1.0000
78	Se	2004.48	P	42.42	2.12	1.0000
88	Sr	124099.00	P	1634.00	1.32	1.0000
88	Sr	4067418.00	A	14120.00	0.35	1.0000
95	Mo	673994.13	P	3574.00	0.53	1.0000
106	(Cd)	34569.84	P	259.40	0.75	1.0000
107	Ag	877540.69	P	5280.00	0.60	1.0000
108	(Cd)	25275.72	P	324.50	1.28	1.0000
111	Cd	365438.41	P	3357.00	0.92	1.0000
115	In	3718233.00	A	4260.00	0.11	0.0000
118	Sn	998825.00	A	5045.00	0.51	1.0000
121	Sb	1144168.00	A	4918.00	0.43	1.0000
137	Ba	430319.00	P	525.50	0.12	1.0000
159	Tb	3860849.00	A	20560.00	0.53	0.0000
165	Ho	3758179.00	A	10370.00	0.28	0.0000
205	Tl	2036859.00	A	15830.00	0.78	1.0000
206	(Pb)	642891.63	P	1106.00	0.17	1.0000
207	(Pb)	569736.31	P	3229.00	0.57	1.0000
208	Pb	2631259.00	A	8109.00	0.31	1.0000

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5451472.50	0.55	5418296.00	100.6	70 -	120	
45	Sc	3427933.30	0.57	3348937.80	102.4	70 -	120	
45	Sc	97573.61	1.92	98302.68	99.3	70 -	120	
45	Sc	4409347.50	1.08	4430331.00	99.5	70 -	120	
72	Ge	679953.31	0.45	674953.19	100.7	70 -	120	
72	Ge	46389.42	0.45	46572.09	99.6	70 -	120	
72	Ge	707561.31	0.15	720169.00	98.2	70 -	120	
115	In	3718233.00	0.11	3815386.50	97.5	70 -	120	
159	Tb	3860849.30	0.53	3825153.30	100.9	70 -	120	
165	Ho	3758179.50	0.28	3722287.30	101.0	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.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\11A26i00.B\009_QCS.D\009_QCS.D#
Date Acquired:	Jan 26 2011 09:29 am
Operator:	SDM
Sample Name:	ICV 110124
Misc Info:	
Vial Number:	1107
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	98.47	ug/l	0.87	100.00	90 -	110	
11 B	99.44	ug/l	0.04	100.00	90 -	110	
23 Na	2421.00	ug/l	1.46	2500.00	90 -	110	
24 Mg	2440.00	ug/l	0.04	2500.00	90 -	110	
27 Al	2395.00	ug/l	0.84	2500.00	90 -	110	
39 K	2420.00	ug/l	0.67	2500.00	90 -	110	
44 Ca	2687.00	ug/l	1.20	2500.00	90 -	110	
47 Ti	94.91	ug/l	1.48	100.00	90 -	110	
51 V	97.27	ug/l	0.57	100.00	90 -	110	
52 Cr	98.41	ug/l	0.18	100.00	90 -	110	
55 Mn	98.33	ug/l	1.23	100.00	90 -	110	
56 Fe	2380.00	ug/l	1.58	2500.00	90 -	110	
59 Co	97.74	ug/l	0.93	100.00	90 -	110	
60 Ni	97.40	ug/l	0.25	100.00	90 -	110	
63 Cu	98.72	ug/l	0.05	100.00	90 -	110	
65 Cu	98.26	ug/l	0.32	100.00	90 -	110	
66 Zn	96.52	ug/l	0.73	100.00	90 -	110	
75 As	98.07	ug/l	0.56	100.00	90 -	110	
78 Se	98.11	ug/l	0.53	100.00	90 -	110	
78 Se	99.04	ug/l	1.20	100.00	90 -	110	
88 Sr	96.06	ug/l	0.55	100.00	90 -	110	
88 Sr	96.65	ug/l	0.35	100.00	90 -	110	
95 Mo	101.00	ug/l	1.59	100.00	90 -	110	
106 (Cd)	--------	ug/l	--------	100.00	90 -	110	
107 Ag	48.88	ug/l	1.28	50.00	90 -	110	
108 (Cd)	--------	ug/l	--------	100.00	90 -	110	
111 Cd	97.84	ug/l	0.45	100.00	90 -	110	
118 Sn	46.09	ug/l	3.97	50.00	90 -	110	
121 Sb	108.70	ug/l	0.41	100.00	90 -	110	
137 Ba	97.98	ug/l	1.08	100.00	90 -	110	
205 Tl	99.52	ug/l	0.97	100.00	90 -	110	
206 (Pb)	--------	ug/l	--------	100.00	90 -	110	
207 (Pb)	--------	ug/l	--------	100.00	90 -	110	
208 Pb	100.70	ug/l	1.15	100.00	90 -	110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	5383802.00	0.86	5418296.00	99.4	70 -	120	
45 Sc	3398768.80	0.21	3348937.80	101.5	70 -	120	
45 Sc	98004.48	1.14	98302.68	99.7	70 -	120	
45 Sc	4381922.50	0.29	4430331.00	98.9	70 -	120	
72 Ge	679044.81	0.39	674953.19	100.6	70 -	120	
72 Ge	46123.31	0.86	46572.09	99.0	70 -	120	
72 Ge	704235.94	0.64	720169.00	97.8	70 -	120	
115 In	3739713.50	1.29	3815386.50	98.0	70 -	120	
159 Tb	3811996.50	1.01	3825153.30	99.7	70 -	120	
165 Ho	3706047.80	1.24	3722287.30	99.6	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26100.B\011_CCB.D\011_CCB.D#
Date Acquired:	Jan 26 2011 09:41 am
Operator:	SDM
Sample Name:	ICB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	--------	#VALUE!	
9 Be	-0.13	ug/l	2.16	0.12	
11 B	-0.37	ug/l	4.89	15.00	
23 Na	21.29	ug/l	5.42	77.10	
24 Mg	-0.17	ug/l	90.25	7.50	
27 Al	-0.88	ug/l	15.13	3.96	
39 K	7.54	ug/l	11.81	19.20	
44 Ca	-0.20	ug/l	723.30	90.00	
47 Ti	-0.02	ug/l	129.88	0.78	
51 V	-0.03	ug/l	17.68	0.21	
52 Cr	-0.01	ug/l	92.09	0.12	
55 Mn	1.71	ug/l	18.68	0.18	Fail
56 Fe	-0.41	ug/l	4.77	40.80	
59 Co	-0.14	ug/l	2.00	0.09	
60 Ni	0.04	ug/l	27.50	0.48	
63 Cu	-1.00	ug/l	0.44	0.39	
65 Cu	-1.01	ug/l	0.86	0.39	
66 Zn	-0.58	ug/l	1.27	6.90	
75 As	0.03	ug/l	63.45	0.27	
78 Se	0.08	ug/l	18.22	0.30	
78 Se	0.20	ug/l	12.37	0.30	
88 Sr	0.01	ug/l	171.36	0.03	
88 Sr	0.00	ug/l	38.33	0.03	
95 Mo	0.17	ug/l	10.42	0.21	
106 (Cd)	--------	ug/l	--------	#VALUE!	
107 Ag	0.00	ug/l	28.26	0.09	
108 (Cd)	--------	ug/l	--------	#VALUE!	
111 Cd	0.02	ug/l	28.28	0.06	
118 Sn	-0.16	ug/l	3.26	0.30	
121 Sb	0.04	ug/l	3.86	0.03	Fail
137 Ba	0.00	ug/l	1938.50	0.12	
205 Tl	0.00	ug/l	281.23	0.03	
206 (Pb)	--------	ug/l	--------	#VALUE!	
207 (Pb)	--------	ug/l	--------	#VALUE!	
208 Pb	-0.21	ug/l	3.95	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5182558.50	0.79	5418296.00	95.6	70 - 120	
45 Sc	3310673.80	0.18	3348937.80	98.9	70 - 120	
45 Sc	101289.51	0.71	98302.68	103.0	70 - 120	
45 Sc	4442756.00	0.82	4430331.00	100.3	70 - 120	
72 Ge	674294.00	0.91	674953.19	99.9	70 - 120	
72 Ge	48068.83	0.13	46572.09	103.2	70 - 120	
72 Ge	724677.25	0.82	720169.00	100.6	70 - 120	
115 In	3823979.50	0.85	3815386.50	100.2	70 - 120	
159 Tb	3860999.00	0.38	3825153.30	100.9	70 - 120	
165 Ho	3731078.00	0.20	3722287.30	100.2	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

2 :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\11A26100.B\013_CCV.D\013_CCV.D#
Date Acquired:	Jan 26 2011 09:53 am
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	50.16	ug/l	1.20	50.00	90 - 110	
11 B	50.69	ug/l	0.78	50.00	90 - 110	
23 Na	1261.00	ug/l	1.17	1250.00	90 - 110	
24 Mg	2521.00	ug/l	1.33	2500.00	90 - 110	
27 Al	1009.00	ug/l	0.26	1000.00	90 - 110	
39 K	1007.00	ug/l	0.60	1000.00	90 - 110	
44 Ca	2532.00	ug/l	1.25	2500.00	90 - 110	
47 Ti	49.98	ug/l	0.22	50.00	90 - 110	
51 V	49.35	ug/l	1.14	50.00	90 - 110	
52 Cr	49.87	ug/l	0.87	50.00	90 - 110	
55 Mn	50.24	ug/l	1.17	50.00	90 - 110	
56 Fe	1000.00	ug/l	0.98	1000.00	90 - 110	
59 Co	49.54	ug/l	1.01	50.00	90 - 110	
60 Ni	49.95	ug/l	1.53	50.00	90 - 110	
63 Cu	50.36	ug/l	0.48	50.00	90 - 110	
65 Cu	50.09	ug/l	0.81	50.00	90 - 110	
66 Zn	51.42	ug/l	1.51	50.00	90 - 110	
75 As	50.36	ug/l	0.42	50.00	90 - 110	
78 Se	49.58	ug/l	0.25	50.00	90 - 110	
78 Se	50.70	ug/l	1.31	50.00	90 - 110	
88 Sr	51.22	ug/l	0.92	50.00	90 - 110	
88 Sr	51.12	ug/l	0.78	50.00	90 - 110	
95 Mo	50.14	ug/l	0.45	50.00	90 - 110	
106 (Cd)	--------	ug/l	--------	50.00	90 - 110	
107 Ag	24.91	ug/l	0.93	25.00	90 - 110	
108 (Cd)	--------	ug/l	--------	50.00	90 - 110	
111 Cd	49.83	ug/l	0.53	50.00	90 - 110	
118 Sn	48.19	ug/l	0.73	50.00	90 - 110	
121 Sb	46.44	ug/l	0.53	50.00	90 - 110	
137 Ba	50.30	ug/l	0.58	50.00	90 - 110	
205 Tl	50.30	ug/l	2.23	50.00	90 - 110	
206 (Pb)	--------	ug/l	--------	50.00	90 - 110	
207 (Pb)	--------	ug/l	--------	50.00	90 - 110	
208 Pb	49.88	ug/l	0.35	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5480342.00	0.39	5418296.00	101.1	70 - 120	
45 Sc	3404801.30	0.66	3348937.80	101.7	70 - 120	
45 Sc	99615.04	1.33	98302.68	101.3	70 - 120	
45 Sc	4419527.50	1.04	4430331.00	99.8	70 - 120	
72 Ge	679799.13	0.52	674953.19	100.7	70 - 120	
72 Ge	46527.58	0.39	46572.09	99.9	70 - 120	
72 Ge	705020.44	0.80	720169.00	97.9	70 - 120	
115 In	3773311.30	0.18	3815386.50	98.9	70 - 120	
159 Tb	3856159.00	0.84	3825153.30	100.8	70 - 120	
165 Ho	3723079.80	0.47	3722287.30	100.0	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.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\11A26i00.B\015_CCB.D\015_CCB.D#
Date Acquired:	Jan 26 2011 10:05 am
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	#VALUE!	
9 Be	-0.14 ug/l	2.46	0.12	
11 B	-0.34 ug/l	7.19	15.00	
23 Na	11.83 ug/l	3.38	77.10	
24 Mg	-0.24 ug/l	36.40	7.50	
27 Al	-0.76 ug/l	17.85	3.96	
39 K	-0.70 ug/l	156.09	19.20	
44 Ca	-1.93 ug/l	137.40	90.00	
47 Ti	-0.03 ug/l	85.08	0.78	
51 V	-0.03 ug/l	4.68	0.21	
52 Cr	-0.01 ug/l	48.16	0.12	
55 Mn	-0.14 ug/l	3.43	0.18	
56 Fe	-0.44 ug/l	1.76	40.80	
59 Co	-0.15 ug/l	5.71	0.09	
60 Ni	-0.01 ug/l	18.78	0.48	
63 Cu	-1.01 ug/l	0.50	0.39	
65 Cu	-1.01 ug/l	0.58	0.39	
66 Zn	-0.89 ug/l	3.75	6.90	
75 As	-0.01 ug/l	46.73	0.27	
78 Se	0.04 ug/l	35.48	0.30	
78 Se	0.11 ug/l	40.66	0.30	
88 Sr	0.00 ug/l	514.49	0.03	
88 Sr	0.00 ug/l	1438.50	0.03	
95 Mo	0.07 ug/l	11.85	0.21	
106 (Cd)	-------- ug/l	--------	#VALUE!	
107 Ag	0.00 ug/l	271.96	0.09	
108 (Cd)	-------- ug/l	--------	#VALUE!	
111 Cd	0.00 ug/l	784.71	0.06	
118 Sn	-0.15 ug/l	1.99	0.30	
121 Sb	0.09 ug/l	1.76	0.03	Fail
137 Ba	-0.02 ug/l	50.78	0.12	
205 Tl	-0.01 ug/l	46.95	0.03	
206 (Pb)	-------- ug/l	--------	#VALUE!	
207 (Pb)	-------- ug/l	--------	#VALUE!	
208 Pb	-0.25 ug/l	1.14	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5028828.00	1.07	5418296.00	92.8	70 - 120	
45 Sc	3251785.80	0.99	3348937.80	97.1	70 - 120	
45 Sc	100643.50	1.07	98302.68	102.4	70 - 120	
45 Sc	4351781.00	0.43	4430331.00	98.2	70 - 120	
72 Ge	661360.00	0.17	674953.19	98.0	70 - 120	
72 Ge	47595.45	1.22	46572.09	102.2	70 - 120	
72 Ge	714328.56	0.18	720169.00	99.2	70 - 120	
115 In	3773508.50	0.46	3815386.50	98.9	70 - 120	
159 Tb	3789603.00	1.19	3825153.30	99.1	70 - 120	
165 Ho	3641332.30	0.42	3722287.30	97.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26100.B\016SMPL.D\016SMPL.D#
Date Acquired:	Jan 26 2011 10:11 am
Operator:	SDM
Sample Name:	ICSA 110124
Misc Info:	
Vial Number:	2102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	1.76 ug/l	1.76	2.03	1000	
11 B	0.97 ug/l	0.97	5.99	1000	
23 Na	89320.00 ug/l	89320.00	0.74	25000	>Cal
24 Mg	87550.00 ug/l	87550.00	1.01	50000	>Cal
27 Al	92500.00 ug/l	92500.00	0.36	20000	>Cal
39 K	92290.00 ug/l	92290.00	0.96	20000	>Cal
44 Ca	88430.00 ug/l	88430.00	0.99	50000	>Cal
47 Ti	1871.00 ug/l	1871.00	0.30	1000	>Cal
51 V	2.59 ug/l	2.59	2.30	1000	
52 Cr	3.04 ug/l	3.04	1.63	1000	
55 Mn	10.63 ug/l	10.63	0.51	1000	
56 Fe	85550.00 ug/l	85550.00	0.28	20000	>Cal
59 Co	3.49 ug/l	3.49	0.87	1000	
60 Ni	4.62 ug/l	4.62	1.73	1000	
63 Cu	2.03 ug/l	2.03	1.48	1000	
65 Cu	2.02 ug/l	2.02	1.90	1000	
66 Zn	28.24 ug/l	28.24	1.28	1000	
75 As	1.98 ug/l	1.98	0.56	1000	
78 Se	1.69 ug/l	1.69	9.85	1000	
78 Se	1.80 ug/l	1.80	7.96	1000	
88 Sr	4.24 ug/l	4.24	0.36	1000	
88 Sr	4.10 ug/l	4.10	0.57	1000	
95 Mo	1903.00 ug/l	1903.00	0.54	1000	>Cal
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	0.64 ug/l	0.64	1.29	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	2.94 ug/l	2.94	3.58	1000	
118 Sn	0.97 ug/l	0.97	6.41	1000	
121 Sb	2.82 ug/l	2.82	0.76	1000	
137 Ba	5.77 ug/l	5.77	1.48	1000	
205 Tl	1.96 ug/l	1.96	1.31	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	2.58 ug/l	2.58	2.26	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	4678277.00	0.95	5418296.00	86.3	70 - 120	
45 Sc	3569488.00	12.06	3348937.80	106.6	70 - 120	
45 Sc	88241.84	1.04	98302.68	89.8	70 - 120	
45 Sc	3941266.50	0.57	4430331.00	89.0	70 - 120	
72 Ge	665255.44	9.16	674953.19	98.6	70 - 120	
72 Ge	40791.84	1.32	46572.09	87.6	70 - 120	
72 Ge	643442.38	0.49	720169.00	89.3	70 - 120	
115 In	3222635.80	1.11	3815386.50	84.5	70 - 120	
159 Tb	3555006.30	0.41	3825153.30	92.9	70 - 120	
165 Ho	3483227.00	0.67	3722287.30	93.6	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.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\11A26i00.B\017ICSB.D\017ICSB.D#
Date Acquired:	Jan 26 2011 10:17 am
Acq. Method:	62A0126.M
Operator:	SDM
Sample Name:	ICSAB 110124
Misc Info:	
Vial Number:	2103
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal. Update:	Jan 26 2011 09:27 am
Sample Type:	ICSAB
Dilution Factor:	1.00

Data Results:
Analytes: Fail
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
7	(Li)	---	3	--------	--------	---		-	
9	Be	45	3	216.00	1.76	250	86.4	80 - 120	
11	B	45	3	1.21	2.65	---		-	
23	Na	45	2	90780.00	0.14	---		-	
24	Mg	45	2	88680.00	1.24	---		-	
27	Al	45	2	93220.00	0.43	---		-	
39	K	45	2	93140.00	0.51	---		-	
44	Ca	45	2	90030.00	0.33	---		-	
47	Ti	45	2	1913.00	0.36	2000	95.7	80 - 120	
51	V	45	2	241.70	0.24	250	96.7	80 - 120	
52	Cr	45	2	236.90	0.93	250	94.8	80 - 120	
55	Mn	45	2	240.60	0.72	250	96.2	80 - 120	
56	Fe	45	2	87170.00	0.28	---		-	
59	Co	45	2	231.40	0.42	250	92.6	80 - 120	
60	Ni	45	2	416.40	0.16	500	83.3	80 - 120	
63	Cu	72	2	222.30	1.47	250	88.9	80 - 120	
65	Cu	72	2	215.50	1.21	250	86.2	80 - 120	
66	Zn	72	2	394.40	0.71	500	78.9	80 - 120	Fail
75	As	72	2	234.50	0.80	250	93.8	80 - 120	
78	Se	72	1	220.90	0.42	250	88.4	80 - 120	
78	Se	72	2	219.40	1.28	250	87.8	80 - 120	
88	Sr	72	2	4.69	4.50	---		-	
88	Sr	72	3	4.55	0.90	---		-	
95	Mo	72	3	2166.00	0.51	2000	108.3	80 - 120	
106	(Cd)	---	3	--------	--------	---		-	
107	Ag	115	3	403.40	6.43	500	80.7	80 - 120	
108	(Cd)	---	3	--------	--------	---		-	
111	Cd	115	3	465.40	0.45	500	93.1	80 - 120	
118	Sn	115	3	1.30	2.85	---		-	
121	Sb	115	3	259.50	0.91	250	103.8	80 - 120	
137	Ba	115	3	270.90	0.83	250	108.4	80 - 120	
205	Tl	159	3	228.20	0.70	250	91.3	80 - 120	
206	(Pb)	---	3	--------	--------	---		-	
207	(Pb)	---	3	--------	--------	---		-	
208	Pb	159	3	450.30	0.93	500	90.1	80 - 120	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	3	4591274	0.83	5418296	84.7	70 - 120	
45	Sc	1	3090549	0.94	3348938	92.3	70 - 120	
45	Sc	2	85469	0.95	98303	86.9	70 - 120	
45	Sc	3	3910875	2.04	4430331	88.3	70 - 120	
72	Ge	1	594615	0.78	674953	88.1	70 - 120	
72	Ge	2	39730	1.59	46572	85.3	70 - 120	
72	Ge	3	636332	0.63	720169	88.4	70 - 120	
115	In	3	3156241	1.52	3815387	82.7	70 - 120	
159	Tb	3	3512780	1.23	3825153	91.8	70 - 120	
165	Ho	3	3429495	1.30	3722287	92.1	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\11A26i00.B\004CALB.D\004CALB.D#

1 :Element Failures　　0 :Max. Number of Failures Allowed
0 :ISTD Failures　　0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26100.B\018SMPL.D\018SMPL.D#
Date Acquired:	Jan 26 2011 10:23 am
Operator:	SDM
Sample Name:	LDR 110124
Misc Info:	
Vial Number:	2101
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	879.40	ug/l	879.40	0.17	1000	
11	B	886.90	ug/l	886.90	1.05	1000	
23	Na	23230.00	ug/l	23230.00	0.07	25000	
24	Mg	45530.00	ug/l	45530.00	0.57	50000	
27	Al	19430.00	ug/l	19430.00	0.85	20000	
39	K	19170.00	ug/l	19170.00	1.25	20000	
44	Ca	47160.00	ug/l	47160.00	0.93	50000	
47	Ti	969.80	ug/l	969.80	0.50	1000	
51	V	996.60	ug/l	996.60	0.40	1000	
52	Cr	963.60	ug/l	963.60	0.86	1000	
55	Mn	984.70	ug/l	984.70	1.18	1000	
56	Fe	18430.00	ug/l	18430.00	0.39	20000	
59	Co	946.50	ug/l	946.50	0.32	1000	
60	Ni	936.40	ug/l	936.40	0.50	1000	
63	Cu	898.40	ug/l	898.40	0.95	1000	
65	Cu	909.80	ug/l	909.80	1.51	1000	
66	Zn	832.70	ug/l	832.70	1.14	1000	
75	As	947.80	ug/l	947.80	0.26	1000	
78	Se	915.50	ug/l	915.50	0.72	1000	
78	Se	894.20	ug/l	894.20	0.09	1000	
88	Sr	1011.00	ug/l	1011.00	0.91	1000	>Cal
88	Sr	965.80	ug/l	965.80	0.94	1000	
95	Mo	1009.00	ug/l	1009.00	0.55	1000	>Cal
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	421.90	ug/l	421.90	1.48	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	956.00	ug/l	956.00	1.41	1000	
118	Sn	955.50	ug/l	955.50	0.39	1000	
121	Sb	987.80	ug/l	987.80	0.53	1000	
137	Ba	1018.00	ug/l	1018.00	0.07	1000	>Cal
205	Tl	907.70	ug/l	907.70	1.15	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	926.30	ug/l	926.30	1.50	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	4778866.00	1.30	5418296.00	88.2	70 -	120	
45	Sc	3103544.30	0.28	3348937.80	92.7	70 -	120	
45	Sc	86572.36	0.71	98302.68	88.1	70 -	120	
45	Sc	4006536.30	0.72	4430331.00	90.4	70 -	120	
72	Ge	615478.13	0.41	674953.19	91.2	70 -	120	
72	Ge	41753.43	1.34	46572.09	89.7	70 -	120	
72	Ge	647552.00	0.80	720169.00	89.9	70 -	120	
115	In	3414278.80	0.18	3815386.50	89.5	70 -	120	
159	Tb	3697580.30	0.54	3825153.30	96.7	70 -	120	
165	Ho	3595818.30	0.68	3722287.30	96.6	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

3 :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\11A26100.B\020_CCV.D\020_CCV.D#
Date Acquired:	Jan 26 2011 10:34 am
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	52.31	ug/l	6.87	50.00	90 -	110	
11	B	53.94	ug/l	6.10	50.00	90 -	110	
23	Na	1257.00	ug/l	0.30	1250.00	90 -	110	
24	Mg	2533.00	ug/l	0.43	2500.00	90 -	110	
27	Al	988.30	ug/l	0.78	1000.00	90 -	110	
39	K	1005.00	ug/l	1.12	1000.00	90 -	110	
44	Ca	2500.00	ug/l	1.28	2500.00	90 -	110	
47	Ti	49.84	ug/l	1.84	50.00	90 -	110	
51	V	50.96	ug/l	1.37	50.00	90 -	110	
52	Cr	50.64	ug/l	0.58	50.00	90 -	110	
55	Mn	50.54	ug/l	0.96	50.00	90 -	110	
56	Fe	1030.00	ug/l	0.48	1000.00	90 -	110	
59	Co	51.19	ug/l	0.32	50.00	90 -	110	
60	Ni	51.06	ug/l	1.05	50.00	90 -	110	
63	Cu	48.45	ug/l	1.23	50.00	90 -	110	
65	Cu	48.49	ug/l	0.40	50.00	90 -	110	
66	Zn	49.92	ug/l	1.31	50.00	90 -	110	
75	As	50.19	ug/l	0.87	50.00	90 -	110	
78	Se	50.66	ug/l	0.04	50.00	90 -	110	
78	Se	50.18	ug/l	1.76	50.00	90 -	110	
88	Sr	49.83	ug/l	1.26	50.00	90 -	110	
88	Sr	54.13	ug/l	4.47	50.00	90 -	110	
95	Mo	54.77	ug/l	4.47	50.00	90 -	110	
106	(Cd)	--------	ug/l	--------	50.00	90 -	110	
107	Ag	26.00	ug/l	4.22	25.00	90 -	110	
108	(Cd)	--------	ug/l	--------	50.00	90 -	110	
111	Cd	52.74	ug/l	4.12	50.00	90 -	110	
118	Sn	52.45	ug/l	5.53	50.00	90 -	110	
121	Sb	53.58	ug/l	4.51	50.00	90 -	110	
137	Ba	53.50	ug/l	4.97	50.00	90 -	110	
205	Tl	53.62	ug/l	6.46	50.00	90 -	110	
206	(Pb)	--------	ug/l	--------	50.00	90 -	110	
207	(Pb)	--------	ug/l	--------	50.00	90 -	110	
208	Pb	52.51	ug/l	5.59	50.00	90 -	110	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	4966975.50	4.22	5418296.00	91.7	70 -	120	
45	Sc	3309767.30	0.19	3348937.80	98.8	70 -	120	
45	Sc	92905.63	0.59	98302.68	94.5	70 -	120	
45	Sc	4020596.00	5.05	4430331.00	90.8	70 -	120	
72	Ge	668593.56	0.07	674953.19	99.1	70 -	120	
72	Ge	45889.99	0.83	46572.09	98.5	70 -	120	
72	Ge	669709.69	4.68	720169.00	93.0	70 -	120	
115	In	3619695.80	4.25	3815386.50	94.9	70 -	120	
159	Tb	3739613.00	5.04	3825153.30	97.8	70 -	120	
165	Ho	3639708.50	4.78	3722287.30	97.8	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.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\11A26100.B\021_CCB.D\021_CCB.D#
Date Acquired:	Jan 26 2011 10:40 am
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element		Conc.		RSD(%)	High Limit	Flag
7	(Li)	--------	ug/l	--------	#VALUE!	
9	Be	-0.12	ug/l	1.41	0.12	
11	B	0.44	ug/l	19.02	15.00	
23	Na	-10.94	ug/l	6.65	77.10	
24	Mg	1.23	ug/l	21.27	7.50	
27	Al	0.05	ug/l	224.39	3.96	
39	K	0.20	ug/l	465.84	19.20	
44	Ca	2.02	ug/l	3.60	90.00	
47	Ti	0.04	ug/l	169.47	0.78	
51	V	-0.01	ug/l	47.27	0.21	
52	Cr	0.01	ug/l	46.12	0.12	
55	Mn	0.06	ug/l	15.80	0.18	
56	Fe	0.40	ug/l	9.24	40.80	
59	Co	-0.13	ug/l	2.69	0.09	
60	Ni	0.02	ug/l	46.51	0.48	
63	Cu	-0.99	ug/l	0.44	0.39	
65	Cu	-0.98	ug/l	1.15	0.39	
66	Zn	-0.92	ug/l	4.15	6.90	
75	As	0.10	ug/l	10.66	0.27	
78	Se	0.23	ug/l	12.68	0.30	
78	Se	0.36	ug/l	24.63	0.30	Fail
88	Sr	0.01	ug/l	328.74	0.03	
88	Sr	0.01	ug/l	35.30	0.03	
95	Mo	1.11	ug/l	1.40	0.21	Fail
106	(Cd)	--------	ug/l	--------	#VALUE!	
107	Ag	0.01	ug/l	14.30	0.09	
108	(Cd)	--------	ug/l	--------	#VALUE!	
111	Cd	0.02	ug/l	23.63	0.06	
118	Sn	-0.13	ug/l	16.94	0.30	
121	Sb	0.55	ug/l	3.13	0.03	Fail
137	Ba	0.00	ug/l	600.07	0.12	
205	Tl	0.03	ug/l	9.35	0.03	
206	(Pb)	--------	ug/l	--------	#VALUE!	
207	(Pb)	--------	ug/l	--------	#VALUE!	
208	Pb	-0.24	ug/l	1.69	0.33	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5191996.00	0.89	5418296.00	95.8	70 -	120	
45	Sc	3304909.80	0.38	3348937.80	98.7	70 -	120	
45	Sc	95901.25	0.62	98302.68	97.6	70 -	120	
45	Sc	4268188.00	0.45	4430331.00	96.3	70 -	120	
72	Ge	680897.94	0.03	674953.19	100.9	70 -	120	
72	Ge	47332.34	0.39	46572.09	101.6	70 -	120	
72	Ge	714081.25	0.22	720169.00	99.2	70 -	120	
115	In	3892968.50	0.65	3815386.50	102.0	70 -	120	
159	Tb	3923466.30	0.43	3825153.30	102.6	70 -	120	
165	Ho	3786953.30	1.19	3722287.30	101.7	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

3 :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\11A26100.B\072_CCV.D\072_CCV.D#
Date Acquired:	Jan 26 2011 03:41 pm
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	36.65 ug/l	1.06	50.00	90 - 110	Fail
11 B	36.07 ug/l	1.64	50.00	90 - 110	Fail
23 Na	1415.00 ug/l	5.60	1250.00	90 - 110	Fail
24 Mg	2462.00 ug/l	1.96	2500.00	90 - 110	
27 Al	1096.00 ug/l	1.47	1000.00	90 - 110	
39 K	1091.00 ug/l	0.62	1000.00	90 - 110	
44 Ca	2717.00 ug/l	0.77	2500.00	90 - 110	
47 Ti	49.67 ug/l	3.64	50.00	90 - 110	
51 V	46.06 ug/l	1.34	50.00	90 - 110	
52 Cr	44.10 ug/l	0.86	50.00	90 - 110	Fail
55 Mn	50.44 ug/l	0.93	50.00	90 - 110	
56 Fe	940.20 ug/l	1.42	1000.00	90 - 110	
59 Co	43.36 ug/l	1.01	50.00	90 - 110	Fail
60 Ni	42.75 ug/l	0.45	50.00	90 - 110	Fail
63 Cu	42.63 ug/l	0.38	50.00	90 - 110	Fail
65 Cu	42.54 ug/l	0.81	50.00	90 - 110	Fail
66 Zn	46.68 ug/l	1.29	50.00	90 - 110	
75 As	48.87 ug/l	0.96	50.00	90 - 110	
78 Se	48.18 ug/l	0.59	50.00	90 - 110	
78 Se	53.87 ug/l	2.57	50.00	90 - 110	
88 Sr	55.65 ug/l	1.08	50.00	90 - 110	Fail
88 Sr	53.39 ug/l	0.98	50.00	90 - 110	
95 Mo	49.64 ug/l	0.62	50.00	90 - 110	
106 (Cd)	-------- ug/l	--------	50.00	90 - 110	
107 Ag	24.49 ug/l	1.26	25.00	90 - 110	
108 (Cd)	-------- ug/l	--------	50.00	90 - 110	
111 Cd	47.92 ug/l	0.53	50.00	90 - 110	
118 Sn	46.49 ug/l	0.10	50.00	90 - 110	
121 Sb	45.15 ug/l	0.99	50.00	90 - 110	
137 Ba	51.72 ug/l	0.67	50.00	90 - 110	
205 Tl	45.07 ug/l	0.43	50.00	90 - 110	
206 (Pb)	-------- ug/l	--------	50.00	90 - 110	
207 (Pb)	-------- ug/l	--------	50.00	90 - 110	
208 Pb	46.91 ug/l	0.73	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	2870056.00	0.63	5418296.00	53.0	70 - 120	IS Fail
45 Sc	2100922.30	1.05	3348937.80	62.7	70 - 120	IS Fail
45 Sc	77762.82	0.86	98302.68	79.1	70 - 120	
45 Sc	3194355.80	0.79	4430331.00	72.1	70 - 120	
72 Ge	409503.19	0.24	674953.19	60.7	70 - 120	IS Fail
72 Ge	36106.05	0.09	46572.09	77.5	70 - 120	
72 Ge	542879.06	0.65	720169.00	75.4	70 - 120	
115 In	2953834.30	0.62	3815386.50	77.4	70 - 120	
159 Tb	2892173.50	0.18	3825153.30	75.6	70 - 120	
165 Ho	2767228.00	0.51	3722287.30	74.3	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

9 :Element Failures 0 :Max. Number of Failures Allowed
3 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

CCB QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26100.B\073_CCB.D\073_CCB.D#
Date Acquired:	Jan 26 2011 03:47 pm
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	#VALUE!	
9 Be	-0.16 ug/l	0.23	0.12	
11 B	0.43 ug/l	7.13	15.00	
23 Na	90.27 ug/l	4.99	77.10	Fail
24 Mg	5.66 ug/l	6.94	7.50	
27 Al	-0.62 ug/l	19.53	3.96	
39 K	11.32 ug/l	16.63	19.20	
44 Ca	0.99 ug/l	139.21	90.00	
47 Ti	-0.03 ug/l	124.06	0.78	
51 V	0.00 ug/l	49.95	0.21	
52 Cr	-0.02 ug/l	49.57	0.12	
55 Mn	-0.06 ug/l	80.60	0.18	
56 Fe	-0.34 ug/l	9.03	40.80	
59 Co	-0.16 ug/l	2.64	0.09	
60 Ni	-0.03 ug/l	23.83	0.48	
63 Cu	-1.02 ug/l	0.50	0.39	
65 Cu	-1.01 ug/l	0.27	0.39	
66 Zn	-1.06 ug/l	6.91	6.90	
75 As	0.01 ug/l	125.06	0.27	
78 Se	0.14 ug/l	12.70	0.30	
78 Se	0.43 ug/l	34.16	0.30	Fail
88 Sr	0.04 ug/l	44.04	0.03	Fail
88 Sr	0.03 ug/l	13.09	0.03	
95 Mo	0.49 ug/l	7.30	0.21	Fail
106 (Cd)	-------- ug/l	--------	#VALUE!	
107 Ag	0.00 ug/l	462.73	0.09	
108 (Cd)	-------- ug/l	--------	#VALUE!	
111 Cd	0.01 ug/l	26.57	0.06	
118 Sn	-0.14 ug/l	9.76	0.30	
121 Sb	0.20 ug/l	5.05	0.03	Fail
137 Ba	-0.01 ug/l	46.96	0.12	
205 Tl	0.02 ug/l	28.17	0.03	
206 (Pb)	-------- ug/l	--------	#VALUE!	
207 (Pb)	-------- ug/l	--------	#VALUE!	
208 Pb	-0.28 ug/l	1.14	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3111293.80	1.41	5418296.00	57.4	70 - 120	IS Fail
45 Sc	2165009.80	1.26	3348937.80	64.6	70 - 120	IS Fail
45 Sc	83003.50	3.13	98302.68	84.4	70 - 120	
45 Sc	3419284.50	1.50	4430331.00	77.2	70 - 120	
72 Ge	429129.31	0.61	674953.19	63.6	70 - 120	IS Fail
72 Ge	38650.38	3.69	46572.09	83.0	70 - 120	
72 Ge	580728.00	0.92	720169.00	80.6	70 - 120	
115 In	3107773.80	0.76	3815386.50	81.5	70 - 120	
159 Tb	2962851.80	1.92	3825153.30	77.5	70 - 120	
165 Ho	2837403.00	1.40	3722287.30	76.2	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

5 :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\11A26r00.B\002_CCV.D\002_CCV.D#
Date Acquired:	Jan 26 2011 05:22 pm
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 05:20 pm
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	38.78	ug/l	0.21	50.00	90 -	110	Fail
11 B	37.00	ug/l	0.55	50.00	90 -	110	Fail
23 Na	1236.00	ug/l	0.51	1250.00	90 -	110	
24 Mg	2503.00	ug/l	1.20	2500.00	90 -	110	
27 Al	1107.00	ug/l	1.52	1000.00	90 -	110	Fail
39 K	1132.00	ug/l	1.45	1000.00	90 -	110	Fail
44 Ca	2777.00	ug/l	1.14	2500.00	90 -	110	Fail
47 Ti	51.49	ug/l	1.77	50.00	90 -	110	
51 V	48.27	ug/l	1.35	50.00	90 -	110	
52 Cr	46.24	ug/l	0.87	50.00	90 -	110	
55 Mn	52.65	ug/l	1.26	50.00	90 -	110	
56 Fe	996.30	ug/l	1.29	1000.00	90 -	110	
59 Co	45.96	ug/l	1.25	50.00	90 -	110	
60 Ni	44.77	ug/l	1.13	50.00	90 -	110	Fail
63 Cu	44.86	ug/l	0.48	50.00	90 -	110	Fail
65 Cu	44.70	ug/l	0.84	50.00	90 -	110	Fail
66 Zn	50.26	ug/l	0.38	50.00	90 -	110	
75 As	51.09	ug/l	0.98	50.00	90 -	110	
78 Se	50.40	ug/l	0.32	50.00	90 -	110	
78 Se	56.60	ug/l	2.33	50.00	90 -	110	Fail
88 Sr	59.05	ug/l	0.23	50.00	90 -	110	Fail
88 Sr	55.51	ug/l	1.02	50.00	90 -	110	Fail
95 Mo	52.02	ug/l	0.50	50.00	90 -	110	
106 (Cd)	--------	ug/l	--------	50.00	90 -	110	
107 Ag	25.50	ug/l	0.21	25.00	90 -	110	
108 (Cd)	--------	ug/l	--------	50.00	90 -	110	
111 Cd	50.25	ug/l	0.90	50.00	90 -	110	
118 Sn	49.09	ug/l	0.49	50.00	90 -	110	
121 Sb	48.46	ug/l	0.88	50.00	90 -	110	
137 Ba	53.71	ug/l	1.42	50.00	90 -	110	
205 Tl	47.03	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	49.05	ug/l	1.04	50.00	90 -	110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	3103919.00	0.93	3059093.30	101.5	70 -	120	
45 Sc	2235821.80	0.76	2256319.50	99.1	70 -	120	
45 Sc	82624.81	1.12	86579.71	95.4	70 -	120	
45 Sc	3395678.50	0.30	3425529.80	99.1	70 -	120	
72 Ge	447362.00	0.45	448203.66	99.8	70 -	120	
72 Ge	38816.77	0.70	41092.22	94.5	70 -	120	
72 Ge	587885.31	0.46	586264.06	100.3	70 -	120	
115 In	3181213.80	0.55	3205732.00	99.2	70 -	120	
159 Tb	3109652.50	0.87	3039807.80	102.3	70 -	120	
165 Ho	2980109.30	0.55	2909201.80	102.4	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26r00.B\001CALB.D\001CALB.D#

11 :Element Failures   0 :Max. Number of Failures Allowed
0 :ISTD Failures   0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Pass

CCB QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26r00.B\003_CCB.D\003_CCB.D#
Date Acquired:	Jan 26 2011 05:28 pm
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 05:20 pm
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
7 (Li)	--------	ug/l	--------	#VALUE!	
9 Be	0.00	ug/l	125.23	0.12	
11 B	0.07	ug/l	11.43	15.00	
23 Na	-2.98	ug/l	163.47	77.10	
24 Mg	0.38	ug/l	151.45	7.50	
27 Al	0.05	ug/l	234.72	3.96	
39 K	1.06	ug/l	277.15	19.20	
44 Ca	3.11	ug/l	82.90	90.00	
47 Ti	0.03	ug/l	187.62	0.78	
51 V	-0.01	ug/l	85.05	0.21	
52 Cr	0.02	ug/l	88.34	0.12	
55 Mn	0.04	ug/l	169.47	0.18	
56 Fe	0.04	ug/l	183.98	40.80	
59 Co	0.01	ug/l	46.14	0.09	
60 Ni	0.01	ug/l	210.83	0.48	
63 Cu	0.04	ug/l	22.42	0.39	
65 Cu	0.03	ug/l	25.31	0.39	
66 Zn	-0.03	ug/l	134.55	6.90	
75 As	0.04	ug/l	50.56	0.27	
78 Se	0.11	ug/l	16.01	0.30	
78 Se	0.07	ug/l	135.21	0.30	
88 Sr	0.01	ug/l	192.71	0.03	
88 Sr	0.02	ug/l	41.33	0.03	
95 Mo	0.22	ug/l	9.17	0.21	Fail
106 (Cd)	--------	ug/l	--------	#VALUE!	
107 Ag	-0.23	ug/l	3.43	0.09	
108 (Cd)	--------	ug/l	--------	#VALUE!	
111 Cd	0.01	ug/l	43.46	0.06	
118 Sn	0.14	ug/l	195.52	0.30	
121 Sb	0.18	ug/l	7.46	0.03	Fail
137 Ba	0.02	ug/l	25.15	0.12	
205 Tl	0.04	ug/l	11.29	0.03	Fail
206 (Pb)	--------	ug/l	--------	#VALUE!	
207 (Pb)	--------	ug/l	--------	#VALUE!	
208 Pb	0.01	ug/l	97.41	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	3074109.50	0.39	3059093.30	100.5	70 -	120	
45 Sc	2268998.00	0.49	2256319.50	100.6	70 -	120	
45 Sc	84382.70	5.52	86579.71	97.5	70 -	120	
45 Sc	3414172.00	0.57	3425529.80	99.7	70 -	120	
72 Ge	449649.72	0.13	448203.66	100.3	70 -	120	
72 Ge	40260.85	2.92	41092.22	98.0	70 -	120	
72 Ge	580987.06	0.18	586264.06	99.1	70 -	120	
115 In	3162984.00	0.84	3205732.00	98.7	70 -	120	
159 Tb	3017251.30	0.66	3039807.80	99.3	70 -	120	
165 Ho	2882605.00	0.89	2909201.80	99.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26r00.B\001CALB.D\001CALB.D#

3 :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\11A26r00.B\015_CCV.D\015_CCV.D#
Date Acquired:	Jan 26 2011 06:40 pm
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 05:20 pm
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	38.45 ug/l	0.78	50.00	90 - 110	Fail
11 B	36.80 ug/l	0.46	50.00	90 - 110	Fail
23 Na	1284.00 ug/l	3.17	1250.00	90 - 110	
24 Mg	2569.00 ug/l	1.75	2500.00	90 - 110	
27 Al	1134.00 ug/l	1.36	1000.00	90 - 110	Fail
39 K	1158.00 ug/l	1.38	1000.00	90 - 110	Fail
44 Ca	2854.00 ug/l	2.23	2500.00	90 - 110	Fail
47 Ti	51.78 ug/l	1.79	50.00	90 - 110	
51 V	49.20 ug/l	1.17	50.00	90 - 110	
52 Cr	47.02 ug/l	1.49	50.00	90 - 110	
55 Mn	53.22 ug/l	1.63	50.00	90 - 110	
56 Fe	1002.00 ug/l	1.62	1000.00	90 - 110	
59 Co	46.43 ug/l	1.03	50.00	90 - 110	
60 Ni	45.40 ug/l	1.42	50.00	90 - 110	
63 Cu	45.43 ug/l	2.31	50.00	90 - 110	
65 Cu	45.60 ug/l	2.10	50.00	90 - 110	
66 Zn	50.69 ug/l	1.97	50.00	90 - 110	
75 As	52.08 ug/l	2.35	50.00	90 - 110	
78 Se	49.82 ug/l	12.31	50.00	90 - 110	
78 Se	57.28 ug/l	1.86	50.00	90 - 110	Fail
88 Sr	58.84 ug/l	1.26	50.00	90 - 110	Fail
88 Sr	54.52 ug/l	1.19	50.00	90 - 110	
95 Mo	51.12 ug/l	0.58	50.00	90 - 110	
106 (Cd)	-------- ug/l	--------	50.00	90 - 110	
107 Ag	25.30 ug/l	0.64	25.00	90 - 110	
108 (Cd)	-------- ug/l	--------	50.00	90 - 110	
111 Cd	49.47 ug/l	0.18	50.00	90 - 110	
118 Sn	48.59 ug/l	0.19	50.00	90 - 110	
121 Sb	47.97 ug/l	0.07	50.00	90 - 110	
137 Ba	53.47 ug/l	0.12	50.00	90 - 110	
205 Tl	46.12 ug/l	0.70	50.00	90 - 110	
206 (Pb)	-------- ug/l	--------	50.00	90 - 110	
207 (Pb)	-------- ug/l	--------	50.00	90 - 110	
208 Pb	48.77 ug/l	0.77	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	2965217.50	0.95	3059093.30	96.9	70 - 120	
45 Sc	2111898.00	12.96	2256319.50	93.6	70 - 120	
45 Sc	77233.46	2.05	86579.71	89.2	70 - 120	
45 Sc	3271186.00	0.20	3425529.80	95.5	70 - 120	
72 Ge	425047.75	10.17	448203.66	94.8	70 - 120	
72 Ge	36366.75	2.59	41092.22	88.5	70 - 120	
72 Ge	567959.31	0.13	586264.06	96.9	70 - 120	
115 In	3038490.30	0.52	3205732.00	94.8	70 - 120	
159 Tb	2932013.50	0.56	3039807.80	96.5	70 - 120	
165 Ho	2799805.80	0.28	2909201.80	96.2	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26r00.B\001CALB.D\001CALB.D#

7 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
ISTD: Pass

CCB QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26r00.B\016_CCB.D\016_CCB.D#
Date Acquired:	Jan 26 2011 06:46 pm
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 05:20 pm
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	#VALUE!	
9 Be	0.00 ug/l	91.38	0.12	
11 B	0.18 ug/l	92.95	15.00	
23 Na	-2.18 ug/l	76.34	77.10	
24 Mg	1.12 ug/l	59.83	7.50	
27 Al	0.14 ug/l	91.97	3.96	
39 K	2.71 ug/l	35.11	19.20	
44 Ca	8.72 ug/l	26.08	90.00	
47 Ti	0.00 ug/l	1238.10	0.78	
51 V	0.01 ug/l	128.21	0.21	
52 Cr	0.01 ug/l	19.20	0.12	
55 Mn	0.20 ug/l	19.46	0.18	Fail
56 Fe	0.01 ug/l	775.07	40.80	
59 Co	0.01 ug/l	80.83	0.09	
60 Ni	0.02 ug/l	36.61	0.48	
63 Cu	0.12 ug/l	13.18	0.39	
65 Cu	0.12 ug/l	11.26	0.39	
66 Zn	0.04 ug/l	33.58	6.90	
75 As	0.03 ug/l	36.23	0.27	
78 Se	0.09 ug/l	11.30	0.30	
78 Se	0.12 ug/l	10.61	0.30	
88 Sr	0.02 ug/l	164.79	0.03	
88 Sr	0.01 ug/l	25.10	0.03	
95 Mo	0.22 ug/l	2.52	0.21	Fail
106 (Cd)	-------- ug/l	--------	#VALUE!	
107 Ag	-0.32 ug/l	0.43	0.09	
108 (Cd)	-------- ug/l	--------	#VALUE!	
111 Cd	0.00 ug/l	2728.00	0.06	
118 Sn	0.05 ug/l	401.90	0.30	
121 Sb	0.15 ug/l	2.83	0.03	Fail
137 Ba	0.01 ug/l	62.11	0.12	
205 Tl	0.09 ug/l	11.01	0.03	Fail
206 (Pb)	-------- ug/l	--------	#VALUE!	
207 (Pb)	-------- ug/l	--------	#VALUE!	
208 Pb	-0.01 ug/l	228.28	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	2926390.30	0.29	3059093.30	95.7	70 - 120	
45 Sc	2066970.50	2.27	2256319.50	91.6	70 - 120	
45 Sc	81924.20	0.44	86579.71	94.6	70 - 120	
45 Sc	3305299.80	0.31	3425529.80	96.5	70 - 120	
72 Ge	417861.69	1.71	448203.66	93.2	70 - 120	
72 Ge	38538.23	0.37	41092.22	93.8	70 - 120	
72 Ge	560259.69	0.62	586264.06	95.6	70 - 120	
115 In	3008015.80	0.66	3205732.00	93.8	70 - 120	
159 Tb	2876469.30	0.54	3039807.80	94.6	70 - 120	
165 Ho	2733367.50	0.86	2909201.80	94.0	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26r00.B\001CALB.D\001CALB.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

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	01/26/11	01/26/11	#602D-110126A-AY30411

Metals SC-Blank-REG MDLs
Printed: 1/28/2011 4:32:31 PM

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26100.B\075SMPL.D\075SMPL.D#
Date Acquired:	Jan 26 2011 03:59 pm
Operator:	SDM
Sample Name:	110126A-3015-BLK
Misc Info:	110126A-3015
Vial Number:	3405
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.18	ug/l	-0.19	2.56	1000	
11 B	0.77	ug/l	0.86	52.65	1000	
23 Na	77.87	ug/l	86.51	0.91	25000	
24 Mg	4.32	ug/l	4.80	4.61	50000	
27 Al	26.75	ug/l	29.72	4.46	20000	
39 K	15.33	ug/l	17.03	4.38	20000	
44 Ca	146.30	ug/l	162.54	5.36	50000	
47 Ti	1.08	ug/l	1.20	19.46	1000	
51 V	0.03	ug/l	0.04	44.56	1000	
52 Cr	0.14	ug/l	0.15	7.47	1000	
55 Mn	5.00	ug/l	5.55	1.09	1000	
56 Fe	118.50	ug/l	131.65	0.45	20000	
59 Co	-0.12	ug/l	-0.14	1.18	1000	
60 Ni	0.66	ug/l	0.73	6.24	1000	
63 Cu	1.16	ug/l	1.29	2.40	1000	
65 Cu	1.19	ug/l	1.32	1.52	1000	
66 Zn	3.22	ug/l	3.57	3.90	1000	
75 As	0.02	ug/l	0.03	47.02	1000	
78 Se	0.00	ug/l	0.00	151.55	1000	
78 Se	0.14	ug/l	0.16	62.96	1000	
88 Sr	0.16	ug/l	0.18	22.34	1000	
88 Sr	0.14	ug/l	0.15	9.61	1000	
95 Mo	0.19	ug/l	0.22	14.11	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	0.00	ug/l	0.00	377.03	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	-0.01	ug/l	-0.01	215.83	1000	
118 Sn	2.03	ug/l	2.26	19.22	1000	
121 Sb	0.43	ug/l	0.47	21.32	1000	
137 Ba	0.25	ug/l	0.28	31.11	1000	
205 Tl	0.02	ug/l	0.02	87.40	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	-0.22	ug/l	-0.25	7.25	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3123558.30	10.75	5418296.00	57.6	70 - 120	IS Fai
45 Sc	2338420.00	0.78	3348937.80	69.8	70 - 120	IS Fai
45 Sc	87910.55	0.49	98302.68	89.4	70 - 120	
45 Sc	3514236.30	14.51	4430331.00	79.3	70 - 120	
72 Ge	439923.41	0.34	674953.19	65.2	70 - 120	IS Fai
72 Ge	39206.29	0.67	46572.09	84.2	70 - 120	
72 Ge	569486.19	12.54	720169.00	79.1	70 - 120	
115 In	3268677.30	15.91	3815386.50	85.7	70 - 120	
159 Tb	3206940.30	15.88	3825153.30	83.8	70 - 120	
165 Ho	3090574.50	15.81	3722287.30	83.0	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

0 :Element Failures　　0 :Max. Number of Failures Allowed
3 :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)	250	225	90.0	80-120	1/26/2011	1/26/2011	#602D-110126A-AY30411

Comments:

Printed: 1/28/2011 4:32:18 PM
APPL Standard LCS

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\076SMPL.D\076SMPL.D#
Date Acquired:	Jan 26 2011 04:06 pm
Operator:	SDM
Sample Name:	110126A-3015-LCS
Misc Info:	110126A-3015
Vial Number:	3406
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	27.32	ug/l	30.35	1.49	1000	
11 B	156.30	ug/l	173.65	1.41	1000	
23 Na	18450.00	ug/l	20497.95	0.69	25000	
24 Mg	19030.00	ug/l	21142.33	1.03	50000	
27 Al	1844.00	ug/l	2048.68	1.48	20000	
39 K	4700.00	ug/l	5221.70	1.89	20000	
44 Ca	21760.00	ug/l	24175.36	0.92	50000	
47 Ti	212.40	ug/l	235.98	1.10	1000	
51 V	192.80	ug/l	214.20	1.09	1000	
52 Cr	184.70	ug/l	205.20	0.85	1000	
55 Mn	209.50	ug/l	232.75	0.72	1000	
56 Fe	792.80	ug/l	880.80	0.98	20000	
59 Co	185.80	ug/l	206.42	0.53	1000	
60 Ni	166.20	ug/l	184.65	0.93	1000	
63 Cu	177.20	ug/l	196.87	2.27	1000	
65 Cu	176.90	ug/l	196.54	2.06	1000	
66 Zn	308.30	ug/l	342.52	2.04	1000	
75 As	175.70	ug/l	195.20	2.43	1000	
78 Se	154.10	ug/l	171.21	0.73	1000	
78 Se	174.70	ug/l	194.09	2.67	1000	
88 Sr	248.40	ug/l	275.97	1.70	1000	
88 Sr	229.40	ug/l	254.86	1.39	1000	
95 Mo	249.40	ug/l	277.08	1.31	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	83.60	ug/l	92.88	1.24	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	36.39	ug/l	40.43	1.23	1000	
118 Sn	211.50	ug/l	234.98	1.05	1000	
121 Sb	196.40	ug/l	218.20	0.75	1000	
137 Ba	217.70	ug/l	241.86	0.46	1000	
205 Tl	200.30	ug/l	222.53	0.59	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	202.40	ug/l	224.87	0.59	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	3077335.00	0.97	5418296.00	56.8	70 -	120	IS Fai
45 Sc	2294173.00	1.10	3348937.80	68.5	70 -	120	IS Fai
45 Sc	86811.23	1.41	98302.68	88.3	70 -	120	
45 Sc	3530650.80	1.22	4430331.00	79.7	70 -	120	
72 Ge	427392.97	0.17	674953.19	63.3	70 -	120	IS Fai
72 Ge	38198.84	2.40	46572.09	82.0	70 -	120	
72 Ge	565637.06	0.88	720169.00	78.5	70 -	120	
115 In	3192552.30	1.20	3815386.50	83.7	70 -	120	
159 Tb	3172698.00	1.03	3825153.30	82.9	70 -	120	
165 Ho	3052217.80	1.01	3722287.30	82.0	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
3 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Pass
ISTD: Fail

Matrix Spike Recoveries

METALS

APPL ID: **110126W-30411 MS - 151539**

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Sample ID: AY30411
Client ID: ES011

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	250	ND	221	222	88.4	88.8	0.5	20	80-120	1/26/2011	1/26/2011	1/26/2011	1/26/2011	151539	AY30411

412

Comments:

Printed: 1/28/2011 4:32:15 PM
APPL MSD SCII

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\079SMPL.D\079SMPL.D#
Date Acquired:	Jan 26 2011 04:23 pm
Operator:	SDM
Sample Name:	AY30411W23 MS
Misc Info:	110126A-3015
Vial Number:	3409
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	22.43	ug/l	24.92	0.52	1000	
11	B	182.70	ug/l	202.98	0.45	1000	
23	Na	67380.00	ug/l	74859.18	0.45	25000	>Cal
24	Mg	40830.00	ug/l	45362.13	0.32	50000	
27	Al	1835.00	ug/l	2038.69	0.44	20000	
39	K	7309.00	ug/l	8120.30	0.63	20000	
44	Ca	35030.00	ug/l	38918.33	0.22	50000	
47	Ti	215.10	ug/l	238.98	0.21	1000	
51	V	194.00	ug/l	215.53	0.56	1000	
52	Cr	184.70	ug/l	205.20	0.28	1000	
55	Mn	2004.00	ug/l	2226.44	0.86	1000	>Cal
56	Fe	2995.00	ug/l	3327.45	0.45	20000	
59	Co	185.20	ug/l	205.76	0.83	1000	
60	Ni	163.40	ug/l	181.54	1.07	1000	
63	Cu	179.60	ug/l	199.54	0.23	1000	
65	Cu	178.80	ug/l	198.65	0.47	1000	
66	Zn	318.40	ug/l	353.74	0.35	1000	
75	As	184.50	ug/l	204.98	0.59	1000	
78	Se	167.00	ug/l	185.54	0.23	1000	
78	Se	190.50	ug/l	211.65	0.37	1000	
88	Sr	377.30	ug/l	419.18	1.03	1000	
88	Sr	348.00	ug/l	386.63	0.97	1000	
95	Mo	251.00	ug/l	278.86	0.60	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	80.66	ug/l	89.61	0.95	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	35.80	ug/l	39.77	1.09	1000	
118	Sn	212.20	ug/l	235.75	0.78	1000	
121	Sb	196.20	ug/l	217.98	0.54	1000	
137	Ba	260.40	ug/l	289.30	1.10	1000	
205	Tl	196.80	ug/l	218.64	0.71	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	198.70	ug/l	220.76	0.66	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	2926816.50	0.45	5418296.00	54.0	70 -	120	IS Fai
45	Sc	2601245.50	0.55	3348937.80	77.7	70 -	120	
45	Sc	82272.86	1.32	98302.68	83.7	70 -	120	
45	Sc	4103057.30	0.54	4430331.00	92.6	70 -	120	
72	Ge	406723.34	0.52	674953.19	60.3	70 -	120	IS Fai
72	Ge	36037.40	0.66	46572.09	77.4	70 -	120	
72	Ge	546741.13	0.27	720169.00	75.9	70 -	120	
115	In	3087625.30	0.42	3815386.50	80.9	70 -	120	
159	Tb	3133308.80	0.39	3825153.30	81.9	70 -	120	
165	Ho	3051476.80	1.37	3722287.30	82.0	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
2 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:
Analytes: Fail
ISTD: Fail

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26100.B\080SMPL.D\080SMPL.D#
Date Acquired:	Jan 26 2011 04:29 pm
Operator:	SDM
Sample Name:	AY30411W23 MSD
Misc Info:	110126A-3015
Vial Number:	3410
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	22.56	ug/l	25.06	0.56	1000	
11	B	182.80	ug/l	203.09	1.59	1000	
23	Na	68150.00	ug/l	75714.65	2.30	25000	>Cal
24	Mg	41900.00	ug/l	46550.90	2.53	50000	
27	Al	1856.00	ug/l	2062.02	2.89	20000	
39	K	7396.00	ug/l	8216.96	1.95	20000	
44	Ca	35650.00	ug/l	39607.15	1.81	50000	
47	Ti	220.40	ug/l	244.86	2.55	1000	
51	V	200.10	ug/l	222.31	2.63	1000	
52	Cr	189.90	ug/l	210.98	2.45	1000	
55	Mn	2034.00	ug/l	2259.77	2.55	1000	>Cal
56	Fe	2802.00	ug/l	3113.02	2.80	20000	
59	Co	188.20	ug/l	209.09	2.44	1000	
60	Ni	167.40	ug/l	185.98	2.92	1000	
63	Cu	178.80	ug/l	198.65	2.18	1000	
65	Cu	177.40	ug/l	197.09	2.47	1000	
66	Zn	311.30	ug/l	345.85	2.29	1000	
75	As	185.10	ug/l	205.65	1.97	1000	
78	Se	163.20	ug/l	181.32	0.59	1000	
78	Se	186.10	ug/l	206.76	2.25	1000	
88	Sr	380.90	ug/l	423.18	2.24	1000	
88	Sr	350.90	ug/l	389.85	0.34	1000	
95	Mo	253.60	ug/l	281.75	0.10	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	80.94	ug/l	89.92	1.32	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	36.12	ug/l	40.13	1.70	1000	
118	Sn	227.50	ug/l	252.75	1.54	1000	
121	Sb	202.00	ug/l	224.42	1.37	1000	
137	Ba	262.50	ug/l	291.64	1.54	1000	
205	Tl	197.70	ug/l	219.64	0.26	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	199.60	ug/l	221.76	0.59	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	2908120.80	1.12	5418296.00	53.7	70 -	120	IS Fai
45	Sc	2620853.50	0.62	3348937.80	78.3	70 -	120	
45	Sc	80693.56	2.27	98302.68	82.1	70 -	120	
45	Sc	4090871.00	0.40	4430331.00	92.3	70 -	120	
72	Ge	410274.53	0.64	674953.19	60.8	70 -	120	IS Fai
72	Ge	35945.66	2.12	46572.09	77.2	70 -	120	
72	Ge	545148.81	0.50	720169.00	75.7	70 -	120	
115	In	3085804.50	1.34	3815386.50	80.9	70 -	120	
159	Tb	3140236.00	0.58	3825153.30	82.1	70 -	120	
165	Ho	3038580.00	0.31	3722287.30	81.6	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26100.B\004CALB.D\004CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
2 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

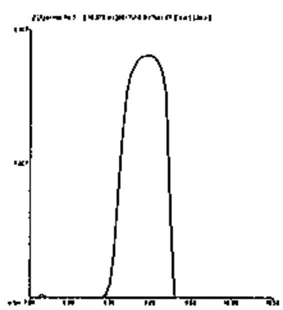
Data Results:
Analytes: Fail
ISTD: Fail

200.8 QC Tune Report

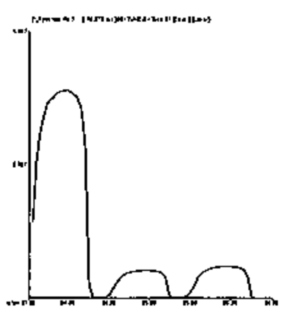
Data File: C:\ICPCHEM\1\DATA\11A26i00.B\001TUNE.D
Date Acquired: Jan 26 2011 08:43 am
Acq. Method: TN200_8.M
Operator: SDM
Sample Name: 100ppb tune sol
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\TN200_8.M

RSD (%)

Element	CPS Mean	Rep1	Rep2	Rep3	Rep4	Rep5	%RSD	Required	Flag
9 Be	109754392	########	########	########	########	########	0.88	5.00	
24 Mg	239439920	########	########	########	########	########	1.73	5.00	
59 Co	245477254	########	########	########	########	########	2.20	5.00	
115 In	230705914	########	########	########	########	########	2.48	5.00	
208 Pb	70460355	69377984	70544920	70645112	71102952	70630808	1.05	5.00	



9 Be
Mass Calib.
Actual: 8.95
Required:8.90 - 9.10
Flag:
Peak Width
Actual: 0.70
Required:0.90
Flag:



24 Mg
Mass Calib.
Actual: 23.95
Required:23.90 - 24.10
Flag:
Peak Width
Actual: 0.65
Required:0.80
Flag:

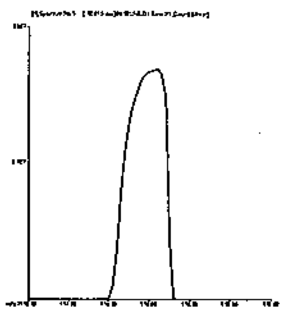
59 Co

Mass Calib.

Actual: 58.95
Required: 58.90 - 59.10
Flag:

Peak Width

Actual: 0.65
Required: 0.90
Flag:



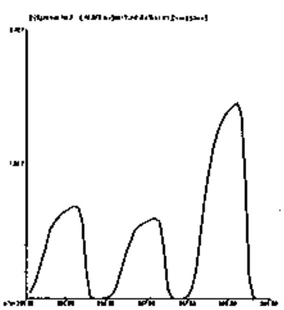
115 In

Mass Calib.

Actual: 115.05
Required: 114.90 - 115.10
Flag:

Peak Width

Actual: 0.65
Required: 0.90
Flag:



208 Pb

Mass Calib.

Actual: 208.05
Required: 207.90 - 208.10
Flag:

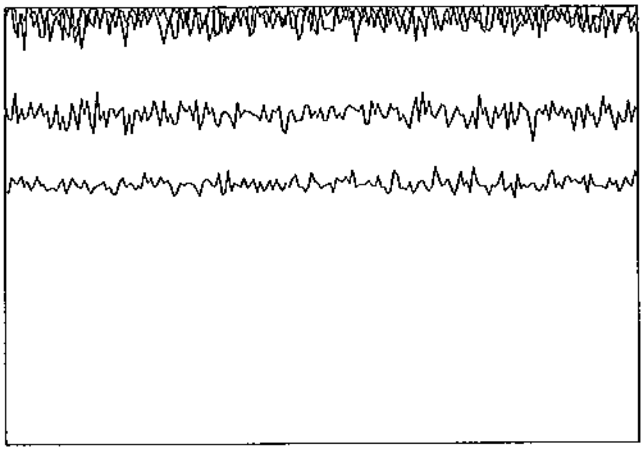
Peak Width

Actual: 0.60
Required: 0.80
Flag:

Tune Result: Pass

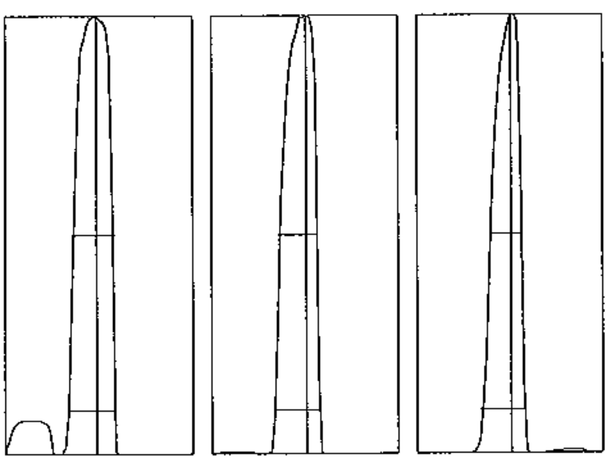
Tune Report

Tune File : nogas.u
Comment : 110126



Integration Time: 0.1000 sec
Sampling Period: 0.6200 sec
n: 200
Oxide: 156/140 1.213%
Doubly Charged: 70/140 2.251%

m/z	Range	Count	Mean	RSD%	Background
7	100,000	58734.0	59358.1	2.32	1.10
89	50,000	46847.0	48470.3	3.02	3.00
205	20,000	20300.0	19718.0	2.63	9.20
156/140	2	1.408%	1.214%	7.10	
70/140	5	1.852%	2.026%	6.56	
140	50,000	37800.0	37685.3	2.82	6.40



m/z:	7	89	205
Height:	59,361	48,525	20,085
Axis:	7.00	89.05	205.05
W-50%:	0.70	0.65	0.55
W-10%:	0.7500	0.7500	0.7500

Integration Time: 0.1000 sec
Acquisition Time: 22.7600 sec

Y axis : Linear

Generated : Jan 26, 2011 08:35:23
Printed : Jan 26, 2011 08:35:25

Tune Report

Tune File : nogas.u
Comment : 110126

Tuning Parameters

===Plasma Condition===

RF Power	:	1600 W
RF Matching	:	1.7 V
Smpl Depth	:	8 mm
Torch-H	:	0.1 mm
Torch-V	:	0.3 mm
Carrier Gas	:	1.02 L/min
Makeup Gas	:	0.1 L/min
Optional Gas	:	--- %
Nebulizer Pump	:	0.1 rps
Sample Pump	:	--- rps
S/C Temp	:	2 degC

===Ion Lenses===

Extract 1	:	0 V
Extract 2	:	-100 V
Omega Bias-ce	:	-22 V
Omega Lens-ce	:	-2.6 V
Cell Entrance	:	-30 V
QP Focus	:	5 V
Cell Exit	:	-30 V

===Octopole Parameters===

OctP RF	:	170 V
OctP Bias	:	-6 V

===Q-Pole Parameters===

AMU Gain	:	126
AMU Offset	:	127
Axis Gain	:	0.9997
Axis Offset	:	-0.02
QP Bias	:	-3 V

===Detector Parameters===

Discriminator	:	8 mV
Analog HV	:	1720 V
Pulse HV	:	980 V

===Reaction Cell===

Reaction Mode	:	OFF
H2 Gas	:	0 mL/min
He Gas	:	0 mL/min
Optional Gas	:	--- %

Generated : Jan 26, 2011 08:35:23
Printed : Jan 26, 2011 08:35:27

gy 01-24-11
6010B/6010C
(A)

STD 2 or CCV1 6010B/6010C/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1ML	CCV-A	ENVIRONMENTAL EXPRESS	1026453-27365	9/23/2011
1ML	CCV-B	ENVIRONMENTAL EXPRESS	1026454-27366	9/23/2011
1ML	CCV-C	ENVIRONMENTAL EXPRESS	1026455-27367	9/23/2011
Prepared in 200 ml 1%HNO3/5%HCl				
CCV2 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
0.75ML	CCV-A	ENVIRONMENTAL EXPRESS	1026453-27365	9/23/2011
0.75ML	CCV-B	ENVIRONMENTAL EXPRESS	1026454-27366	9/23/2011
0.75ML	CCV-C	ENVIRONMENTAL EXPRESS	1026455-27367	9/23/2011
Prepared in 200 ml 1%HNO3/5%HCl				
STD 3 or HDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1ML	CCV-A	ENVIRONMENTAL EXPRESS	1026453-27365	9/23/2011
1ML	CCV-B	ENVIRONMENTAL EXPRESS	1026454-27366	9/23/2011
1ML	CCV-C	ENVIRONMENTAL EXPRESS	1026455-27367	9/23/2011
Prepared in 100 ml 1%HNO3/5%HCl				
STD 1 or LDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1ML	6010 LDL	O2SI	1016292-25915	2/1/2011
Prepared in 100 ml 1%HNO3/5%HCl				
1%HNO3/5%HCL BLK				
AMOUNT	ACID	MANUFACTURER		EXP DATE
20 ML	HNO3	BDH	1110030	3/1/2011
100 ML	HCL	BDH	4110060	3/1/2011
Prepared in 2000ml DI H2O				
6010B/6010C ICSA		MANUFACTURER		EXP DATE
AMOUNT				
Stock Solution prepared on 07/26/10		See 07/26/10		3/24/2011
Prepared in 1000 ml 1%HNO3/5%HCl				
6010B/6010C ICSAB				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
ICSA Stock Solution prepared on 07/26/10		See 07/26/10		3/24/2011
1mL	INT	O2SI	1019502-26434	6/1/2011
Prepared in 100 ml of ICSA Stock Solution				
Date Prepared				
6010B/6010C ICV				EXP DATE
0.5ML	QCS ICV A	CPI	10C041-26305	9/9/2011
0.5ML	QCS ICV B	CPI	10C041-26306	9/9/2011
Prepared in 50ml 1%HNO3/5%HCl				

AM 1-24-11

SAH 1/24/11

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. in Std	Expires
50uL	1000 ug/mL	Li	CPI	10L079-27639	1ppm	6/10/2012
50uL	1000 ug/mL	In	CPI	08D228-25327	1ppm ~~5ppm~~	4/23/2011
50uL	1000 ug/mL	Ho	CPI	09F382-25328	1ppm	4/23/2011
50uL	1000 ug/mL	Tb	CPI	09A222-25326	1ppm	4/23/2011
50uL	1000 ug/mL	Sc	o2si	1017146-25135	1ppm	3/1/2011
50uL	1000 ug/mL	Ge	Environmental Express	0932416-25865	1ppm	7/13/2011

Prep: 1/24/2011 ~~AS~~ EDK 1/24/11 Prep in - 1%HNO3/1.0%HCL: Lot #1110030/4110060 in 50mL
Expires: 2/23/2011

6020/6020A
SDH 1/24/11
(A)

SAH 1/24/11

ICP-MS STANDARDS 6020/6020A/3015/3051A
Today's Date: 1/24/2011
Expires: 1/31/2011
Prep Date 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # 1110030
20mL HCL / 2000mL DI Water
Lot #4110060
Expires: 1/31/2011

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 1/24/2011

Standard 3 1/31/2011

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 1/24/2011

Standard 2 1/31/2011
Amount STD
500 uL Standard 4 1/24/2011
Prepared in 50 mL of 1% HNO3/1.0% HCL 1/24/2011

Standard 1 1/31/2011
Amount STD
50 uL Standard 4 1/24/2011
Prepared in 50 mL of 1% HNO3/1.0% HCL 1/24/2011

ICP-MS ICV 1/31/2011
Amount STD
50 uL QCS ICV A CPI 10C041-26305
50 uL QCS ICV B CPI 10C041-26306
Prepared in 50 mL of 1% HNO3/1.0% HCL 1/24/2011

ICSA Prep: 1/31/2011
1 mL ICSA CPI 10C184-27357
Prepared in 5 mL of 1% HNO3/1.0% HCL 1/24/2011

ICSAB Prep: 1/31/2011
1mL ICSA CPI 10C184-27357
0.025mL INT O2SI 1019502-26434
Prepared in 5 mL of 1% HNO3/1.0% HCL 1/24/2011

ICP-LDR 1/31/2011
Amount STD
50 uL CCV-A Env. Express 1036407-28139
50 uL CCV-B Env. Express 1036410-28140
50 uL CCV-C Env. Express 1100309-28141
Prepared in 10 mL of 1% HNO3/1.0% HCL 1/24/2011

Metals Digestion Worksheet

Method Name 3015 Digestion **Prep Method** M3015 **Set** 110126A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# 10L212-28076
Spiked ID 2	LCSW LOT# 10L211-28075
Spiked ID 3	
Spiked ID 4	
Spiked By	DP Date: 01/26/11 11:05:00 AM
Witnessed By	NM Date: 01/26/11 11:05:00 AM

Starting Temp:	
Ending Temp:	
Temperature Type:	Microwave
Sufficient Vol for Matrix QC:	
End Date/Time	

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	110126A Blk				45mL	50mL	01/26/11 11:05	
2	110126A LCS		450uL	1+2	45mL	50mL	01/26/11 11:05	
3	AY30410	AY30410W09			45mL	50mL	01/26/11 11:05	
4	AY30411	AY30411W22			45mL	50mL	01/26/11 11:05	
5	AY30411 MS	AY30411W23	450uL	1+2	45mL	50mL	01/26/11 11:05	
6	AY30411 MSD	AY30411W23	450uL	1+2	45mL	50mL	01/26/11 11:05	
7	AY30412	AY30412W09			45mL	50mL	01/26/11 11:05	
8	AY30413	AY30413W09			45mL	50mL	01/26/11 11:05	

Solvent and Lot#
HNO3 BDH 1110030 2795

Sample COC Transfer	
Sample prep employee Initials	dp
Analyst's initials	SDM
Date	1/26/11
Time	1700
Moved to	METALS

Technician's Initials	
Scanned By	dp
Sample Preparation	dp
Digestion	dp
Bring up to volume	dp
Modified	01/26/11 10:17:54 AM

Reviewed By: RBS **Date:** 1/26/11

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 2011	08:59	Calibration Blank		110126A	1.
2	26 Jan 2011	09:05	110124 Standard 1		110126A	1.
3	26 Jan 2011	09:11	110124 Standard 2		110126A	1.
4	26 Jan 2011	09:17	110124 Standard 3		110126A	1.
5	26 Jan 2011	09:23	110124 Standard 4		110126A	1.
6	26 Jan 2011	09:29	ICV 110124		110126A	1.
7	26 Jan 2011	09:41	ICB 110124		110126A	1.
9	26 Jan 2011	09:53	CCV 110124		110126A	1.
10	26 Jan 2011	10:05	CCB 110124		110126A	1.
11	26 Jan 2011	10:11	ICSA 110124		110126A	1.
12	26 Jan 2011	10:17	ICSAB 110124		110126A	1.
13	26 Jan 2011	10:23	LDR 110124		110126A	1.
14	26 Jan 2011	10:34	CCV 110124		110126A	1.
15	26 Jan 2011	10:40	CCB 110124		110126A	1.
66	26 Jan 2011	15:41	CCV 110124		110126A	1.
67	26 Jan 2011	15:47	CCB 110124		110126A	1.
69	26 Jan 2011	15:59	110126A-3015-BLK		110126A	1.
70	26 Jan 2011	16:06	110126A-3015-LCS		110126A	1.
71	26 Jan 2011	16:11	AY30410W09		110126A	1.
72	26 Jan 2011	16:17	AY30411W22		110126A	1.
73	26 Jan 2011	16:23	AY30411W23 MS		110126A	1.
74	26 Jan 2011	16:29	AY30411W23 MSD		110126A	1.
75	26 Jan 2011	16:35	AY30411W22-A		110126A	1.
76	26 Jan 2011	16:41	AY30412W09		110126A	1.
77	26 Jan 2011	16:47	AY30413W09		110126A	1.
79	26 Jan 2011	17:22	CCV 110124		110126A	1.
80	26 Jan 2011	17:28	CCB 110124		110126A	1.
81	26 Jan 2011	17:34	AY30411W22-1/5		110126A	5.
90	26 Jan 2011	18:40	CCV 110124		110126A	1.
91	26 Jan 2011	18:46	CCB 110124		110126A	1.

Laboratory Report

Environet

LTM Red Hill Bulk Fuel Storage Facility

ARF 63706

Samples collected: January 20 & 21, 2011

APPL, Inc.

63706 Environet HI.doc

Data Validation Package
for
LTM Red Hill Bulk Fuel Storage Facility
ARF 63706
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

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

Case Narrative

ARF: 63706

Project: LTM Red Hill Bulk Fuel Storage Facility

State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

DoD-ELAP Certificate number: ADE-1410

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.

Sample Receipt Information:

The sample group was received on January 22, 2011, at 3.0°C, 3.0°C, and 3.0°C. The sample group was assigned Analytical Request Form (ARF) number 63706. The sample numbers and requested analyses were compared to the chain of custody. No exception was encountered.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
ES015	AY30575	WATER	01/20/11	01/22/11
ES014	AY30576	WATER	01/20/11	01/22/11
ES016	AY30577	WATER	01/21/11	01/22/11
ES017	AY30578	WATER	01/21/11	01/22/11
ES018	AY30579	WATER	01/21/11	01/22/11
TRIP BLANK	AY30580	WATER	08/08/88	01/22/11

All samples were screened for J-value responses between the LOQ and DL.

EPA Method 8015B

Total Petroleum Hydrocarbons – Diesel

Sample Preparation:

The water samples were extracted according to EPA method 3510C. The sample was 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.

Sample ES017 was designated by the client for MS/MSD analysis. All acceptance criteria were met,

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.

Sample ES017 was designated by the client for MS/MSD analysis. For the MS, Anthracene recovered below the 55% lower control limit at 51.2% and Benzo(a)anthracene below the 55% lower control limit at 51.0%. All other recoveries met acceptance criteria.

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 other problem was encountered.

EPA Method 8260B

Volatile Organic Analysis

Sample Preparation:

The water samples were purged according to EPA method 5030B. 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. Manual integrations were performed in accordance to APPL's SOP. Chromatograms of prior to and after manual integrations are enclosed.

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. In second source and CCV (file ID: 0126S38), Methylene chloride recovered above the 120% upper control limit at 126%. However, Methylene chloride was not detected in associated samples. All other calibration criteria were met.

Blanks:

In the 110126AS method blank, 1,2-Dichlorobenzene and 1,4-Dichlorobenzene were detected above one-half the 1.0ug/L reporting limit at 0.54ug/L and 0.58ug/L, respectively. Neither analyte was detected in associated samples

Spikes:

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

Sample ES017 was designated by the client for MS/MSD analysis. Four analytes recovered outside their control limits: 1,1,2,2-Tetrachloroethane below 65% at 7.2% and 7.6%, Benzene above 120% at 124% in the MS, Gasoline above 125% at 165% in the MSD with a 44.6% RPD, and Trichloroethene above 125% at 215% and 211%. All other spike recoveries were acceptable.

Surrogates

Surrogate recoveries are summarized on the 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

Metals

Digestion Information:

The water samples were digested according to EPA methods 3015. 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 dilution test were used for quality assurance. All LCS recoveries were within the acceptance limits.

Sample ES017 was designated by the client for MS/MSD analysis. All MS/MSD, PDS and serial dilution test acceptance criteria were met.

Summary:

No analytical exception is noted.

CERTIFICATION

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. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

2/25/14

Leonard Fong, Ph.D., Laboratory Director / Date

CHAIN OF CUSTODY

AND ARF

Initials _____ Date _________

APPL Sample Receipt Form

ARF# **63706**

Sample	Container Type	Count	pH
AY30575	6 PL 500mL - HNO3	1	1.7
	13 VOAs - HCL	4	NA
	17 Amber Liter	3	NA
AY30576	6 PL 500mL - HNO3	1	1.7
	13 VOAs - HCL	4	NA
	17 Amber Liter	4	NA
AY30577	6 PL 500mL - HNO3	1	1.7
	13 VOAs - HCL	4	NA
	17 Amber Liter	3	NA
AY30578	6 PL 500mL - HNO3	3	1.7
	13 VOAs - HCL	10	NA
	17 Amber Liter	9	NA
AY30579	6 PL 500mL - HNO3	1	1.7
	13 VOAs - HCL	4	NA
	17 Amber Liter	3	NA
AY30580	13 VOAs - HCL	4	NA

Sample	Container Type	Count	pH

APPL - Analysis Request Form 63706

Client: Environet, Inc.	Received by: TBV
Address: 650 Iwilei Rd, #204	Date Received: 01/22/11 Time: 12:00
Honolulu, HI 96817	Delivered by: FED EX
Attn: Vilma Dupra	Shuttle Custody Seals (Y/N): Y
Phone: 808-833-2225 Fax: 808-833-2231	Chest Temp(s): 3.0,3.0,3.0°C
Job: LTM Red Hill Bulk Fuel Storage Facility	Color: VOA,B-RED,O-ORGN
PO #: 1022-015	Samples Chilled until Placed in Refrig/Freezer: Y
Chain of Custody (Y/N): Y # 33670	Project Manager: Cynthia Clark
RAD Screen (Y/N): Y pH (Y/N): Y	QC Report Type: DVP4/ADRDOD/HI VF
Turn Around Type: 2 WEEKS	Due Date: 02/05/11

Comments:

14 day TAT for Form 1s & 30 day TAT for full package. VDupra@environetinc.com
1 hard copy to Environet, 1 hard copy to LDC
Guidance: DOD QSM, EDD: Exce & ADR
DoD Forms, J flag to DL, U flag at LOD VF
metals 6020: report Lead with 0.5ug/L RL
TPH-Diesel only
VOCs: include gasoline by 8260B

Sample Distribution:	Charges:	Invoice To:
GC: 5-$SIMHC12W, 5-$TPETD2		ENVIRONET INC.
Extractions: 5-_SEP004S, 5-_SEP011		Celcila Adams
VOA: 6-$86RHBF		650 Iwilei Rd. Suite 204
Metals: 5-$602D(Pb)		Honolulu, HI 96817
Other: 5-_M3015		

	Client ID		APPL ID	Sampled		Analyses Requested
1.	ES015		AY30575W	01/20/11	13:05	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2
2.	ES014		AY30576W	01/20/11	10:03	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2
3.	ES016		AY30577W	01/21/11	12:15	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2
4.	ES017	MS/MSD	AY30578W	01/21/11	11:00	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2
5.	ES018		AY30579W	01/21/11	08:30	$602D(Pb), $86RHBF, $SIMHC12W, $TPETD2
6.	TRIP BLANK		AY30580W	NA	00:00	$86RHBF

APPL LABS

CHAIN OF CUSTODY RECORD

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611
Phone: (559) 275-2175
Fax: (559) 275-4422

C.O.C. 33670

Report to: PLEASE PRINT	Invoice to: PLEASE PRINT
Company Name: Environet Inc Phone: (808) 833-2225	Company Name: Environet Inc Phone: 808 833 2225
Address: 650 Iwilei Rd. Suite 204 Honolulu, Hi 96817 Fax:	Address: 650 Iwilei Rd. Suite 204 Honolulu, Hi 96817 Fax:
Attn: Stacey Fineran	Attn: Cecilia Adams

Project Name/Number: Red Hill LTM/1022-015
Sampler (Print): Stacey Fineran
Purchase Order Number:
Sampler (Signature): Stacy A. F.

Date Shipped:
Carrier:
Waybill No.:
Comments:

Analysis Requested/Method Number

Sample Identification	Location	Date Collected	Time Collected	No. of Containers	Aq	Sed.	Soil	VOCs	TPH-G	PAH	TPH-D	Dissolved metals Pb							
ES015	RHSF LTM	1/20/11	1305	8	X			X	X	X	X	X							
ES014	RHSF LTM	1/20/11	1003	9	X			X	X	X	X	X							
ES016	RHSF LTM	1/21/11	1215	8	X			X	X	X	X	X							
ES017 MS/MSD	RHSF LTM	1/21/11	1100	22 MRS	X			X	X	X	X	X							
ES018	RHSF LTM	1/21/11	0830	8	X			X	X	X	X	X							
trip blank	RHSF LTM	N/A	N/A	4	X			X											

Shuttle 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:
Relinquished by:	Date	Time	Received by:	Relinquished by:	Date 1/22/11	Time 1800	Received at lab by: [signature]

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

See reverse side for Container Preservative and Sampling Information

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COOLER RECEIPT FORM

1) Project: LTM Red Hill Bulk Fuel Storage Facility Date Received: 1/22/11

2) Coolers: Number of Coolers: ~~3.0~~ 3 1/22/11

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

4) YES NO Were custody seals on outside of cooler? How many? 6 Date on seal? 1/21/11

5) Name on seal? See label below

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) 8704 9307 5656 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 wrapped wet & Blue 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) 3.0 2) 3.0°C 3) 3.0°C 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: Ay 30578 W05; W08-W09 ; Ay 30579 W02 ; Ay 30580 W02-W04

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 > 10?

Lab notified if pH was not adequate:

Deficiencies:

Signature of personnel receiving samples: [signature] Second reviewer: [signature]

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):

CUSTODY SEAL
APPL, Inc. (559) 275-2175
Initials SF Date 1/21/11

EPA 8015 Modified
Total Petroleum Hydrocarbons

EPA 8015 Modified
Total Petroleum Hydrocarbons
QC Summary

Method Blank
TPH Diesel Water

Blank Name/QCG: **110127W-30578 - 152149**
Batch ID: #TPETD-110127A

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	1/27/2011	2/17/2011
BLANK	SURROGATE: OCTACOSANE (S)	75.6	28-142			%	1/27/2011	2/17/2011
BLANK	SURROGATE: ORTHO-TERPHEN	86.6	57-132			%	1/27/2011	2/17/2011

Quant Method: TPHD0212.M
Run #: 216042
Instrument: Apollo
Sequence: 110216
Initials: LA

GC SC-Blank-REG MDLs
Printed: 2/17/2011 4:17:55 PM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc.
Case No: 63706
Matrix: WATER

SDG No: 63706
Date Analyzed: 2/15/2011
Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)	SURROGATE: ORTHO-TERPHENYL (S)
AY30577	ES016	50.6	60.5
AY30578-MS	Matrix Spike	46.8	64.1
AY30578-MSD	Matrix SpikeD	46.5	60.6
110127A-LCS	Lab Control Spike	45.1	59.9
AY30576	ES014	53.7	61.2
AY30579	ES018	50.1	57.8
AY30575	ES015	119	102
AY30578	ES017	121	104
110127A-BLK	Blank	75.6	86.6

Comments: Batch: #TPETD-110127A

Laboratory Control Spike Recovery
TPH Diesel Water

APPL ID: **110127W-30578 LCS - 152149**
Batch ID: #TPETD-110127A

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	1240	62.0	61-143
SURROGATE: OCTACOSANE (S)	149	67.2	45.1	28-142
SURROGATE: ORTHO-TERPHENYL (S)	107	64.1	59.9	57-132

Comments: ______________________________

Primary	SPK
Quant Method :	TPHD0212.M
Extraction Date :	1/27/2011
Analysis Date :	2/15/2011
Instrument :	Apollo
Run :	213075
Initials :	LA

Printed: 2/17/2011 4:17:45 PM

APPL Standard LCS

Matrix Spike Recoveries
TPH Diesel Water

APPL ID: **110127W-30578 MS - 152149**
Batch ID: #TPETD-110127A
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL FUEL	2000	ND	1430	1270	71.5	63.5	61-143	11.9	30
SURROGATE: OCTACOSANE (S)	149	NA	69.7	69.3	46.8	46.5	28-142		
SURROGATE: ORTHO-TERPHENYL (S)	107	NA	68.6	64.8	64.1	60.6	57-132		

Comments:

Primary	SPK	DUP
Quant Method :	TPHD0212.M	TPHD0212.M
Extraction Date :	1/27/2011	1/27/2011
Analysis Date :	2/15/2011	2/15/2011
Instrument :	Apollo	Apollo
Run :	213071	213072
Initials :	LA	

Printed: 2/17/2011 4:17:41 PM
APPL MSD SCII

EPA 8015B-e

Form 4

Blank Summary

Lab Name: APPL, Inc.
SDG No: 63706
Case No: 63706
Date Analyzed: 2/17/2011
Matrix: WATER
Instrument: Apollo
Blank ID: 110127A-BLK
Time Analyzed: 1227

APPL ID.	Client Sample No.	File ID.	Date Analyzed
AY30577	ES016	213070	2/15/2011 1425
110127A-MS	Matrix Spike	213071	2/15/2011 1449
110127A-MSD	Matrix SpikeD	213072	2/15/2011 1513
110127A-LCS	Lab Control Spike	213075	2/15/2011 1625
AY30576	ES014	213090	2/15/2011 2227
AY30579	ES018	213092	2/15/2011 2315
AY30575	ES015	216004	2/16/2011 1540
AY30578	ES017	216006	2/16/2011 1647
110127A-BLK	Blank	216042	2/17/2011 1227

Comments: Batch: #TPETD-110127A

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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES015

APPL ID: AY30575

Sample Collection Date: 1/20/2011

QCG: #TPETD-110127A-152149

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	1/27/2011	2/16/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	119	28-142			%	1/27/2011	2/16/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	102	57-132			%	1/27/2011	2/16/2011

Quant Method:	TPHD0212.M
Run #:	216004
Instrument:	Apollo
Sequence:	110216
Dilution Factor:	1
Initials:	LA

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APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

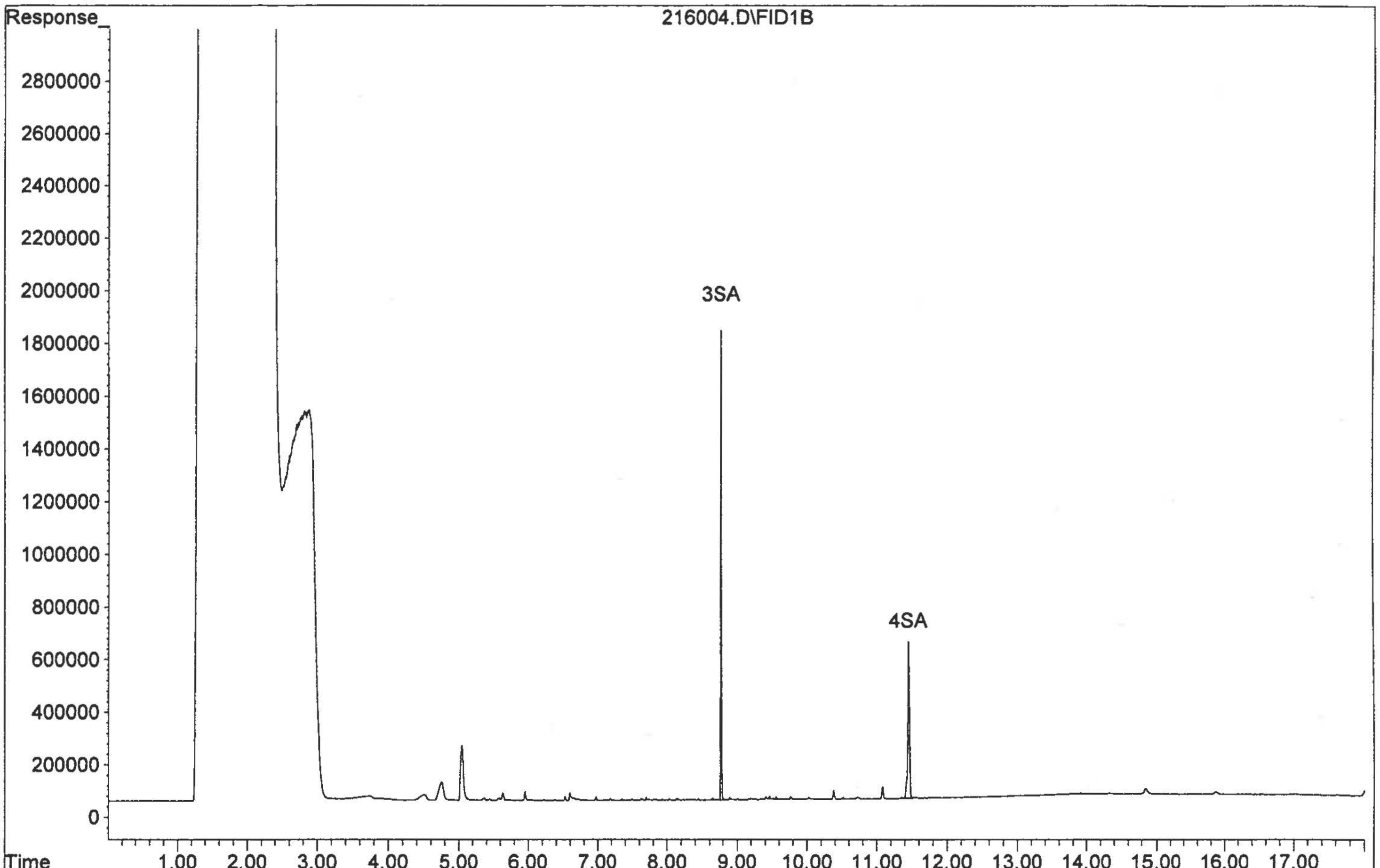
Data File : G:\APOLLO\DATA\110216\216004.D Vial: 4
Acq On : 2-16-11 15:40:16 Operator: LAC
Sample : AY30575W06 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Feb 17 16:05 2011 Quant Results File: TPHD0212.RES

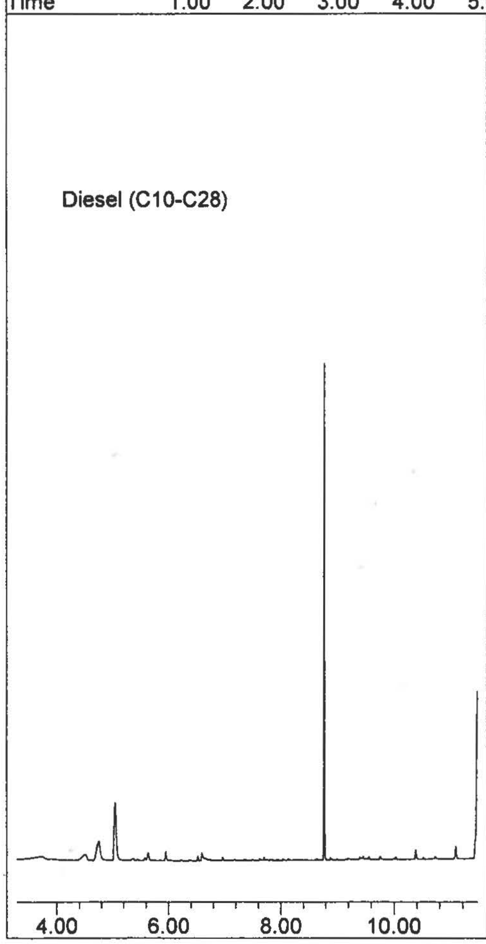
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

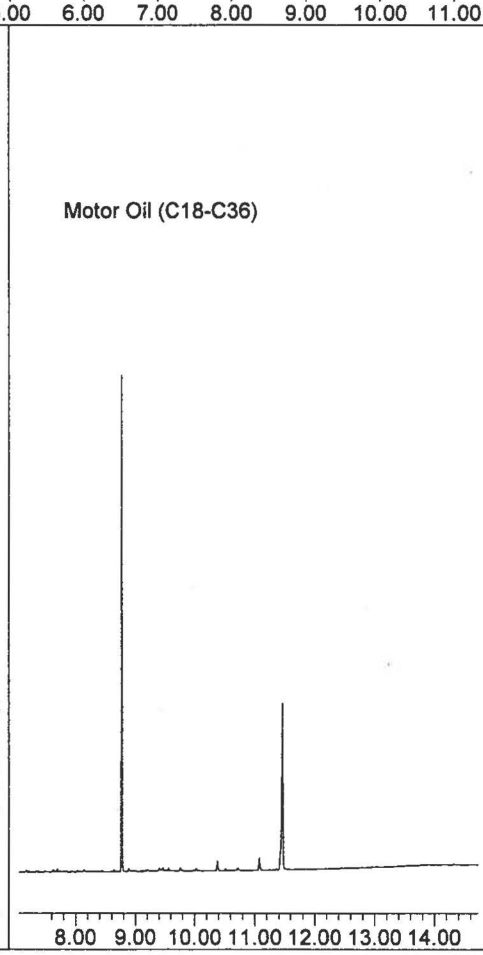
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	12618004	104.902 ppb
Surrogate Spike 103.332		Recovery =	101.52%
4) SA Octacosane(S)	11.46	9813119	169.550 ppb
Surrogate Spike 142.947		Recovery =	118.61%
Target Compounds			

Data File: G:\APOLLO\DATA\110216\216004.D
Sample : AY30575W06 5/1040







TPH Diesel Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES014

APPL ID: AY30576

Sample Collection Date: 1/20/2011

QCG: #TPETD-110127A-152149

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	1/27/2011	2/15/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	53.7	28-142			%	1/27/2011	2/15/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	61.2	57-132			%	1/27/2011	2/15/2011

Quant Method: TPHD0212.M
Run #: 213090
Instrument: Apollo
Sequence: 110213
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 4:17:50 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\110213\213090.D Vial: 90
Acq On : 2-15-11 22:27:43 Operator: LAC
Sample : AY30576W08 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Feb 17 16:25 2011 Quant Results File: TPHD0212.RES

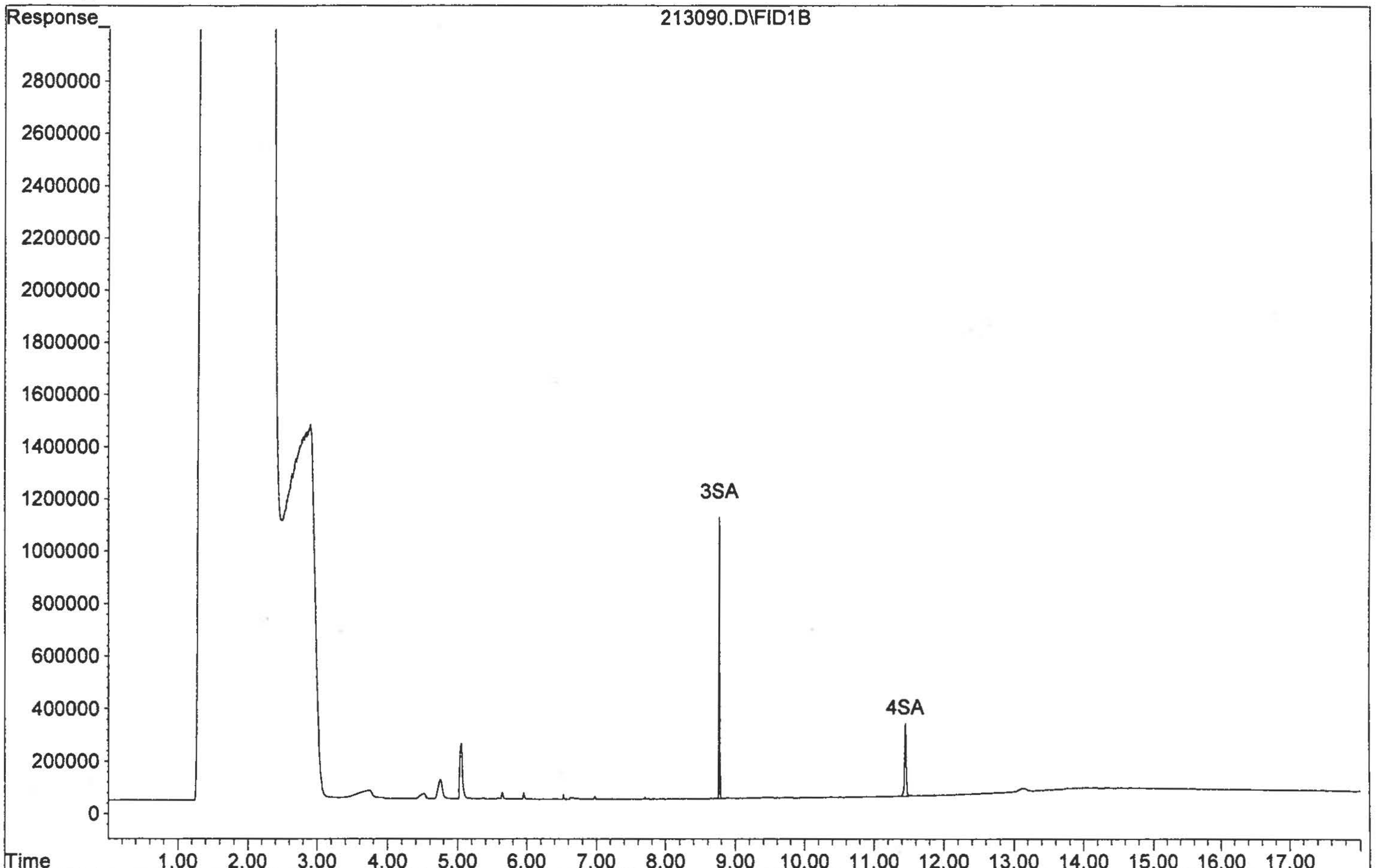
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

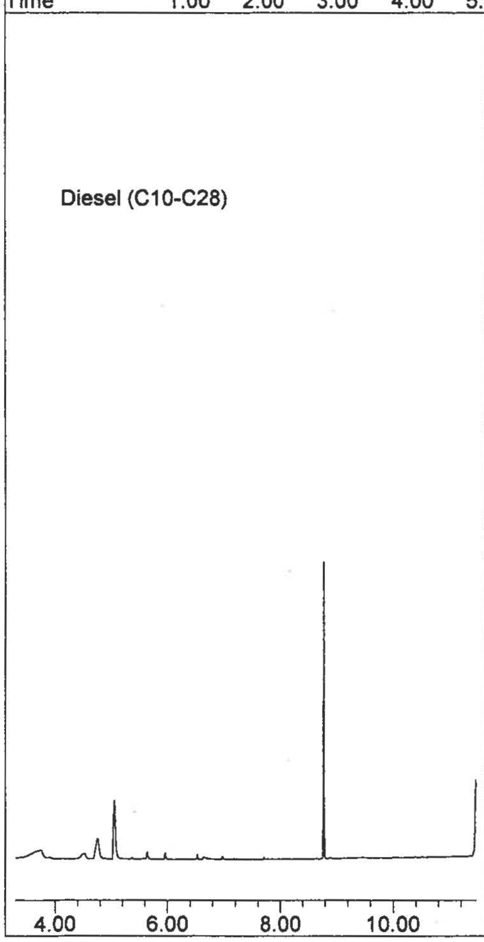
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

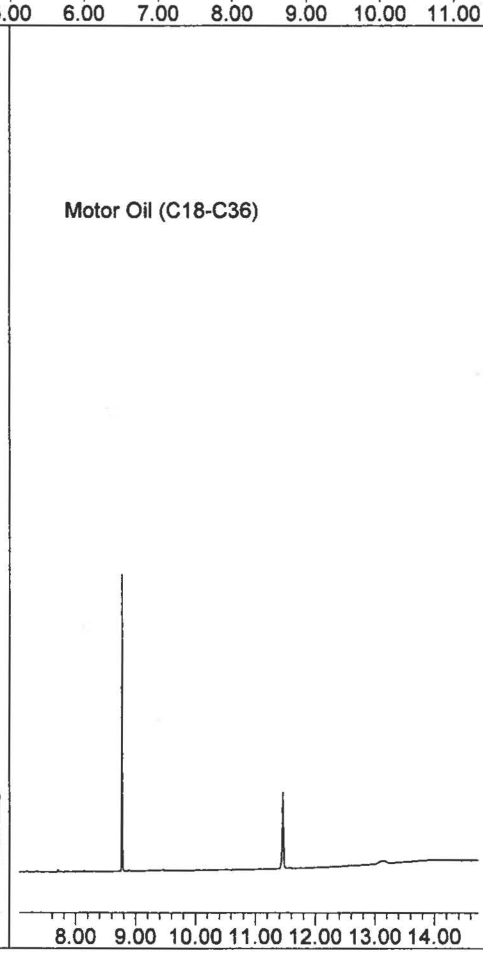
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	7602458	63.204 ppb
Surrogate Spike 103.332		Recovery =	61.17%
4) SA Octacosane(S)	11.46	4442687	76.760 ppb
Surrogate Spike 142.947		Recovery =	53.70%
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213090.D
Sample : AY30576W08 5/1040







TPH Diesel Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES016
Sample Collection Date: 1/21/2011

ARF: 63706
APPL ID: AY30577
QCG: #TPETD-110127A-152149

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	1/27/2011	2/15/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	50.6	28-142			%	1/27/2011	2/15/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	60.5	57-132			%	1/27/2011	2/15/2011

Quant Method: TPHD0212.M
Run #: 213070
Instrument: Apollo
Sequence: 110213
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 4:17:50 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\110213\213070.D Vial: 70
Acq On : 2-15-11 14:25:48 Operator: LAC
Sample : AY30577W06 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Feb 17 16:23 2011 Quant Results File: TPHD0212.RES

Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

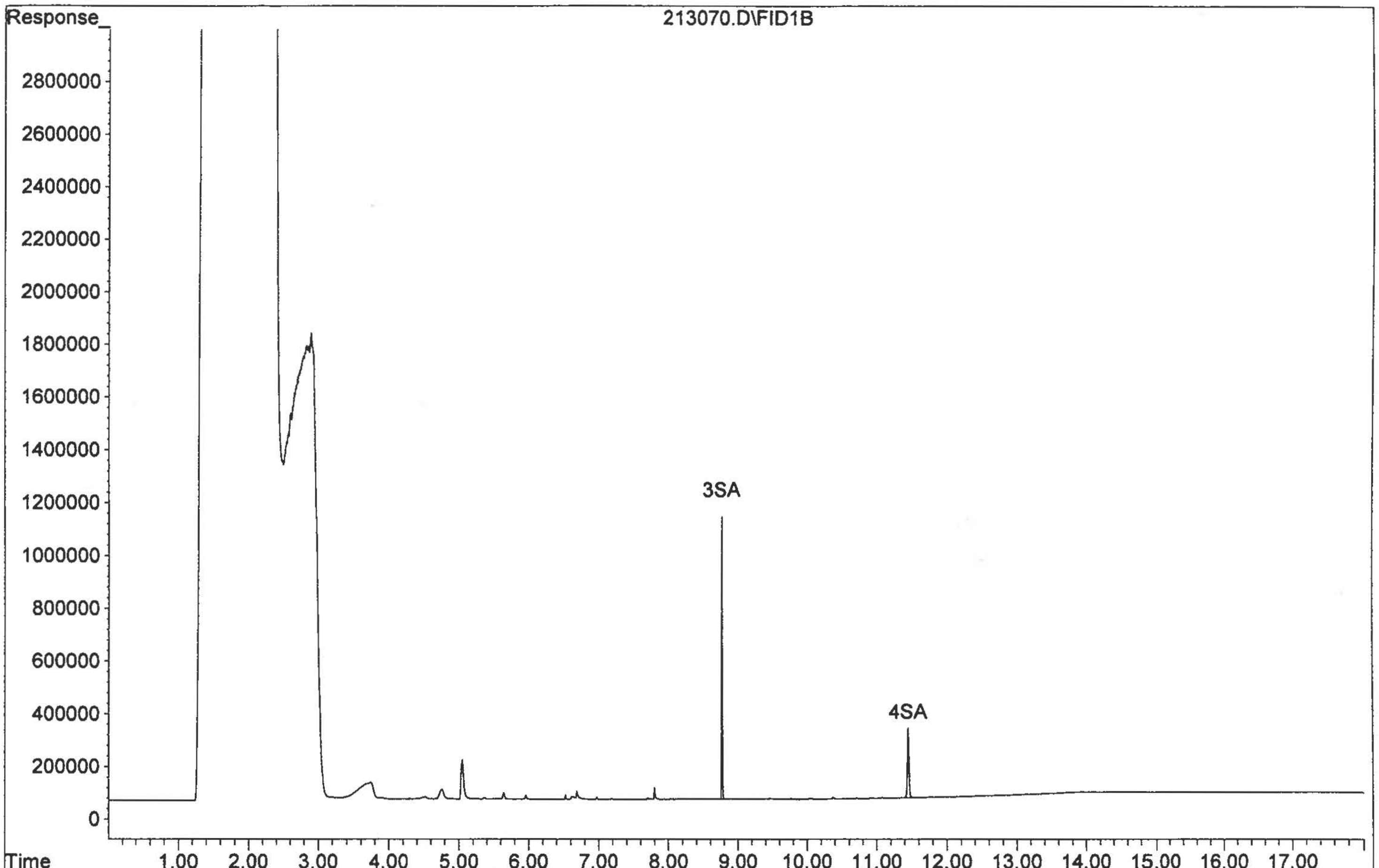
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

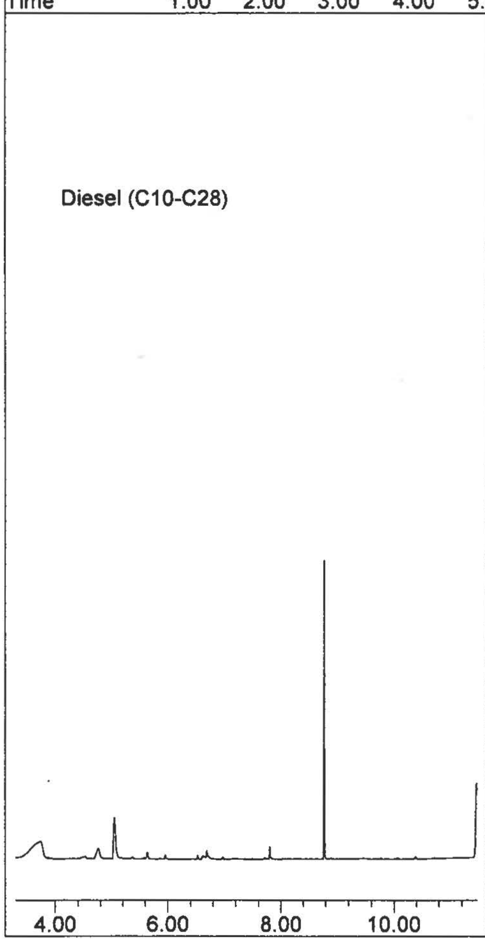
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	7513207	62.462 ppb
Surrogate Spike 103.332		Recovery =	60.45%
4) SA Octacosane(S)	11.46	4182705	72.268 ppb
Surrogate Spike 142.947		Recovery =	50.56%
Target Compounds			

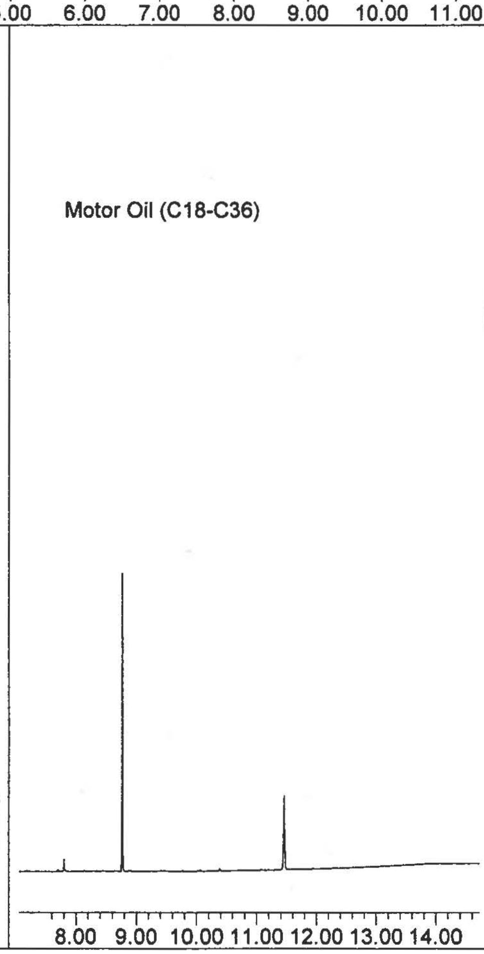
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213070.D
Sample : AY30577W06 5/1040







TPH Diesel Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES017
Sample Collection Date: 1/21/2011

ARF: 63706
APPL ID: AY30578
QCG: #TPETD-110127A-152149

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	1/27/2011	2/16/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	121	28-142			%	1/27/2011	2/16/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	104	57-132			%	1/27/2011	2/16/2011

Quant Method: TPHD0212.M
Run #: 216006
Instrument: Apollo
Sequence: 110216
Dilution Factor: 1
Initials: LA

Printed: 2/17/2011 4:17:50 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

```
Data File : G:\APOLLO\DATA\110216\216006.D              Vial: 6
Acq On    : 2-16-11 16:47:58                        Operator: LAC
Sample    : AY30578W17 5/990                        Inst    : Apollo
Misc      : Water                                   Multiplr: 5.05
IntFile   : events.e
Quant Time: Feb 17 16:06 2011  Quant Results File: TPHD0212.RES

Method       : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title        : Diesel
Last Update  : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

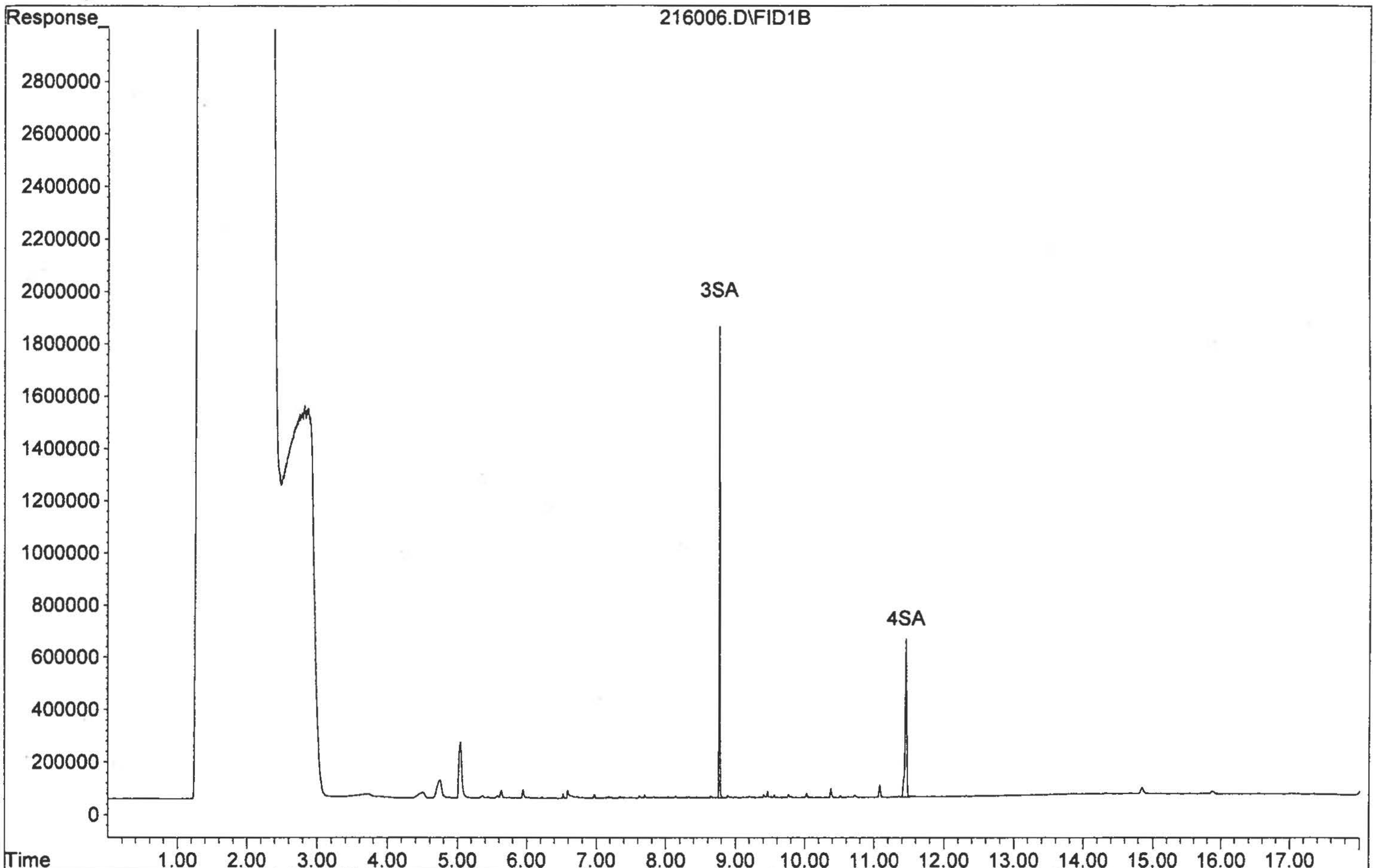
    Compound                       R.T.      Response    Conc Units
  ---------------------------------------------------------------------

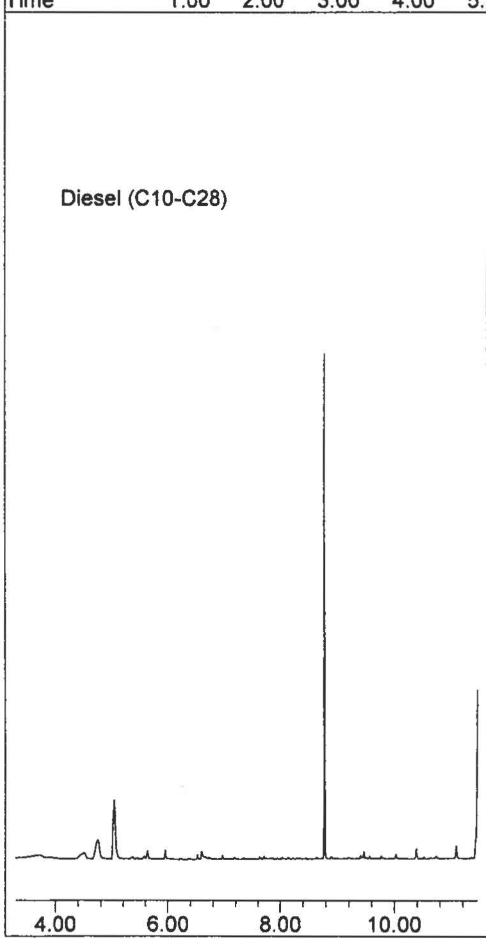
  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)          8.77      12926065  112.891 ppb
Surrogate Spike 108.551                   Recovery     =  104.00%
 4) SA  Octacosane(S)              11.46       9979932  181.142 ppb
Surrogate Spike 150.167                   Recovery     =  120.63%

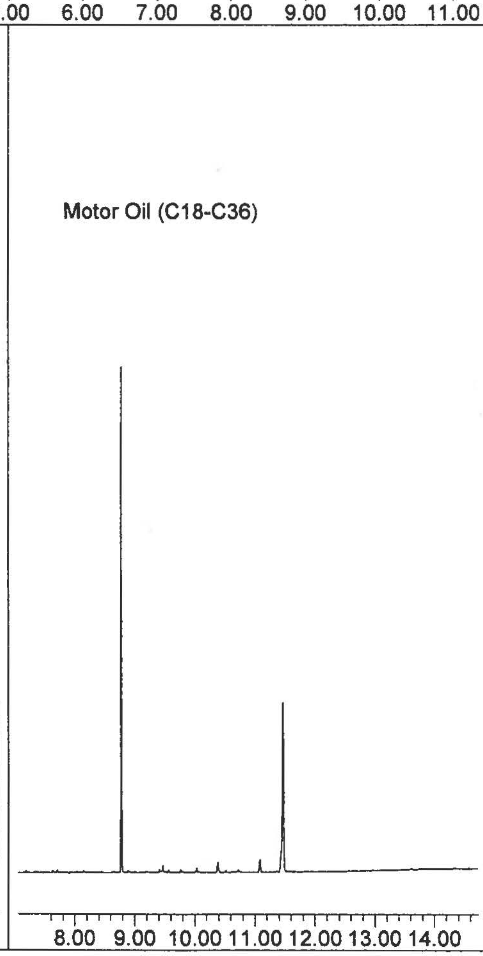
  Target Compounds
```

Quantitation Report

Data File: G:\APOLLO\DATA\110216\216006.D
Sample : AY30578W17 5/990







TPH Diesel Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

Sample ID: ES018

Sample Collection Date: 1/21/2011

ARF: 63706

APPL ID: AY30579

QCG: #TPETD-110127A-152149

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	1/27/2011	2/15/2011
EPA 8015B-	SURROGATE: OCTACOSANE (S)	50.1	28-142			%	1/27/2011	2/15/2011
EPA 8015B-	SURROGATE: ORTHO-TERPHENYL (S	57.8	57-132			%	1/27/2011	2/15/2011

Quant Method:	TPHD0212.M
Run #:	213092
Instrument:	Apollo
Sequence:	110213
Dilution Factor:	1
Initials:	LA

Printed: 2/17/2011 4:17:50 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

```
Data File : G:\APOLLO\DATA\110213\213092.D                  Vial: 92
Acq On    : 2-15-11 23:15:21                            Operator: LAC
Sample    : AY30579W06 5/1000                           Inst    : Apollo
Misc      : Water                                       Multiplr: 5.00
IntFile   : events.e
Quant Time: Feb 17 15:56 2011  Quant Results File: TPHD0212.RES

Method       : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title        : Diesel
Last Update  : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

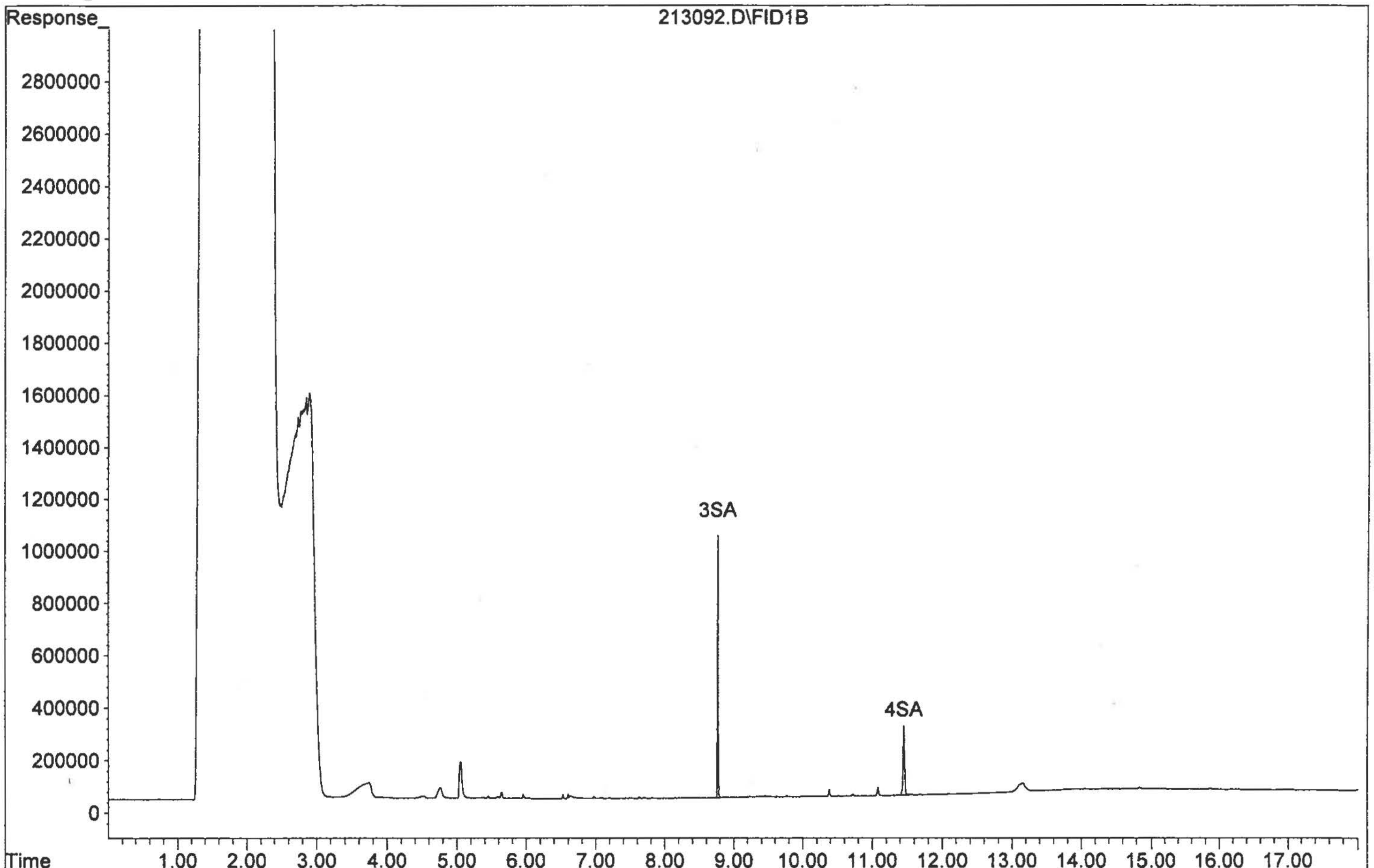
    Compound                         R.T.      Response    Conc Units
  ---------------------------------------------------------------------

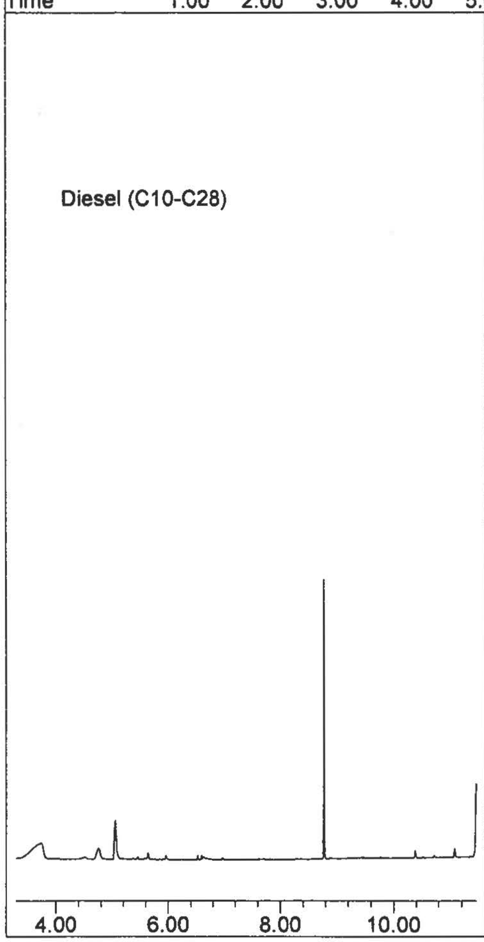
  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)           8.77        7187470   62.145 ppb
Surrogate Spike 107.465                    Recovery      =   57.83%
 4) SA  Octacosane(S)               11.46        4143119   74.448 ppb
Surrogate Spike 148.665                    Recovery      =   50.08%

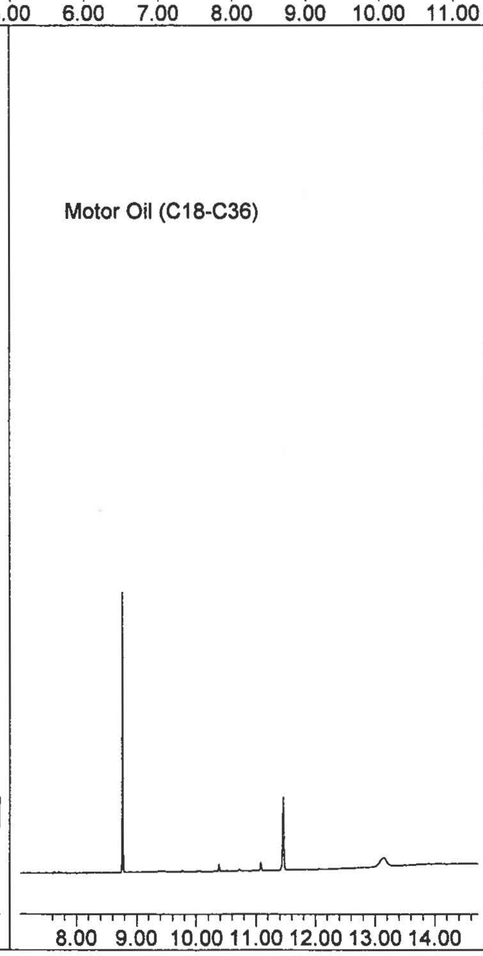
  Target Compounds
```

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213092.D
Sample : AY30579W06 5/1000







EPA 8015 Modified
Total Petroleum Hydrocarbons

Calibration Data

TPH Extractables
TPHD0212

Form 6
Initial Calibration

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

SDG No: 63706
Initial Cal. Date: 2/12/2011
Instrument: Apollo

Initials: LAC

		Compound	1	2	3	4	5	6					Avg	%RSD		
			212010.D	212011.D	212012.D	212013.D	212014.D	212015.D								
1	HATML	Diesel (C10-C28)	357420	168155	191846	194772	183860	208003					217343	32	HATML	0.992
2	HBTML	Motor Oil (C18-C36)	132739	74317	70911	81691	73398	78798					85309	28	HBTML	0.992
3	SA	Ortho-Terphenyl(S)	404545	253425	266768	269392	253466	287264					289143	20	SA	
4	SA	Octacosane(S)		133545	138289	144772	131133	147901					139128	5.1	SA	
5																
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2.4264995

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212004.D Vial: 4
Acq On : 2-12-11 14:52:03 Operator: LAC
Sample : DIESEL 10/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

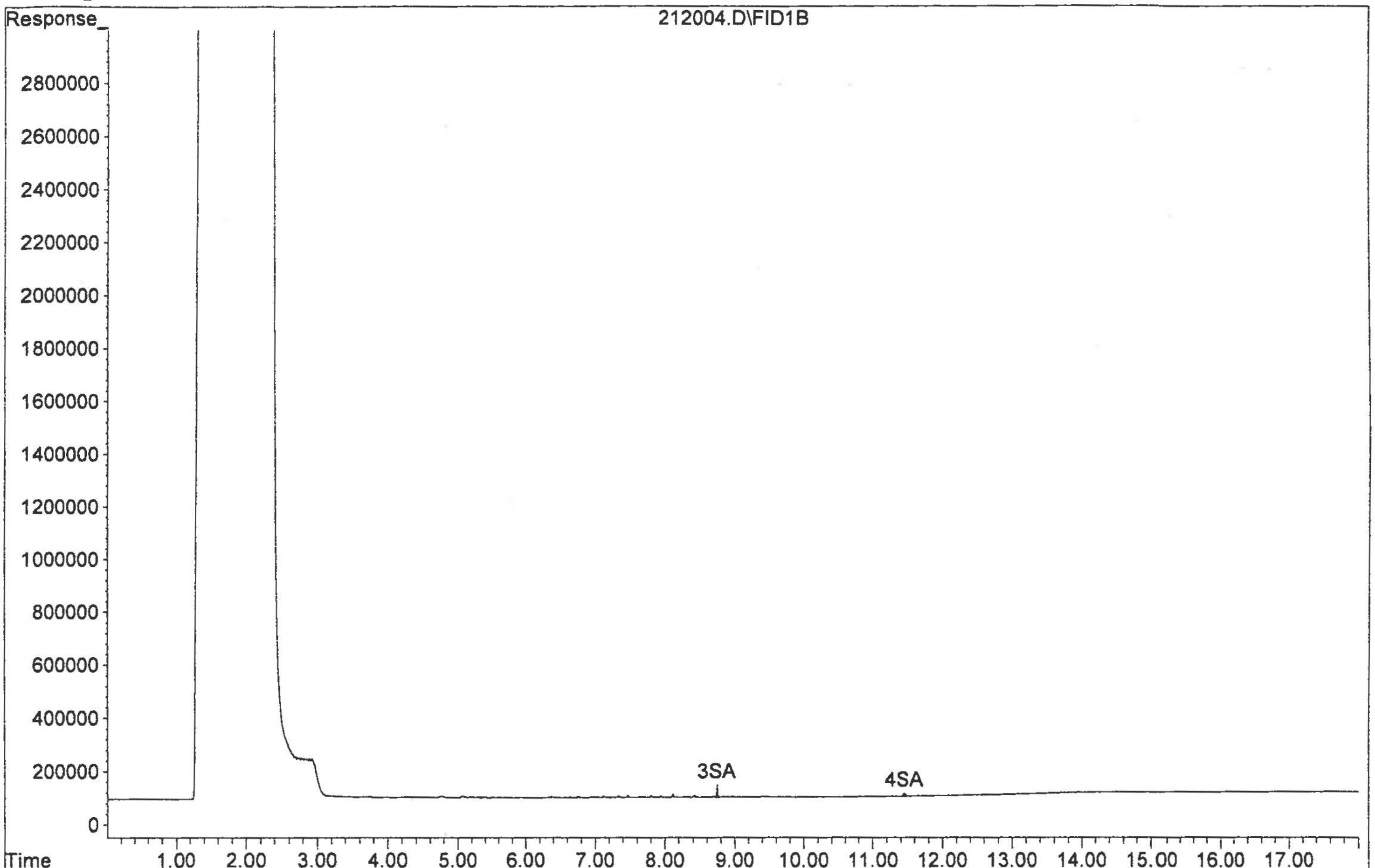
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

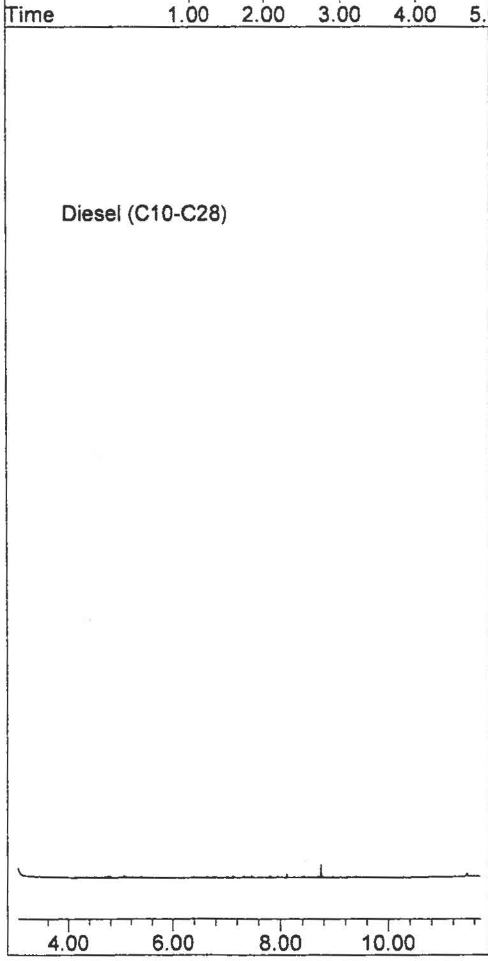
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.75	404545	0.455 ppb
Surrogate Spike 53.700	Recovery	=	0.85%
4) SA Octacosane(S)	11.45	246415	0.568 ppb
Surrogate Spike 74.300	Recovery	=	0.76%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	7148402	10.088 ppb

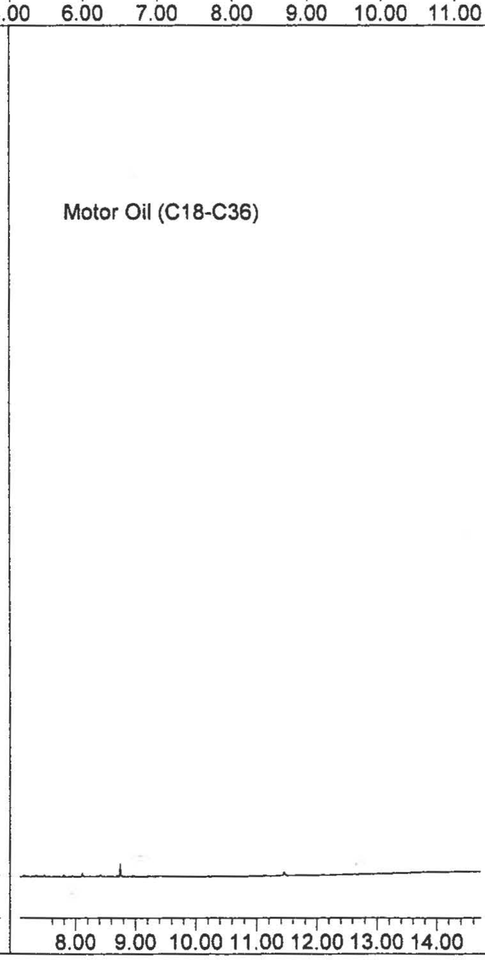
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212004.D
Sample : DIESEL 10/1000







Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212005.D
Vial: 5
Acq On : 2-12-11 15:17:04
Operator: LAC
Sample : DIESEL 100/1000
Inst : Apollo
Misc : Mix(A)
Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

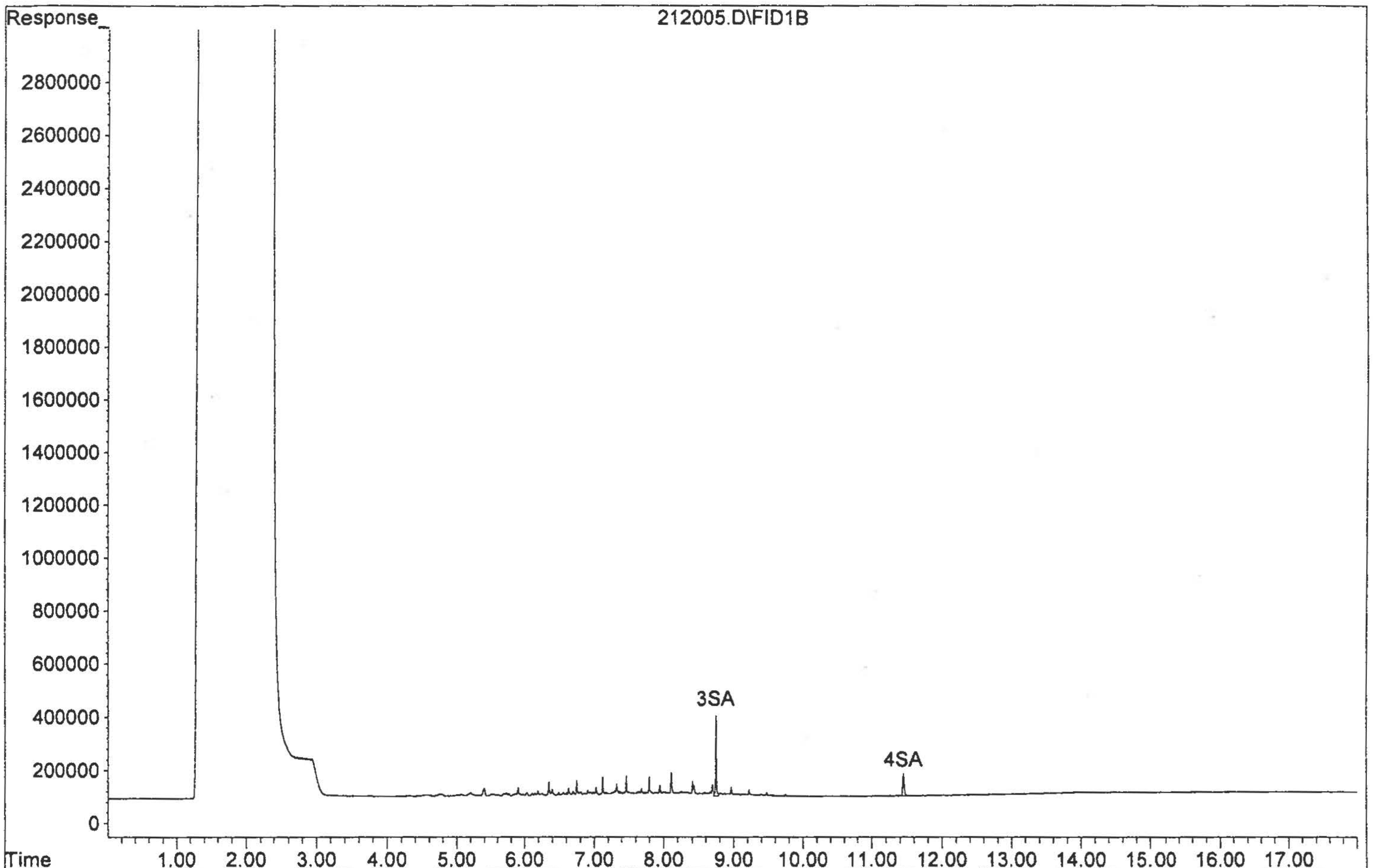
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

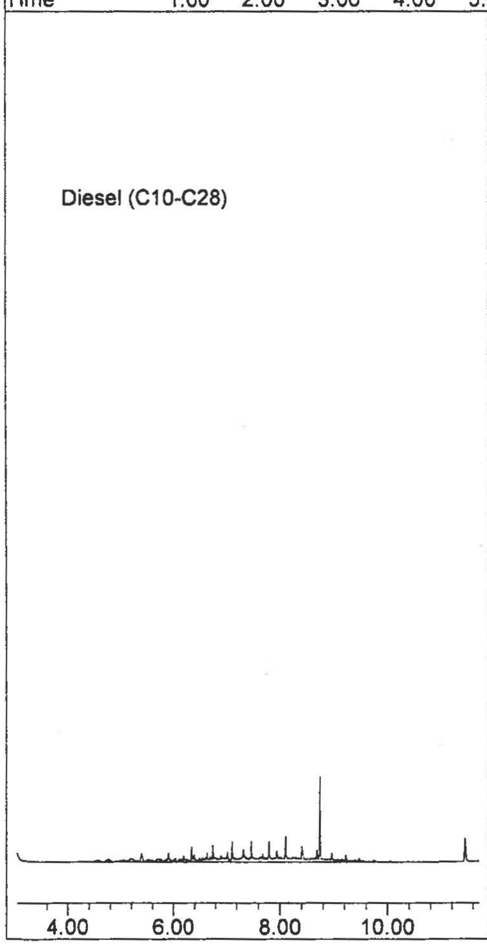
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	2534246	2.853 ppb
Surrogate Spike 53.700		Recovery =	5.31%
4) SA Octacosane(S)	11.45	1335451	3.079 ppb
Surrogate Spike 74.300		Recovery =	4.14%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	33631068	47.461 ppb

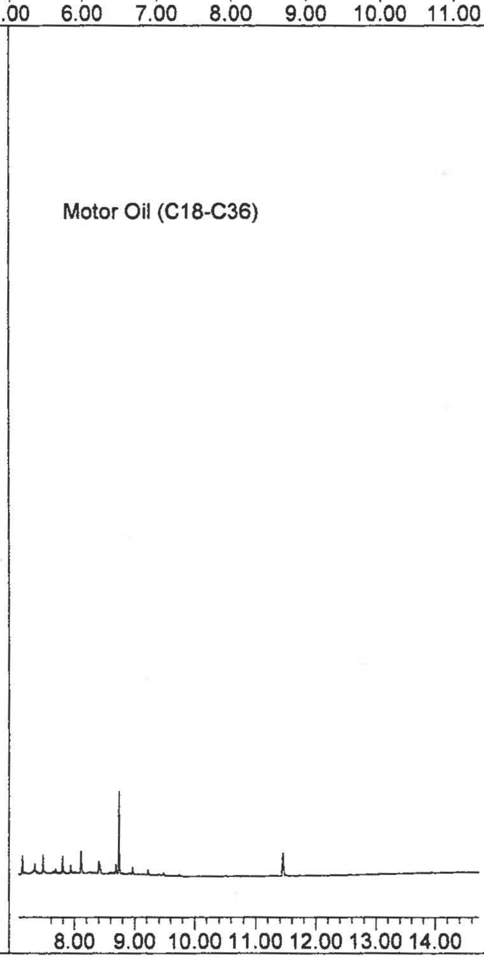
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212005.D
Sample : DIESEL 100/1000







Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212006.D Vial: 6
Acq On : 2-12-11 15:42:04 Operator: LAC
Sample : DIESEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

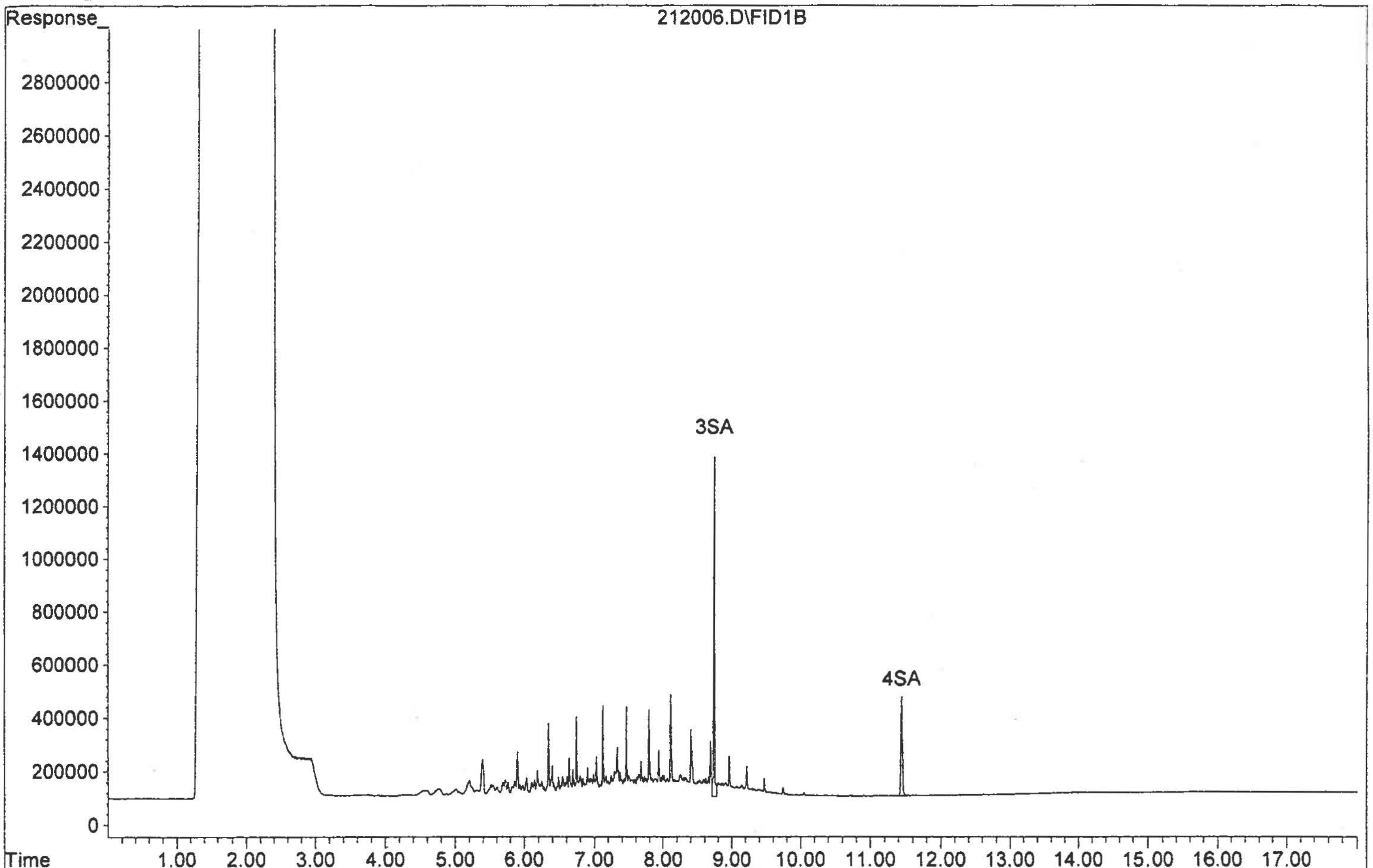
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

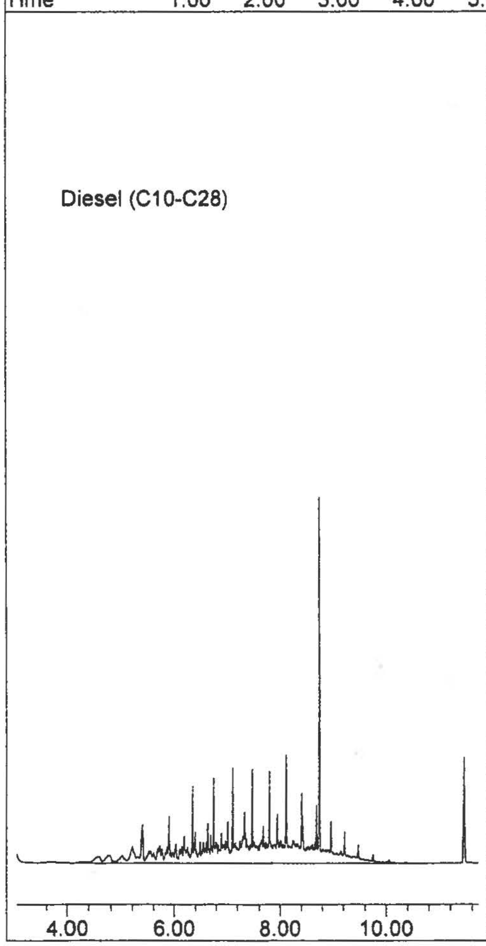
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

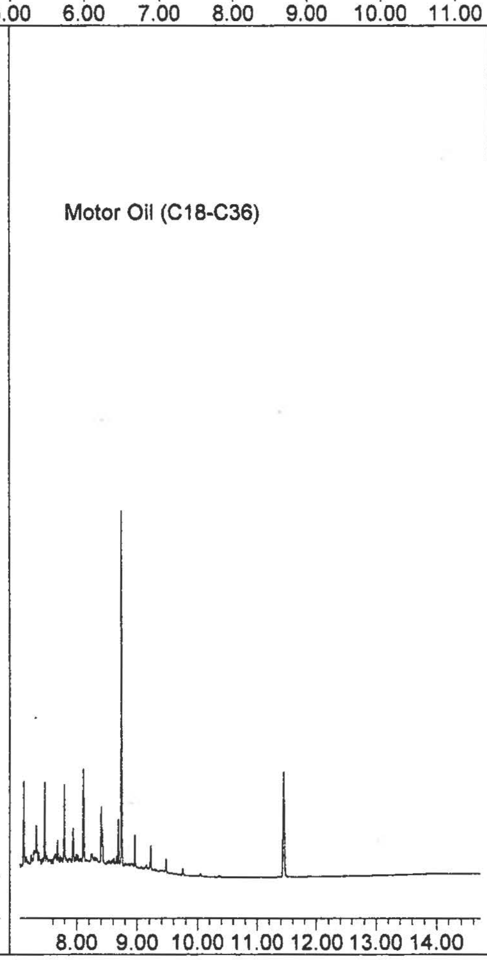
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	10670701	12.011 ppb
Surrogate Spike 53.700		Recovery =	22.37%
4) SA Octacosane(S)	11.45	5531568	12.754 ppb
Surrogate Spike 74.300		Recovery =	17.17%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	153476924	216.591 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212006.D
Sample   : DIESEL 400/1000







Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212007.D Vial: 7
Acq On : 2-12-11 16:07:02 Operator: LAC
Sample : DIESEL 600/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

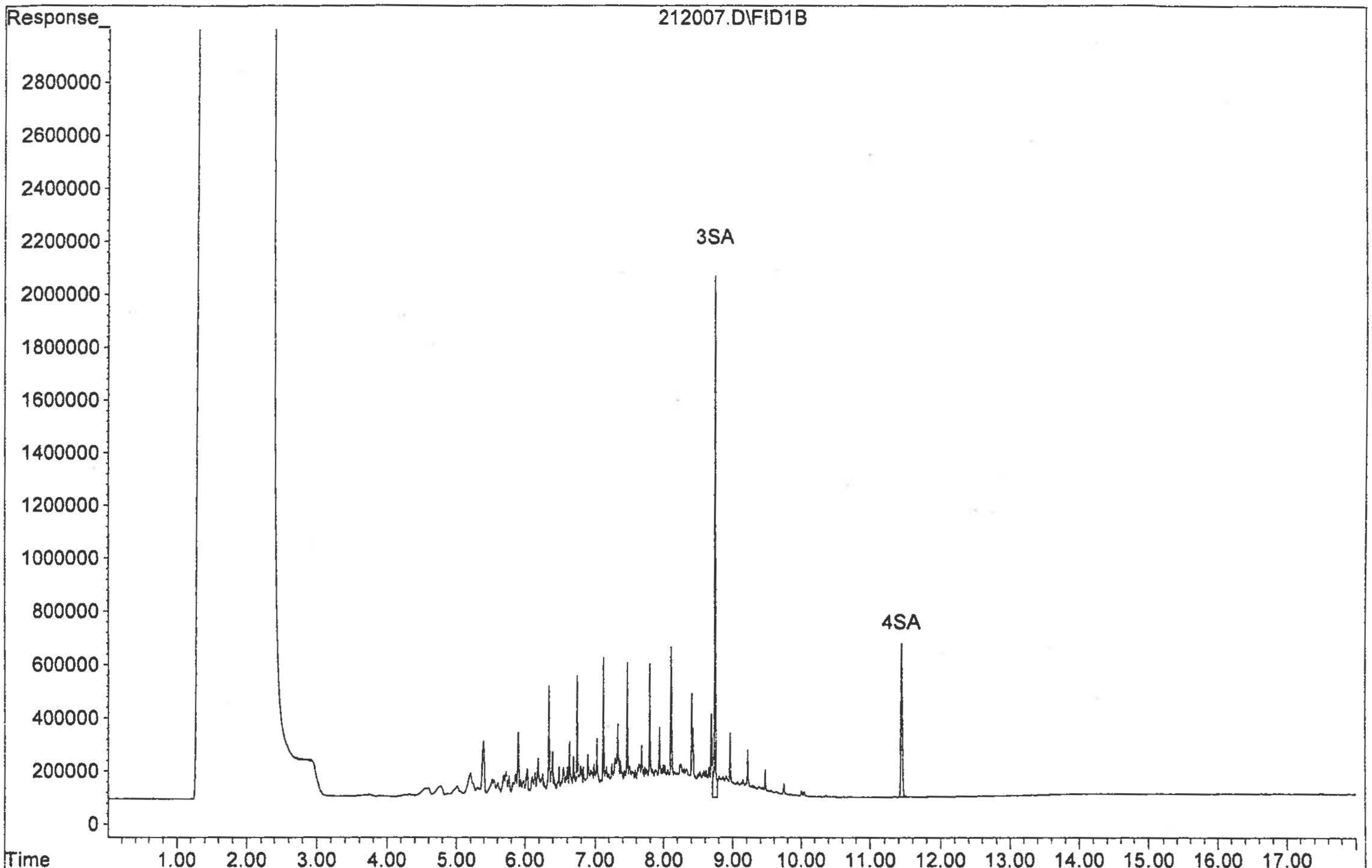
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

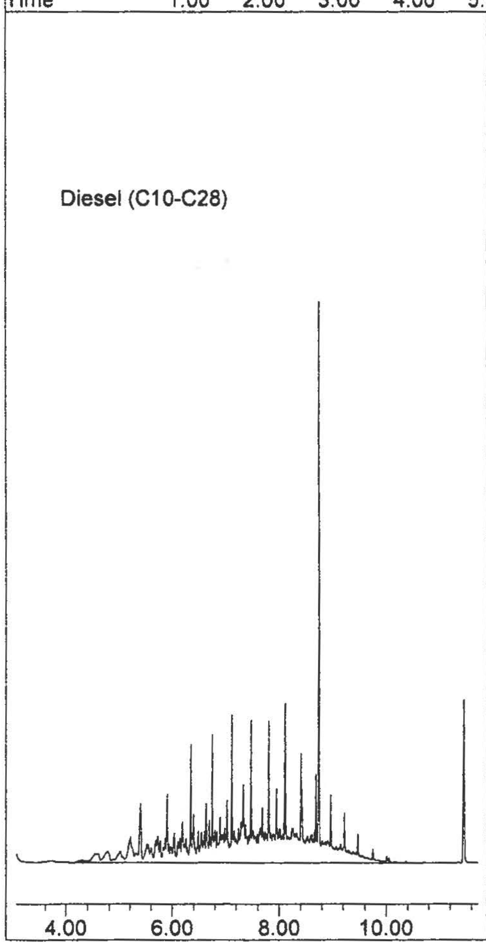
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

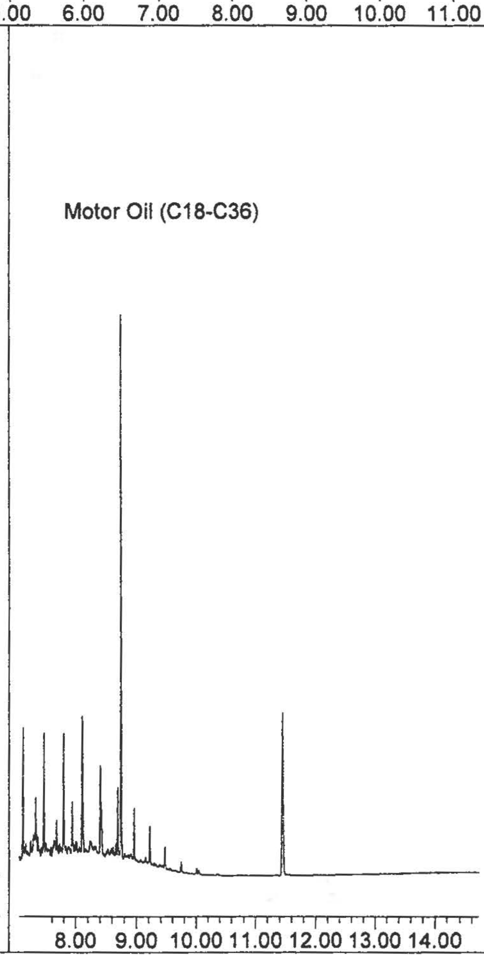
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	16163519	18.194 ppb
Surrogate Spike 53.700	Recovery	=	33.88%
4) SA Octacosane(S)	11.45	8686305	20.028 ppb
Surrogate Spike 74.300	Recovery	=	26.96%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	233726536	329.841 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212007.D
Sample   : DIESEL 600/1000







Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212008.D   Vial: 8
Acq On : 2-12-11 16:32:01   Operator: LAC
Sample : DIESEL 800/1000   Inst : Apollo
Misc : Mix(A)   Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

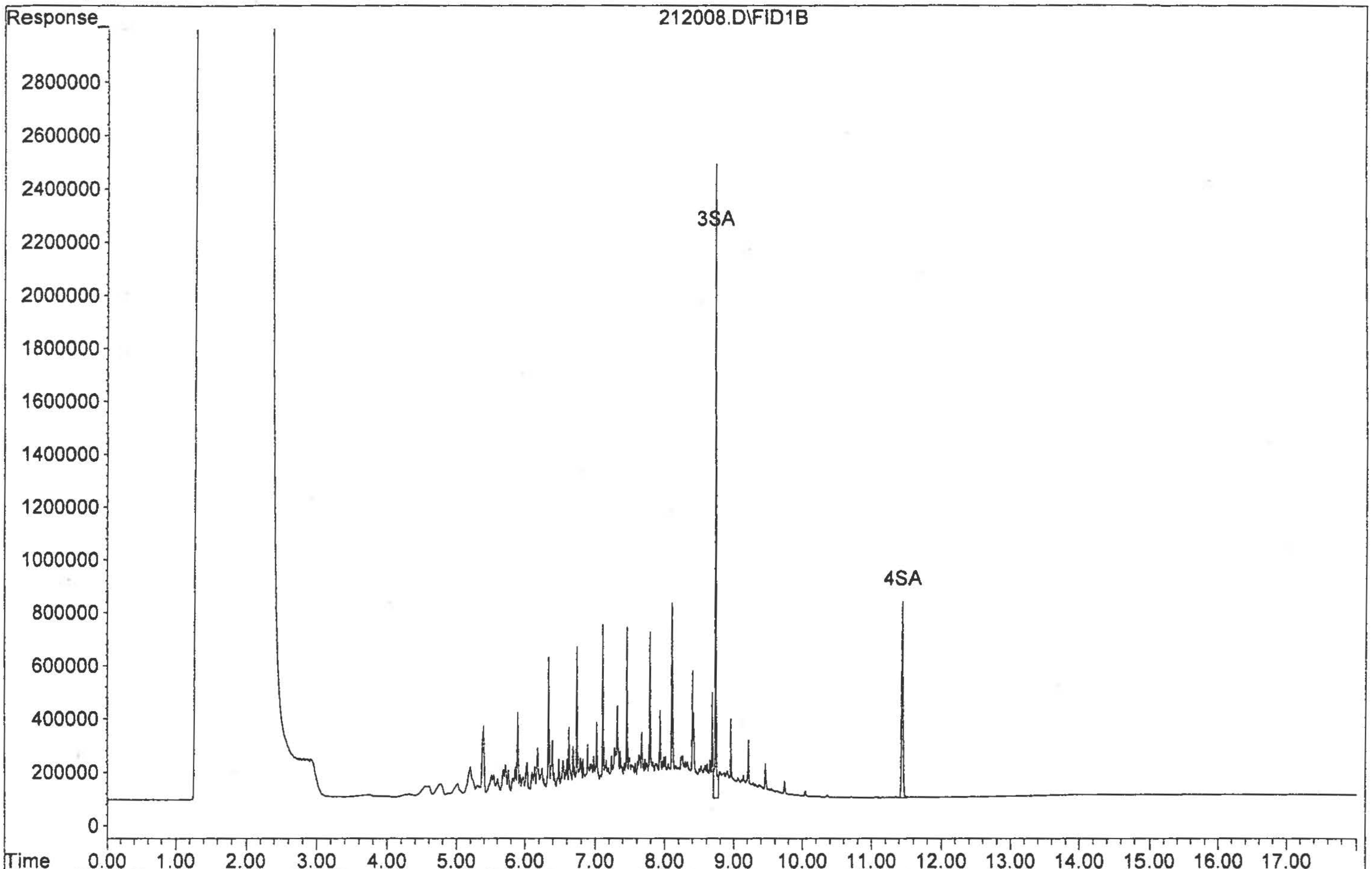
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

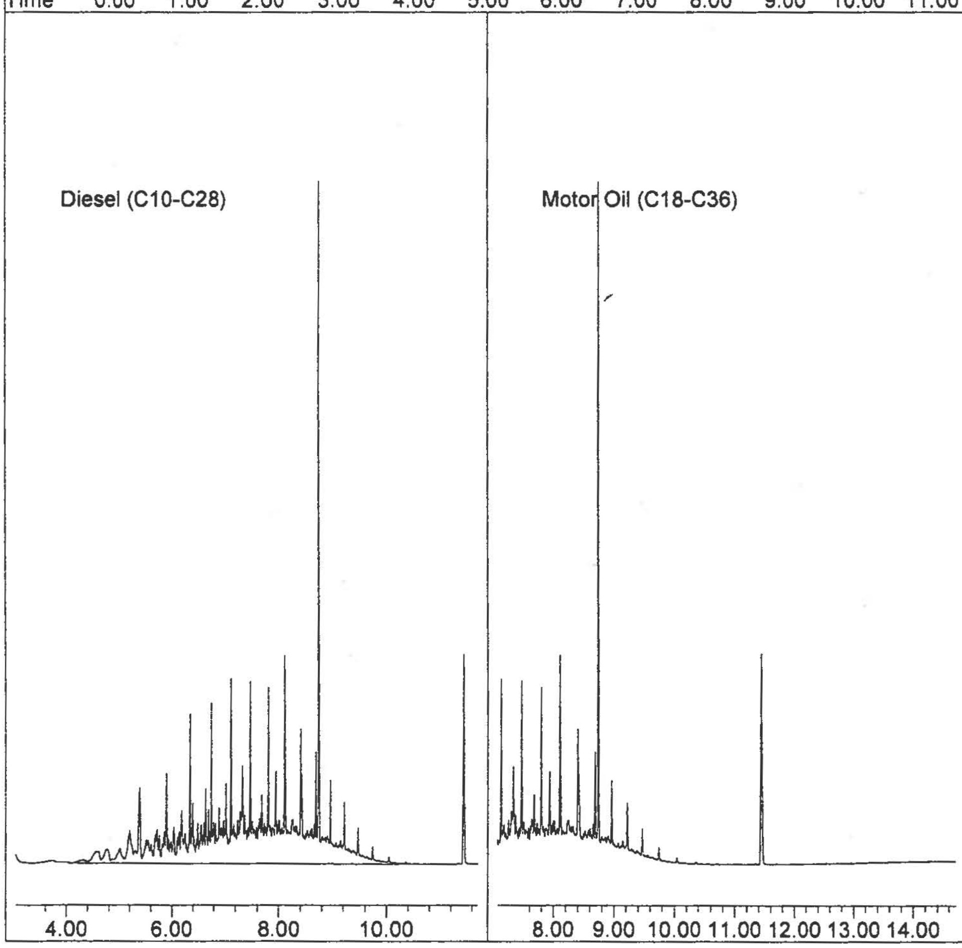
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	20277318	22.824 ppb
Surrogate Spike 53.700	Recovery	=	42.50%
4) SA Octacosane(S)	11.45	10490641	24.189 ppb
Surrogate Spike 74.300	Recovery	=	32.56%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	294175226	415.148 ppb

(f)=RT Delta > 1/2 Window   (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212008.D
Sample   : DIESEL 800/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110212\212009.D Vial: 9
Acq On : 2-12-11 16:56:56 Operator: LAC
Sample : DIESEL 1000/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

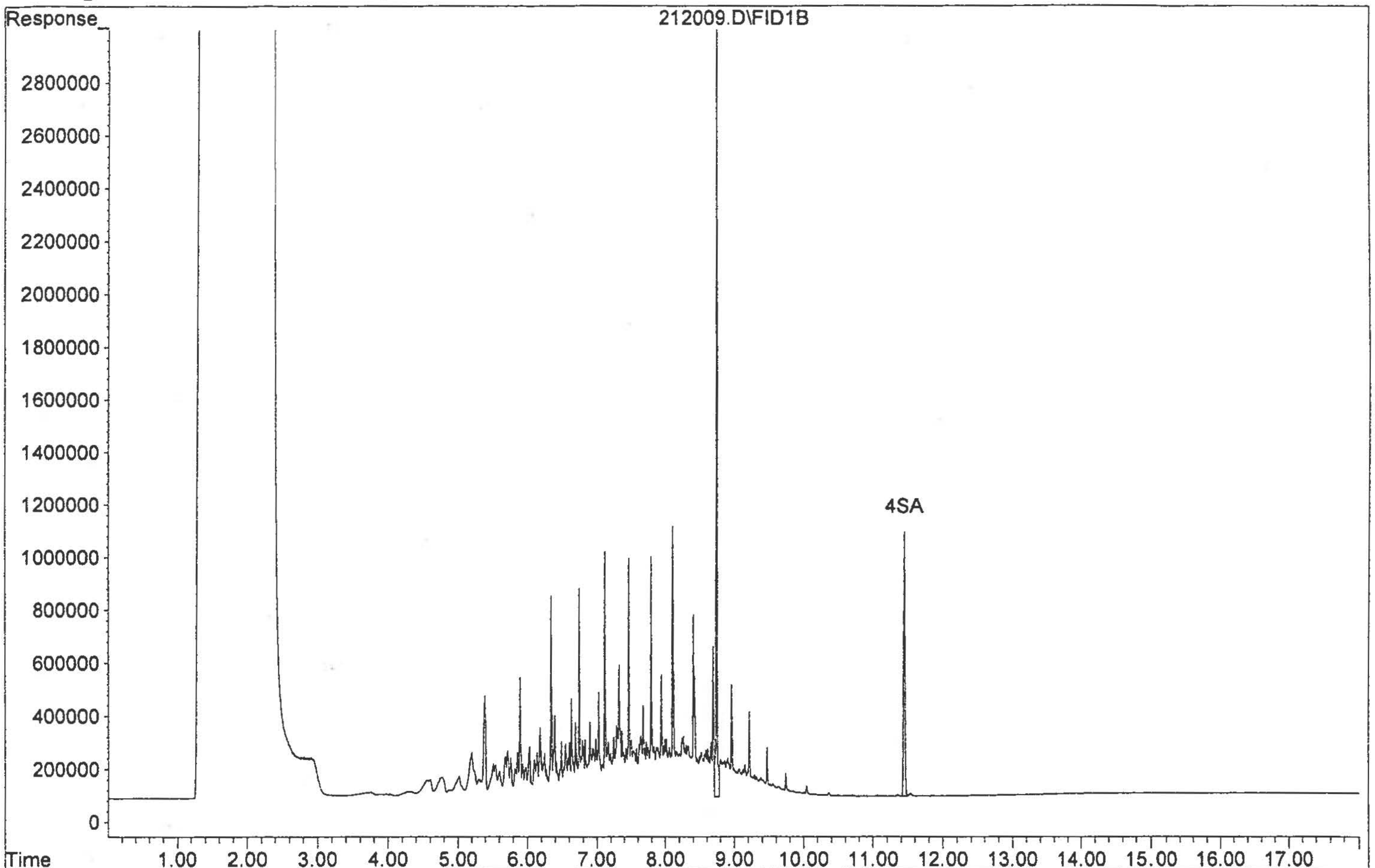
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

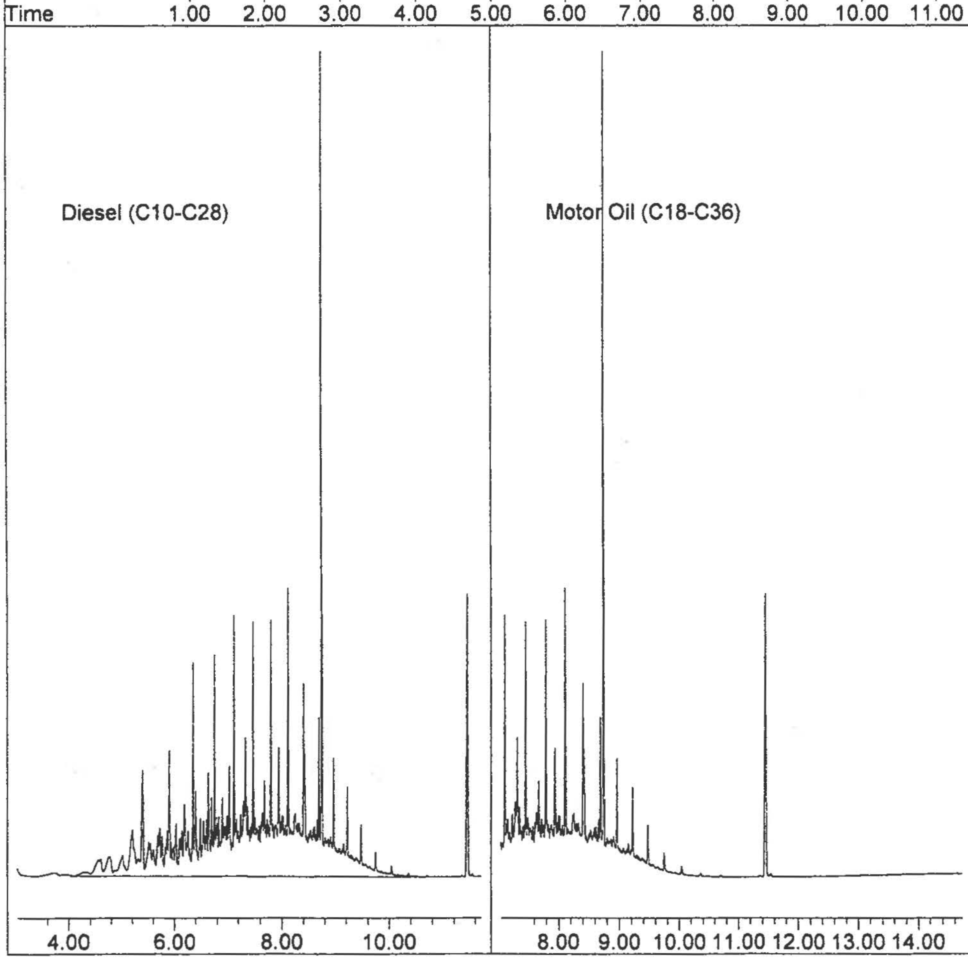
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.75	28726372	32.334 ppb
Surrogate Spike 53.700		Recovery =	60.21%
4) SA Octacosane(S)	11.45	14790129	34.102 ppb
Surrogate Spike 74.300		Recovery =	45.90%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	416005853	587.078 ppb

(f)=RT Delta > 1/2 Window 51 (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212009.D
Sample   : DIESEL 1000/1000





TPH Extractables
TPHD0212

Form 7

Second Source Calibration

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

SDG No: 63706
Date Analyzed: 2/12/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 212016.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	185908	14	HATML	4.3
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
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29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			14.0		

Data File : G:\APOLLO\DATA\110212\212016.D Vial: 16
Acq On : 2-12-11 19:49:59 Operator: LAC
Sample : DIESEL 400/1000 2ND SRC Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 15:18 2011 Quant Results File: TPHD0212.RES

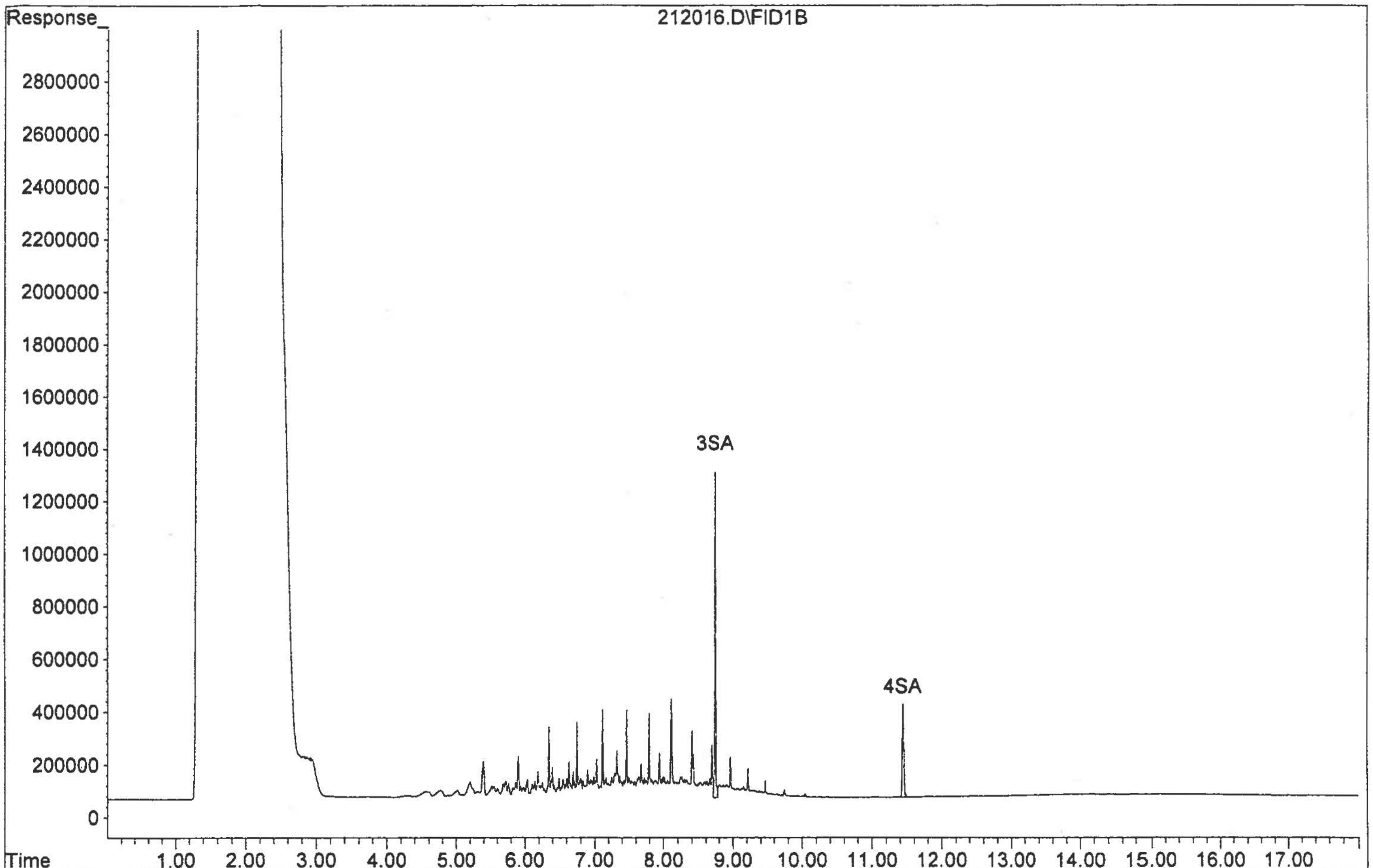
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

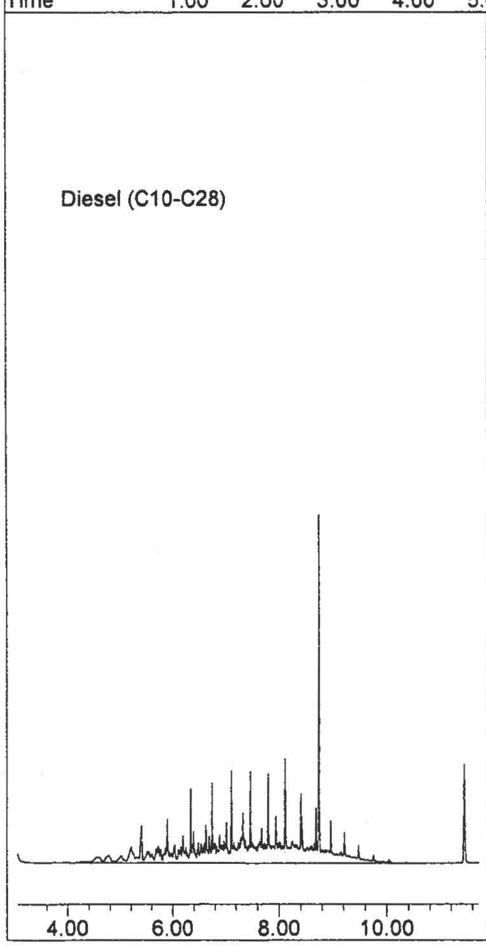
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

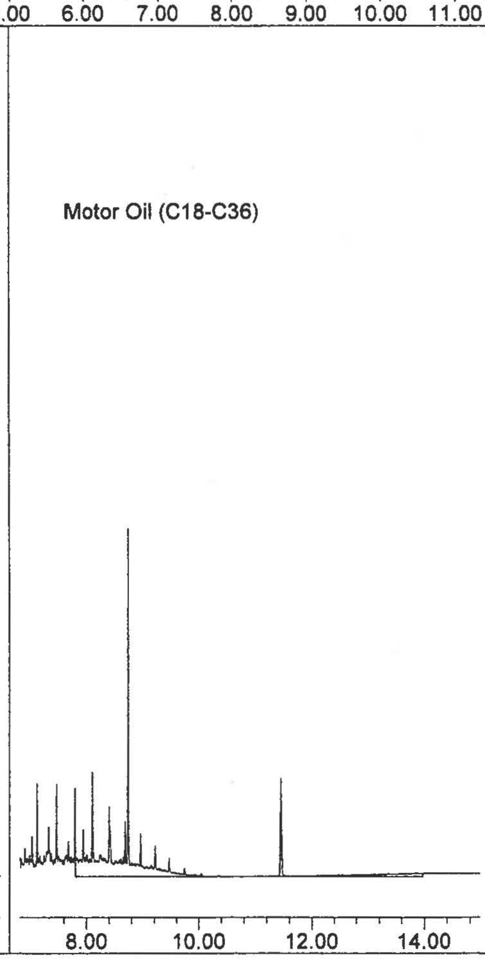
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.74	10291328	17.796 ppb
Surrogate Spike 21.493		Recovery =	82.80%
4) SA Octacosane(S)	11.44	5569338	20.015 ppb
Surrogate Spike 29.733		Recovery =	67.32%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	148726487	382.883 ppb
2) HBTM Motor Oil (C18-C36)	10.89	66214054	425.352 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110212\212016.D
Sample : DIESEL 400/1000 2ND SRC







TPH Extractables
TPHD0212

Form 7

Continuing Calibration

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

SDG No: 63706
Date Analyzed: 2/15/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 213059.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	167145	23	HATML	15
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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16							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			23.0		

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110213\213059.D              Vial: 59
Acq On    : 2-15-11 9:50:04                         Operator: LAC
Sample    : DIESEL 600/1000                         Inst    : Apollo
Misc      : Mix(A)                                  Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 17 16:33 2011  Quant Results File: TPHD0212.RES

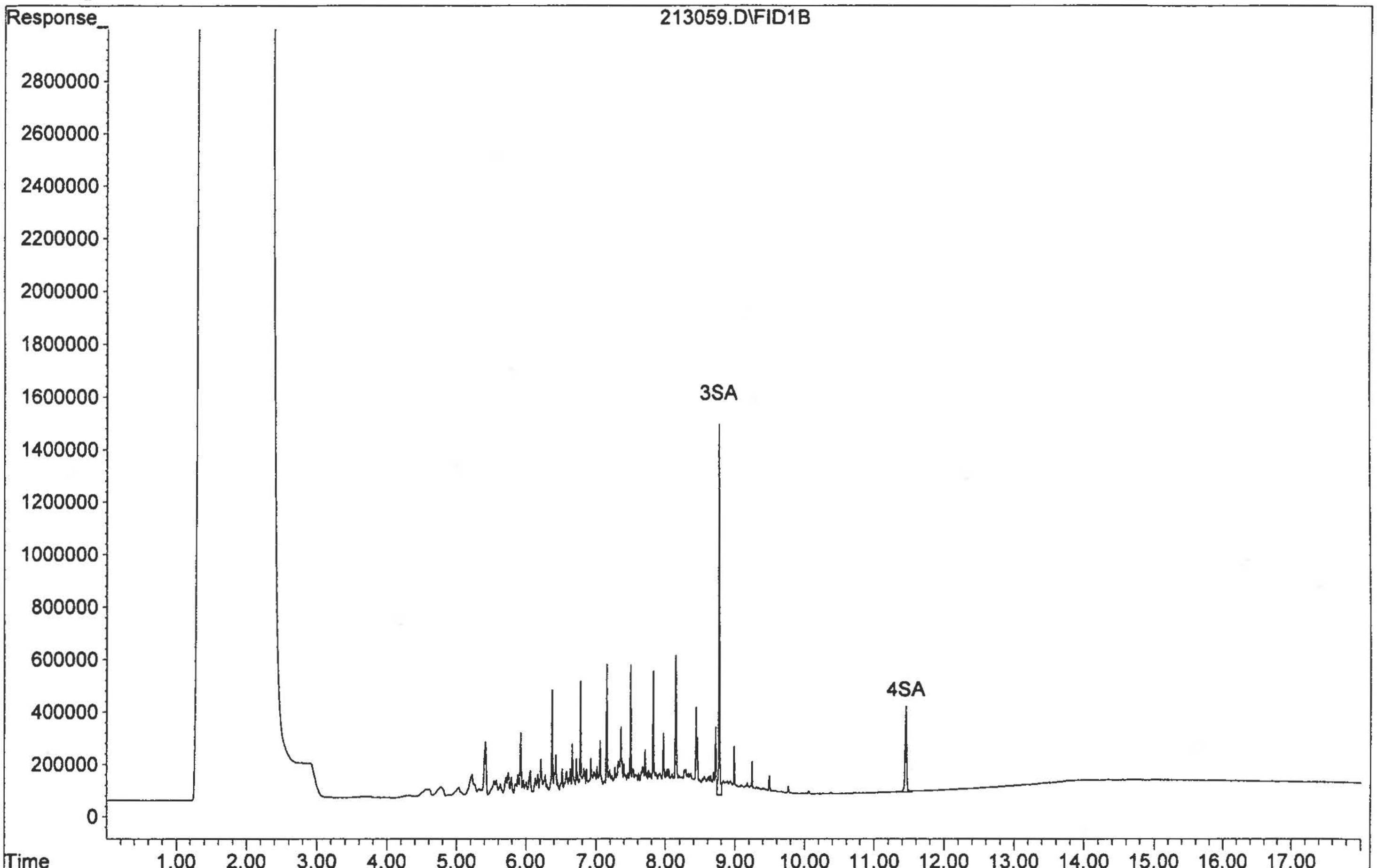
Method        : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Thu Feb 17 14:14:12 2011
Response via  : Multiple Level Calibration

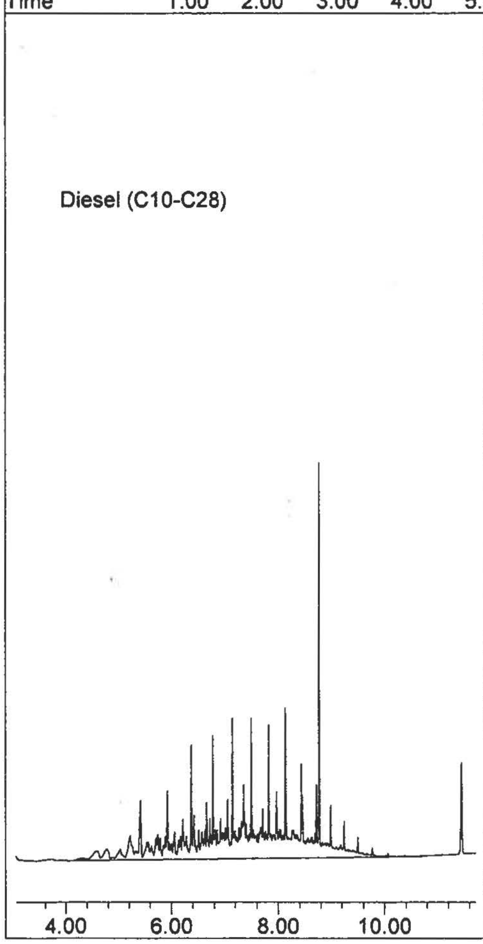
Volume Inj.   : 2UL
Signal Phase  : DB-5
Signal Info   : FID02A
```

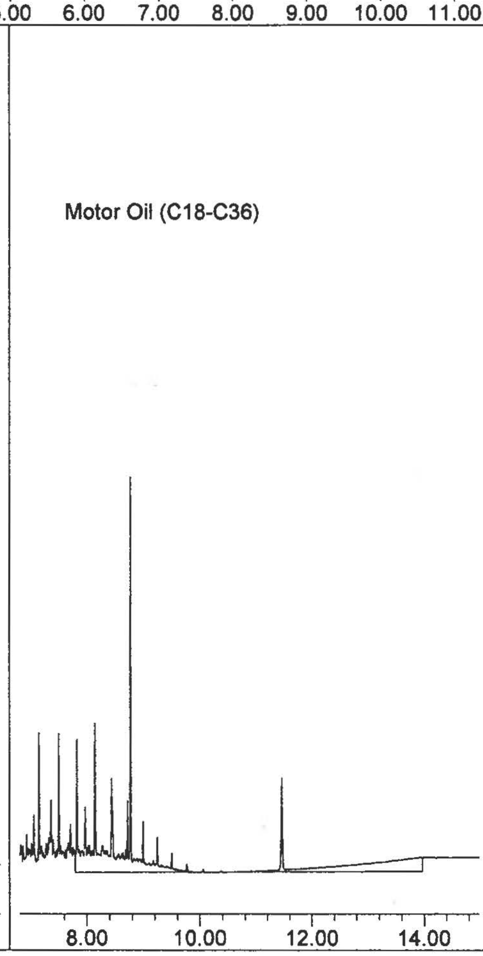
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	11326757	19.587 ppb
Surrogate Spike 21.493		Recovery =	91.13%
4) SA Octacosane(S)	11.46	5252471	18.876 ppb
Surrogate Spike 29.733		Recovery =	63.49%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	200573991	512.120 ppb
2) HBTM Motor Oil (C18-C36)	10.89	105498370	683.098 ppb

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\110213\213059.D
Sample   : DIESEL 600/1000







TPH Extractables
TPHD0212

Form 7
Continuing Calibration

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

SDG No: 63706
Date Analyzed: 2/15/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 213079.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	227114	4.5	HATML	16
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
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21							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110213\213079.D Vial: 79
Acq On : 2-15-11 18:04:53 Operator: LAC
Sample : DIESEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 16:35 2011 Quant Results File: TPHD0212.RES

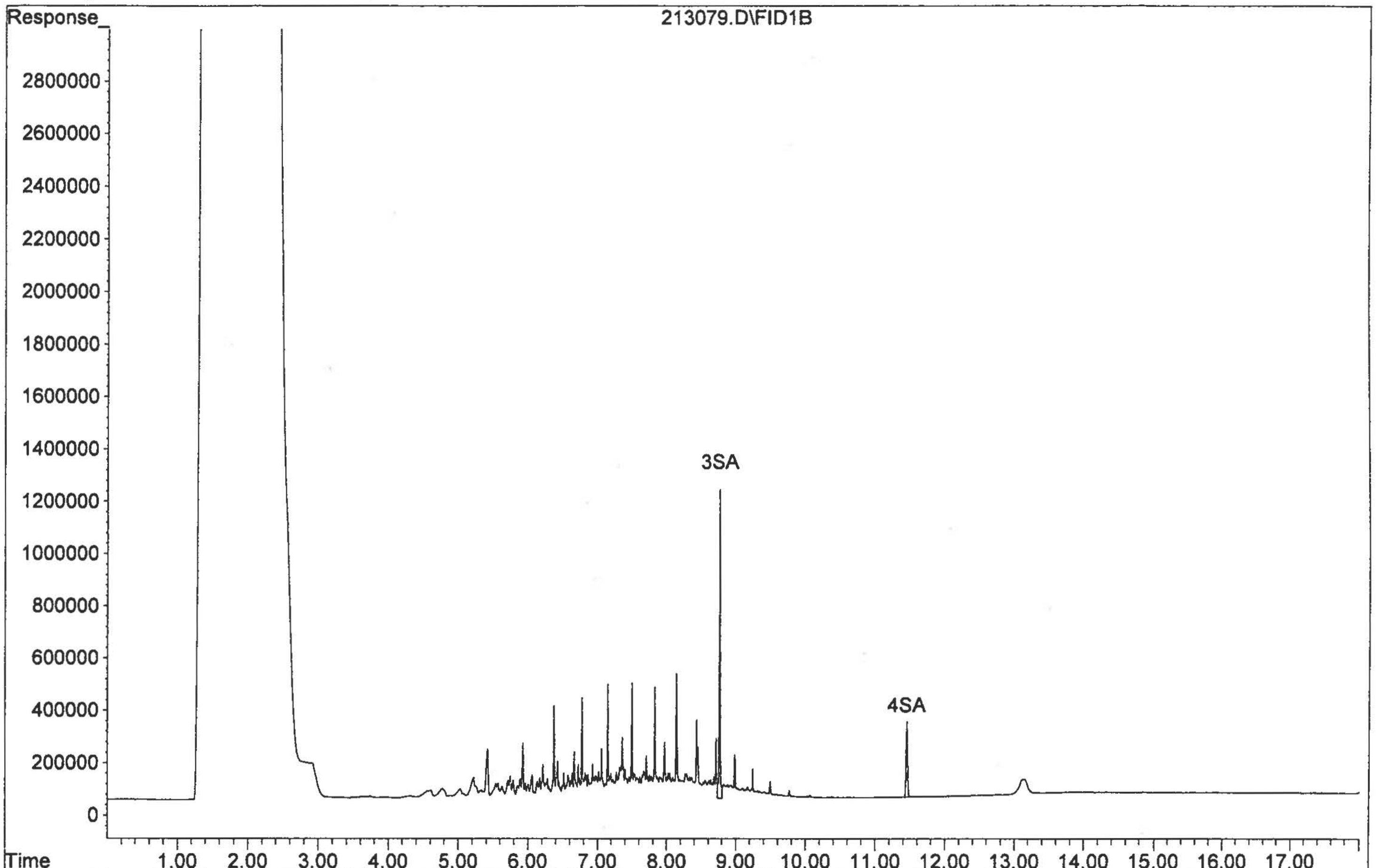
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

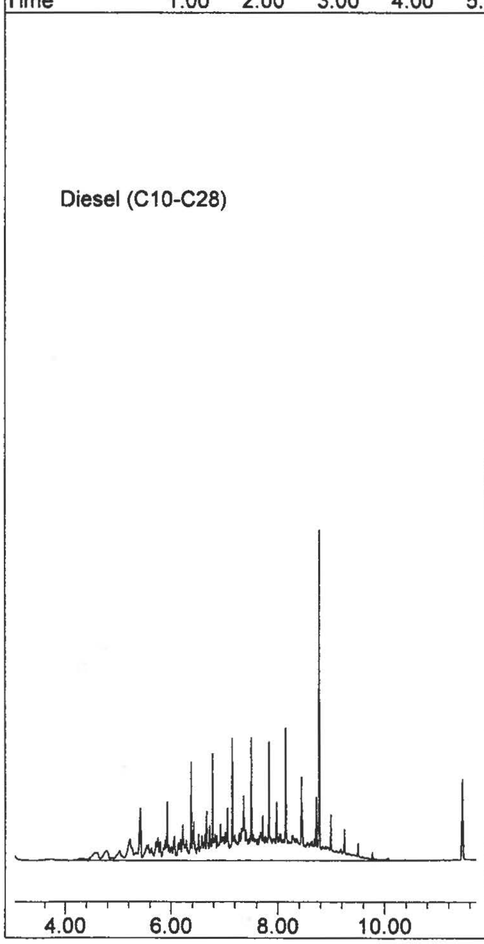
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

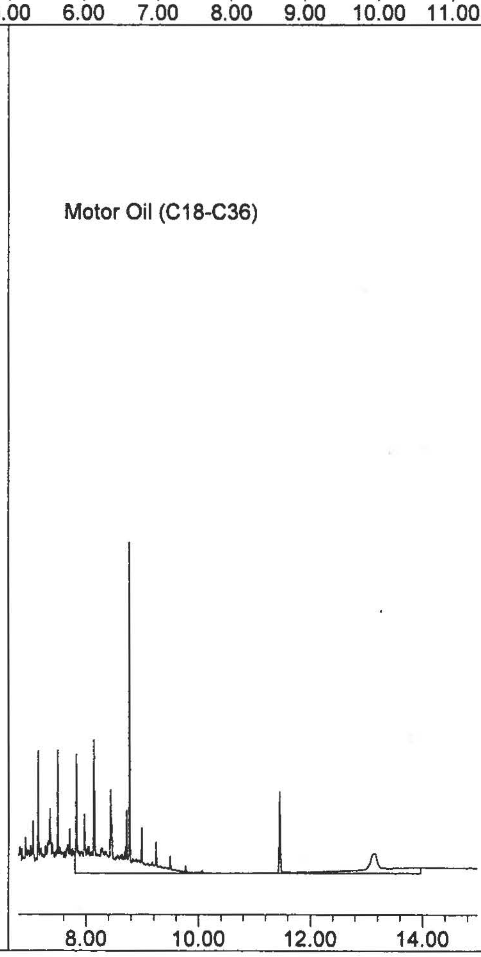
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	9958469	17.221 ppb
Surrogate Spike 21.493	Recovery	=	80.12%
4) SA Octacosane(S)	11.46	4286760	15.406 ppb
Surrogate Spike 29.733	Recovery	=	51.81%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	181691454	465.053 ppb
2) HBTM Motor Oil (C18-C36)	10.89	87563937	565.430 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213079.D
Sample   : DIESEL 400/1000







TPH Extractables
TPHD0212

Form 7
Continuing Calibration

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

SDG No: 63706
Date Analyzed: 2/15/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 213093.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	154146	29	HATML	20
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			29.0		

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110213\213093.D              Vial: 93
Acq On    : 2-15-11 23:39:09                        Operator: LAC
Sample    : DIESEL 400/1000                         Inst    : Apollo
Misc      : Mix(A)                                  Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 17 16:37 2011  Quant Results File: TPHD0212.RES

Method        : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Thu Feb 17 14:14:12 2011
Response via  : Multiple Level Calibration

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

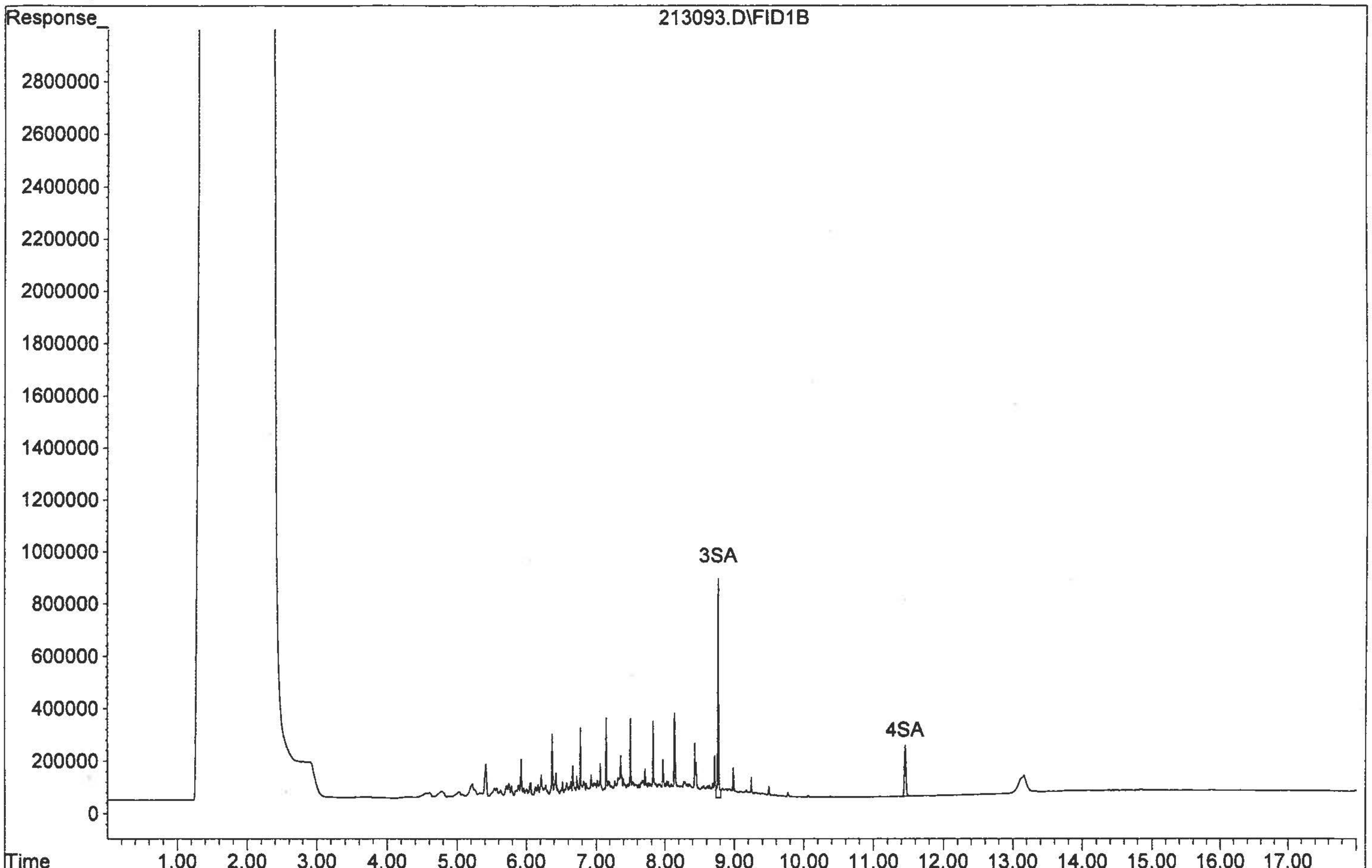
    Compound                       R.T.      Response    Conc Units
  ---------------------------------------------------------------------

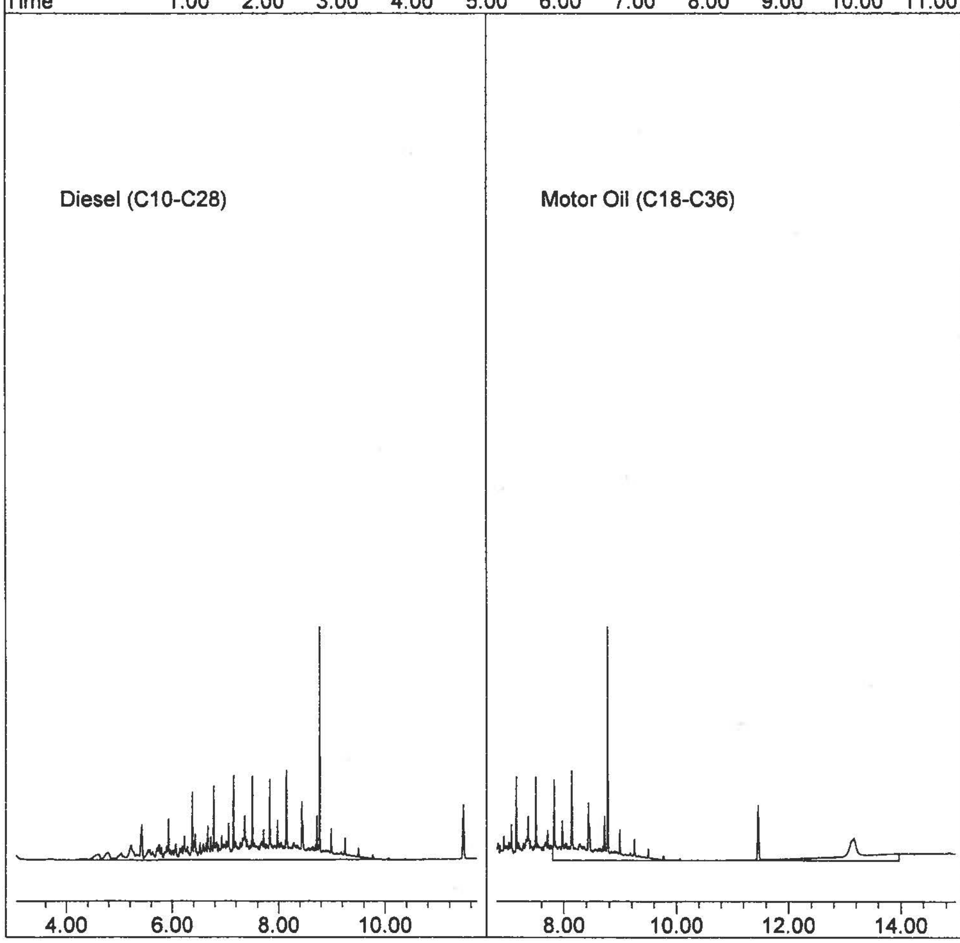
  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)          8.77       6883987   11.904 ppb
Surrogate Spike 21.493                 Recovery      =   55.39%
 4) SA  Octacosane(S)              11.46       2995499   10.765 ppb
Surrogate Spike 29.733                 Recovery      =   36.21%

  Target Compounds
 1) HATM Diesel (C10-C28)           7.38     123317136   319.547 ppb
 2) HBTM Motor Oil (C18-C36)       10.89      68527364   440.530 ppb
```

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213093.D
Sample : DIESEL 400/1000





TPH Extractables
TPHD0212

Form 7
Continuing Calibration

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

SDG No: ~~63694~~ 63706
Date Analyzed: 2/17/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 216033.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	212772	2.1	HATML	8.1
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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14							
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28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			2.1		

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110216\216033.D                 Vial: 33
Acq On    : 2-17-11 8:53:40                            Operator: LAC
Sample    : DIESEL 600/1000                            Inst    : Apollo
Misc      : Mix(A)                                     Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 17 15:02 2011  Quant Results File: TPHD0212.RES

Method          : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title           : Diesel
Last Update     : Thu Feb 17 14:14:12 2011
Response via    : Multiple Level Calibration

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

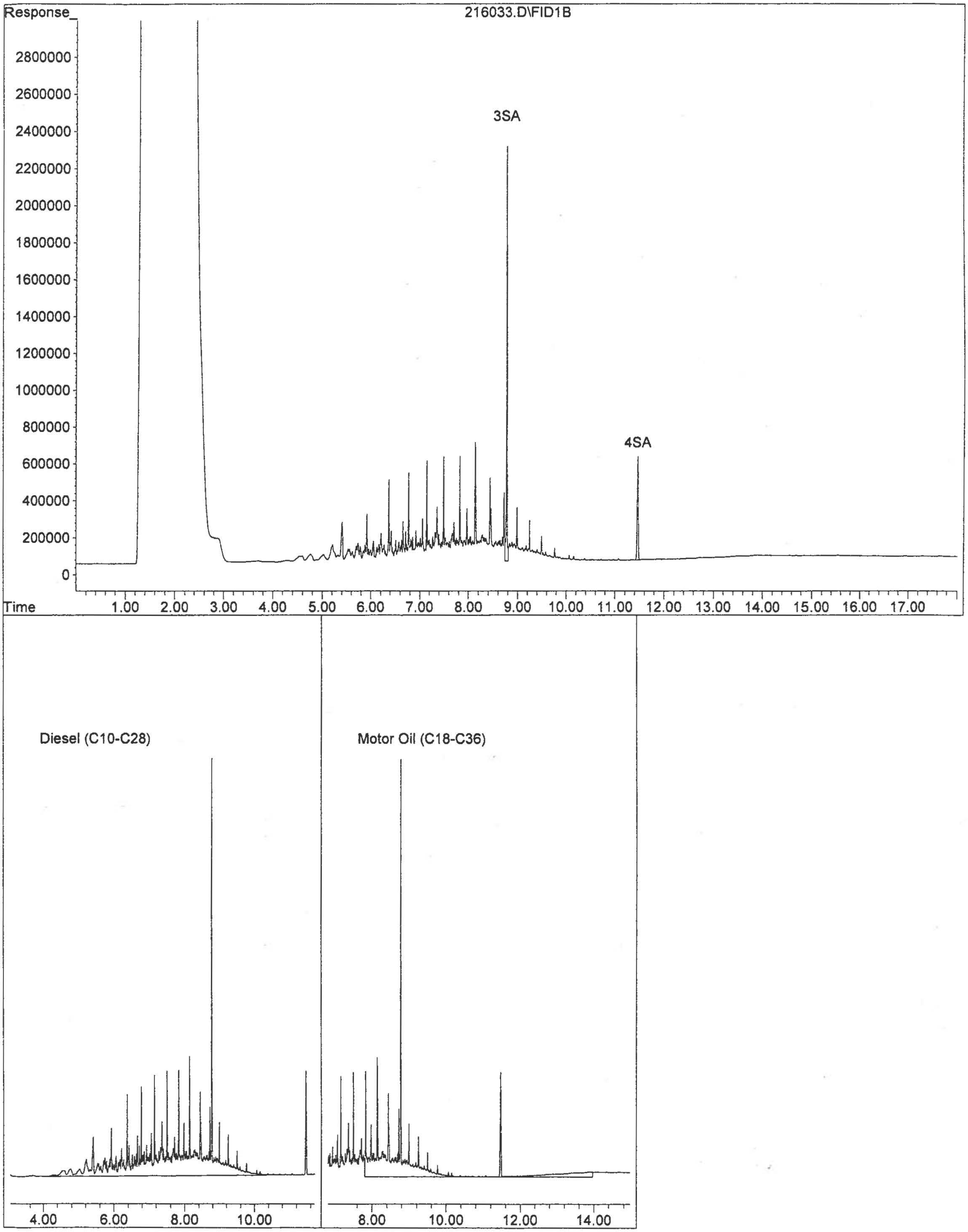
    Compound                          R.T.       Response    Conc Units
  ---------------------------------------------------------------------

  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)            8.77       18465633   31.932 ppb
Surrogate Spike 21.493                    Recovery      =  148.57%
 4) SA  Octacosane(S)                11.46        8316664   29.889 ppb
Surrogate Spike 29.733                    Recovery      =  100.52%

  Target Compounds
 1) HATM Diesel (C10-C28)             7.38      255326247  648.597 ppb
 2) HBTM Motor Oil (C18-C36)         10.89      125948221  817.270 ppb
```

Quantitation Report

Data File: G:\APOLLO\DATA\110216\216033.D
Sample   : DIESEL 600/1000



TPH Extractables
TPHD0212

Form 7

Continuing Calibration

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

SDG No: ~~63694~~ rp 63706
Date Analyzed: 2/17/2011
Instrument: Apollo
Initial Cal. Date: 2/12/2011
Data File: 216047.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C28)	217343	201900	7.1	HATML	3.7
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
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29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			7.1		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\110216\216047.D Vial: 47
Acq On : 2-17-11 14:26:19 Operator: LAC
Sample : DIESEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 14:56 2011 Quant Results File: TPHD0212.RES

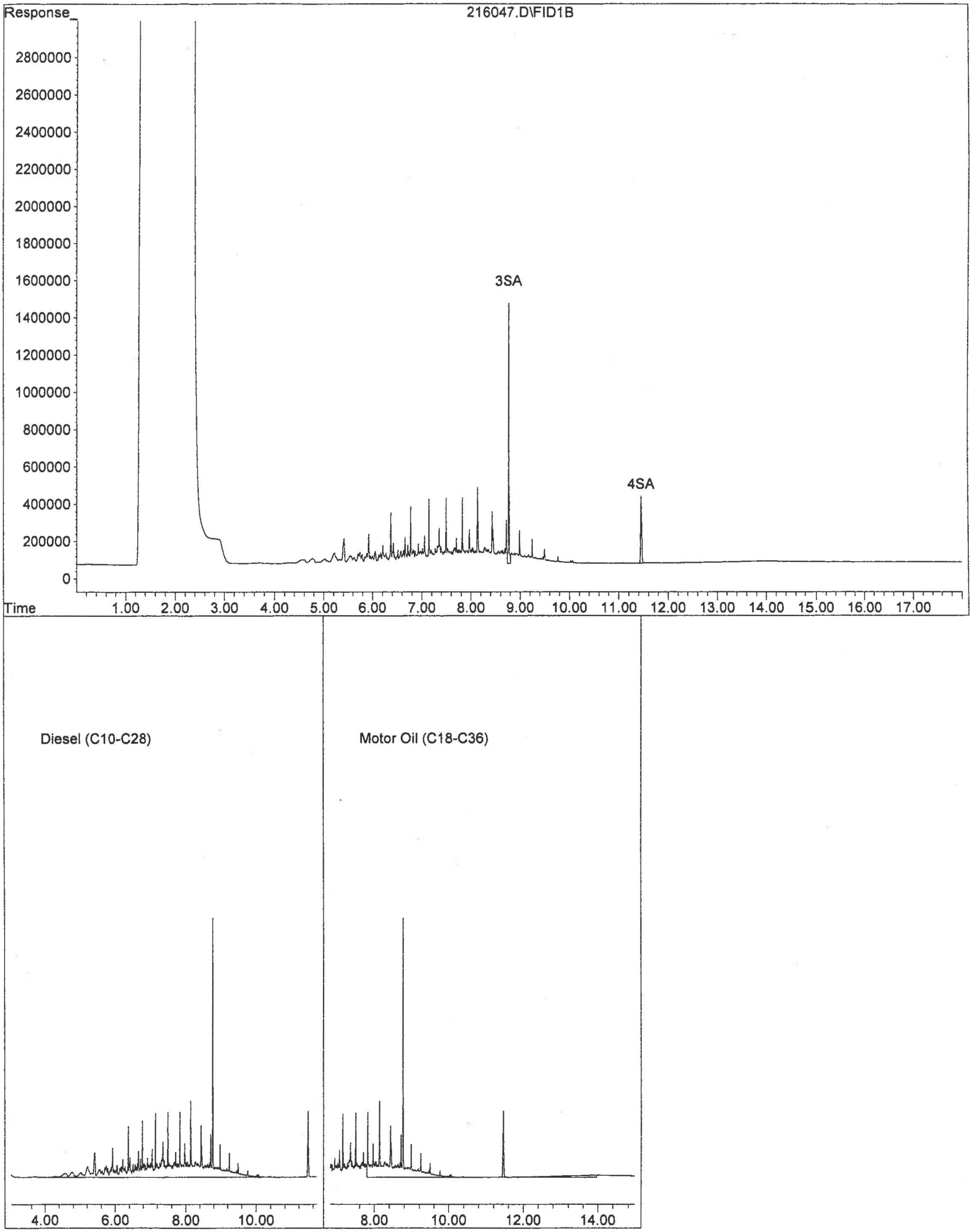
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	11537143	19.951 ppb
Surrogate Spike 21.493	Recovery	=	92.83%
4) SA Octacosane(S)	11.46	5351088	19.231 ppb
Surrogate Spike 29.733	Recovery	=	64.68%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	161520177	414.773 ppb
2) HBTM Motor Oil (C18-C36)	10.89	75714518	487.685 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110216\216047.D
Sample : DIESEL 400/1000



EPA 8015 Modified
Total Petroleum Hydrocarbons
Raw Data

Method Blank
TPH Diesel Water

Blank Name/QCG: **110127W-30578 - 152149**
Batch ID: #TPETD-110127A

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	1/27/2011	2/17/2011
BLANK	SURROGATE: OCTACOSANE (S)	75.6	28-142			%	1/27/2011	2/17/2011
BLANK	SURROGATE: ORTHO-TERPHEN	86.6	57-132			%	1/27/2011	2/17/2011

Quant Method: TPHD0212.M
Run #: 216042
Instrument: Apollo
Sequence: 110216
Initials: LA

GC SC-Blank-REG MDLs
Printed: 2/17/2011 4:17:53 PM

Quantitation Report (QT Reviewed)

```
Data File : G:\APOLLO\DATA\110216\216042.D              Vial: 42
Acq On    : 2-17-11 12:27:25                        Operator: LAC
Sample    : 110127A BLK 5/1000                      Inst    : Apollo
Misc      : Water                                   Multiplr: 5.00
IntFile   : events.e
Quant Time: Feb 17 16:10 2011  Quant Results File: TPHD0212.RES

Method        : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Thu Feb 17 14:14:12 2011
Response via  : Multiple Level Calibration

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

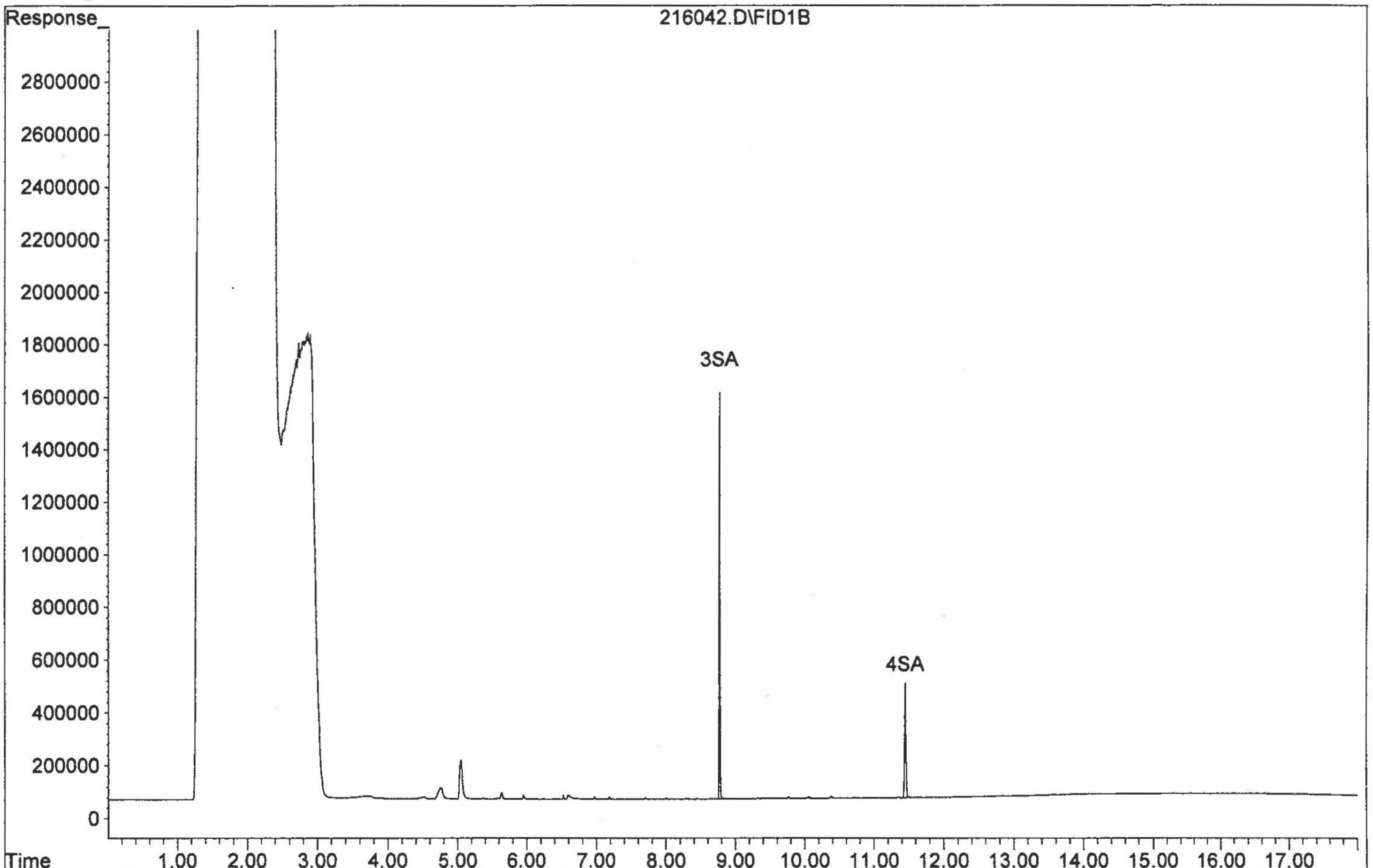
    Compound                        R.T.       Response    Conc Units
  ---------------------------------------------------------------------

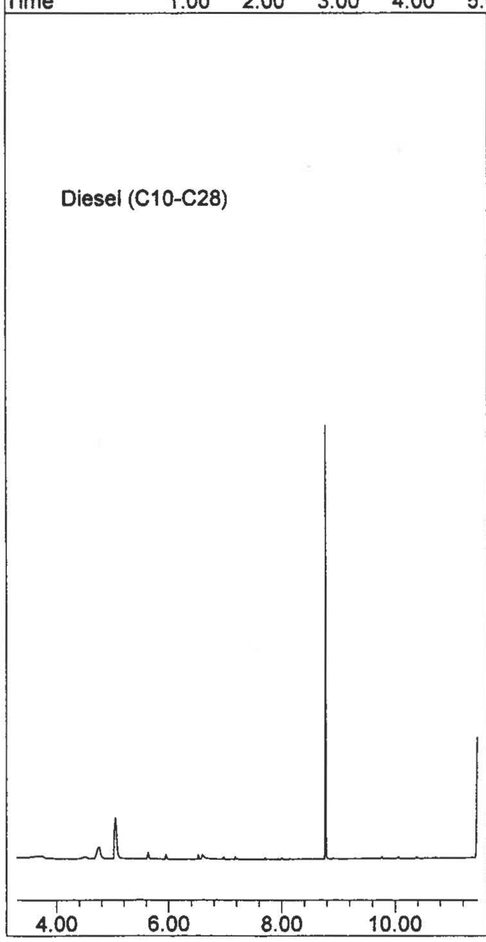
  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)          8.77       10766787   93.092 ppb
Surrogate Spike 107.465                   Recovery      =   86.63%
 4) SA  Octacosane(S)              11.46        6253855  112.376 ppb
Surrogate Spike 148.665                   Recovery      =   75.59%

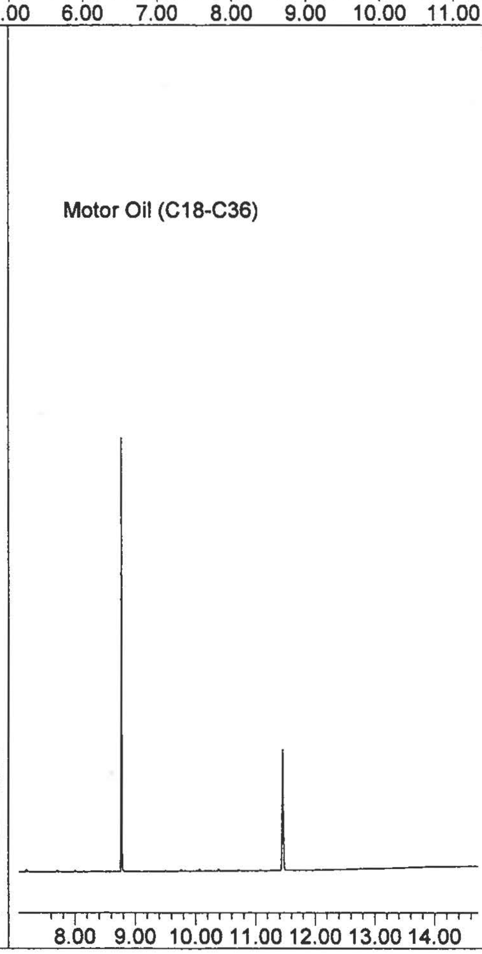
  Target Compounds
```

Quantitation Report

Data File: G:\APOLLO\DATA\110216\216042.D
Sample : 110127A BLK 5/1000







Laboratory Control Spike Recovery
TPH Diesel Water

APPL ID: **110127W-30578 LCS - 152149**
Batch ID: #TPETD-110127A

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	1240	62.0	61-143
SURROGATE: OCTACOSANE (S)	149	67.2	45.1	28-142
SURROGATE: ORTHO-TERPHENYL (S)	107	64.1	59.9	57-132

Comments: ______

Primary	SPK
Quant Method :	TPHD0212.M
Extraction Date :	1/27/2011
Analysis Date :	2/15/2011
Instrument :	Apollo
Run :	213075
Initials :	LA

Printed: 2/17/2011 4:17:47 PM

APPL Standard LCS

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110213\213075.D              Vial: 75
Acq On    : 2-15-11 16:25:03                        Operator: LAC
Sample    : 110127A LCS-1 5/1000                    Inst    : Apollo
Misc      : Water                                   Multiplr: 5.00
IntFile   : events.e
Quant Time: Feb 15 16:45 2011  Quant Results File: TPHD0212.RES

Method         : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title          : Diesel
Last Update    : Thu Feb 17 14:14:12 2011
Response via   : Multiple Level Calibration

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

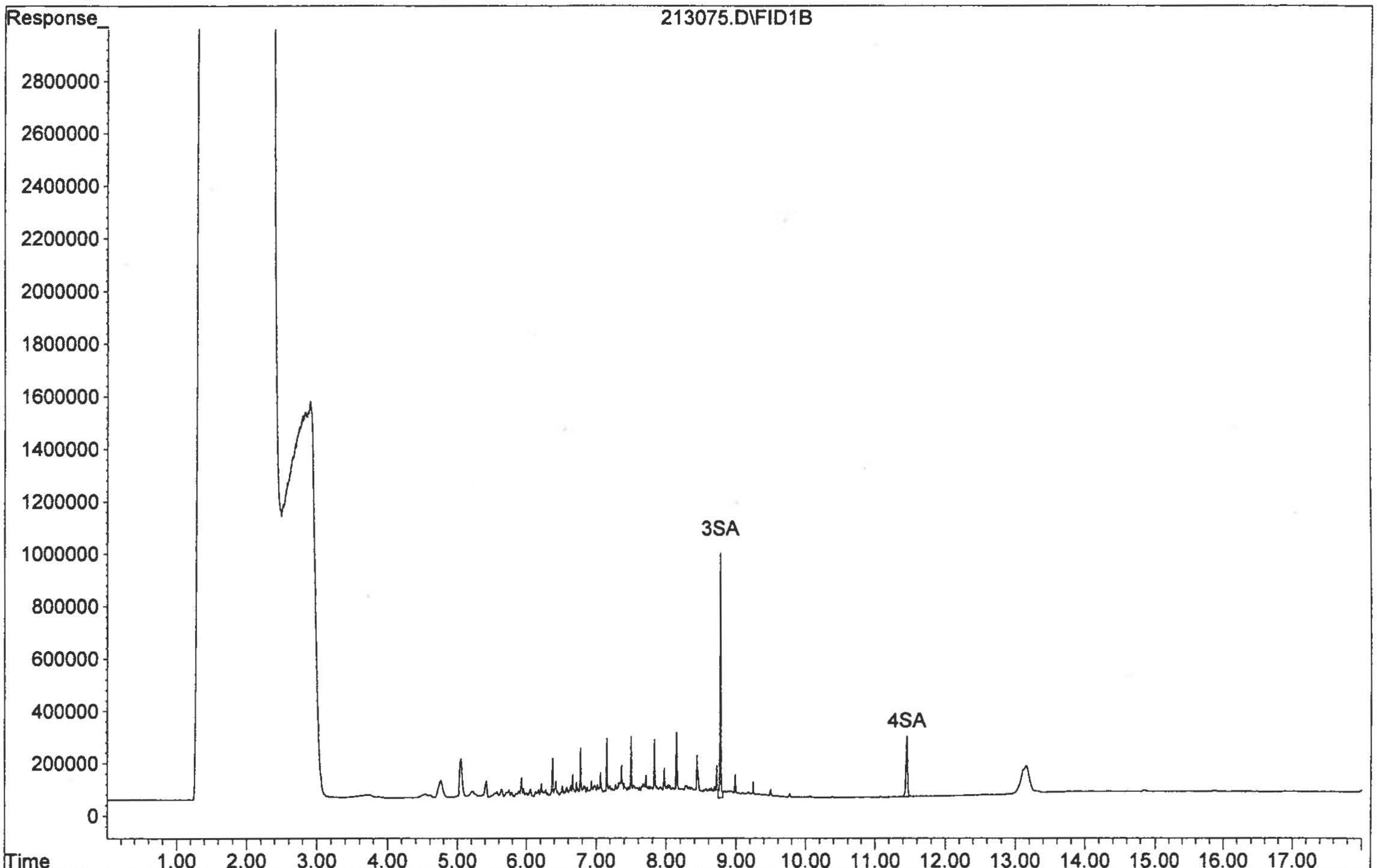
    Compound                       R.T.      Response    Conc Units
  ------------------------------------------------------------------------

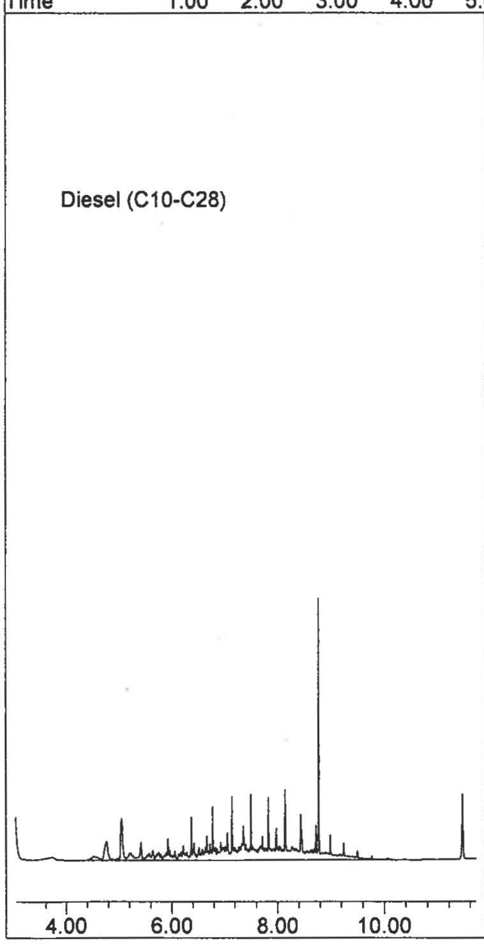
  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)         8.77        7413750   64.101 ppb
Surrogate Spike 107.465                 Recovery      =   59.65%
 4) SA  Octacosane(S)             11.46        3740076   67.206 ppb
Surrogate Spike 148.665                 Recovery      =   45.21%

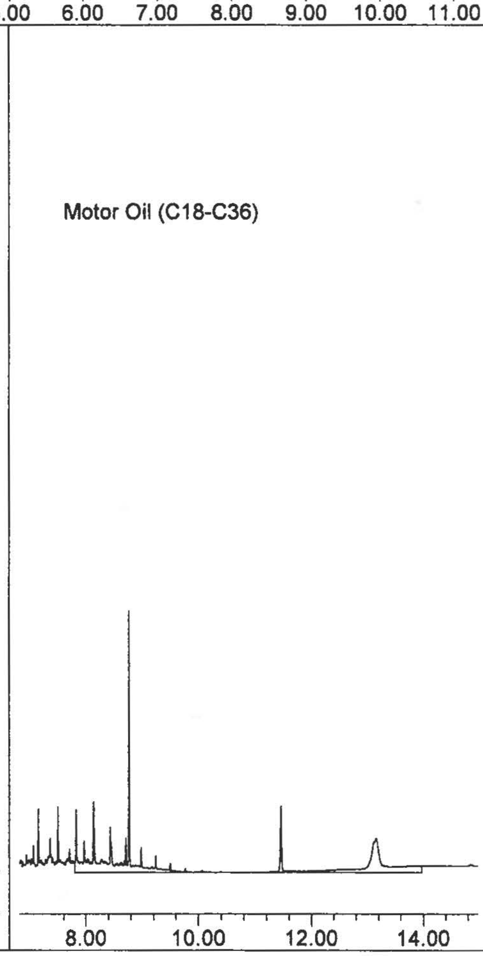
  Target Compounds
 1) HATM Diesel (C10-C28)          7.38       94475988 1238.285 ppb
 2) HBTM Motor Oil (C18-C36)      10.89       61522556 1972.857 ppb
```

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213075.D
Sample   : 110127A LCS-1 5/1000







Matrix Spike Recoveries

TPH Diesel Water

APPL ID: **110127W-30578 MS - 152149**
Batch ID: #TPETD-110127A
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
DIESEL FUEL	2000	ND	1430	1270	71.5	63.5	61-143	11.9	30
SURROGATE: OCTACOSANE (S)	149	NA	69.7	69.3	46.8	46.5	28-142		
SURROGATE: ORTHO-TERPHENYL (S)	107	NA	68.6	64.8	64.1	60.6	57-132		

Comments: ____________________

Primary	SPK	DUP
Quant Method :	TPHD0212.M	TPHD0212.M
Extraction Date :	1/27/2011	1/27/2011
Analysis Date :	2/15/2011	2/15/2011
Instrument :	Apollo	Apollo
Run :	213071	213072
Initials :	LA	

Printed: 2/17/2011 4:17:42 PM
APPL MSD SCII

Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110213\213071.D                 Vial: 71
Acq On    : 2-15-11 14:49:42                          Operator: LAC
Sample    : AY30578W14 MS-1 5/1000                    Inst    : Apollo
Misc      : Water                                     Multiplr: 5.00
IntFile   : events.e
Quant Time: Feb 15 16:49 2011  Quant Results File: TPHD0212.RES

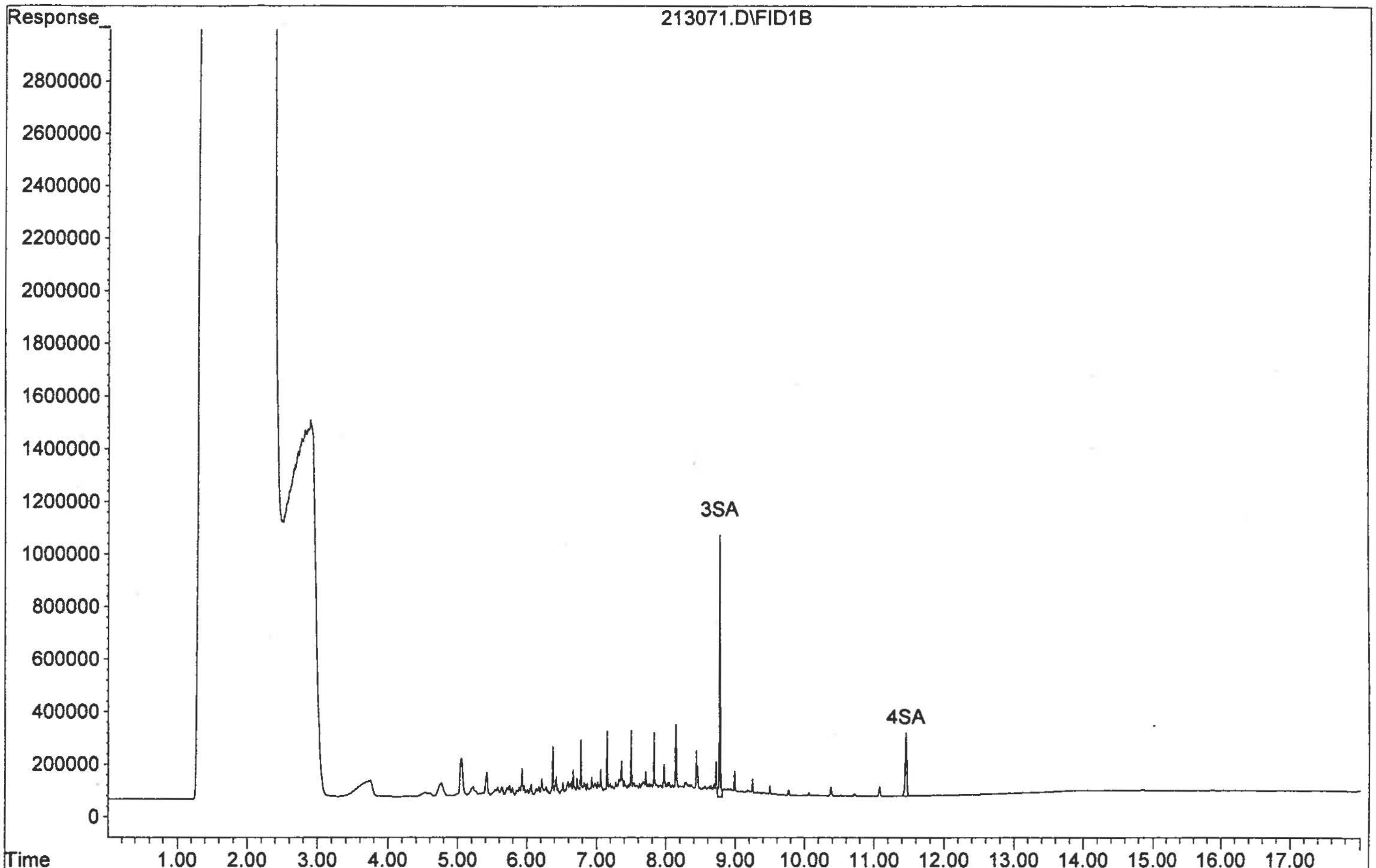
Method        : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title         : Diesel
Last Update   : Thu Feb 17 14:14:12 2011
Response via  : Multiple Level Calibration

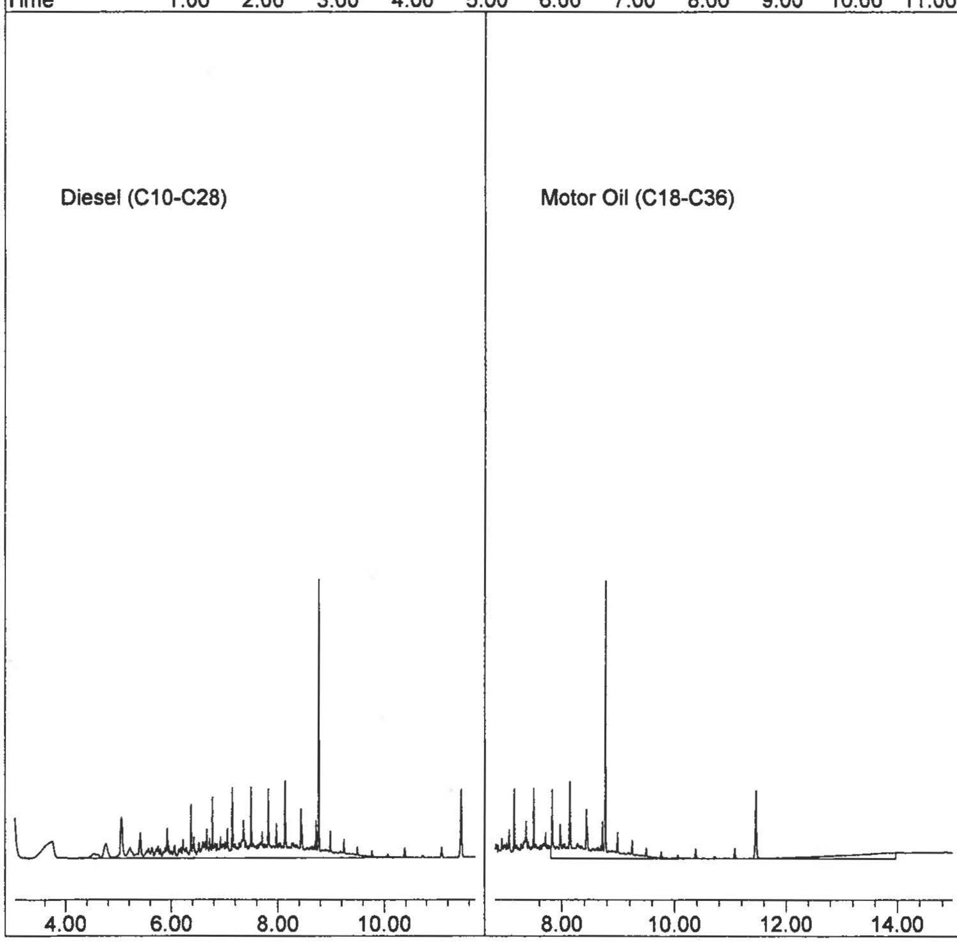
Volume Inj.   : 2UL
Signal Phase  : DB-5
Signal Info   : FID02A
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.77	7938592	68.639 ppb
Surrogate Spike 107.465		Recovery =	63.87%
4) SA Octacosane(S)	11.46	3879613	69.713 ppb
Surrogate Spike 148.665		Recovery =	46.89%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	109898939	1430.504 ppb
2) HBTM Motor Oil (C18-C36)	10.89	55033382	1759.978 ppb

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213071.D
Sample   : AY30578W14 MS-1 5/1000





Quantitation Report (Not Reviewed)

```
Data File : G:\APOLLO\DATA\110213\213072.D                  Vial: 72
Acq On    : 2-15-11 15:13:38                            Operator: LAC
Sample    : AY30578W13 MSD-1 5/1000                     Inst    : Apollo
Misc      : Water                                       Multiplr: 5.00
IntFile   : events.e
Quant Time: Feb 17 16:24 2011  Quant Results File: TPHD0212.RES

Method         : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title          : Diesel
Last Update    : Thu Feb 17 14:14:12 2011
Response via   : Multiple Level Calibration

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

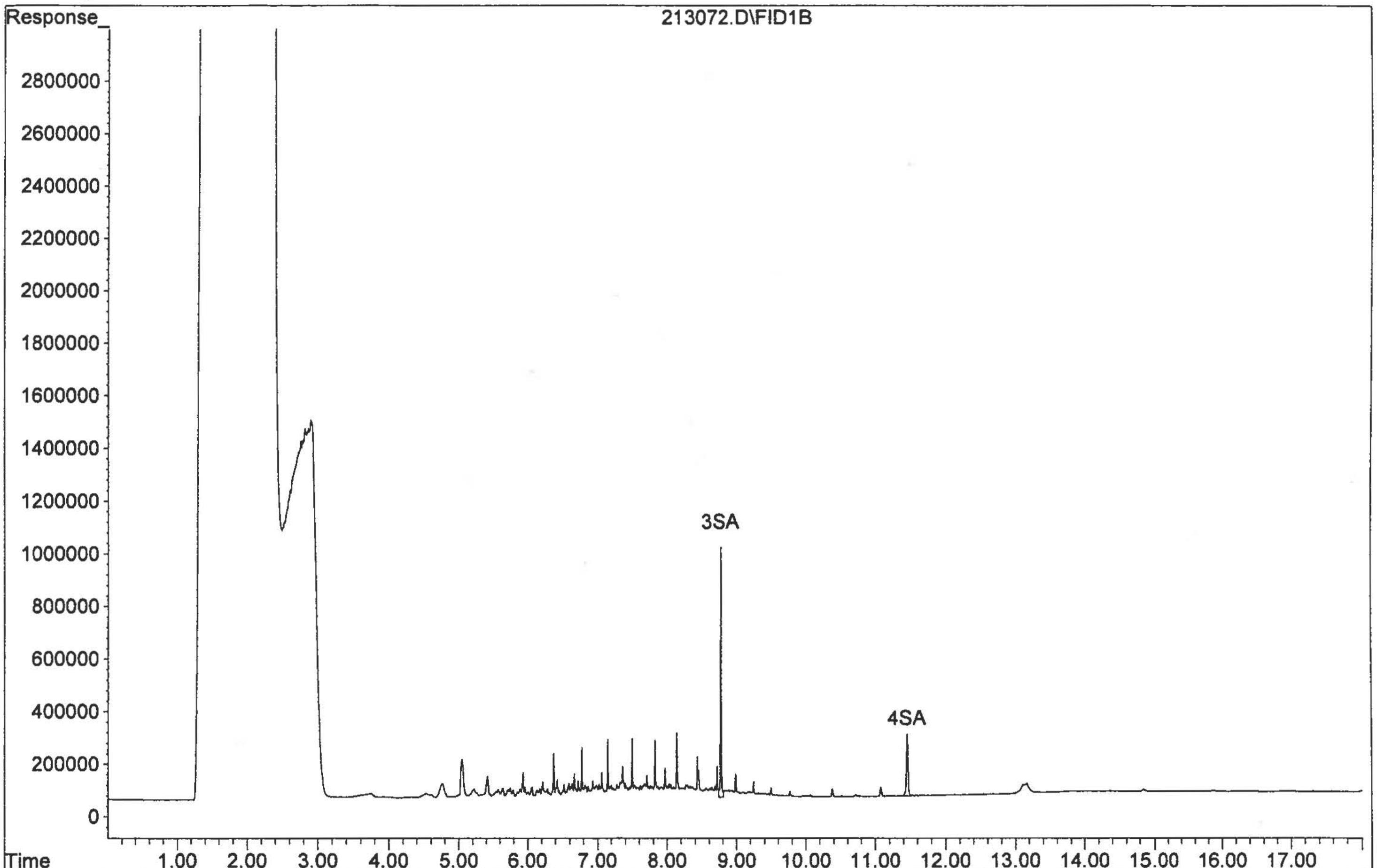
      Compound                      R.T.      Response    Conc Units
  ----------------------------------------------------------------------

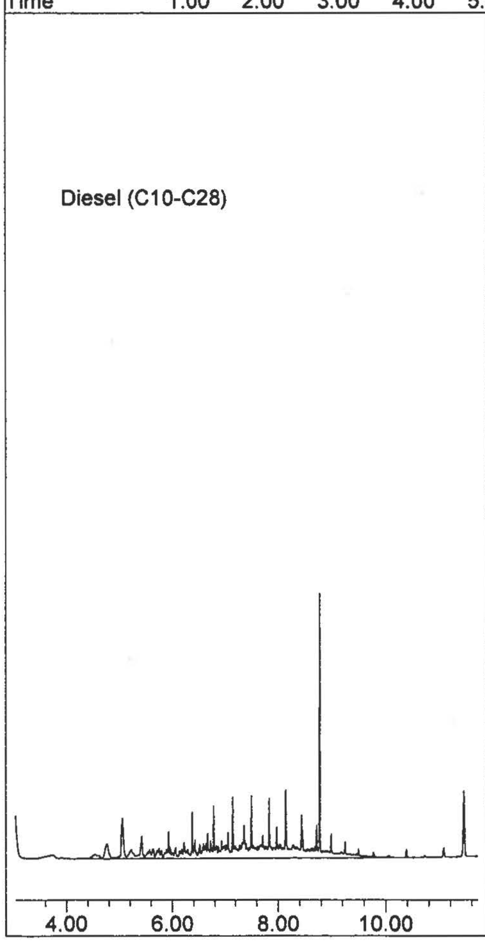
  System Monitoring Compounds
 3) SA  Ortho-Terphenyl(S)          8.77       7489811   64.759 ppb
Surrogate Spike 107.465                  Recovery     =   60.26%
 4) SA  Octacosane(S)              11.46       3857566   69.317 ppb
Surrogate Spike 148.665                  Recovery     =   46.63%

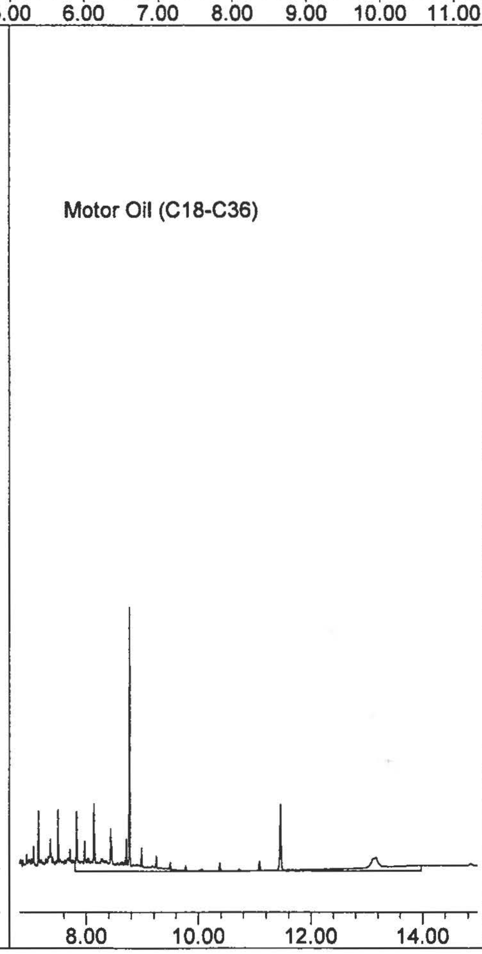
  Target Compounds
 1) HATM Diesel (C10-C28)           7.38      97299721 1273.478 ppb
 2) HBTM Motor Oil (C18-C36)       10.89      52957325 1691.873 ppb
```

Quantitation Report

Data File: G:\APOLLO\DATA\110213\213072.D
Sample   : AY30578W13 MSD-1 5/1000







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

061

Pac Eco Cal Curve *Not Recorded on 9/21

PREP:	9/21/2010											
PAC ECO CURVE												
EXP:	12/25/2010											
	ID#	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL	µL
	PAC ECO CAL STD	5		9/13/2010	12/25/2010	2	10	50	200	500	700	1000
VWR	Hexane		052110A			998	990	950	800	500	300	N/A
					Final Vol.	1000	1000	1000	1000	1000	1000	1000

LAE 9/23/10

STC 9/24/10

DIESEL CAL STD.

STD.	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT / LOT#
DIESEL FUEL #2	50,000 ug/mL	O2SI CAT#116300-01 LOT#146946-24150 OP:9/24/10 EXP:9/24/11	1mL	50mL	1000ug/mL	MC LOT# 061510B
O-TERPHENYL OCTACOSANE	5000 ug/mL	O2SI CAT#110316-02 LOT#152373-25329 OP:9/24/10 EXP:9/24/10	0.5mL		50ug/mL	

STC 9/24/10
exp 3/24/11

o2si smart solutions
Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
Cat. No: 011598-03 Exp: 9/13/2013
Lot No: 149530 Storage: <=-10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
Diesel Fuel #2 Composite
Lot #: 149530 - 25265
Rec: 10/8/09 MFR exp. 09/13/13
Opened: 9/24/10 exp. 9/24/11

STC 9/24/10

STC 9/24/10

DIESEL SECOND SOURCE

STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT / LOT#
DIESEL FUEL #2	50,000 ug/mL	O2SI CAT#011598-03 LOT#156524-26178 OP:4/5/10 EXP:4/5/11	0.2mL	25mL	400ug/mL	MC LOT# 061510B
O-TERPHENYL OCTACOSANE	5000 ug/mL	O2SI CAT#110316-02 LOT#152373-25329 OP:9/24/10 EXP:9/24/10	0.1mL		20ug/mL	

STC 9/24/10
~~STC 9/24/10~~
~~exp 9~~
exp 3/24/11

STC 9/24/10

o2si smart solutions
o-Terphenyl/Octacosane Solution, 5,000 mg/L, 1 ml
Cat. No: 110316-02 Exp: 11/1/2012
Lot No: 152373 Storage: <=-10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
o-Terphenyl/Octacosane, 5000mg/L
Lot #: 152373 - 25329
Rec: 11/4/09 MFR exp. 11/01/12
Opened: 9/24/10 exp. 9/24/11

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

005

LAC 1/4/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		09/24/10	03/24/10	10	100	4000	600	800	1000
MC		091310C			990	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

LAC 1/4/11 EX 3/24/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		09/24/10	03/24/10	50	100	400	600	800	1000
MC		091310C			950	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

LAC 1/4/11 Ex: 3/24/11

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#156524-27195 OP:1/5/11 EXP:1/5/12	1mL	50mL	1000ug/mL	MC LOT# 110510F
O-TERPHENYL OCTACOSANE	5000 ug/mL	O2SI CAT#110316-02 LOT#152373-25693 OP:1/5/11EXP:1/5/12	0.5mL		50ug/mL	

1/5/11

1/5/11 Ex: 7/5/11

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#161898-27580 OP:1/5/11 EXP:1/5/12	1mL	50mL	1000ug/mL	MC LOT# 110510F

1/5/11

1/5/11 Ex: 7/5/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	4000	600	800	1000
MC		110510F			990	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

1/5/11 Ex: 7/5/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	6000	400	200	NA
				Final VOL.	1000	1000	10,000	1000	1000	1000

1/5/11 Ex: 7/5/11

1/5/11

1/5/11

DIESEL 2nd Src 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
Lot:149530-25265		09/24/10	03/24/11			110510F

1/5/11 Ex: 3/24/11

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

011

THC SURROGATE (* GAVE TO EXTRACTION)

O-TERPHENYL	60ug/ml	O2SI	N/A	25mL	60ug/ml	N/A	
OCTACOSANE		CAT: 110316-05					1/13/11
		LOT: 164819-28052					EX: 1/13/12
		OP: 1/13/11					
		EX: 1/13/12					

1/13/11

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
		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

MOTOR OIL CCV 400UG/ML						
STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
	1000UG/ML	O2SI	400µL	1mL	400 UG/ML	MC
MOTOR OIL STD		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

TCQ CCV LEVEL 3 AND 4

TRICLOPYR	2ug/ml	TCQ STD	LVL-3) 50ml	1mL	0.1ug/ml	MTBE	
CLOPYRALID		PREP: 11/5/10	LVL-4) 100ml	1mL	0.2ug/ml	#49324	1/14/11
QUINCLORAC		EX: 1/21/11					EX 1/21/11

TCQ CURVE											
SUPPLIER	ID#	[µg/mL]	LOT #	DATE	EXP. DATE	mL	mL	mL	mL	mL	mL
	TCQ STD	2		11/05/10	01/21/11	5	10	50	100	200	500
VWR	MTBE		49324			995	990	950	900	800	500
					Final VOL.	1000	1000	1000	1000	1000	1000

1/14/11
1/14/11
EX: 1/21/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	400	600	800	1000
MC		110510F			990	900	600	400	200	NA
				Final VOL.	1000	1000	1000	1000	1000	1000

1/17/11
EX: 7/5/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

1/17/11
EX: 7/5/11

1/17/11

DIESEL 2nd Src 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
Lot:149530-25265		09/24/10	03/24/11			110510F

1/17/11
EX: 3/24/11

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

011

THC SURROGATE (* GAVE TO EXTRACTION)

O-TERPHENYL	60ug/ml	O2SI	N/A	25mL	60ug/ml	N/A	
OCTACOSANE		CAT: 110316-05					1/13/11
		LOT: 164819-28052					EX: 1/13/12
		OP: 1/13/11					
		EX: 1/13/12					

1/13/11

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
		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

MOTOR OIL CCV 400UG/ML						
STANDARD	INITIAL CONC.	SOURCE DATE	ALIQUOT	FINAL VOL	FINAL CONC.	SOLVENT /LOT#
	1000UG/ML	O2SI	400µL	1mL	400 UG/ML	MC
MOTOR OIL STD		01/05/11	07/05/11			110510F

1/13/11
EX: 7/5/11

TCQ CCV LEVEL 3 AND 4

TRICLOPYR	2ug/ml	TCQ STD	LVL-3) 50ul	1mL	0.1ug/ml	MTBE	1/14/11
CLOPYRALID		PREP: 11/5/10	LVL-4) 100ul	1mL	0.2ug/ml	#49324	
QUINCLORAC		EX: 1/21/11					EX 1/21/11

TCQ CURVE											
SUPPLIER	ID#	[µg/mL]	LOT #	DATE	EXP. DATE	mL	mL	mL	mL	mL	mL
	TCQ STD	2		11/05/10	01/21/11	5	10	50	100	200	500
VWR	MTBE		49324			995	990	950	900	800	500
					Final VOL.	1000	1000	1000	1000	1000	1000

1/14/11

1/14/11
EX: 1/21/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	400	600	800	1000
MC		110510F			990	900	600	400	200	NA
				Final VOL.	1000	1000	1000	1000	1000	1000

1/17/11
EX: 7/5/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

1/17/11
1/17/11
EX: 7/5/11

DIESEL 2nd Src 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
Lot:149530-25265		09/24/10	03/24/11			110510F

1/17/11
1/17/11
EX: 3/24/11

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

013

HERBICIDE CCVS LVL 3 & 4

COMPOUND	CONC IN MIX (ug/ml)	CONC OF STOCK (ug/ml)	ALIQUOT (uL)	STOCK SOURCE	FINAL VOL (ml) SOLVENT
HERBICIDE MIX	100 200	VARIOUS	100 200	HERB STD PREP: 1/20/11 EXP: 7/20/11	1mL MTBE LOT : 49324

1/21/11
Ex: 7/20/11
1/21/11

DIESEL SPIKE

DIESEL FUEL #2	50,000 ug/ml	O2SI	2000 ul	50 ML	2000 ug/ml	MC # 112910A	1/21/11 Ex: 4/21/11

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
011598-03
Lot # 167768 Storage ≤-10 Degrees C Expiry 2/15/15
Solv: Methylene Chloride
RAD only, not human consumption. Made in the USA
Diesel Fuel #2 Composite
Lot #: 167768 - 28179
Rec: 1/20/11 MFR exp. 02/15/15

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
011598-03
Lot # 167768 Storage ≤-10 Degrees C Expiry 2/15/15
Solv: Methylene Chloride
RAD only, not human consumption. Made in the USA
Diesel Fuel #2 Composite
Lot #: 167768 - 28178
Rec: 1/20/11 MFR exp. 02/15/15

1/21/11

OCL DEGRADATION CHECK

VARIOUS ANALYTES	100 ug/ml	O2SI	250 ul	50 ML	0.5 ug/ml	HEXANE # 082610B	1/21/11 Ex: 7/21/11

o2si smart solutions
Phone: (843) 763-4884
Fax: (843) 766-9182
OC Pesticide Degradation Check Solution, 100 mg/L, 1 ml
Cat. No: 130109-01 Exp: 8/5/2011
Lot No: 137696 -22581 Storage: </= -10 Degrees C
Solvent: M-t-BE
Not for Human Consumption For Research Use Only
Made in USA Date Opened: 1/21/11
Ex: 8/5/11

1/21/11

TIN SURROGATE

COMPOUND	CONC IN MIX	CONC OF STOCK	ALIQUOT	STOCK SOURCE	FINAL VOL.
Tetra-n-propyltin	5 µg/ml	2000 µg/ml	125 ul	RESTEK CAT#: 31474 LOT#: A071818-26540 OP: 9/21/10 EXP: 9/21/11	50ml MC 110510F

1/24/11
1/24/11
Ex: 4/24/11

TIN SPIKE

COMPOUND	CONC IN MIX	CONC OF STOCK	ALIQUOT	STOCK SOURCE	FINAL VOL.
Tetrabutylin chloride Dibutylin chloride Butylin chloride	20 µg/ml	2000 ug/ml	250 ul	RESTEK Cat# 31472 lot# A060097-24073 open: 4/29/10 exp: 4/29/11	25ml MC 110510F

1/24/11
1/24/11
Ex: 4/24/11

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

2/9/11

HERBICIDE CALIBRATION CURVE					
COMPOUND	CONC IN MIX (ug/ml)	CONC OF STOCK (ug/ml)	ALIQUOT (uL)	STOCK SOURCE	FINAL VOL (ml) SOLVENT
HERBICIDE	15	VARIOUS	15 µL	HERB CAL. STD PREP	1
CURVE	50		50 µL	PREP: 2/9/11	MTBE
	100		100 µL	EXP: 8/9/11	
	200		200 µL	CONC.: VARIOUS	LOT # 50112
	300		300 µL		
	400		400 µL		
HERBICIDE		VARIOUS		HERB 2nd SOURCE	
SECOND SOURCE	200		200 µL	PREP: 12/2/10 EXP: 6/2/11	

2/9/11 Ex: 8/9/11

2/9/11 Ex: 6/2/11

LAC 2/12/11

DIESEL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
DIESEL	1000		01/05/11	07/05/11	10	100	400	600	800	1000
MC		110510F			990	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

LAC 2/12/11 Ex: 7/5/11

MOTOR OIL CURVE										
STD	[µg/mL]	LOT #	DATE	EXP. DATE	µL	µL	µL	µL	µL	µL
MOTOR OIL	1000		01/05/11	07/05/11	50	100	400	600	800	1000
MC		110510F			950	900	600	400	200	NA
				Final VOL.	1000	1000	1,000	1000	1000	1000

LAC 2/12/11 Ex: 7/5/11

LAC 2/12/11

DIESEL 2nd Src 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
Lot:149530-25265		09/24/10	03/24/11			110510F

LAC 2/12/11 Ex: 3/24/11

TECHNICAL CHLORDANE AMPULE *GAVE TO EXTRACTION*

TECHNICAL CHLORDANE	1000mg/mL	O2SI	N/A	1mL	1000mg/mL	N/A	2/14/11 Ex: 2/14/12

o2si Chlordane (Technical Mixture) Solution, 1,000 mg/L, 1 ml
Cat. No: 031088-01 Exp: 5/1/2013
Lot No: 158613 Storage: <= 6 Degrees C
Solvent: Hexane
For Research Use Only
Chlordane (Tech Mix)
Lot #: 158613 - 27201
Rec. 9/10/10 MFR exp. 05/01/13
Opened: 2/14/11 EX: 2/14/12

2/14/11

Organic Extraction Worksheet

Method	THC Separatory Funnel Extraction 3510C	Extraction Set	110127A	Extraction Method	SEP011	Units	mL

Spiked ID 1	Diesel Spike 1/21/11 EX 4/21/11	Surrogate ID 1	THC Surrogate 164819-28051	
Spiked ID 2	Motor Oil Spike 1/11/11 EX 4/11/11	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:	yes	
Spiked ID 7		Ext. Start Time:		
Spiked ID 8		Ext. End Time:		
		GC Requires Extract By:	02/04/11 0:00	
		pH1		W Bath Temp 80 °C
		pH2		
		pH3		

Spiked By: KY **Date** 01/27/11 **Witnessed By:** CC **Date** 01/27/11

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	110127A Blk				0.250	1	1000	5	7	01/27/11 16:25	
2	110127A LCS-1		1	1	0.250	1	1000	5	7	01/27/11 16:25	
3	110127A LCS-2		1	2	0.250	1	1000	5	7	01/27/11 16:25	
4	AY30409	AY30409W11			0.250	1	1050	5	7	01/27/11 16:25	63697-2 week rush -- Amber Liter
5	AY30575	AY30575W06			0.250	1	1040	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
6	AY30576	AY30576W08			0.250	1	1040	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
7	AY30577	AY30577W06			0.250	1	1040	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
8	AY30578 MS-1	AY30578W14	1	1	0.250	1	1000	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
9	AY30578 MSD-1	AY30578W13	1	1	0.250	1	1000	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
10	AY30578 MS-2	AY30578W12	1	2	0.250	1	990	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
11	AY30578 MSD-2	AY30578W16	1	2	0.250	1	1010	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
12	AY30578	AY30578W17			0.250	1	990	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter
13	AY30579	AY30579W06			0.250	1	1000	5	7	01/27/11 16:25	63706-2 week rush -- Amber Liter

HM 1/28/11

Solvent and Lot#	
MC	VWR 110510F
Na2SO4	1750C276

Extraction COC Transfer	
Extraction lab employee Initials	HM
GC analyst's initials	[signature]
Date	1/28/11
Time	17:22
Refrigerator	HOBART

	Technician's Initials
Scanned By	HM
Sample Preparation	CC
Extraction	CC
Concentration	CC
Modified	01/27/11 1:42:10 PM

Reviewed By: HM **Date** 01/28/11

Injection Log

Directory: G:\APOLLO\DATA\110212\110216

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	212004.D	1	DIESEL 10/1000	Mix(A)	2-12-11 14:52:03
2	5	212005.D	1	DIESEL 100/1000	Mix(A)	2-12-11 15:17:04
3	6	212006.D	1	DIESEL 400/1000	Mix(A)	2-12-11 15:42:04
4	7	212007.D	1	DIESEL 600/1000	Mix(A)	2-12-11 16:07:02
5	8	212008.D	1	DIESEL 800/1000	Mix(A)	2-12-11 16:32:01
6	9	212009.D	1	DIESEL 1000/1000	Mix(A)	2-12-11 16:56:56
7	16	212016.D	1	DIESEL 400/1000 2ND SRC	Mix(A)	2-12-11 19:49:59
8	59	213059.D	1	DIESEL 600/1000	Mix(A)	2-15-11 9:50:04
9	70	213070.D	4.80769	AY30577W06 5/1040	Water	2-15-11 14:25:48
10	71	213071.D	5	AY30578W14 MS-1 5/1000	Water	2-15-11 14:49:42
11	72	213072.D	5	AY30578W13 MSD-1 5/1000	Water	2-15-11 15:13:38
12	75	213075.D	5	110127A LCS-1 5/1000	Water	2-15-11 16:25:03
13	79	213079.D	1	DIESEL 400/1000	Mix(A)	2-15-11 18:04:53
14	90	213090.D	4.80769	AY30576W08 5/1040	Water	2-15-11 22:27:43
15	92	213092.D	5	AY30579W06 5/1000	Water	2-15-11 23:15:21
16	93	213093.D	1	DIESEL 400/1000	Mix(A)	2-15-11 23:39:09
17	2	216002.D	1	DIESEL 400/1000	Mix(A)	2-16-11 14:52:55
18	4	216004.D	4.80769	AY30575W06 5/1040	Water	2-16-11 15:40:16
19	6	216006.D	5.05051	AY30578W17 5/990	Water	2-16-11 16:47:58
20	18	216018.D	1	DIESEL 400/1000	Mix(A)	2-16-11 21:31:23
21	33	216033.D	1	DIESEL 600/1000	Mix(A)	2-17-11 8:53:40
22	42	216042.D	5	110127A BLK 5/1000	Water	2-17-11 12:27:25
23	47	216047.D	1	DIESEL 400/1000	Mix(A)	2-17-11 14:26:19

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: **110126W-30578 - 151631**
Batch ID: #SIMHC-110126A

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	01/26/11	01/31/11
BLANK	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
BLANK	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
BLANK	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
BLANK	SURROGATE: 2-FLUORBIPHENY	54.8	50-110			%	01/26/11	01/31/11
BLANK	SURROGATE: NITROBENZENE-	64.9	40-110			%	01/26/11	01/31/11
BLANK	SURROGATE: TERPHENYL-D14 (	66.4	50-135			%	01/26/11	01/31/11

Quant Method: SIM2.M
Run #: 0131L003
Instrument: Linus
Sequence: L110107
Initials: LF

GC SC-Blank-REG MDLs
Printed: 02/01/11 3:02:25 PM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc.
Case No: 63706
Matrix: WATER

SDG No: 63706
Date Analyzed: 01/31/11
Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: 2-FLUORBIPHENYL (S)	SURROGATE: NITROBENZENE-D5 (S)
110126A-BLK	Blank	54.8	64.9
110126A-LCS	Lab Control Spike	59.0	69.5
AY30575	ES015	56.6	68.7
AY30576	ES014	54.3	64.5
AY30577	ES016	50.3	54.4
AY30578-MS	Matrix Spike	54.0	65.5
AY30578-MSD	Matrix SpikeD	63.0	65.5
AY30578	ES017	53.8	62.1
AY30579	ES018	61.2	56.5

Comments: Batch: #SIMHC-110126A

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc.
Case No: 63706
Matrix: WATER

SDG No: 63706
Date Analyzed: 01/31/11
Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: TERPHENYL-D14 (S)
110126A-BLK	Blank	66.4
110126A-LCS	Lab Control Spike	67.5
AY30575	ES015	60.0
AY30576	ES014	61.8
AY30577	ES016	54.0
AY30578-MS	Matrix Spike	58.5
AY30578-MSD	Matrix SpikeD	67.5
AY30578	ES017	50.4
AY30579	ES018	57.7

Comments: Batch: #SIMHC-110126A

Laboratory Control Spike Recovery
EPA 8270D SIM

APPL ID: **110126W-30578 LCS - 151631**
Batch ID: #SIMHC-110126A

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	2.25	56.3	45-105
2-METHYLNAPHTHALENE	4.00	2.26	56.5	45-105
ACENAPHTHENE	4.00	2.44	61.0	45-110
ACENAPHTHYLENE	4.00	2.24	56.0	50-105
ANTHRACENE	4.00	2.39	59.8	55-110
BENZO(A)ANTHRACENE	4.00	2.52	63.0	55-110
BENZO(A)PYRENE	4.00	2.60	65.0	55-110
BENZO(B)FLUORANTHENE	4.00	2.55	63.7	45-120
BENZO(GHI)PERYLENE	4.00	2.59	64.8	40-125
BENZO(K)FLUORANTHENE	4.00	2.85	71.3	45-125
CHRYSENE	4.00	2.75	68.8	55-110
DIBENZ(A,H)ANTHRACENE	4.00	2.70	67.5	40-125
FLUORANTHENE	4.00	2.77	69.3	55-115
FLUORENE	4.00	2.58	64.5	50-110
INDENO(1,2,3-CD)PYRENE	4.00	2.77	69.3	45-125
NAPHTHALENE	4.00	2.32	58.0	40-100
PHENANTHRENE	4.00	2.68	67.0	50-115
PYRENE	4.00	2.64	66.0	50-130
SURROGATE: 2-FLUORBIPHENYL (S)	2.00	1.18	59.0	50-110
SURROGATE: NITROBENZENE-D5 (S)	2.00	1.39	69.5	40-110
SURROGATE: TERPHENYL-D14 (S)	2.00	1.35	67.5	50-135

Comments:

Primary	**SPK**
Quant Method :	SIM2.M
Extraction Date :	01/26/11
Analysis Date :	01/31/11
Instrument :	Linus
Run :	0131L004
Initials :	LF

Printed: 02/01/11 3:02:32 PM

APPL Standard LCS

Matrix Spike Recoveries
EPA 8270D SIM

APPL ID: **110126W-30578 MS - 151631**
Batch ID: #SIMHC-110126A
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	4.00	ND	2.20	2.22	55.0	55.5	45-105	0.90	25
2-METHYLNAPHTHALENE	4.00	ND	2.09	2.13	52.3	53.3	45-105	1.9	25
ACENAPHTHENE	4.00	ND	2.17	2.68	54.3	67.0	45-110	21.0	25
ACENAPHTHYLENE	4.00	ND	2.12	2.11	53.0	52.8	50-105	0.47	25
ANTHRACENE	4.00	ND	2.05	2.40	51.2 #	60.0	55-110	15.7	25
BENZO(A)ANTHRACENE	4.00	ND	2.04	2.58	51.0 #	64.5	55-110	23.4	25
BENZO(A)PYRENE	4.00	ND	2.21	2.51	55.3	62.7	55-110	12.7	25
BENZO(B)FLUORANTHENE	4.00	ND	2.13	2.62	53.3	65.5	45-120	20.6	25
BENZO(GHI)PERYLENE	4.00	ND	2.10	2.52	52.5	63.0	40-125	18.2	25
BENZO(K)FLUORANTHENE	4.00	ND	2.25	2.47	56.3	61.8	45-125	9.3	25
CHRYSENE	4.00	ND	2.25	2.65	56.3	66.3	55-110	16.3	25
DIBENZ(A,H)ANTHRACENE	4.00	ND	2.23	2.59	55.8	64.8	40-125	14.9	25
FLUORANTHENE	4.00	ND	2.25	2.76	56.3	69.0	55-115	20.4	25
FLUORENE	4.00	ND	2.23	2.68	55.8	67.0	50-110	18.3	25
INDENO(1,2,3-CD)PYRENE	4.00	ND	2.24	2.73	56.0	68.3	45-125	19.7	25
NAPHTHALENE	4.00	ND	2.12	2.08	53.0	52.0	40-100	1.9	25
PHENANTHRENE	4.00	ND	2.28	2.70	57.0	67.5	50-115	16.9	25
PYRENE	4.00	ND	2.15	2.74	53.8	68.5	50-130	24.1	25
SURROGATE: 2-FLUORBIPHENYL (S)	2.00	NA	1.08	1.26	54.0	63.0	50-110		
SURROGATE: NITROBENZENE-D5 (S)	2.00	NA	1.31	1.31	65.5	65.5	40-110		
SURROGATE: TERPHENYL-D14 (S)	2.00	NA	1.17	1.35	58.5	67.5	50-135		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	SIM2.M	SIM2.M
Extraction Date :	01/26/11	01/26/11
Analysis Date :	01/31/11	01/31/11
Instrument :	Linus	Linus
Run :	0131L013	0131L014
Initials :	LF	

Printed: 02/01/11 3:02:39 PM
APPL MSD SCII

8270D-SIM

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	63706
Case No:	63706	Date Analyzed:	01/31/11
Matrix:	WATER	Instrument:	Linus
Blank ID:	110126A-BLK	Time Analyzed:	1038

APPL ID.	Client Sample No.	File ID.	Date Analyzed
110126A-BLK	Blank	0131L003	01/31/11 1038
110126A-LCS	Lab Control Spike	0131L004	01/31/11 1104
AY30575	ES015	0131L010	01/31/11 1335
AY30576	ES014	0131L011	01/31/11 1401
AY30577	ES016	0131L012	01/31/11 1426
110126A-MS	Matrix Spike	0131L013	01/31/11 1451
110126A-MSD	Matrix SpikeD	0131L014	01/31/11 1516
AY30578	ES017	0131L015	01/31/11 1542
AY30579	ES018	0131L016	01/31/11 1607

Comments: Batch: #SIMHC-110126A

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 63706
Matrix: Water
ID: SVTUNE 04-12-10

SDG No: 63706
Date Analyzed: 01/31/11
Instrument: Linus
Time Analyzed: 9:55

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Blank	110126A BLK 1/1000	0131L003.D	01/31/11 10:38
2	Lab Control Spike	110126A LCS-1 1/1000	0131L004.D	01/31/11 11:04
3	ES015	AY30575W05 1/1000	0131L010.D	01/31/11 13:35
4	ES014	AY30576W05 1/950	0131L011.D	01/31/11 14:01
5	ES016	AY30577W07 1/980	0131L012.D	01/31/11 14:26
6	Matrix Spike	AY30578W18 MS-1 1/10	0131L013.D	01/31/11 14:51
7	Matrix Spike Dup	AY30578W11 MSD-1 1/1	0131L014.D	01/31/11 15:16
8	ES017	AY30578W19 1/1000	0131L015.D	01/31/11 15:42
9	ES018	AY30579W05 1/1010	0131L016.D	01/31/11 16:07
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e	Criteria	Result
51	29.95 - 60% of mass 198	38.7
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.5
127	40 - 60% of mass 198	40.9
197	0 - 1% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	7.7
275	10 - 30% of mass 198	27.4
365	1 - 100% of mass 198	3.2
441	0.01 - 100% of mass 443	79.0
442	40 - 150% of mass 198	41.2
443	17 - 23% of mass 442	20.8

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: SDG No.: 63706

Lab File ID (Standard): 0107L006.D Date Analyzed: 7 Jan 11 16:21

Instrument ID: Linus Time Analyzed: 7 Jan 11 16:21

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	4846		5.96		2598		7.97		4253		9.70	
	UPPER LIMIT	9692		6.46		5196		8.47		8506		10.20	
	LOWER LIMIT	2423		5.46		1299		7.47		2127		9.20	
	SAMPLE NO.												
01	110126A BLK 1/1000	4627		5.96		2244		7.97		4014		9.71	
02	110126A LCS-1 1/1000	4980		5.95		2554		7.97		4333		9.70	
03	AY30575W05 1/1000	4184		5.96		2205		7.96		3728		9.70	
04	AY30576W05 1/950	4675		5.96		2246		7.96		4124		9.71	
05	AY30577W07 1/980	4645		5.96		2364		7.97		4069		9.70	
06	AY30578W18 MS-1 1/1	5484		5.95		2683		7.95		4737		9.70	
07	AY30578W11 MSD-1 1/	5568		5.95		2649		7.95		4552		9.70	
08	AY30578W19 1/1000	4974		5.96		2438		7.97		4151		9.70	
09	AY30579W05 1/1010	5106		5.95		2529		7.96		4416		9.70	
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.: 63706

Lab File ID (Standard): 0107L006.D Date Analyzed: 7 Jan 11 16:21

Instrument ID: Linus Time Analyzed: 7 Jan 11 16:21

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

		Chrysene-D12(IS)			Perylene-D12(IS)				
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	8198	12.80	7099	14.41		
	UPPER LIMIT	16396	13.30	14198	14.91		
	LOWER LIMIT	4099	12.30	3550	13.91		
	SAMPLE NO.						
01	110126A BLK 1/1000	7822	12.81	6781	14.43		
02	110126A LCS-1 1/1000	8857	12.80	7616	14.42		
03	AY30575W05 1/1000	7587	12.81	6632	14.43		
04	AY30576W05 1/950	7986	12.81	7260	14.43		
05	AY30577W07 1/980	7780	12.81	7369	14.43		
06	AY30578W18 MS-1 1/1(	9584	12.80	8174	14.42		
07	AY30578W11 MSD-1 1/	9072	12.80	8058	14.42		
08	AY30578W19 1/1000	8252	12.81	7382	14.43		
09	AY30579W05 1/1010	8782	12.81	7862	14.43		
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

APPL, INC.

EPA 8270D SIM

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES015

APPL ID: AY30575

Sample Collection Date: 01/20/11

QCG: #SIMHC-110126A-151631

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	01/26/11	01/31/11
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	56.6	50-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	68.7	40-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	60.0	50-135			%	01/26/11	01/31/11

Quant Method: SIM2.M
Run #: 0131L010
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 3:02:47 PM
APPL-F1-SC-NoMC-REG MDLs

Data File : M:\LINUS\DATA\L110107\0131L010.D Vial: 10
Acq On : 31 Jan 11 13:35 Operator: LF
Sample : AY30575W05 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 1 13:58 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4184	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.96	164	2205	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	3728	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	7587	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	6632	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.25	82	1102	1.37296 ppb	0.02
Spiked Amount 2.000			Recovery	= 68.650%	
7) Surrogate Recovery (FBP)	7.20	172	2217	1.13080 ppb	0.00
Spiked Amount 2.000			Recovery	= 56.550%	
17) Surrogate Recovery (TPH)	11.57	244	3619	1.19850 ppb	0.00
Spiked Amount 2.000			Recovery	= 59.950%	

Target Compounds Qvalue

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

```
Data File : M:\LINUS\DATA\L110107\0131L010.D          Vial: 10
Acq On    : 31 Jan 11  13:35                       Operator: LF
Sample    : AY30575W05 1/1000                      Inst     : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Feb  1 13:58 2011          Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Tue Feb 01 09:35:44 2011
Response via  : Initial Calibration
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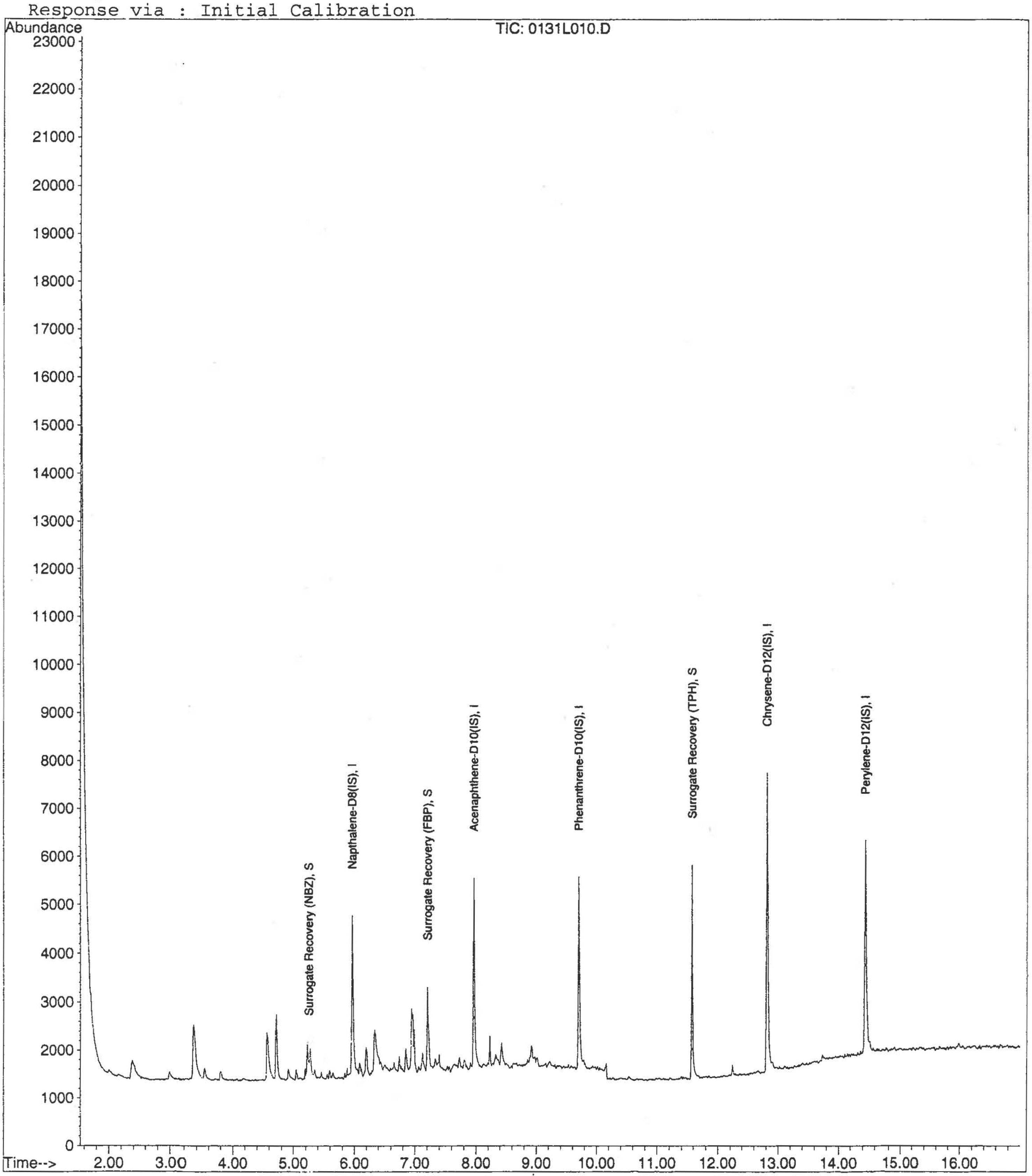


EPA 8270D SIM

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES014
Sample Collection Date: 01/20/11

ARF: 63706
APPL ID: AY30576
QCG: #SIMHC-110126A-151631

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	01/26/11	01/31/11
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	54.3	50-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	64.5	40-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	61.8	50-135			%	01/26/11	01/31/11

Quant Method: SIM2.M
Run #: 0131L011
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 3:02:47 PM
APPL-F1-SC-NoMC-REG MDLs

Data File : M:\LINUS\DATA\L110107\0131L011.D
Acq On : 31 Jan 11 14:01
Sample : AY30576W05 1/950
Misc :

Vial: 11
Operator: LF
Inst : Linus
Multiplr: 1.05

Quant Time: Feb 1 13:58 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4675	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.96	164	2246	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.71	188	4124	2.50000 ppb	0.01
15) Chrysene-D12(IS)	12.81	240	7986	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	7260	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.23	82	1157	1.35798 ppb	0.00
Spiked Amount 2.105			Recovery	= 64.505%	
7) Surrogate Recovery (FBP)	7.20	172	2169	1.14328 ppb	0.00
Spiked Amount 2.105			Recovery	= 54.293%	
17) Surrogate Recovery (TPH)	11.57	244	3927	1.30055 ppb	0.00
Spiked Amount 2.105			Recovery	= 61.798%	

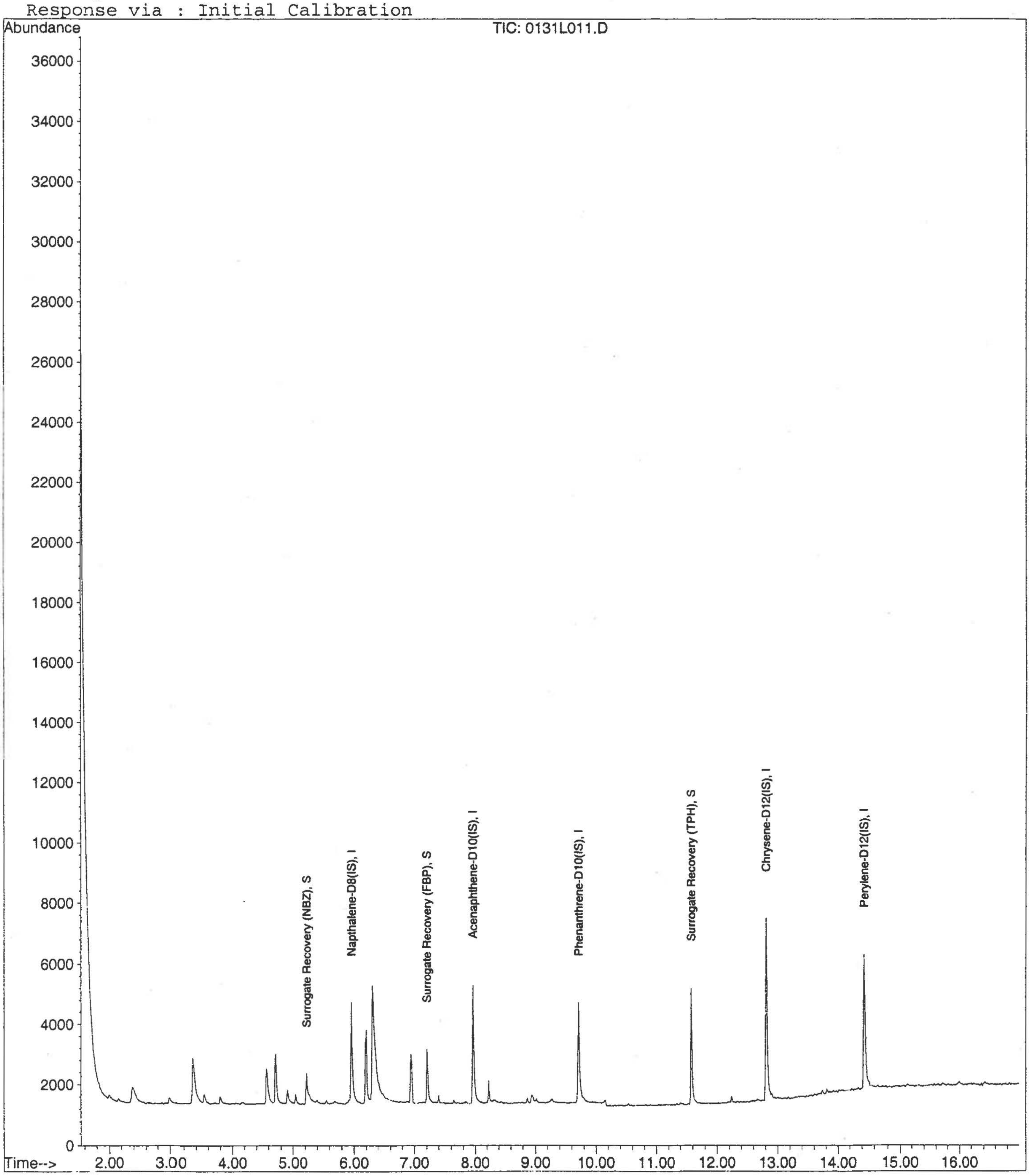
Target Compounds Qvalue

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

```
Data File : M:\LINUS\DATA\L110107\0131L011.D          Vial: 11
Acq On    : 31 Jan 11  14:01                       Operator: LF
Sample    : AY30576W05 1/950                       Inst    : Linus
Misc      :                                        Multiplr: 1.05

Quant Time: Feb  1 13:58 2011          Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Tue Feb 01 09:35:44 2011
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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES016
Sample Collection Date: 01/21/11

ARF: 63706
APPL ID: AY30577
QCG: #SIMHC-110126A-151631

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	01/26/11	01/31/11
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	50.3	50-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	54.4	40-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	54.0	50-135			%	01/26/11	01/31/11

Quant Method: SIM2.M
Run #: 0131L012
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 3:02:47 PM
APPL-F1-SC-NoMC-REG MDLs

```
Data File : M:\LINUS\DATA\L110107\0131L012.D              Vial: 12
Acq On    : 31 Jan 11  14:26                          Operator: LF
Sample    : AY30577W07 1/980                          Inst     : Linus
Misc      :                                           Multiplr: 1.02

Quant Time: Feb  1 13:59 2011             Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Tue Feb 01 09:35:44 2011
Response via  : Initial Calibration
DataAcq Meth  : 87SIMAQ
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4645	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2364	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4069	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	7780	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	7369	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.26	82	969	1.10964 ppb	0.04
Spiked Amount 2.041			Recovery =	54.390%	
7) Surrogate Recovery (FBP)	7.21	172	2116	1.02724 ppb	0.00
Spiked Amount 2.041			Recovery =	50.323%	
17) Surrogate Recovery (TPH)	11.57	244	3347	1.10299 ppb	0.00
Spiked Amount 2.041			Recovery =	54.047%	

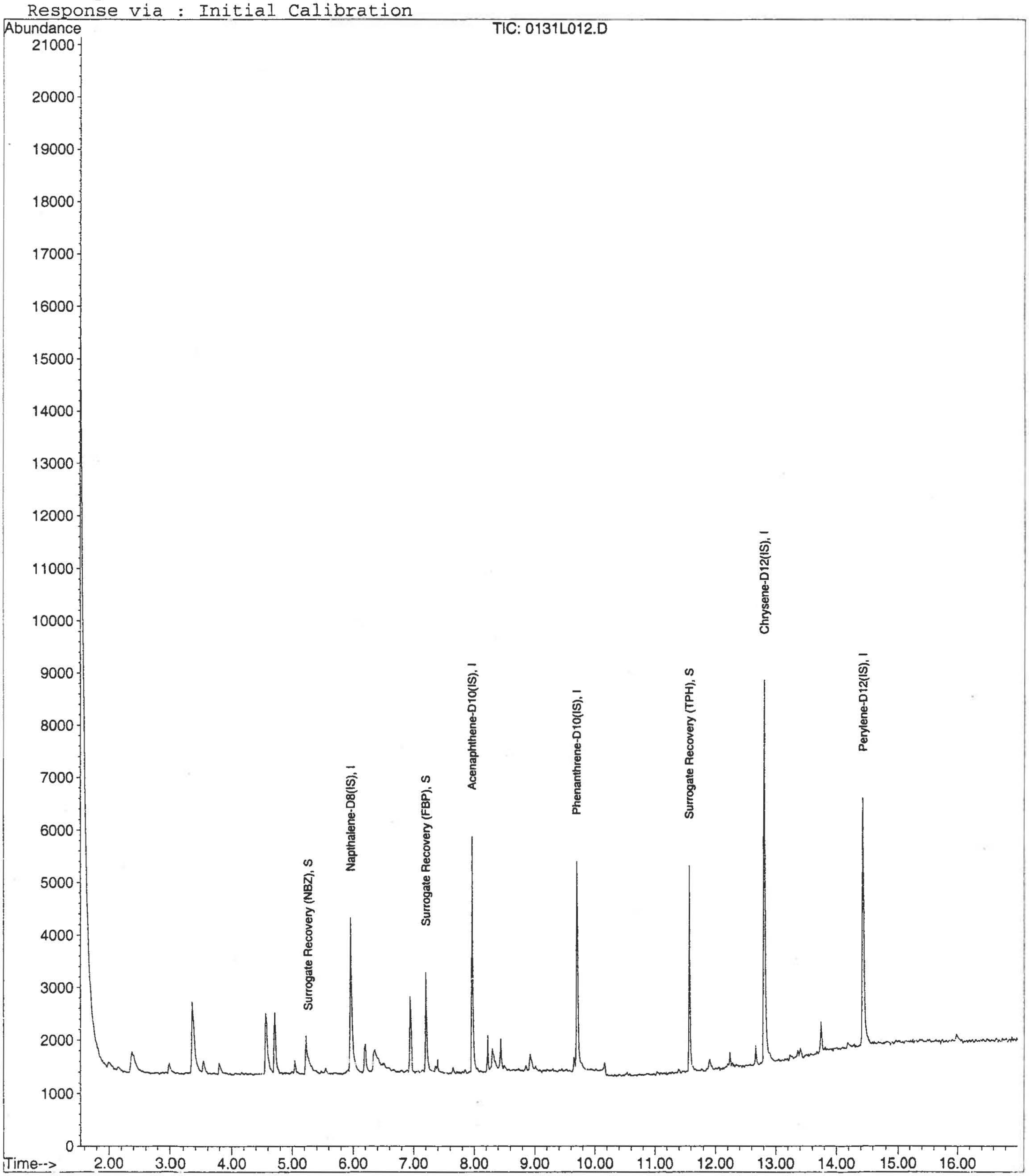
Target Compounds   Qvalue

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

```
Data File : M:\LINUS\DATA\L110107\0131L012.D          Vial: 12
Acq On    : 31 Jan 11  14:26                      Operator: LF
Sample    : AY30577W07 1/980                      Inst    : Linus
Misc      :                                       Multiplr: 1.02

Quant Time: Feb  1 13:59 2011            Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Tue Feb 01 09:35:44 2011
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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES017
Sample Collection Date: 01/21/11

ARF: 63706
APPL ID: AY30578
QCG: #SIMHC-110126A-151631

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	01/26/11	01/31/11
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	53.8	50-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	62.1	40-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	50.4	50-135			%	01/26/11	01/31/11

Quant Method:	SIM2.M
Run #:	0131L015
Instrument:	Linus
Sequence:	L110107
Dilution Factor:	1
Initials:	LF

Printed: 02/01/11 3:02:47 PM
APPL-F1-SC-NoMC-REG MDLs

Data File : M:\LINUS\DATA\L110107\0131L015.D Vial: 15
Acq On : 31 Jan 11 15:42 Operator: LF
Sample : AY30578W19 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 1 14:01 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4974	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2438	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4151	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	8252	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	7382	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.24	82	1185	1.24188 ppb	0.01
Spiked Amount 2.000			Recovery	= 62.100%	
7) Surrogate Recovery (FBP)	7.21	172	2331	1.07532 ppb	0.00
Spiked Amount 2.000			Recovery	= 53.750%	
17) Surrogate Recovery (TPH)	11.57	244	3312	1.00844 ppb	0.00
Spiked Amount 2.000			Recovery	= 50.400%	

Target Compounds Qvalue

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

```
Data File : M:\LINUS\DATA\L110107\0131L015.D          Vial: 15
Acq On    : 31 Jan 11  15:42                       Operator: LF
Sample    : AY30578W19 1/1000                      Inst    : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Feb  1 14:01 2011            Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
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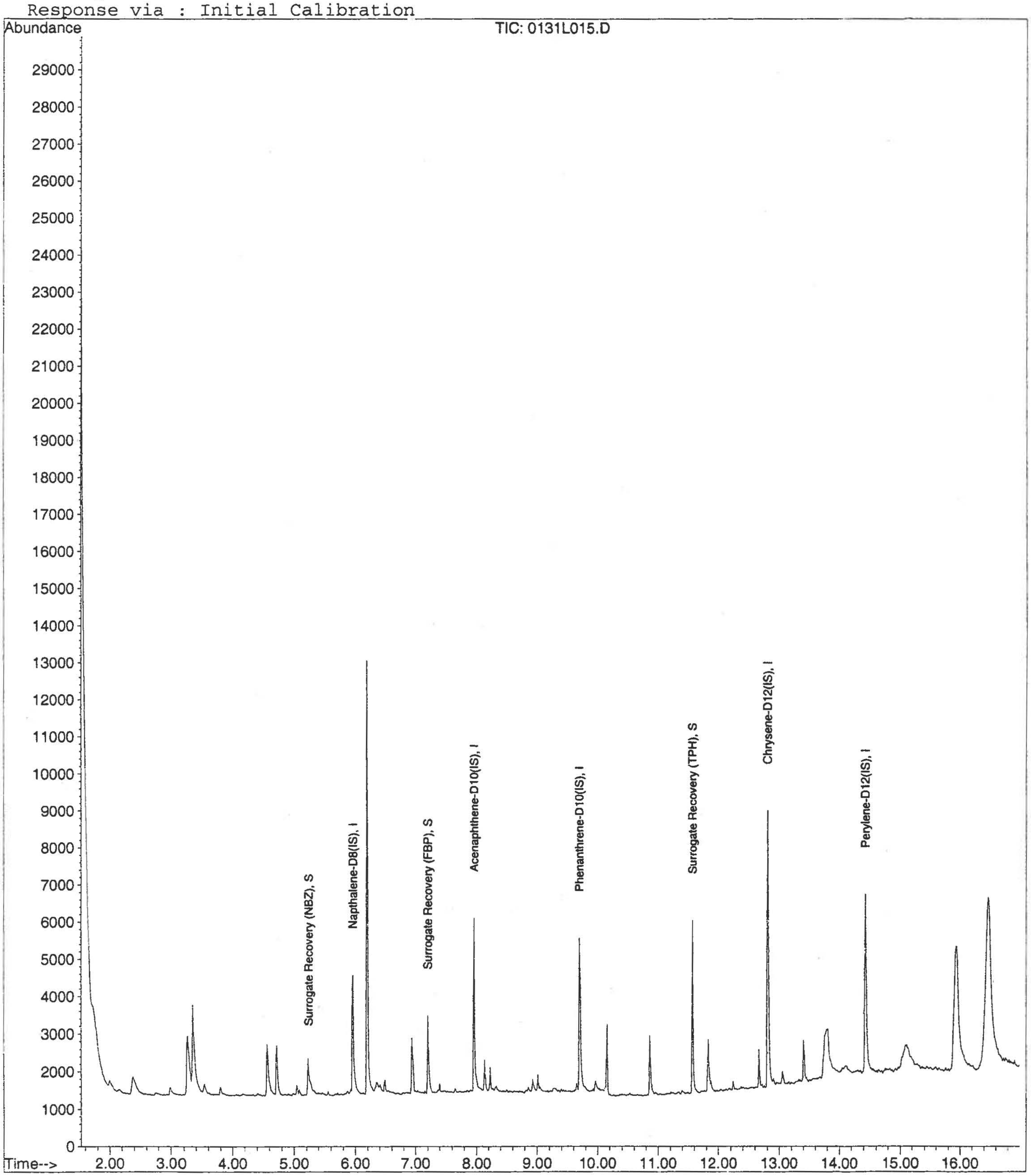

EPA 8270D SIM

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES018

APPL ID: AY30579

Sample Collection Date: 01/21/11

QCG: #SIMHC-110126A-151631

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	01/26/11	01/31/11
8270D-SIM	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
8270D-SIM	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
8270D-SIM	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
8270D-SIM	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
8270D-SIM	SURROGATE: 2-FLUORBIPHENYL (S)	61.2	50-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: NITROBENZENE-D5 (S)	56.5	40-110			%	01/26/11	01/31/11
8270D-SIM	SURROGATE: TERPHENYL-D14 (S)	57.7	50-135			%	01/26/11	01/31/11

Quant Method: SIM2.M
Run #: 0131L016
Instrument: Linus
Sequence: L110107
Dilution Factor: 1
Initials: LF

Printed: 02/01/11 3:02:47 PM
APPL-F1-SC-NoMC-REG MDLs

Data File : M:\LINUS\DATA\L110107\0131L016.D Vial: 16
Acq On : 31 Jan 11 16:07 Operator: LF
Sample : AY30579W05 1/1010 Inst : Linus
Misc : Multiplr: 0.99

Quant Time: Feb 1 14:01 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.95	136	5106	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	7.96	164	2529	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4416	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	8782	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	7862	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.23	82	1107	1.11896 ppb	0.00
Spiked Amount 1.980			Recovery =	56.510%	
7) Surrogate Recovery (FBP)	7.20	172	2753	1.21217 ppb	0.00
Spiked Amount 1.980			Recovery =	61.206%	
17) Surrogate Recovery (TPH)	11.57	244	4036	1.14329 ppb	0.00
Spiked Amount 1.980			Recovery =	57.722%	

Target Compounds Qvalue

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

```
Data File : M:\LINUS\DATA\L110107\0131L016.D          Vial: 16
Acq On    : 31 Jan 11  16:07                      Operator: LF
Sample    : AY30579W05 1/1010                     Inst    : Linus
Misc      :                                       Multiplr: 0.99

Quant Time: Feb  1 14:01 2011           Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
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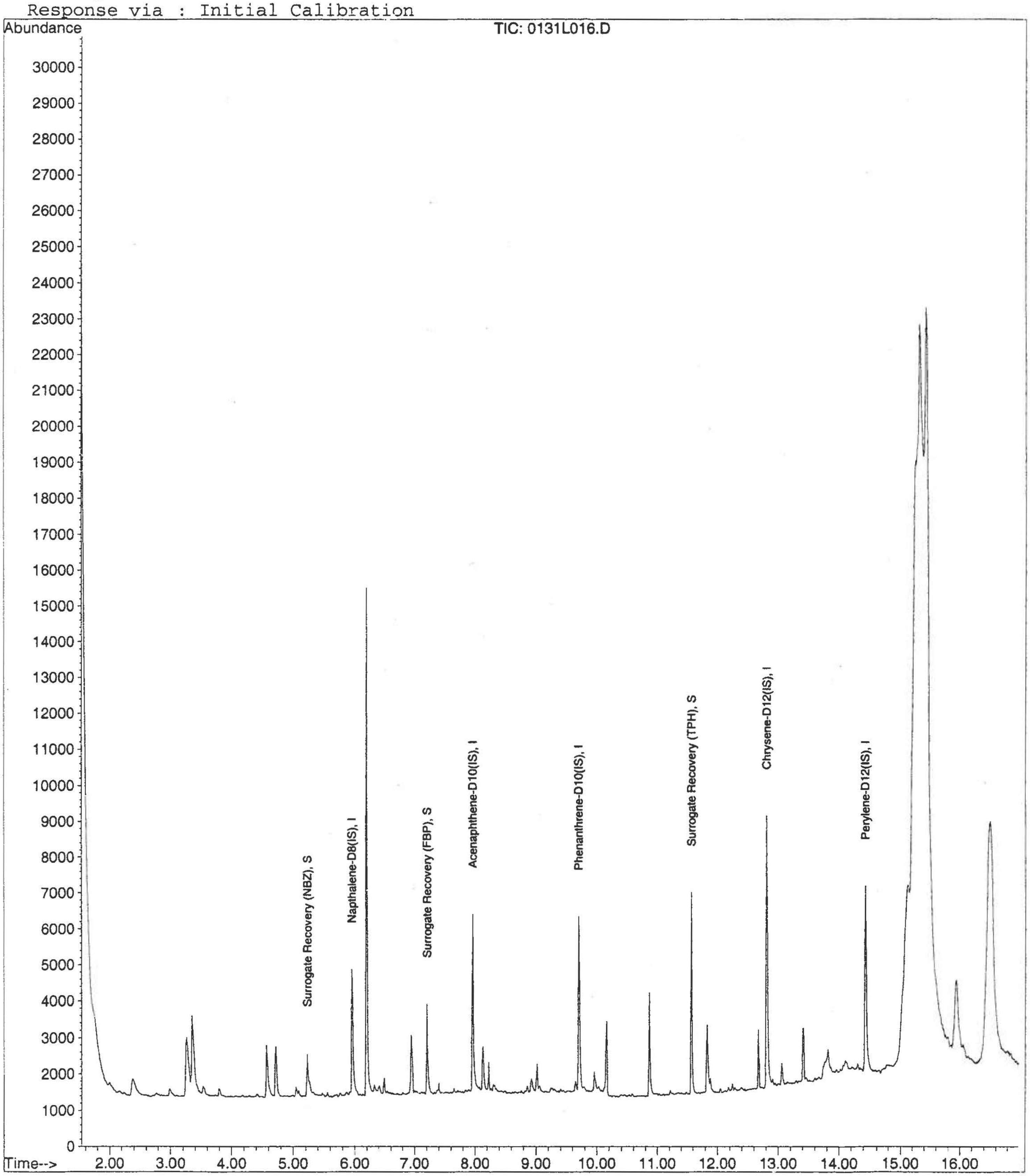

EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Calibration Data

APPL, INC.

EPA 8270C SIM

Form 6
Initial Calibration

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

SDG No: 63706
Initial Cal. Date: 01/07/11
Instrument: Linus

Initials:

			0107L002.D	0107L003.D	0107L004.D	0107L005.D	0107L006.D	0107L007.D	0107L008.D	0107L009.D						
		Compound	0.1	0.2	0.5	1	5	10	50	100			Avg	%RSD		
1	I	Napthalene-D8(IS)														
2	S	Surrogate Recovery (NBZ)	0.5357	0.4186	0.4527	0.4728	0.4952	0.5250	0.4817	0.4549			0.48	8.1	S	
3	TM	Naphthalene	1.866	1.736	1.824	1.855	1.830	1.743	1.578	1.442			1.7	8.7	TM	
4	TM	2-Methylnaphthalene	1.265	1.204	1.103	1.117	1.193	1.205	1.085	0.9718			1.1	8.1	TM	
5	TM	1-Methylnaphthalene	1.203	1.025	1.124	1.133	1.137	1.109	0.9935	0.8735			1.1	9.7	TM	
6	I	Acenaphthene-D10(IS)														
7	S	Surrogate Recovery (FBP)	2.553	2.262	2.299	2.162	2.233	2.334	1.975	1.964			2.2	8.7	S	
8	TM	Acenaphthylene	4.078	3.411	3.724	3.444	3.376	3.508	3.111	3.099			3.5	9.2	TM	
9	*TM	Acenaphthene	2.361	1.972	2.074	1.901	2.053	2.036	1.797	1.648			2.0	11	*TM	
10	TM	Fluorene	2.797	2.316	2.536	2.442	2.429	2.464	2.232	2.316			2.4	7.1	TM	
11	I	Phenanthrene-D10(IS)														
12	TM	Phenanthrene	2.479	2.176	2.100	1.940	2.142	2.199	1.850	1.779			2.1	11	TM	
13	TM	Anthracene	2.469	2.083	2.222	2.041	2.159	2.102	1.842	1.862			2.1	9.6	TM	
14	*TM	Fluoranthene	3.865	3.460	3.322	3.120	3.441	3.399	3.020	2.812			3.3	9.7	*TM	
15	I	Chrysene-D12(IS)														
16	TM	Pyrene	1.985	1.915	1.711	1.663	1.817	1.843	1.573	1.530			1.8	9.2	TM	
17	S	Surrogate Recovery (TPH)	1.217	1.036	0.9143	0.9090	1.024	1.099	0.8743	0.8863			0.99	12	S	
18	TM	Benz (a) anthracene	1.930	1.779	1.621	1.408	1.644	1.739	1.524	1.413			1.6	11	TM	
19	TM	Chrysene	2.027	1.772	1.666	1.651	1.679	1.756	1.370	1.388			1.7	13	TM	
20	TM	Indeno (1,2,3-cd) pyrene	1.834	1.665	1.545	1.442	1.610	1.677	1.485	1.458			1.6	8.4	TM	
21	I	Perylene-D12(IS)														
22	TM	Benzo (b) fluoranthene	2.174	2.089	1.615	1.554	2.151	1.784	1.634	1.922			1.9	14	TM	
23	TM	Benzo (k) fluoranthene	2.018	1.847	1.981	1.795	1.453	1.951	1.608	1.333			1.7	15	TM	
24	*TM	Benzo (a) pyrene	1.736	1.736	1.604	1.554	1.616	1.658	1.548	1.495			1.6	5.4	*TM	
25	TM	Dibenz (a,h) anthracene	1.774	1.466	1.564	1.452	1.557	1.595	1.510	1.500			1.6	6.6	TM	
26	TM	Benzo (g,h,i) perylene	2.006	1.791	1.640	1.483	1.570	1.607	1.484	1.492			1.6	11	TM	
27																
28																
29																
30																
31																
32																
33																
34																
35																

13196

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L002.D Vial: 2
Acq On : 7 Jan 11 14:40 Operator: LF
Sample : 0.1ug/ml PAH 01-07-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:24 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5693	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	7.97	164	2869	2.50000 ppb		0.00
11) Phenanthrene-D10(IS)	9.70	188	4689	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.81	240	9079	2.50000 ppb		0.01
21) Perylene-D12(IS)	14.42	264	7878	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.21	82	122	0.11070 ppb		0.02
Spiked Amount 2.000			Recovery	= 5.550%		
7) Surrogate Recovery (FBP)	7.21	172	293	0.11617 ppb		0.00
Spiked Amount 2.000			Recovery	= 5.800%		
17) Surrogate Recovery (TPH)	11.58	244	442	0.12595 ppb		0.01
Spiked Amount 2.000			Recovery	= 6.300%		
Target Compounds						Qvalue
3) Naphthalene	5.99	128	425	0.10130 ppb		98
4) 2-Methylnaphthalene	6.78	142	288	0.10953 ppb		97
5) 1-Methylnaphthalene	6.89	142	274	0.10602 ppb		96
8) Acenaphthylene	7.81	152	468	0.11959 ppb	#	95
9) Acenaphthene	8.00	154	271	0.11947 ppb		92
10) Fluorene	8.62	166	321	0.11486 ppb		95
12) Phenanthrene	9.74	178	465	0.12148 ppb		97
13) Anthracene	9.80	178	463	0.11755 ppb		99
14) Fluoranthene	11.13	202	725	0.11787 ppb	#	95
16) Pyrene	11.39	202	721	0.11409 ppb		98
18) Benz (a) anthracene	12.80	228	701	0.12651 ppb		93
19) Chrysene	12.83	228	736	0.12173 ppb	#	93
20) Indeno (1,2,3-cd) pyrene	15.91	276	666	0.12019 ppb	#	94
22) Benzo (b) fluoranthene	14.00	252	685	0.11734 ppb		97
23) Benzo (k) fluoranthene	14.02	252	636	0.12404 ppb		93
24) Benzo (a) pyrene	14.30	252	547	0.10951 ppb		97
25) Dibenz (a,h) anthracene	15.90	278	559	0.11787 ppb	#	84
26) Benzo (g,h,i) perylene	16.34	276	632	0.13139 ppb		94

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0107L002.D          Vial: 2
Acq On    :  7 Jan 11  14:40                      Operator: LF
Sample    : 0.1ug/ml PAH 01-07-11                 Inst    : Linus
Misc      :                                       Multiplr: 1.00

Quant Time: Jan  7 17:23 2011           Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Wed Jan 19 10:30:03 2011
Response via  : Initial Calibration
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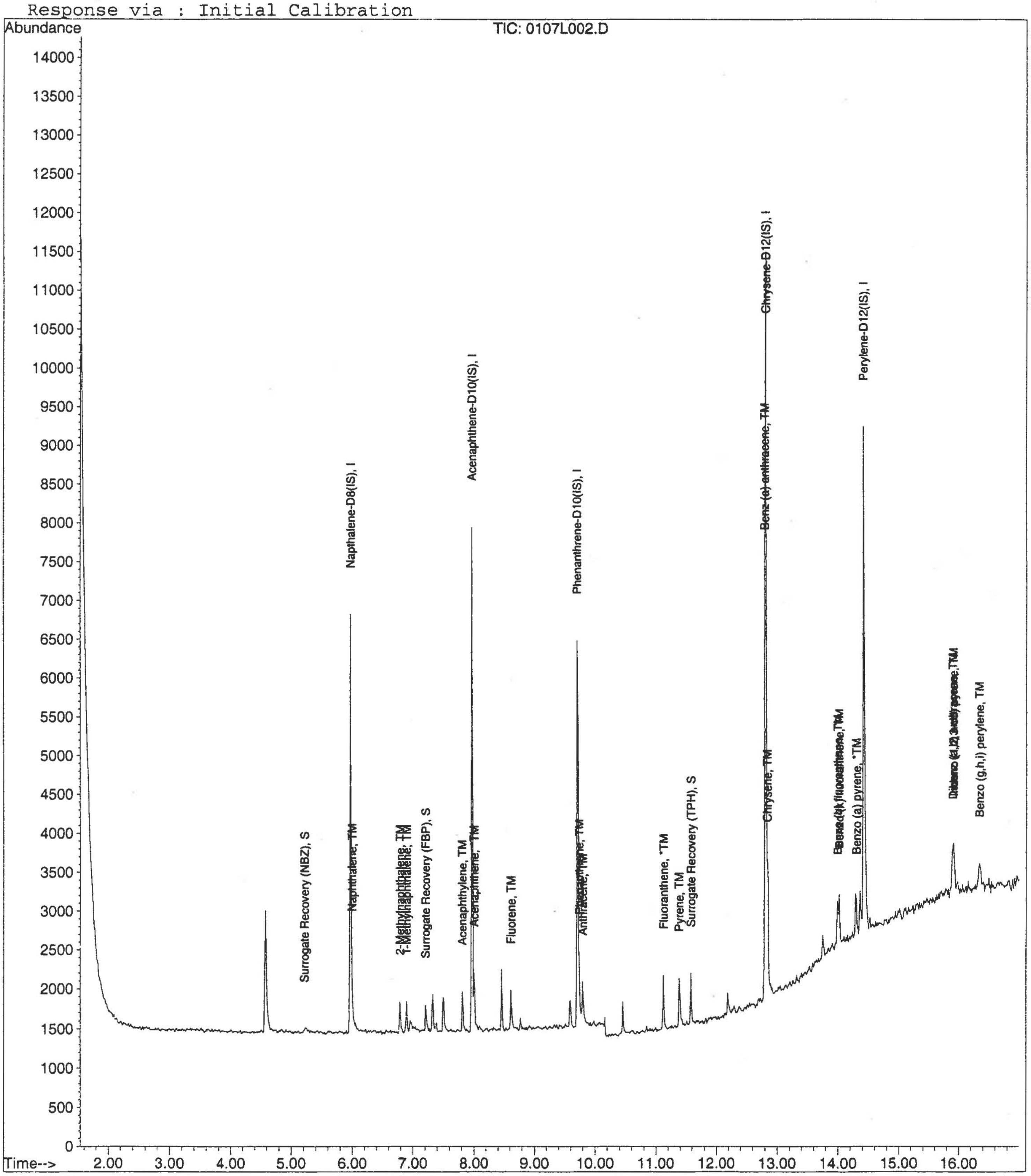


Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L003.D   Vial: 3
Acq On : 7 Jan 11 15:05   Operator: LF
Sample : 0.2ug/ml PAH   Inst : Linus
Misc :   Multiplr: 1.00

Quant Time: Jan 7 17:23 2011   Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5315	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2763	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4555	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	8951	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.42	264	7655	2.50000 ppb	0.01
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.21	82	178	0.17299 ppb	0.02
Spiked Amount 2.000			Recovery	= 8.650%	
7) Surrogate Recovery (FBP)	7.21	172	500	0.20585 ppb	0.00
Spiked Amount 2.000			Recovery	= 10.300%	
17) Surrogate Recovery (TPH)	11.58	244	742	0.21445 ppb	0.01
Spiked Amount 2.000			Recovery	= 10.700%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.99	128	738	0.18841 ppb		98
4) 2-Methylnaphthalene	6.78	142	512	0.20857 ppb		94
5) 1-Methylnaphthalene	6.89	142	436	0.18071 ppb		97
8) Acenaphthylene	7.81	152	754	0.20007 ppb		98
9) Acenaphthene	8.00	154	436	0.19959 ppb		89
10) Fluorene	8.62	166	512	0.19024 ppb		92
12) Phenanthrene	9.74	178	793	0.21326 ppb		95
13) Anthracene	9.80	178	759	0.19836 ppb		94
14) Fluoranthene	11.13	202	1261	0.21105 ppb	#	97
16) Pyrene	11.39	202	1371	0.22005 ppb		92
18) Benz (a) anthracene	12.80	228	1274	0.23321 ppb		99
19) Chrysene	12.83	228	1269	0.21288 ppb	#	94
20) Indeno (1,2,3-cd) pyrene	15.90	276	1192	0.21818 ppb	#	96
22) Benzo (b) fluoranthene	14.00	252	1279	0.22548 ppb		97
23) Benzo (k) fluoranthene	14.02	252	1131	0.22700 ppb		98
24) Benzo (a) pyrene	14.29	252	1063	0.21901 ppb	#	94
25) Dibenz (a,h) anthracene	15.90	278	898	0.19487 ppb		96
26) Benzo (g,h,i) perylene	16.33	276	1097	0.23470 ppb		92

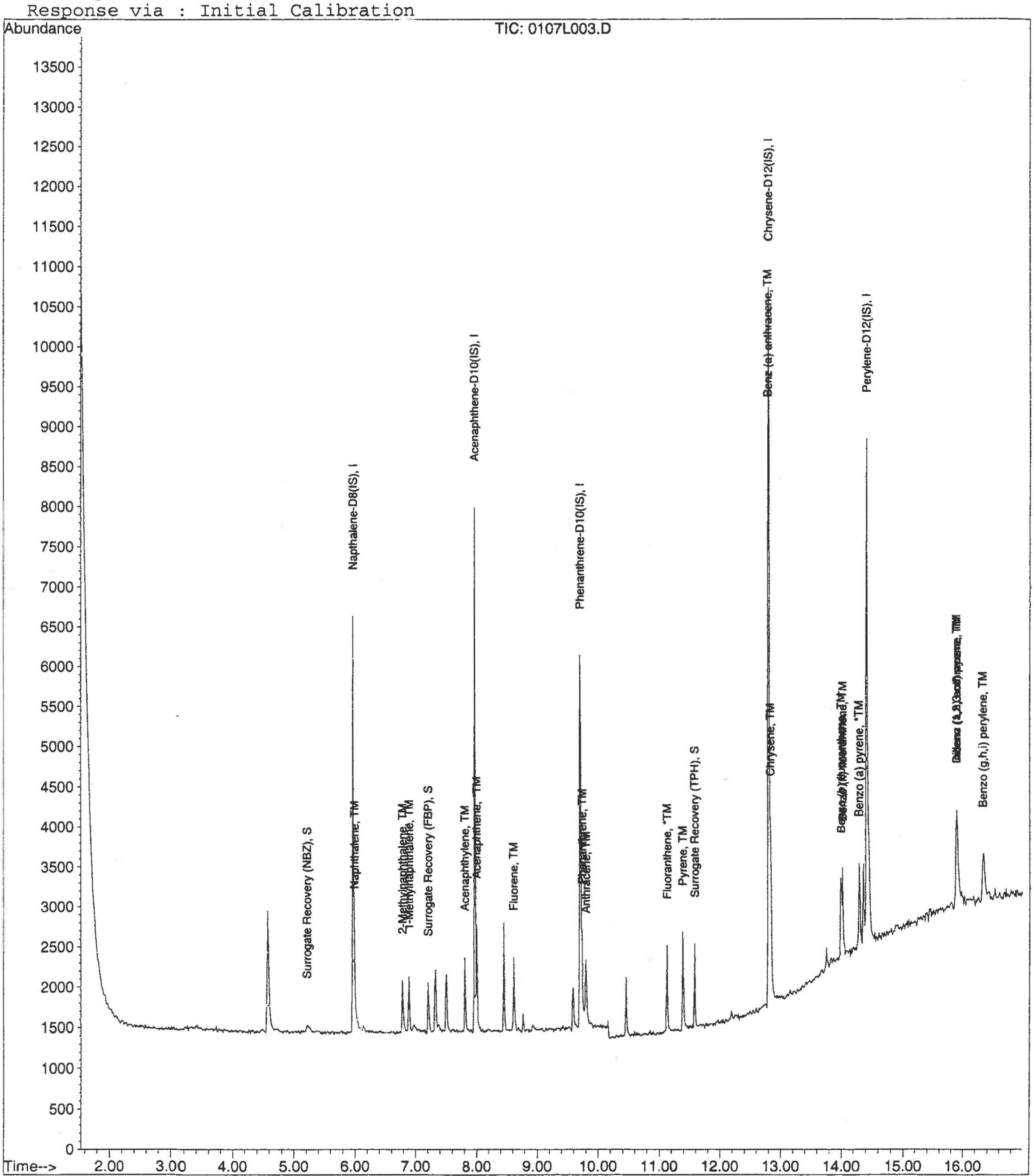
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L003.D　　　Vial: 3
Acq On : 7 Jan 11 15:05　　　Operator: LF
Sample : 0.2ug/ml PAH　　　Inst : Linus
Misc :　　　Multiplr: 1.00

Quant Time: Jan 7 17:23 2011　　　Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L004.D   Vial: 4
Acq On : 7 Jan 11 15:31   Operator: LF
Sample : 0.5ug/ml PAH   Inst : Linus
Misc :   Multiplr: 1.00

Quant Time: Jan 7 17:23 2011   Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5312	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	7.97	164	2664	2.50000 ppb		0.00
11) Phenanthrene-D10(IS)	9.70	188	4615	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.81	240	9253	2.50000 ppb		0.01
21) Perylene-D12(IS)	14.42	264	7757	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.21	82	481	0.46774 ppb		0.02
Spiked Amount 2.000			Recovery	= 23.400%		
7) Surrogate Recovery (FBP)	7.21	172	1225	0.52308 ppb		0.00
Spiked Amount 2.000			Recovery	= 26.150%		
17) Surrogate Recovery (TPH)	11.58	244	1692	0.47306 ppb		0.01
Spiked Amount 2.000			Recovery	= 23.650%		
Target Compounds						Qvalue
3) Naphthalene	5.99	128	1938	0.49506 ppb		97
4) 2-Methylnaphthalene	6.78	142	1172	0.47769 ppb		97
5) 1-Methylnaphthalene	6.89	142	1194	0.49515 ppb		90
8) Acenaphthylene	7.81	152	1984	0.54600 ppb		98
9) Acenaphthene	8.00	154	1105	0.52463 ppb		98
10) Fluorene	8.62	166	1351	0.52063 ppb		88
12) Phenanthrene	9.74	178	1938	0.51440 ppb		97
13) Anthracene	9.80	178	2051	0.52906 ppb		94
14) Fluoranthene	11.13	202	3066	0.50647 ppb		95
16) Pyrene	11.39	202	3167	0.49173 ppb	#	87
18) Benz (a) anthracene	12.80	228	2999	0.53107 ppb		99
19) Chrysene	12.83	228	3084	0.50048 ppb		97
20) Indeno (1,2,3-cd) pyrene	15.90	276	2860	0.50641 ppb	#	91
22) Benzo (b) fluoranthene	13.99	252	2505	0.43580 ppb		97
23) Benzo (k) fluoranthene	14.02	252	3074	0.60886 ppb		96
24) Benzo (a) pyrene	14.29	252	2489	0.50606 ppb		97
25) Dibenz (a,h) anthracene	15.89	278	2426	0.51953 ppb		97
26) Benzo (g,h,i) perylene	16.33	276	2544	0.53712 ppb		94

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

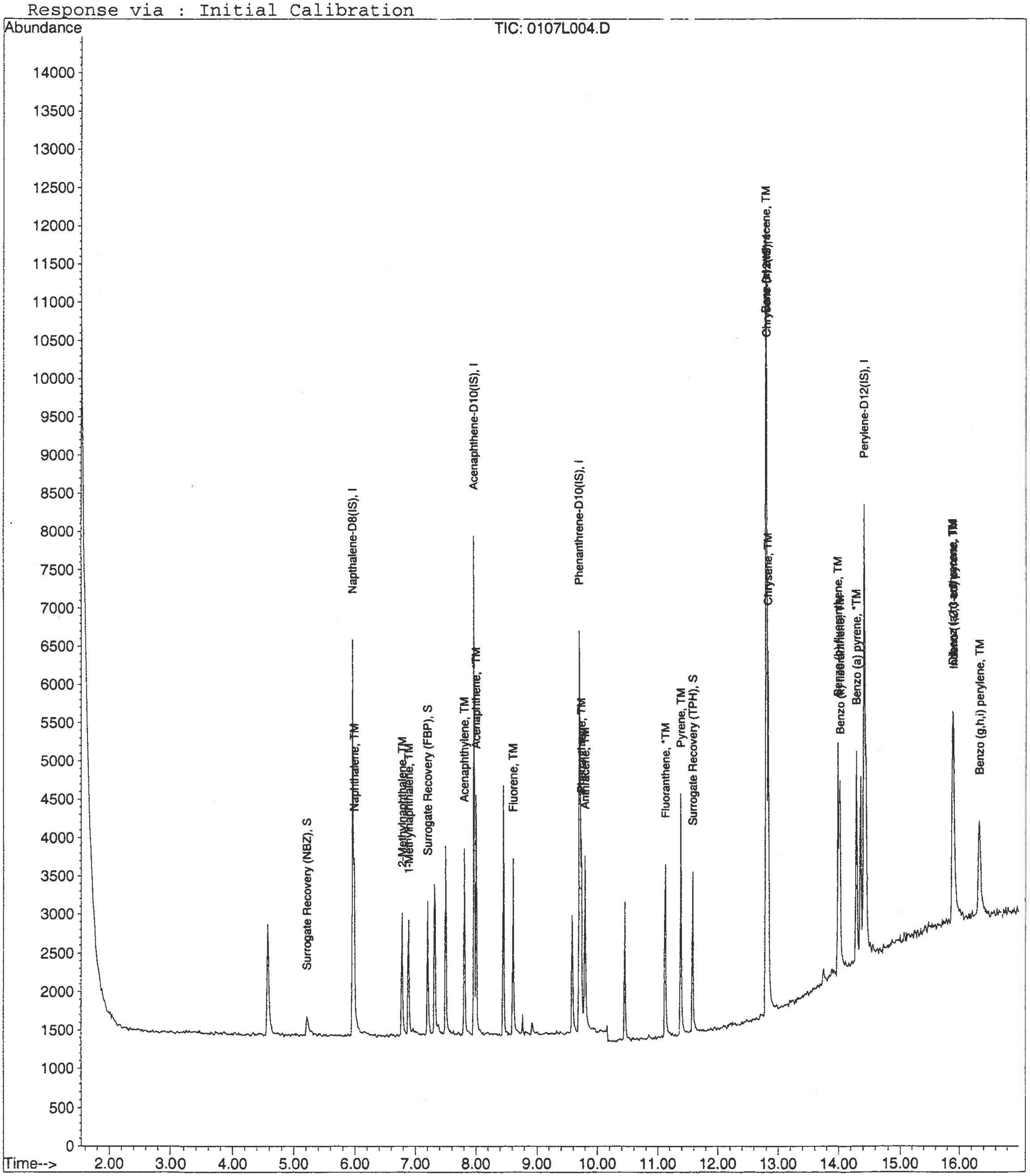
Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L004.D
Acq On : 7 Jan 11 15:31
Sample : 0.5ug/ml PAH
Misc :

Vial: 4
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L005.D Vial: 5
Acq On : 7 Jan 11 15:56 Operator: LF
Sample : 1.0ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4780	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	7.97	164	2611	2.50000 ppb		0.00
11) Phenanthrene-D10(IS)	9.70	188	4410	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.81	240	8787	2.50000 ppb		0.01
21) Perylene-D12(IS)	14.42	264	7558	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.21	82	904	0.97691 ppb		0.02
Spiked Amount 2.000			Recovery	= 48.850%		
7) Surrogate Recovery (FBP)	7.21	172	2258	0.98375 ppb		0.00
Spiked Amount 2.000			Recovery	= 49.200%		
17) Surrogate Recovery (TPH)	11.58	244	3195	0.94065 ppb		0.01
Spiked Amount 2.000			Recovery	= 47.050%		
Target Compounds						Qvalue
3) Naphthalene	5.99	128	3546	1.00663 ppb		99
4) 2-Methylnaphthalene	6.78	142	2135	0.96705 ppb		99
5) 1-Methylnaphthalene	6.89	142	2166	0.99821 ppb		98
8) Acenaphthylene	7.81	152	3597	1.01000 ppb		98
9) Acenaphthene	8.00	154	1985	0.96157 ppb		99
10) Fluorene	8.62	166	2550	1.00263 ppb		91
12) Phenanthrene	9.74	178	3422	0.95051 ppb		95
13) Anthracene	9.80	178	3600	0.97179 ppb		97
14) Fluoranthene	11.13	202	5504	0.95146 ppb		95
16) Pyrene	11.39	202	5845	0.95566 ppb	#	84
18) Benz (a) anthracene	12.80	228	4948	0.92266 ppb		96
19) Chrysene	12.83	228	5803	0.99167 ppb	#	97
20) Indeno (1,2,3-cd) pyrene	15.89	276	5069	0.94514 ppb	#	90
22) Benzo (b) fluoranthene	13.99	252	4698	0.83884 ppb		97
23) Benzo (k) fluoranthene	14.01	252	5428	1.10343 ppb	#	95
24) Benzo (a) pyrene	14.29	252	4699	0.98054 ppb		97
25) Dibenz (a,h) anthracene	15.89	278	4391	0.96510 ppb		100
26) Benzo (g,h,i) perylene	16.32	276	4482	0.97121 ppb		98

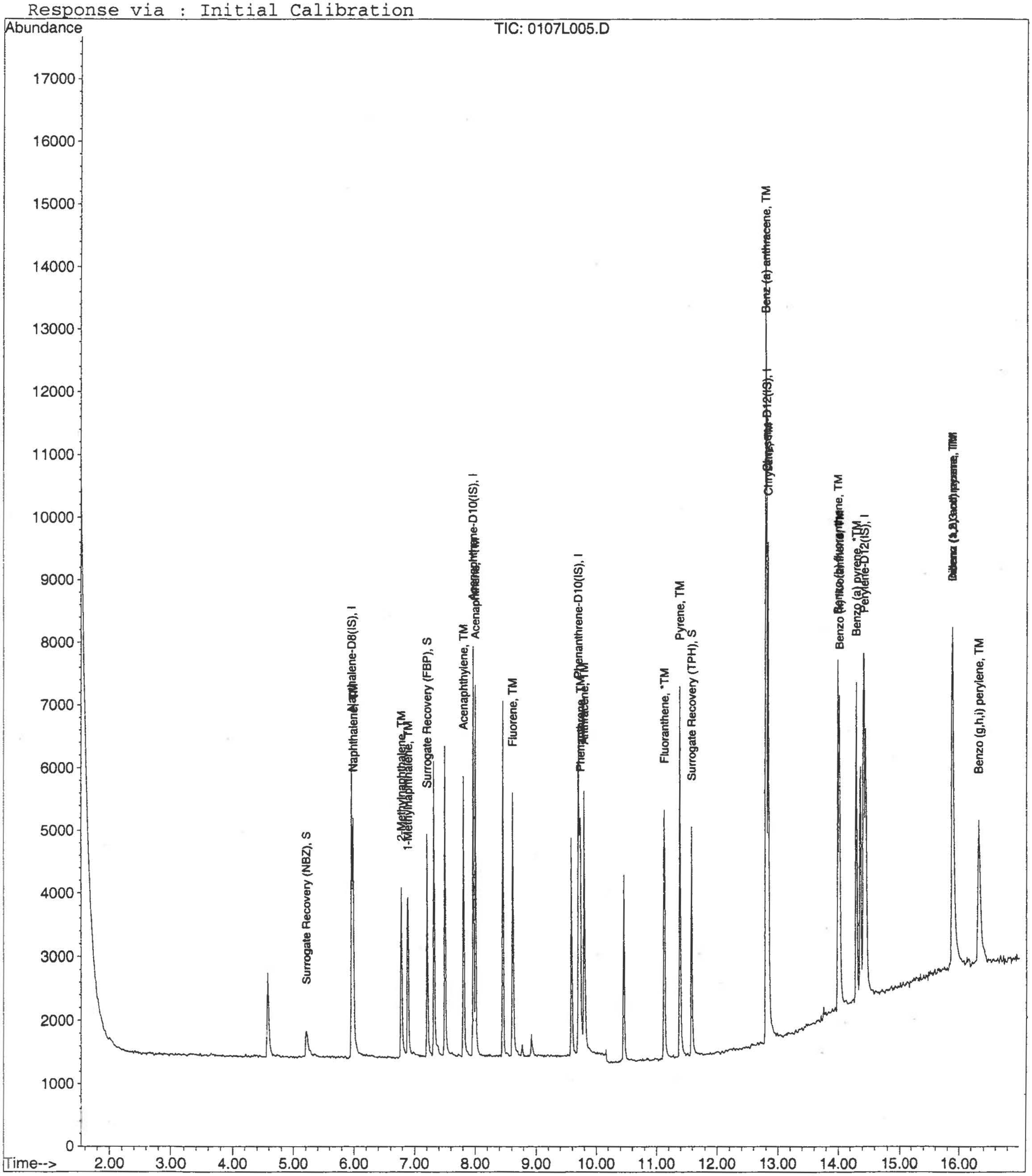
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L005.D Vial: 5
Acq On : 7 Jan 11 15:56 Operator: LF
Sample : 1.0ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L006.D Vial: 6
Acq On : 7 Jan 11 16:21 Operator: LF
Sample : 5.0ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4846	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2598	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4253	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	8198	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7099	2.50000 ppb	0.00
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.19	82	4799	5.11544 ppb	0.00
Spiked Amount 2.000			Recovery	= 255.750%	
7) Surrogate Recovery (FBP)	7.21	172	11605	5.08127 ppb	0.00
Spiked Amount 2.000			Recovery	= 254.050%	
17) Surrogate Recovery (TPH)	11.57	244	16785	5.29676 ppb	0.00
Spiked Amount 2.000			Recovery	= 264.850%	
Target Compounds					Qvalue
3) Naphthalene	5.99	128	17738	4.96685 ppb	100
4) 2-Methylnaphthalene	6.77	142	11560	5.16477 ppb	100
5) 1-Methylnaphthalene	6.88	142	11019	5.00897 ppb	100
8) Acenaphthylene	7.81	152	17541	4.94999 ppb	100
9) Acenaphthene	8.00	154	10665	5.19216 ppb	100
10) Fluorene	8.60	166	12620	4.98686 ppb	100
12) Phenanthrene	9.73	178	18219	5.24743 ppb	100
13) Anthracene	9.80	178	18367	5.14105 ppb	100
14) Fluoranthene	11.12	202	29273	5.24716 ppb	100
16) Pyrene	11.37	202	29796	5.22169 ppb	100
18) Benz (a) anthracene	12.79	228	26951	5.38668 ppb	100
19) Chrysene	12.83	228	27525	5.04166 ppb	100
20) Indeno (1,2,3-cd) pyrene	15.87	276	26391	5.27429 ppb	100
22) Benzo (b) fluoranthene	13.98	252	30541	5.80578 ppb	100
23) Benzo (k) fluoranthene	14.01	252	20635	4.46599 ppb	100
24) Benzo (a) pyrene	14.28	252	22944	5.09729 ppb	100
25) Dibenz (a,h) anthracene	15.88	278	22113	5.17449 ppb	100
26) Benzo (g,h,i) perylene	16.30	276	22297	5.14395 ppb	100

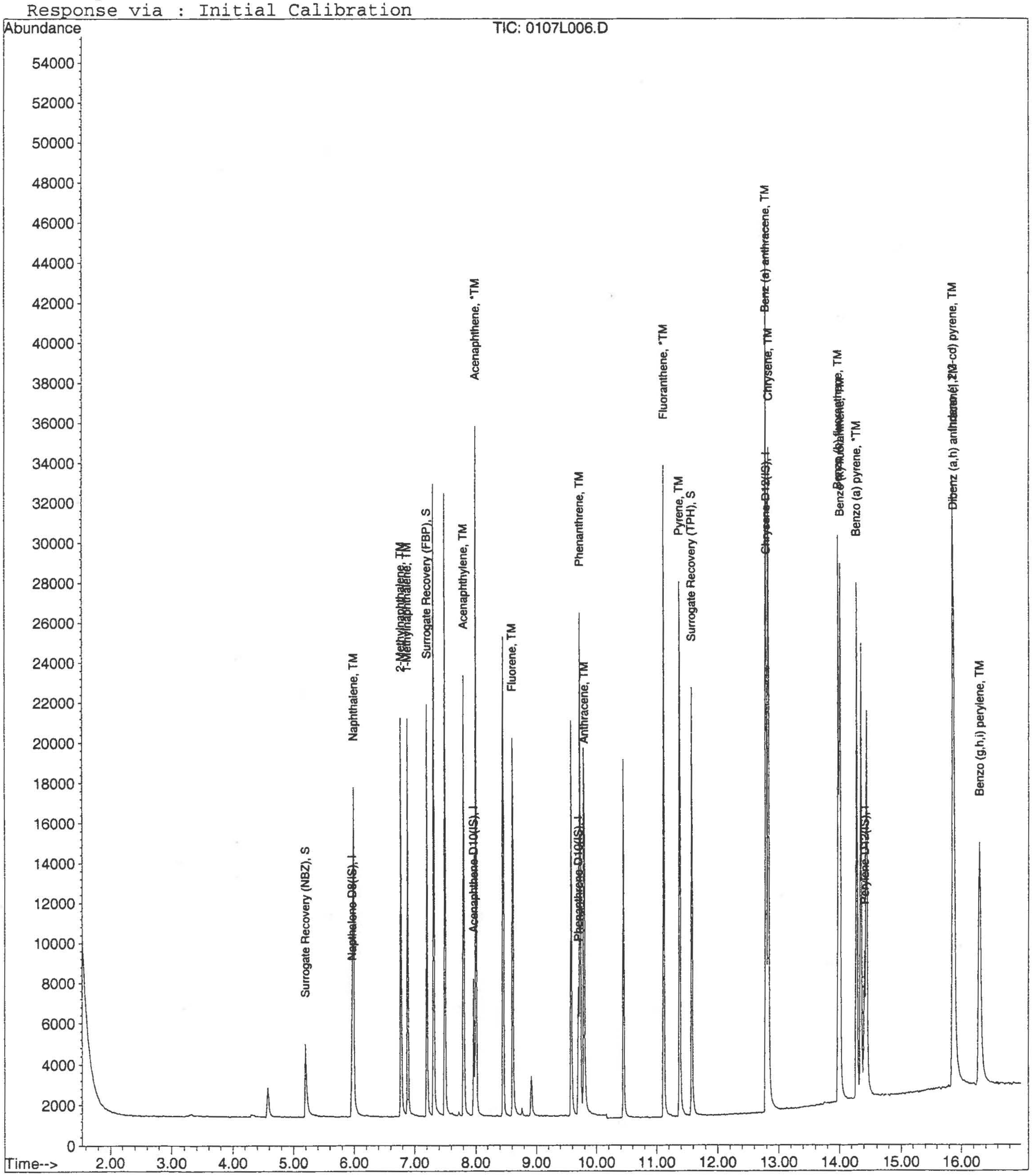
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L006.D Vial: 6
Acq On : 7 Jan 11 16:21 Operator: LF
Sample : 5.0ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L007.D Vial: 7
Acq On : 7 Jan 11 16:46 Operator: LF
Sample : 10ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 7 17:23 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5549	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	7.97	164	2895	2.50000 ppb		0.00
11) Phenanthrene-D10(IS)	9.70	188	4853	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.80	240	8987	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.41	264	7905	2.50000 ppb		0.00
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.19	82	11653	10.84772 ppb		0.00
Spiked Amount 2.000			Recovery	= 542.400%		
7) Surrogate Recovery (FBP)	7.21	172	27031	10.62135 ppb		0.00
Spiked Amount 2.000			Recovery	= 531.050%		
17) Surrogate Recovery (TPH)	11.57	244	39506	11.37222 ppb		0.00
Spiked Amount 2.000			Recovery	= 568.600%		
Target Compounds						Qvalue
3) Naphthalene	5.99	128	38695	9.46236 ppb		99
4) 2-Methylnaphthalene	6.77	142	26743	10.43451 ppb		98
5) 1-Methylnaphthalene	6.88	142	24616	9.77220 ppb		99
8) Acenaphthylene	7.81	152	40617	10.28604 ppb		99
9) Acenaphthene	8.00	154	23573	10.29894 ppb		98
10) Fluorene	8.60	166	28535	10.11896 ppb		98
12) Phenanthrene	9.73	178	42681	10.77312 ppb		99
13) Anthracene	9.79	178	40813	10.01145 ppb		97
14) Fluoranthene	11.12	202	65976	10.36402 ppb		96
16) Pyrene	11.37	202	66237	10.58880 ppb		92
18) Benz (a) anthracene	12.79	228	62503	11.39569 ppb		99
19) Chrysene	12.83	228	63132	10.54846 ppb		97
20) Indeno (1,2,3-cd) pyrene	15.85	276	60293	10.99178 ppb	#	97
22) Benzo (b) fluoranthene	13.98	252	56407	9.62955 ppb		97
23) Benzo (k) fluoranthene	14.00	252	61684	11.98894 ppb	#	95
24) Benzo (a) pyrene	14.28	252	52435	10.46133 ppb		98
25) Dibenz (a,h) anthracene	15.87	278	50448	10.60130 ppb		99
26) Benzo (g,h,i) perylene	16.29	276	50810	10.52677 ppb		99

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

Quantitation Report

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Data File : M:\LINUS\DATA\L110107\0107L007.D          Vial: 7
Acq On    :  7 Jan 11  16:46                       Operator: LF
Sample    : 10ug/ml PAH                            Inst     : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Jan  7 17:23 2011          Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration
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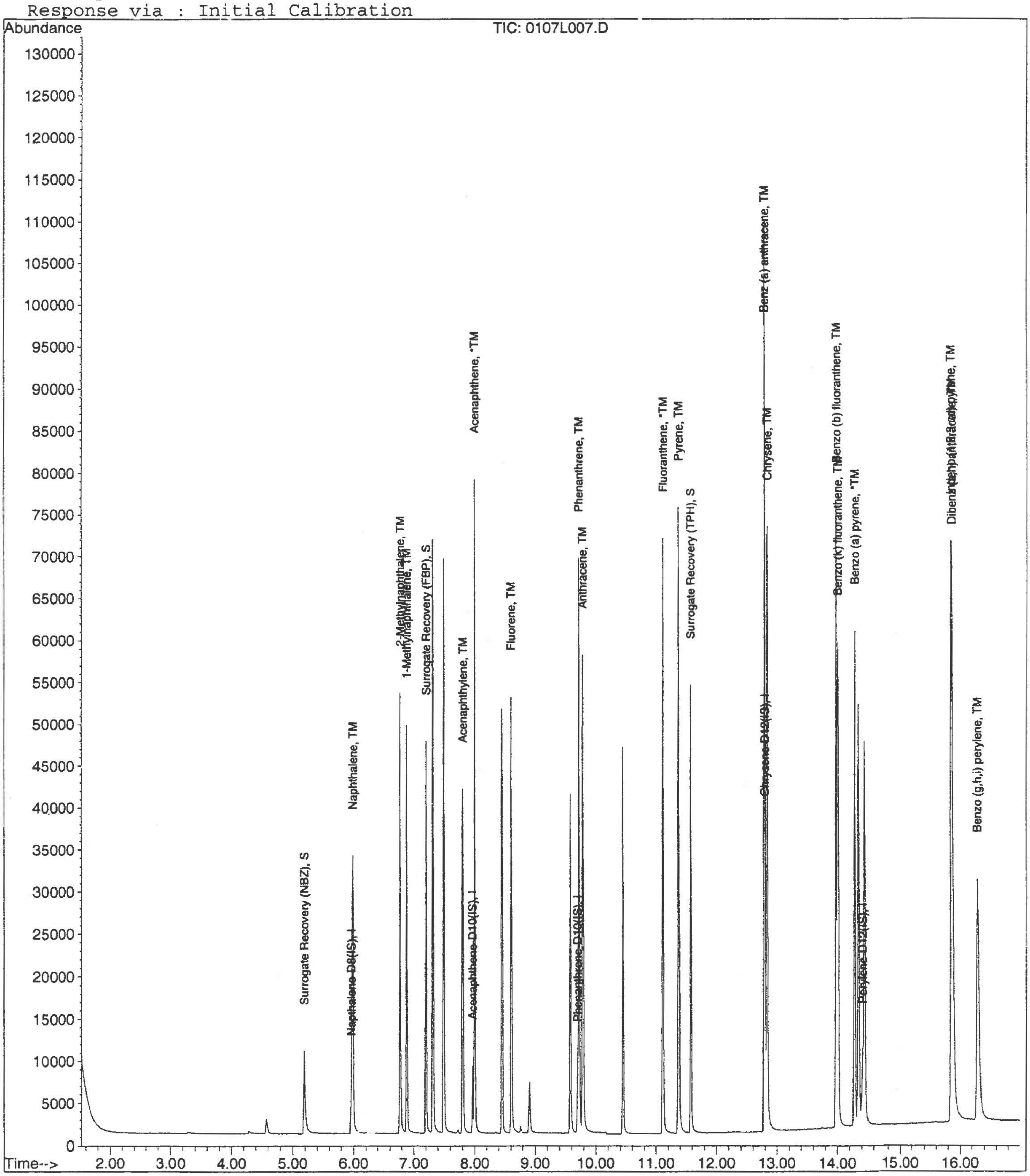


Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L008.D Vial: 8
Acq On : 7 Jan 11 17:11 Operator: LF
Sample : 50ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 8 10:42 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5296	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2811	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4788	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	9146	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7556	2.50000 ppb	0.00
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	51024	49.83196 ppb	-0.01
Spiked Amount 2.000			Recovery	= 2491.600%	
7) Surrogate Recovery (FBP)	7.21	172	111007	42.78741 ppb	0.00
Spiked Amount 2.000			Recovery	= 2139.350%	
17) Surrogate Recovery (TPH)	11.58	244	159929	42.31013 ppb	0.01
Spiked Amount 2.000			Recovery	= 2115.500%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.97	128	167108	43.60542 ppb		97
4) 2-Methylnaphthalene	6.77	142	114896	45.92323 ppb		99
5) 1-Methylnaphthalene	6.88	142	105230	44.27763 ppb		99
8) Acenaphthylene	7.81	152	174904	43.32876 ppb		99
9) Acenaphthene	8.00	154	101021	43.48461 ppb		98
10) Fluorene	8.60	166	125485	44.68934 ppb		98
12) Phenanthrene	9.73	178	177203	42.58713 ppb		100
13) Anthracene	9.79	178	176428	42.26943 ppb		97
14) Fluoranthene	11.12	202	289237	43.96976 ppb		97
16) Pyrene	11.37	202	287644	43.14520 ppb		94
18) Benz (a) anthracene	12.79	228	278787	45.17977 ppb		98
19) Chrysene	12.83	228	250651	38.96050 ppb	#	97
20) Indeno (1,2,3-cd) pyrene	15.85	276	271646	45.58651 ppb	#	95
22) Benzo (b) fluoranthene	13.98	252	246976	43.13698 ppb		98
23) Benzo (k) fluoranthene	14.01	252	243064	43.68261 ppb	#	97
24) Benzo (a) pyrene	14.28	252	233951	46.89076 ppb		98
25) Dibenz (a,h) anthracene	15.87	278	228158	48.13639 ppb		100
26) Benzo (g,h,i) perylene	16.27	276	224271	44.09594 ppb		98

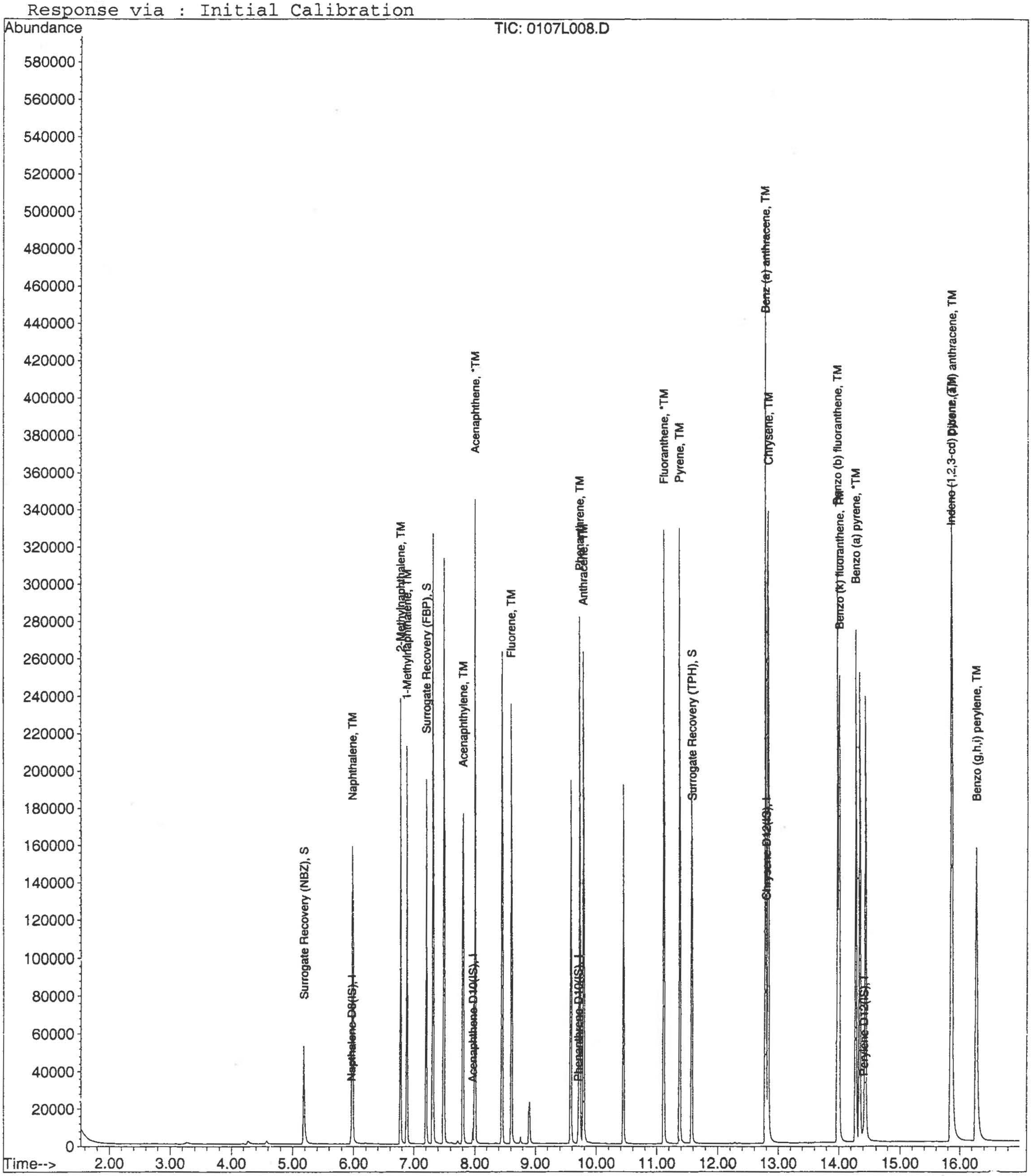
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L008.D Vial: 8
Acq On : 7 Jan 11 17:11 Operator: LF
Sample : 50ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 8 10:42 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L009.D Vial: 9
Acq On : 7 Jan 11 17:37 Operator: LF
Sample : 100ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 8 10:42 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5607	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2873	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4941	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.80	240	9573	2.50000 ppb	0.00
21) Perylene-D12(IS)	14.41	264	7817	2.50000 ppb	0.00
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.18	82	102034	94.16821 ppb	-0.01
Spiked Amount 2.000			Recovery	= 4708.400%	
7) Surrogate Recovery (FBP)	7.21	172	225733	86.92188 ppb	0.00
Spiked Amount 2.000			Recovery	= 4346.100%	
17) Surrogate Recovery (TPH)	11.58	244	339387	87.70891 ppb	0.01
Spiked Amount 2.000			Recovery	= 4385.450%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
3) Naphthalene	5.97	128	323317	81.17031 ppb		98
4) 2-Methylnaphthalene	6.77	142	217951	83.25152 ppb		99
5) 1-Methylnaphthalene	6.88	142	195913	79.15616 ppb		99
8) Acenaphthylene	7.81	152	356131	87.99730 ppb		98
9) Acenaphthene	8.00	154	189355	81.26185 ppb		99
10) Fluorene	8.62	166	266118	94.15683 ppb		89
12) Phenanthrene	9.73	178	351678	83.67367 ppb		99
13) Anthracene	9.80	178	367997	87.36599 ppb		98
14) Fluoranthene	11.12	202	555752	83.30449 ppb	#	94
16) Pyrene	11.39	202	586051	85.66153 ppb	#	73
18) Benz (a) anthracene	12.79	228	541063	84.94253 ppb		96
19) Chrysene	12.83	228	531416	81.48766 ppb		96
20) Indeno (1,2,3-cd) pyrene	15.87	276	558349	90.66364 ppb	#	95
22) Benzo (b) fluoranthene	13.98	252	601089	103.51091 ppb		97
23) Benzo (k) fluoranthene	14.01	252	416941	73.76068 ppb	#	97
24) Benzo (a) pyrene	14.28	252	467361	91.35704 ppb	#	95
25) Dibenz (a,h) anthracene	15.88	278	469164	96.19066 ppb	#	95
26) Benzo (g,h,i) perylene	16.29	276	466427	90.16739 ppb		96

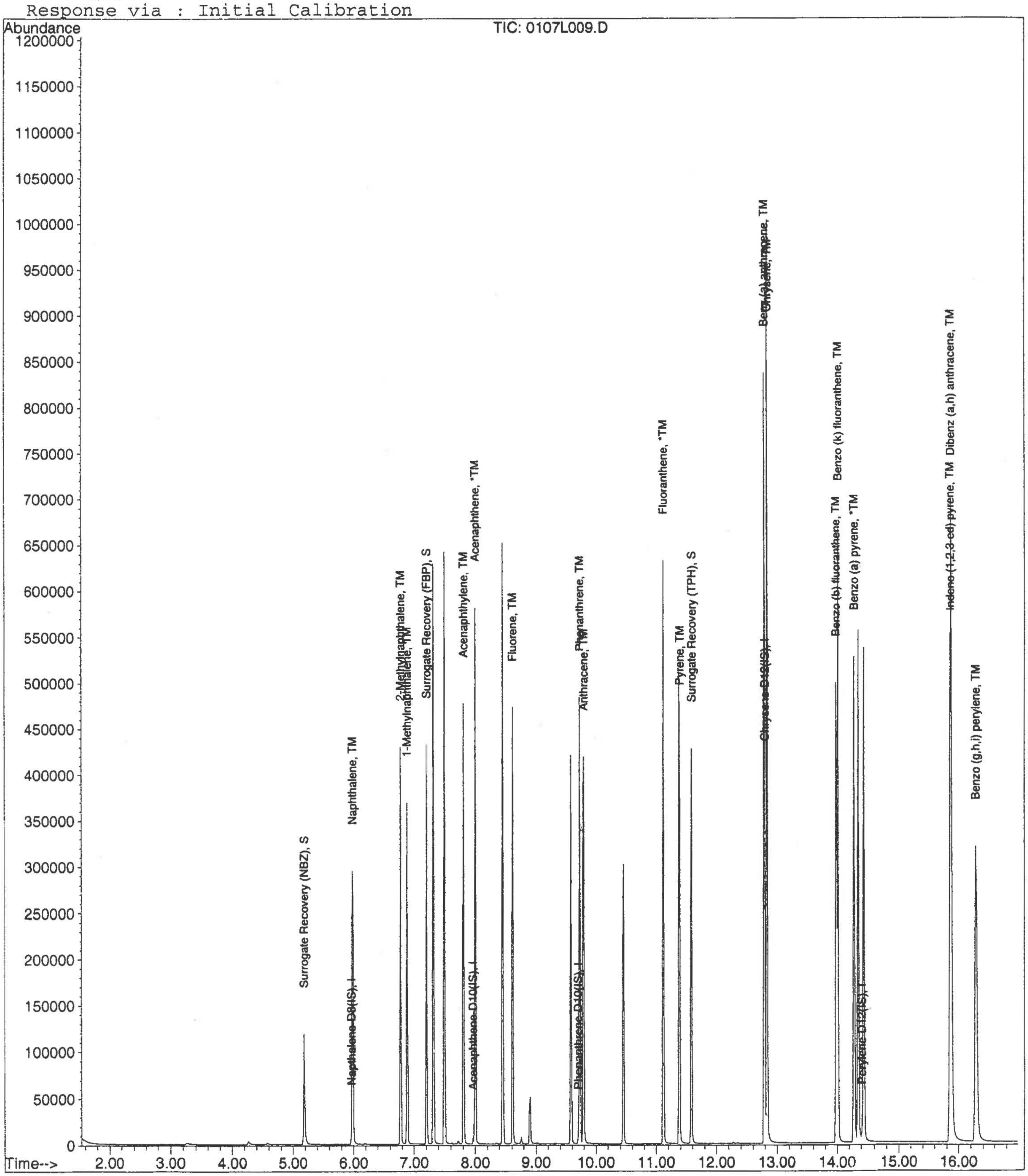
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L009.D Vial: 9
Acq On : 7 Jan 11 17:37 Operator: LF
Sample : 100ug/ml PAH Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jan 8 10:42 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Wed Jan 19 10:30:03 2011
Response via : Initial Calibration



EPA 8270C SIM

Form 7

Second Source Calibration

Lab Name:	APPL, Inc.	SDG No:	63706
Case No:		Date Analyzed:	7 Jan 11 18:02
Matrix:		Instrument:	Linus
		Initial Cal. Date:	01/07/11
		Data File:	0107L010.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.734	1.700	2.0	TM	
3	TM	2-Methylnaphthalene	1.143	1.160	1.5	TM	
4	TM	1-Methylnaphthalene	1.075	1.048	2.5	TM	
5	I	Acenaphthene-D10(IS)	ISTD			I	
6	TM	Acenaphthylene	3.469	3.175	8.5	TM	
7	*TM	Acenaphthene	1.980	1.939	2.1	*TM	
8	TM	Fluorene	2.441	2.325	4.8	TM	
9	I	Phenanthrene-D10(IS)	ISTD			I	
10	TM	Phenanthrene	2.083	2.047	1.7	TM	
11	TM	Anthracene	2.098	2.174	3.7	TM	
12	*TM	Fluoranthene	3.305	3.255	1.5	*TM	
13	I	Chrysene-D12(IS)	ISTD			I	
14	TM	Pyrene	1.755	1.691	3.6	TM	
15	TM	Benz (a) anthracene	1.632	1.687	3.4	TM	
16	TM	Chrysene	1.664	1.716	3.2	TM	
17	TM	Indeno (1,2,3-cd) pyrene	1.590	1.626	2.3	TM	
18	I	Perylene-D12(IS)	ISTD			I	
19	TM	Benzo (b) fluoranthene	1.865	1.821	2.4	TM	
20	TM	Benzo (k) fluoranthene	1.748	1.971	13	TM	
21	*TM	Benzo (a) pyrene	1.618	1.756	8.5	*TM	
22	TM	Dibenz (a,h) anthracene	1.552	1.654	6.6	TM	
23	TM	Benzo (g,h,i) perylene	1.634	1.642	0.50	TM	
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.0		

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0107L010.D   Vial: 10
Acq On : 7 Jan 11 18:02   Operator: LF
Sample : 5.0ug/ml PAH SS 01-07-11   Inst : Linus
Misc :   Multiplr: 1.00

Quant Time: Jan 8 12:03 2011   Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Fri Jan 07 17:22:54 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.96	136	5468	2.50000	ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2915	2.50000	ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4774	2.50000	ppb	0.00
15) Chrysene-D12(IS)	12.80	240	9266	2.50000	ppb	0.00
21) Perylene-D12(IS)	14.41	264	7672	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	5.99	128	18595	4.90243	ppb	99
4) 2-Methylnaphthalene	6.77	142	12683	5.07395	ppb	100
5) 1-Methylnaphthalene	6.88	142	11459	4.87456	ppb	98
8) Acenaphthylene	7.81	152	18511	4.57669	ppb	100
9) Acenaphthene	8.00	154	11305	4.89633	ppb	99
10) Fluorene	8.60	166	13553	4.76095	ppb	98
12) Phenanthrene	9.73	178	19549	4.91423	ppb	98
13) Anthracene	9.79	178	20760	5.18288	ppb	97
14) Fluoranthene	11.12	202	31083	4.92495	ppb	99
16) Pyrene	11.37	202	31339	4.81888	ppb	94
18) Benz (a) anthracene	12.79	228	31261	5.16759	ppb	99
19) Chrysene	12.83	228	31804	5.15778	ppb	98
20) Indeno (1,2,3-cd) pyrene	15.87	276	30142	5.11627	ppb	95
22) Benzo (b) fluoranthene	13.98	252	27948	4.88234	ppb	98
23) Benzo (k) fluoranthene	14.01	252	30247	5.63699	ppb	99
24) Benzo (a) pyrene	14.28	252	26947	5.42562	ppb	98
25) Dibenz (a,h) anthracene	15.87	278	25384	5.32810	ppb	97
26) Benzo (g,h,i) perylene	16.30	276	25197	5.02478	ppb	97

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0107L010.D           Vial: 10
Acq On    :  7 Jan 11  18:02                       Operator: LF
Sample    : 5.0ug/ml PAH SS 01-07-11               Inst    : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Jan  8 12:03 2011           Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Wed Jan 19 10:30:03 2011
Response via  : Initial Calibration
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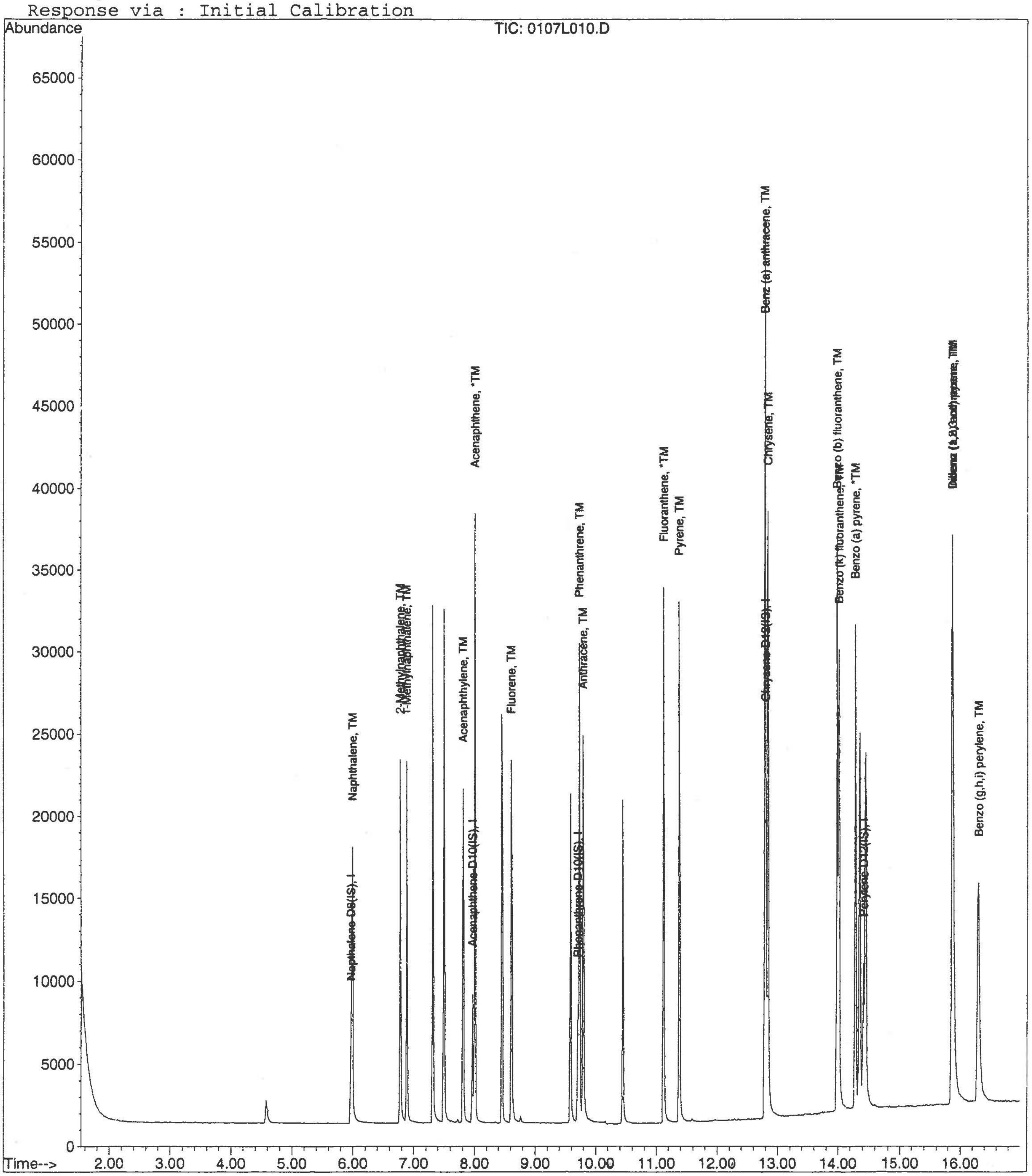

EPA 8270C SIM

Form 7

Continuing Calibration

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

SDG No: 63706
Date Analyzed: 01/31/11
Instrument: Linus
Initial Cal. Date: 01/07/11
Data File: 0131L002.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	S	Surrogate Recovery (NBZ)	0.4796	0.4746	1.0	S	
3	TM	Naphthalene	1.734	1.684	2.9	TM	
4	TM	2-Methylnaphthalene	1.143	1.076	5.8	TM	
5	TM	1-Methylnaphthalene	1.075	1.072	0.30	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	S	Surrogate Recovery (FBP)	2.223	2.369	6.6	S	
8	TM	Acenaphthylene	3.469	3.526	1.6	TM	
9	*TM	Acenaphthene	1.980	2.029	2.5	*TM	
10	TM	Fluorene	2.441	2.522	3.3	TM	
11	I	Phenanthrene-D10(IS)	ISTD			I	
12	TM	Phenanthrene	2.083	2.051	1.6	TM	
13	TM	Anthracene	2.098	2.136	1.8	TM	
14	*TM	Fluoranthene	3.305	3.244	1.9	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.755	1.767	0.68	TM	
17	S	Surrogate Recovery (TPH)	0.9950	1.010	1.5	S	
18	TM	Benz (a) anthracene	1.632	1.643	0.67	TM	
19	TM	Chrysene	1.664	1.653	0.62	TM	
20	TM	Indeno (1,2,3-cd) pyrene	1.590	1.669	5.0	TM	
21	I	Perylene-D12(IS)	ISTD			I	
22	TM	Benzo (b) fluoranthene	1.865	1.673	10	TM	
23	TM	Benzo (k) fluoranthene	1.748	1.891	8.2	TM	
24	*TM	Benzo (a) pyrene	1.618	1.580	2.4	*TM	
25	TM	Dibenz (a,h) anthracene	1.552	1.506	3.0	TM	
26	TM	Benzo (g,h,i) perylene	1.634	1.548	5.2	TM	
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			3.2		

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0131L002.D Vial: 2
Acq On : 31 Jan 11 10:13 Operator: LF
Sample : 5.0ug/ml PAH 01-07-11 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 1 13:53 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.95	136	6449	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	7.95	164	3111	2.50000 ppb		-0.01
11) Phenanthrene-D10(IS)	9.70	188	5232	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.80	240	9983	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.41	264	8958	2.50000 ppb		0.00
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.20	82	6122	4.94844 ppb		-0.02
Spiked Amount 2.000			Recovery	= 247.400%		
7) Surrogate Recovery (FBP)	7.19	172	14740	5.32875 ppb		-0.01
Spiked Amount 2.000			Recovery	= 266.450%		
17) Surrogate Recovery (TPH)	11.57	244	20166	5.07551 ppb		0.00
Spiked Amount 2.000			Recovery	= 253.800%		
Target Compounds						Qvalue
3) Naphthalene	5.97	128	21722	4.85569 ppb		98
4) 2-Methylnaphthalene	6.77	142	13884	4.70950 ppb		79
5) 1-Methylnaphthalene	6.88	142	13821	4.98499 ppb		92
8) Acenaphthylene	7.80	152	21936	5.08180 ppb		99
9) Acenaphthene	7.99	154	12625	5.12354 ppb		99
10) Fluorene	8.60	166	15690	5.16440 ppb		94
12) Phenanthrene	9.73	178	21458	4.92192 ppb		98
13) Anthracene	9.79	178	22347	5.09070 ppb		99
14) Fluoranthene	11.12	202	33943	4.90732 ppb		95
16) Pyrene	11.37	202	35272	5.03410 ppb	#	85
18) Benz (a) anthracene	12.79	228	32806	5.03350 ppb		98
19) Chrysene	12.82	228	33011	4.96902 ppb		98
20) Indeno (1,2,3-cd) pyrene	15.88	276	33314	5.24855 ppb	#	68
22) Benzo (b) fluoranthene	13.98	252	29971	4.48411 ppb	#	84
23) Benzo (k) fluoranthene	14.01	252	33888	5.40890 ppb	#	58
24) Benzo (a) pyrene	14.28	252	28302	4.88038 ppb		96
25) Dibenz (a,h) anthracene	15.88	278	26975	4.84922 ppb		97
26) Benzo (g,h,i) perylene	16.32	276	27739	4.73758 ppb	#	67

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0131L002.D          Vial: 2
Acq On    : 31 Jan 11  10:13                      Operator: LF
Sample    : 5.0ug/ml PAH 01-07-11                 Inst    : Linus
Misc      :                                       Multiplr: 1.00

Quant Time: Feb  1 13:53 2011         Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
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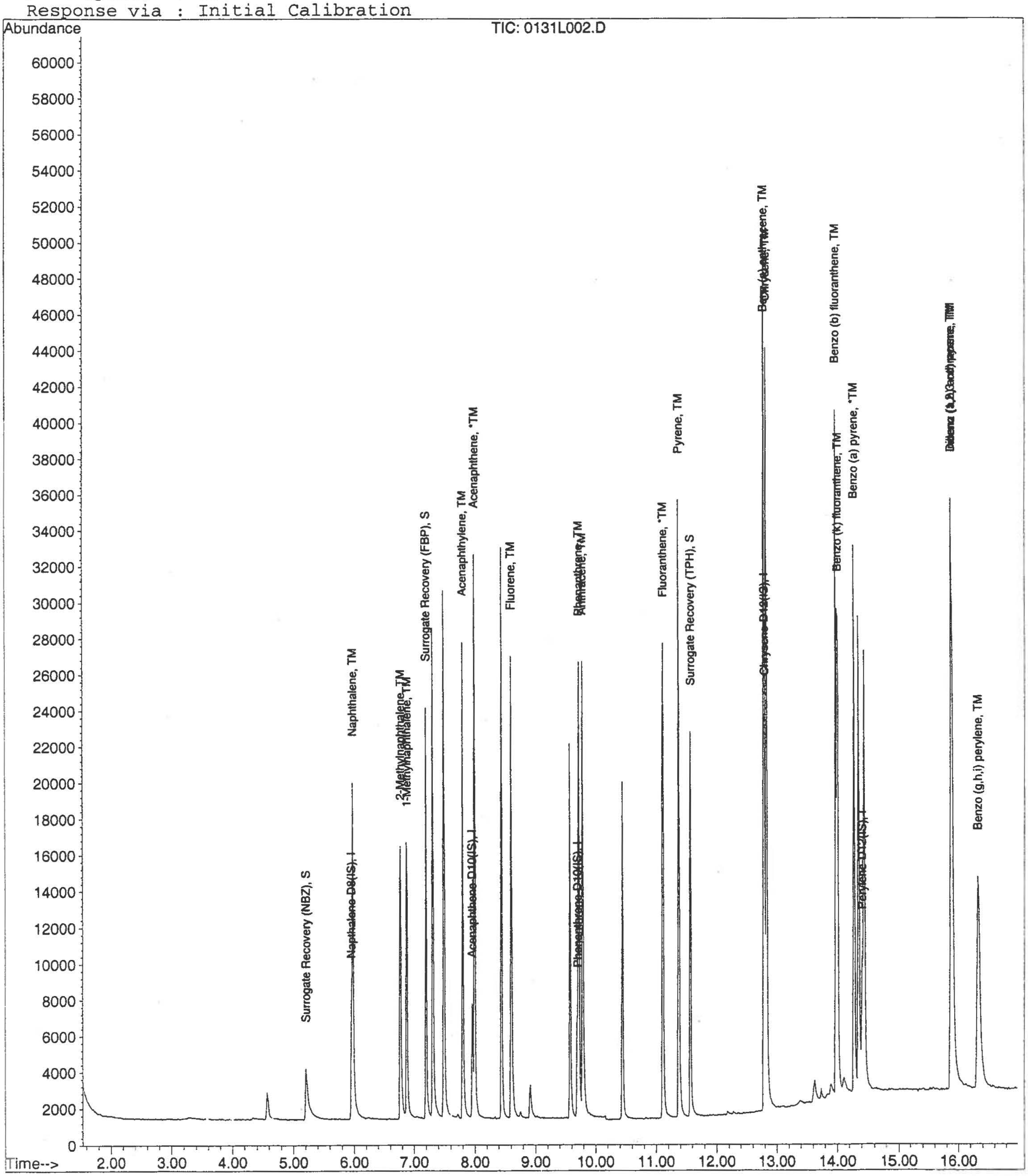

EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Raw Data

APPL, INC.

Method Blank

EPA 8270D SIM

Blank Name/QCG: **110126W-30578 - 151631**
Batch ID: #SIMHC-110126A

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	01/26/11	01/31/11
BLANK	2-METHYLNAPHTHALENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	ACENAPHTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	ACENAPHTHYLENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	BENZO(A)ANTHRACENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	BENZO(A)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	BENZO(B)FLUORANTHENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	BENZO(GHI)PERYLENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
BLANK	BENZO(K)FLUORANTHENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	CHRYSENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	DIBENZ(A,H)ANTHRACENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	FLUORANTHENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
BLANK	FLUORENE	0.12 U	0.2	0.12	0.06	ug/L	01/26/11	01/31/11
BLANK	INDENO(1,2,3-CD)PYRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.05	ug/L	01/26/11	01/31/11
BLANK	PHENANTHRENE	0.14 U	0.2	0.14	0.07	ug/L	01/26/11	01/31/11
BLANK	PYRENE	0.16 U	0.2	0.16	0.08	ug/L	01/26/11	01/31/11
BLANK	SURROGATE: 2-FLUORBIPHENY	54.8	50-110			%	01/26/11	01/31/11
BLANK	SURROGATE: NITROBENZENE-	64.9	40-110			%	01/26/11	01/31/11
BLANK	SURROGATE: TERPHENYL-D14 (	66.4	50-135			%	01/26/11	01/31/11

Quant Method: SIM2.M
Run #: 0131L003
Instrument: Linus
Sequence: L110107
Initials: LF

GC SC-Blank-REG MDLs
Printed: 02/01/11 3:02:50 PM

```
Data File : M:\LINUS\DATA\L110107\0131L003.D            Vial: 3
Acq On    : 31 Jan 11  10:38                        Operator: LF
Sample    : 110126A BLK 1/1000                       Inst   : Linus
Misc      :                                         Multiplr: 1.00

Quant Time: Feb  1 13:54 2011              Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.96	136	4627	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	7.97	164	2244	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.71	188	4014	2.50000 ppb	0.01
15) Chrysene-D12(IS)	12.81	240	7822	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	264	6781	2.50000 ppb	0.02
System Monitoring Compounds					
2) Surrogate Recovery (NBZ)	5.23	82	1152	1.29784 ppb	0.00
Spiked Amount 2.000			Recovery	= 64.900%	
7) Surrogate Recovery (FBP)	7.21	172	2187	1.09611 ppb	0.00
Spiked Amount 2.000			Recovery	= 54.800%	
17) Surrogate Recovery (TPH)	11.57	244	4132	1.32728 ppb	0.00
Spiked Amount 2.000			Recovery	= 66.350%	

Target Compounds   Qvalue

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0131L003.D          Vial: 3
Acq On    : 31 Jan 11  10:38                       Operator: LF
Sample    : 110126A BLK 1/1000                     Inst    : Linus
Misc      :                                        Multiplr: 1.00

Quant Time: Feb  1 13:54 2011              Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
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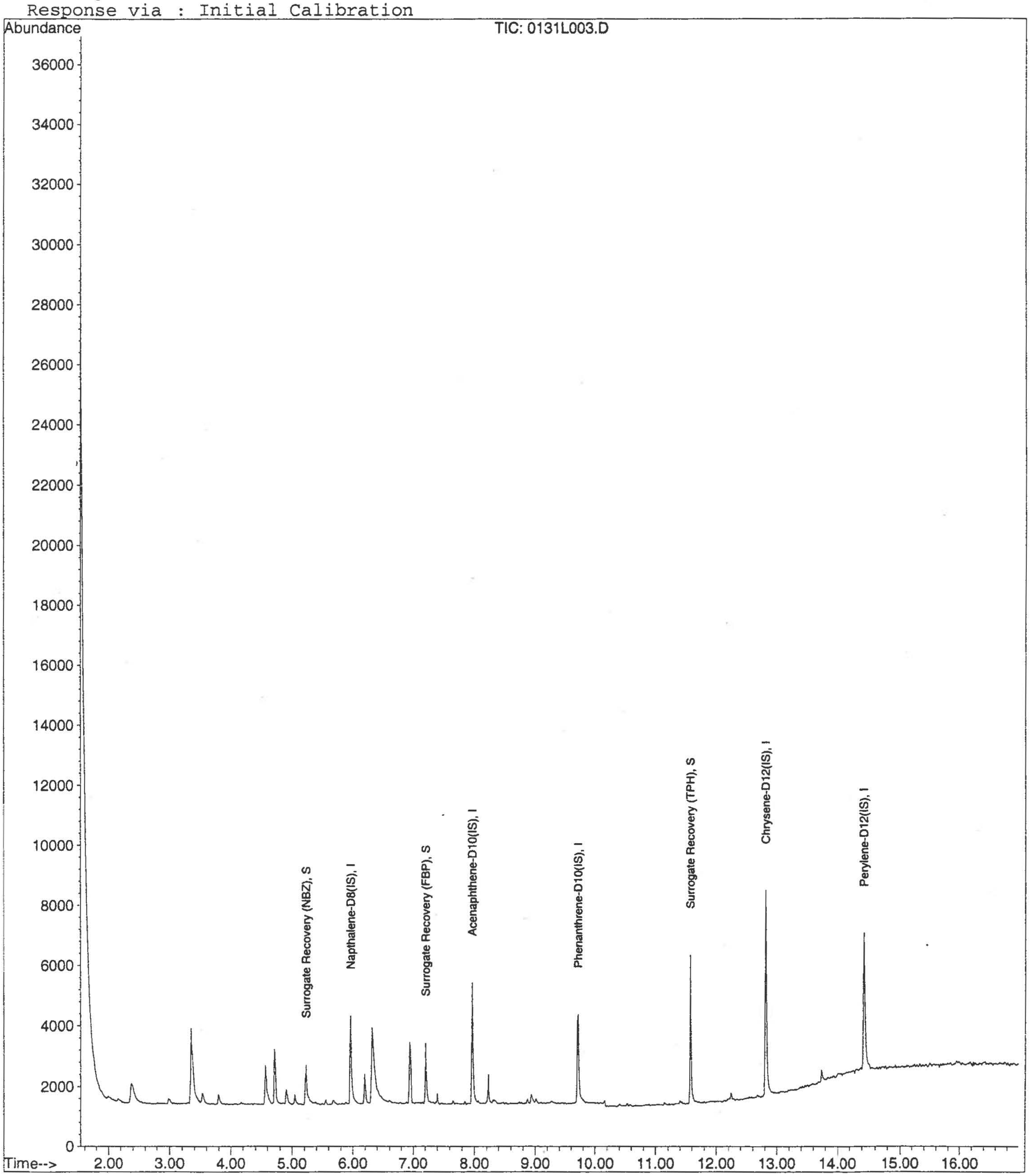


Laboratory Control Spike Recovery
EPA 8270D SIM

APPL ID: **110126W-30578 LCS - 151631**
Batch ID: #SIMHC-110126A

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	2.25	56.3	45-105
2-METHYLNAPHTHALENE	4.00	2.26	56.5	45-105
ACENAPHTHENE	4.00	2.44	61.0	45-110
ACENAPHTHYLENE	4.00	2.24	56.0	50-105
ANTHRACENE	4.00	2.39	59.8	55-110
BENZO(A)ANTHRACENE	4.00	2.52	63.0	55-110
BENZO(A)PYRENE	4.00	2.60	65.0	55-110
BENZO(B)FLUORANTHENE	4.00	2.55	63.7	45-120
BENZO(GHI)PERYLENE	4.00	2.59	64.8	40-125
BENZO(K)FLUORANTHENE	4.00	2.85	71.3	45-125
CHRYSENE	4.00	2.75	68.8	55-110
DIBENZ(A,H)ANTHRACENE	4.00	2.70	67.5	40-125
FLUORANTHENE	4.00	2.77	69.3	55-115
FLUORENE	4.00	2.58	64.5	50-110
INDENO(1,2,3-CD)PYRENE	4.00	2.77	69.3	45-125
NAPHTHALENE	4.00	2.32	58.0	40-100
PHENANTHRENE	4.00	2.68	67.0	50-115
PYRENE	4.00	2.64	66.0	50-130
SURROGATE: 2-FLUORBIPHENYL (S)	2.00	1.18	59.0	50-110
SURROGATE: NITROBENZENE-D5 (S)	2.00	1.39	69.5	40-110
SURROGATE: TERPHENYL-D14 (S)	2.00	1.35	67.5	50-135

Comments: ____________________

Primary	SPK
Quant Method :	SIM2.M
Extraction Date :	01/26/11
Analysis Date :	01/31/11
Instrument :	Linus
Run :	0131L004
Initials :	LF

Printed: 02/01/11 3:02:53 PM

APPL Standard LCS

Data File : M:\LINUS\DATA\L110107\0131L004.D Vial: 4
Acq On : 31 Jan 11 11:04 Operator: LF
Sample : 110126A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 1 13:54 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.95	136	4980	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	7.97	164	2554	2.50000 ppb		0.00
11) Phenanthrene-D10(IS)	9.70	188	4333	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.80	240	8857	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.42	264	7616	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.23	82	1330	1.39216 ppb		0.00
Spiked Amount 2.000			Recovery	= 69.600%		
7) Surrogate Recovery (FBP)	7.21	172	2677	1.17884 ppb		0.00
Spiked Amount 2.000			Recovery	= 58.950%		
17) Surrogate Recovery (TPH)	11.57	244	4755	1.34892 ppb		0.00
Spiked Amount 2.000			Recovery	= 67.450%		
Target Compounds						Qvalue
3) Naphthalene	5.97	128	8003	2.31668 ppb		99
4) 2-Methylnaphthalene	6.77	142	5156	2.26483 ppb		79
5) 1-Methylnaphthalene	6.88	142	4810	2.24664 ppb		94
8) Acenaphthylene	7.80	152	7940	2.24058 ppb		97
9) Acenaphthene	8.00	154	4928	2.43606 ppb		95
10) Fluorene	8.60	166	6446	2.58444 ppb		99
12) Phenanthrene	9.73	178	9687	2.68296 ppb		99
13) Anthracene	9.79	178	8692	2.39088 ppb		98
14) Fluoranthene	11.12	202	15875	2.77132 ppb		99
16) Pyrene	11.37	202	16412	2.64015 ppb		95
18) Benz (a) anthracene	12.79	228	14574	2.52040 ppb		99
19) Chrysene	12.83	228	16203	2.74905 ppb	#	94
20) Indeno (1,2,3-cd) pyrene	15.90	276	15579	2.76647 ppb	#	63
22) Benzo (b) fluoranthene	13.99	252	14510	2.55344 ppb	#	83
23) Benzo (k) fluoranthene	14.01	252	15188	2.85133 ppb	#	59
24) Benzo (a) pyrene	14.29	252	12796	2.59534 ppb	#	94
25) Dibenz (a,h) anthracene	15.90	278	12787	2.70373 ppb		99
26) Benzo (g,h,i) perylene	16.34	276	12875	2.58641 ppb	#	64

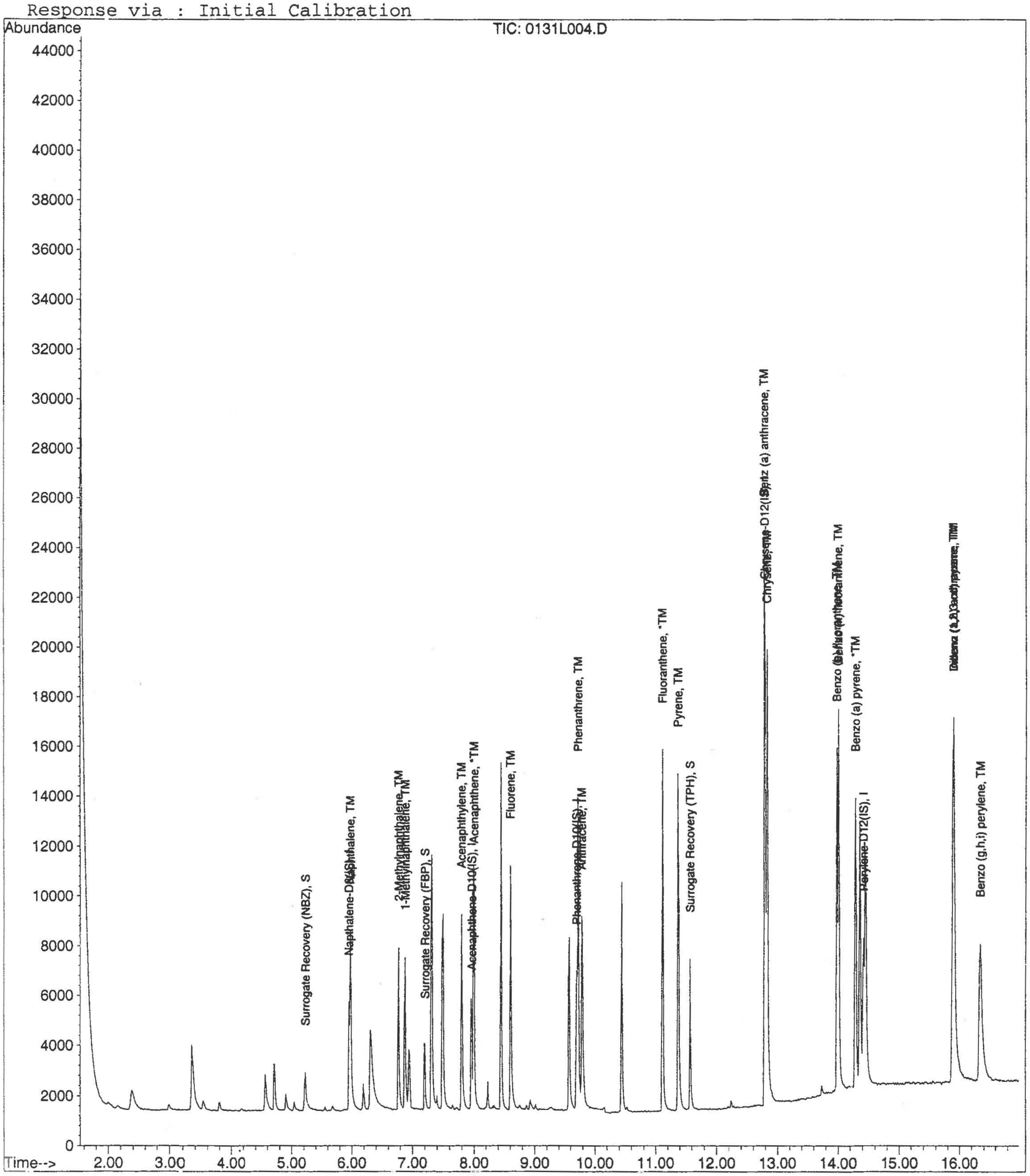
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0131L004.D          Vial: 4
Acq On    : 31 Jan 11  11:04                      Operator: LF
Sample    : 110126A LCS-1 1/1000                  Inst    : Linus
Misc      :                                       Multiplr: 1.00

Quant Time: Feb  1 13:54 2011              Quant Results File: SIM2.RES

Method        : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title         : EPA 8270C
Last Update   : Tue Feb 01 09:35:44 2011
Response via  : Initial Calibration
```



Matrix Spike Recoveries
EPA 8270D SIM

APPL ID: **110126W-30578 MS - 151631**
Batch ID: #SIMHC-110126A
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	4.00	ND	2.20	2.22	55.0	55.5	45-105	0.90	25
2-METHYLNAPHTHALENE	4.00	ND	2.09	2.13	52.3	53.3	45-105	1.9	25
ACENAPHTHENE	4.00	ND	2.17	2.68	54.3	67.0	45-110	21.0	25
ACENAPHTHYLENE	4.00	ND	2.12	2.11	53.0	52.8	50-105	0.47	25
ANTHRACENE	4.00	ND	2.05	2.40	51.2 #	60.0	55-110	15.7	25
BENZO(A)ANTHRACENE	4.00	ND	2.04	2.58	51.0 #	64.5	55-110	23.4	25
BENZO(A)PYRENE	4.00	ND	2.21	2.51	55.3	62.7	55-110	12.7	25
BENZO(B)FLUORANTHENE	4.00	ND	2.13	2.62	53.3	65.5	45-120	20.6	25
BENZO(GHI)PERYLENE	4.00	ND	2.10	2.52	52.5	63.0	40-125	18.2	25
BENZO(K)FLUORANTHENE	4.00	ND	2.25	2.47	56.3	61.8	45-125	9.3	25
CHRYSENE	4.00	ND	2.25	2.65	56.3	66.3	55-110	16.3	25
DIBENZ(A,H)ANTHRACENE	4.00	ND	2.23	2.59	55.8	64.8	40-125	14.9	25
FLUORANTHENE	4.00	ND	2.25	2.76	56.3	69.0	55-115	20.4	25
FLUORENE	4.00	ND	2.23	2.68	55.8	67.0	50-110	18.3	25
INDENO(1,2,3-CD)PYRENE	4.00	ND	2.24	2.73	56.0	68.3	45-125	19.7	25
NAPHTHALENE	4.00	ND	2.12	2.08	53.0	52.0	40-100	1.9	25
PHENANTHRENE	4.00	ND	2.28	2.70	57.0	67.5	50-115	16.9	25
PYRENE	4.00	ND	2.15	2.74	53.8	68.5	50-130	24.1	25
SURROGATE: 2-FLUORBIPHENYL (S)	2.00	NA	1.08	1.26	54.0	63.0	50-110		
SURROGATE: NITROBENZENE-D5 (S)	2.00	NA	1.31	1.31	65.5	65.5	40-110		
SURROGATE: TERPHENYL-D14 (S)	2.00	NA	1.17	1.35	58.5	67.5	50-135		

= Recovery is outside QC limits.

Comments: ______

Primary	SPK	DUP
Quant Method :	SIM2.M	SIM2.M
Extraction Date :	01/26/11	01/26/11
Analysis Date :	01/31/11	01/31/11
Instrument :	Linus	Linus
Run :	0131L013	0131L014
Initials :	LF	

Printed: 02/01/11 3:02:55 PM
APPL MSD SCII

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0131L013.D Vial: 13
Acq On : 31 Jan 11 14:51 Operator: LF
Sample : AY30578W18 MS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 1 14:00 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.95	136	5484	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	7.95	164	2683	2.50000 ppb		-0.01
11) Phenanthrene-D10(IS)	9.70	188	4737	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.80	240	9584	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.42	264	8174	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.23	82	1381	1.31269 ppb		0.00
Spiked Amount 2.000			Recovery	= 65.650%		
7) Surrogate Recovery (FBP)	7.21	172	2567	1.07605 ppb		0.00
Spiked Amount 2.000			Recovery	= 53.800%		
17) Surrogate Recovery (TPH)	11.57	244	4453	1.16742 ppb		0.00
Spiked Amount 2.000			Recovery	= 58.350%		
Target Compounds						Qvalue
3) Naphthalene	5.97	128	8049	2.11587 ppb		98
4) 2-Methylnaphthalene	6.77	142	5230	2.08620 ppb		82
5) 1-Methylnaphthalene	6.88	142	5188	2.20049 ppb		93
8) Acenaphthylene	7.80	152	7890	2.11942 ppb		98
9) Acenaphthene	7.99	154	4619	2.17353 ppb		98
10) Fluorene	8.60	166	5831	2.22546 ppb		94
12) Phenanthrene	9.73	178	8993	2.27832 ppb		99
13) Anthracene	9.79	178	8159	2.05286 ppb		97
14) Fluoranthene	11.12	202	14113	2.25360 ppb		97
16) Pyrene	11.37	202	14485	2.15340 ppb		92
18) Benz (a) anthracene	12.79	228	12751	2.03786 ppb		98
19) Chrysene	12.83	228	14335	2.24763 ppb	#	94
20) Indeno (1,2,3-cd) pyrene	15.90	276	13635	2.23760 ppb	#	65
22) Benzo (b) fluoranthene	13.99	252	12996	2.13089 ppb	#	81
23) Benzo (k) fluoranthene	14.01	252	12854	2.24842 ppb	#	60
24) Benzo (a) pyrene	14.29	252	11705	2.21199 ppb	#	93
25) Dibenz (a,h) anthracene	15.89	278	11306	2.22739 ppb		98
26) Benzo (g,h,i) perylene	16.34	276	11239	2.10363 ppb	#	67

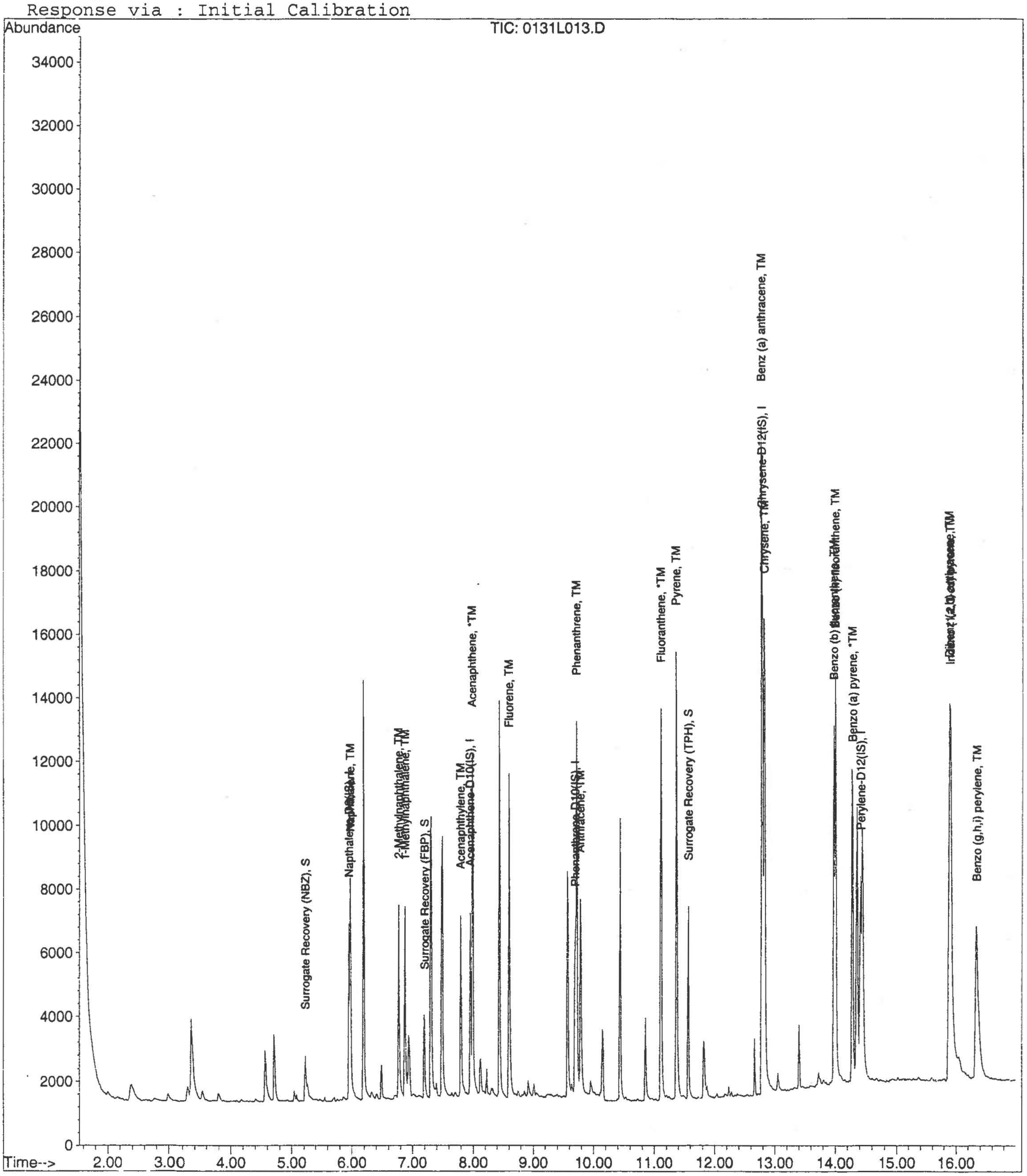
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0131L013.D Vial: 13
Acq On : 31 Jan 11 14:51 Operator: LF
Sample : AY30578W18 MS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Feb 1 14:00 2011 Quant Results File: SIM2.RES

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L110107\0131L014.D
Acq On : 31 Jan 11 15:16
Sample : AY30578W11 MSD-1 1/1000
Misc :

Vial: 14
Operator: LF
Inst : Linus
Multiplr: 1.00

Quant Time: Feb 1 13:46 2011 Quant Results File: SIM2.RES

Quant Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C
Last Update : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
DataAcq Meth : 87SIMAQ

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Napthalene-D8(IS)	5.95	136	5568	2.50000 ppb		-0.01
6) Acenaphthene-D10(IS)	7.95	164	2649	2.50000 ppb		-0.01
11) Phenanthrene-D10(IS)	9.70	188	4552	2.50000 ppb		0.00
15) Chrysene-D12(IS)	12.80	240	9072	2.50000 ppb		0.00
21) Perylene-D12(IS)	14.42	264	8058	2.50000 ppb		0.01
System Monitoring Compounds						
2) Surrogate Recovery (NBZ)	5.23	82	1399	1.30974 ppb		0.00
Spiked Amount 2.000			Recovery	= 65.500%		
7) Surrogate Recovery (FBP)	7.19	172	2971	1.26139 ppb		-0.01
Spiked Amount 2.000			Recovery	= 63.050%		
17) Surrogate Recovery (TPH)	11.57	244	4876	1.35046 ppb		0.00
Spiked Amount 2.000			Recovery	= 67.500%		
Target Compounds						Qvalue
3) Naphthalene	5.97	128	8023	2.07721 ppb		99
4) 2-Methylnaphthalene	6.77	142	5431	2.13370 ppb		81
5) 1-Methylnaphthalene	6.88	142	5312	2.21910 ppb		94
8) Acenaphthylene	7.80	152	7743	2.10663 ppb		98
9) Acenaphthene	7.99	154	5620	2.67851 ppb		99
10) Fluorene	8.60	166	6934	2.68039 ppb		94
12) Phenanthrene	9.73	178	10254	2.70336 ppb		97
13) Anthracene	9.79	178	9164	2.39944 ppb		97
14) Fluoranthene	11.12	202	16621	2.76195 ppb		97
16) Pyrene	11.37	202	17458	2.74185 ppb	#	86
18) Benz (a) anthracene	12.79	228	15310	2.58494 ppb		99
19) Chrysene	12.83	228	16012	2.65226 ppb	#	94
20) Indeno (1,2,3-cd) pyrene	15.90	276	15771	2.73420 ppb	#	62
22) Benzo (b) fluoranthene	13.99	252	15741	2.61813 ppb	#	82
23) Benzo (k) fluoranthene	14.01	252	13909	2.46798 ppb	#	59
24) Benzo (a) pyrene	14.28	252	13094	2.51011 ppb	#	94
25) Dibenz (a,h) anthracene	15.89	278	12973	2.59259 ppb		97
26) Benzo (g,h,i) perylene	16.33	276	13275	2.52048 ppb	#	69

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

Quantitation Report

```
Data File : M:\LINUS\DATA\L110107\0131L014.D            Vial: 14
Acq On    : 31 Jan 11  15:16                         Operator: LF
Sample    : AY30578W11 MSD-1 1/1000                  Inst    : Linus
Misc      :                                          Multiplr: 1.00

Quant Time: Feb  1 13:46 2011              Quant Results File: SIM2.RES

Method       : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title        : EPA 8270C
Last Update  : Tue Feb 01 09:35:44 2011
Response via : Initial Calibration
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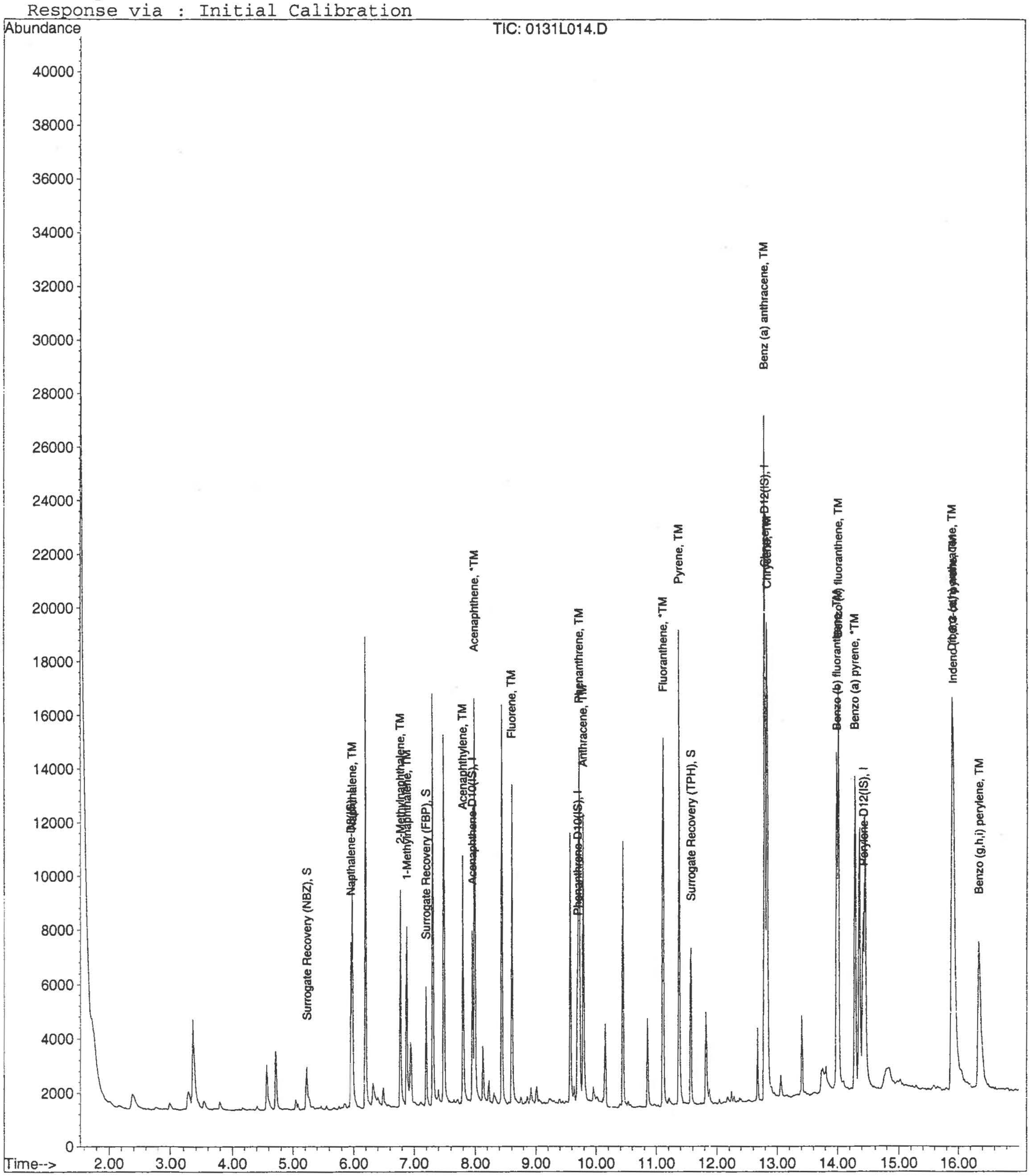
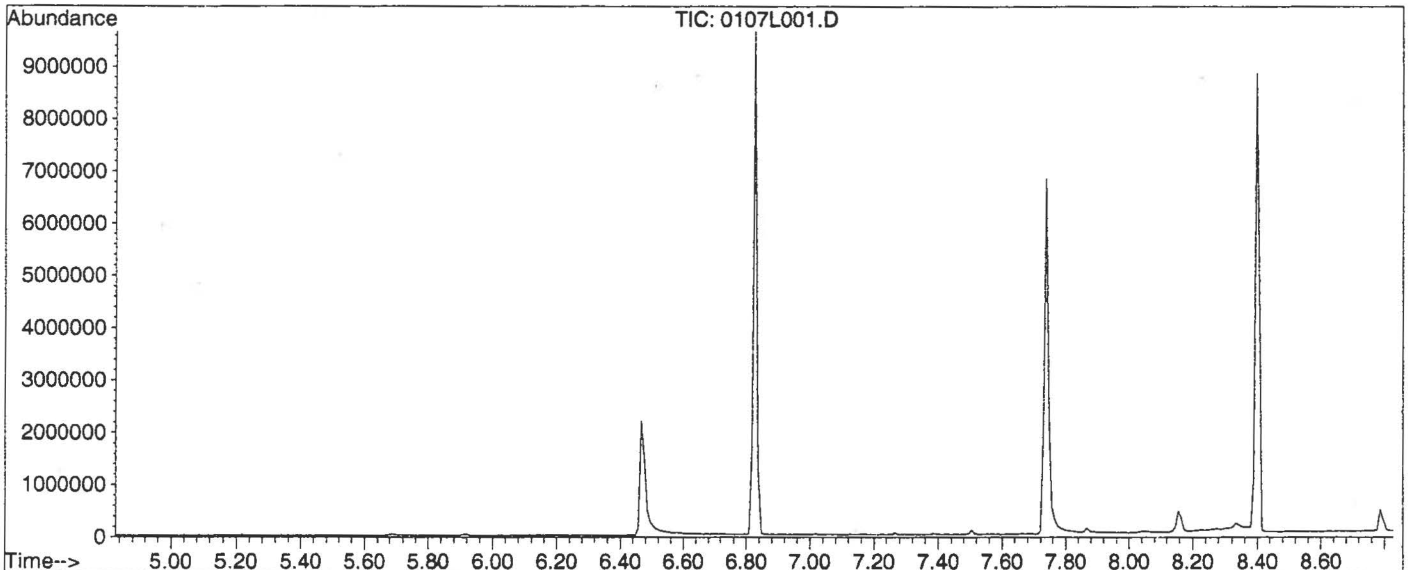
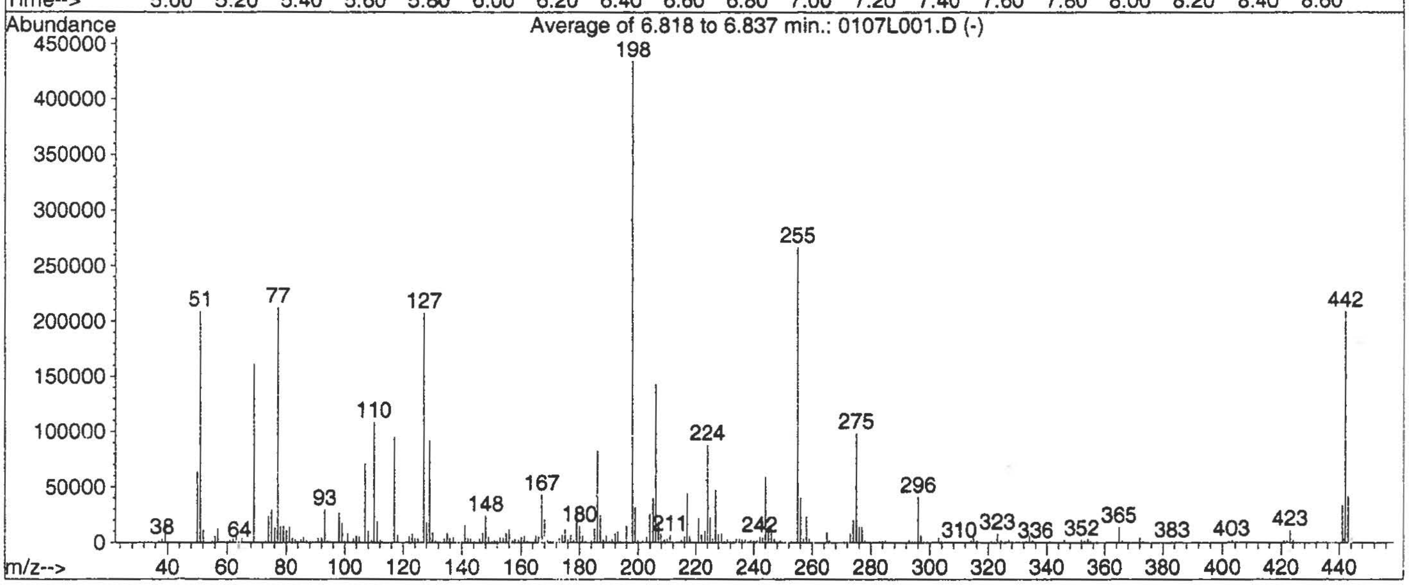


DFTPP

```
Data File : M:\LINUS\DATA\L110107\0107L001.D           Vial: 1
Acq On    :  7 Jan 11  14:22                       Operator: LF
Sample    : SVTUNE 04-12-10                        Inst    : Linus
Misc      :                                        Multiplr: 1.00

Method    : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title     : EPA 8270C
```





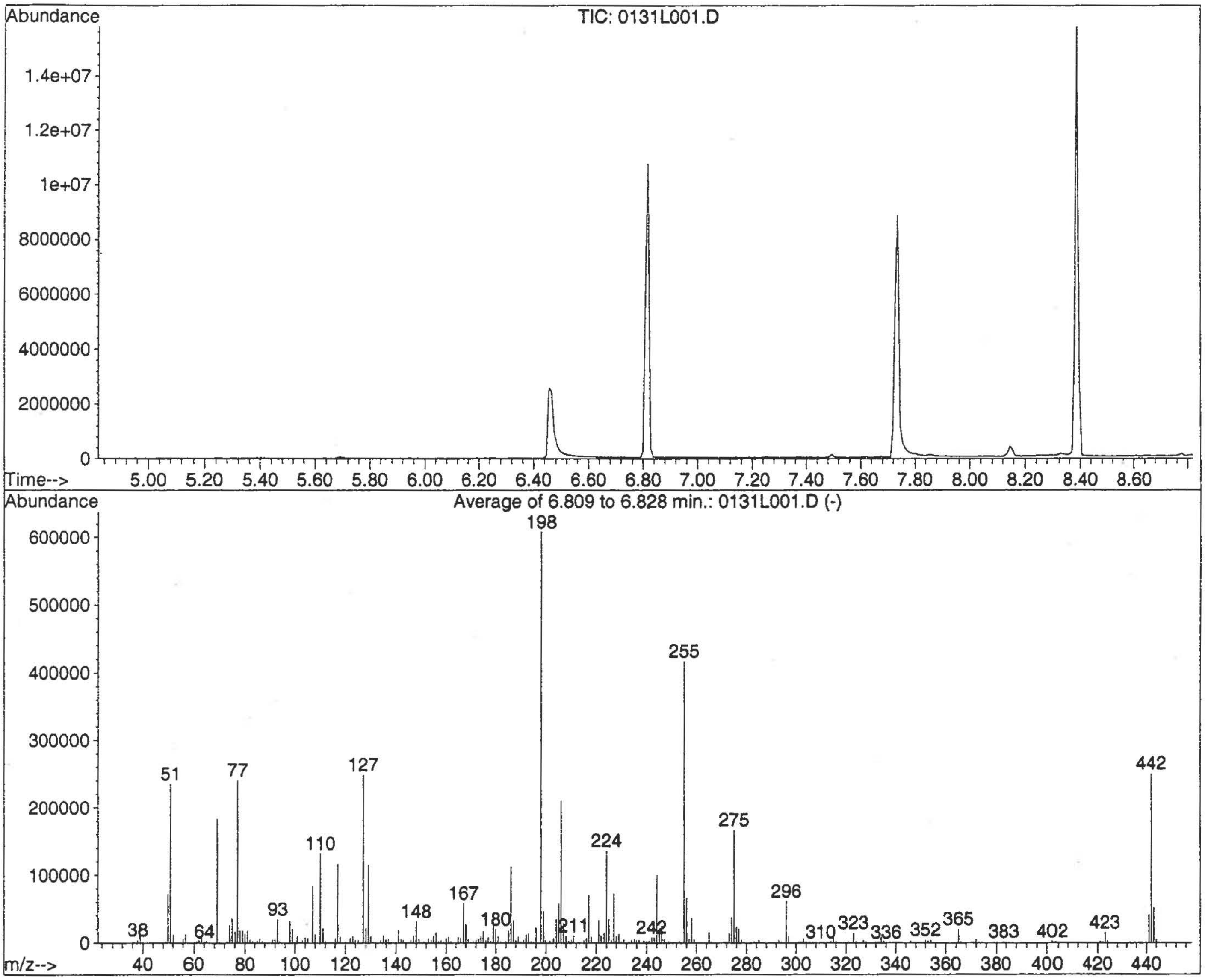
Spectrum Information: Average of 6.818 to 6.837 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.1	208946	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.3	539	PASS
127	198	40	60	47.8	207460	PASS
197	198	0.00	1	0.1	238	PASS
198	198	100	100	100.0	434355	PASS
199	198	5	9	7.3	31701	PASS
275	198	10	30	22.7	98511	PASS
365	198	1	100	3.2	13959	PASS
441	443	0.01	100	80.1	33618	PASS
442	198	40	150	48.0	208696	PASS
443	442	17	23	20.1	41957	PASS

DFTPP

Data File : M:\LINUS\DATA\L110107\0131L001.D　　　Vial: 1
Acq On : 31 Jan 11 9:55　　　Operator: LF
Sample : SVTUNE 04-12-10　　　Inst : Linus
Misc : 　　　Multiplr: 1.00

Method : M:\LINUS\DATA\L110107\SIM2.M (RTE Integrator)
Title : EPA 8270C



Spectrum Information: Average of 6.809 to 6.828 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	38.7	235140	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	918	PASS
127	198	40	60	40.9	248694	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	608160	PASS
199	198	5	9	7.7	47048	PASS
275	198	10	30	27.4	166912	PASS
365	198	1	100	3.2	19753	PASS
441	443	0.01	100	79.0	41178	PASS
442	198	40	150	41.2	250539	PASS
443	442	17	23	20.8	52131	PASS

LF3/4/10

LF

PREP DATE:	03-04-10												
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	146582-26313	03/04/10	03-04-11	0	0	0	0	5	5	25	50
	5.0ug/mL	5		03/04/10		0	0	10	20	0	0	0	0
	1.0ug/mL	1		03/04/10		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	149231-24856	03/04/10	03-04-11	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47080			90	80	90	80	190	90	50	0
					Final Vol.	100	100	100	100	200	100	100	100

LF3/4/10

LF

PREP DATE:	03-04-10						
SIM 8270 Second Source (5µg/mL)							
Exp:	03-18-10						
				Conc.	Date	CODE:	
Supplier	ID #		Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)		145112-24097	200	03/04/10	03-04-11	5
	MeCl2			Lot#47080			195
					Final Volume		200

LF3/12/10

LF

PREP DATE:	03-12-10														
8270T STANDARD CURVE															
Exp:	04-11-10					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		02/23/10	08-24-10	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			03/12/10		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			03/12/10		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	149231-24856	03/04/10	03-04-11	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

LF3/12/10

PREP DATE:	03-12-10					
8270/625 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		02/23/10	08-24-10	25
EM Science	Methylene Chloride		47080			75
					Final Vol.	100

LF

LF4/6/10

LF

PREP DATE:	04-06-10												
8270 STANDARD CURVE													
Exp:	04-13-10					5	10	20	40	50	60	80	100
		Conc.		Date	CODE:	I	J	K	L	M	N	O	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL	µL	µL	µL	µL	µL	µL	µL
	8270T Stock	200		03/23/10	08-24-10	5	5	10	20	25	30	40	50
	Surrogate Stock	VAR	149231-24856	03/04/10	03-04-11	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080			190	90	80	60	50	40	20	0
					Final Vol.	200	100	100	100	100	100	100	100

LF4/6/10

LF

PREP DATE:	04-06-10					
8270/625 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		02/23/10	08-24-10	25
EM Science	Methylene Chloride		47030			75
					Final Vol.	100

LF4/12/10

GCM-150-1
Lot CF-2995
Exp 08/31/2011
ULTRA 1 mL
LF
Semi-Volatiles GC/MS Tuning Standard
4 analyte(s) at 1000 µg/mL in dichloromethane
250 Smith St. No Kingstown, RI 02852 USA

Semi-volatiles GC/MS Tuning Standard
Lot #: CF-2995 - 26132
Rec: 2/17/10 MFR exp. 08/31/11

exp 4/12/11

VF 4/12/10

PREP DATE:	04-12-10					
SV Tune Mix 50ug/ml						
Exp:	04-12-11					VF
		Conc.		Date	CODE:	B
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
U. Scientific	GCM-150	1000	CF-2995-26132	04/12/10	08-31-11	1000
EM Science	MeCl2		47080			19000
					Final Vol	20000

VF 4/12/10 VF

Part #: 10001
Lot #: 032009
Laboratory Use Only - See MSDS
Exp: 032012 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in m
ABSOLUTE STANDA
CLP Semi-Volatiles Base/Neutrals Mix #1
Lot #: 032009 - 25510
Rec: 11/17/09 MFR exp. 03/20/12

VF

exp 4/12/11

VF 4/12/10

Part #: 10002
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14 components
2000 ug/mL in me
ABSOLUTE STANDA
CLP Semi-Volatiles Base Neutrals Mix #2
Lot #: 073109 - 25516
Rec: 11/17/09 MFR exp. 07/31/12

VF

exp 4/12/11

VF 4/12/10

Part #: 10004
Lot #: 060407
Laboratory Use Only - See MSDS
Exp: 060412 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in m
ABSOLUTE STANDA
CLP Semi-Volatiles Toxic Substances #1
Lot #: 060407 - 25521
Rec: 11/17/09 MFR exp. 06/04/12

VF

exp 4/12/11

VF 4/12/10

Part #: 10005
Lot #: 121208
Laboratory Use Only - See MSDS
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 - 25526
Rec: 11/17/09 MFR exp. 12/12/13

VF

exp 4/12/11

VF 4/12/10

Part #: 10006
Lot #: 102109
Laboratory Use Only - See MSDS
Exp: 102112 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in met
ABSOLUTE STANDAR
CLP Semi-Volatiles - Benzidines
Lot #: 102109 - 25531
Rec: 11/17/09 MFR exp. 10/21/12

VF

exp 4/12/11

VF 4/12/10

Part #: 10007
Lot #: 101409
Laboratory Use Only - See MSDS
Exp: 101414 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 components
2000 ug/mL in met
ABSOLUTE STANDAR
CLP Semi-Volatiles - PAH Mix
Lot #: 101409 - 25536
Rec: 11/17/09 MFR exp. 10/14/14

VF

exp 4/12/11

VF 4/12/10

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Ph
2000 ug/mL in met
ABSOLUTE STANDAR
EPA Method 8270A - Analytes Mix #8
Lot #: 073109 - [illegible]
Rec: 11/17/09 MFR exp. 07/31/14

VF

exp 4/12/11

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VF 10/6/10

TCL Hazardous Substances Solution 2, 2,000 mg/L, 1 ml
o2si
Cat. No: 110394-01 Exp: 4/17/2013
Lot No: 158122 Storage: </= -10 Degrees C
TCL Hzd. Soln. 2
Solvent: Methylene Chloride
Lot #: 148122 - 26459 For Research Use Only
Rec: 4/19/10 MFR exp. 04/17/13 :d: ____________

VF exp 10/6/11

VF 10/6/10

Atrazine Solution, 1,000 mg/L, 1 ml
o2si
Cat. No: 010337-01 Exp: 4/12/2012
Lot No: 158126 Storage: </= -10 Degrees C
Atrazine Solvent: Methylene Chloride
Lot #: 158136 - 26467 For Research Use Only
Rec: 4/19/10 MFR exp. 04/12/12 :d: ____________

VF exp 10/6/11

VF 10/6/10

8270 BN Solution 14-4, 2,000 mg/L, 1 ml
o2si
Cat. No: 110391-01 Exp: 4/17/2013
Lot No: 158119 Storage: </= -10 Degrees C
8270BN Solution 14-4 Solvent: Methylene Chloride
Lot #: 158119 - 26453 tion For Research Use Only
Rec: 4/19/10 MFR exp. 04/17/13 pened: ____________

VF exp 10/6/11

VF 10/6/10

8270 BN Solution 14-3, 2,000 mg/L, 1 ml
o2si
Cat. No: 110392-01 Exp: 4/17/2013
Lot No: 158120 Storage: </= -10 Degrees C
8270BN Solution 14-3 Solvent: Methylene Chloride
Lot #: 158120 - 26455 ion For Research Use Only
Rec: 4/19/10 MFR exp. 04/17/13 pened: ____________

VF exp 10/6/11

VF 10/6/10

8270 Acid Solution 4-6, 2,000 mg/L, 1 ml
o2si
Cat. No: 110393-01 Exp: 4/17/2013
Lot No: 158121 Storage: </= -10 Degrees C
8270B Acid Solution 4-6 Solvent: Methylene Chloride
Lot #: 158121 - 26457 otion For Research Use Only
Rec: 4/19/10 MFR exp. 04/17/13 Opened: ____________

VF exp 10/6/11

VF 10/6/10

PAH Solution 17-3, 2,000 mg/L, 1 ml
o2si
Cat. No: 116070-02 Exp: 4/17/2013
Lot No: 158123 Storage: </= -10 Degrees C
PAH Solution Solvent: Methylene Chloride
Lot #: 158123 - 26461 For Research Use Only
Rec: 4/19/10 MFR exp. 04/17/13 :d: ____________

VF exp 10/6/11

VF 10/6/10

8270 Acid Solution 13-4, 2,000 mg/L, 1 ml
o2si
Cat. No: 110396-01 Exp: 4/17/2013
Lot No: 158124 Storage: </= -10 Degrees C
8270 Acid Solution 13-4 Solvent: Methylene Chloride
Lot #: 158124 - 26463 n For Research Use Only
Rec: 4/19/10 MFR exp. 04/17/13 ied: ____________

VF exp 10/6/11

VF 10/6/10

8270 BN Solution 4-21, 2,000 mg/L, 1 ml
o2si
Cat. No: 110395-01 Exp: 4/17/2013
Lot No: 158125 Storage: </= -10 Degrees C
8270BN Solution 4-21 Solvent: Methylene Chloride
Lot #: 158125 - 26465 n For Research Use Only
Rec: 4/19/10 MFR exp. 04/17/13 ned: ____________

VF exp 10/6/11

UF 10/6/10

o2si 8270 11 Compound Custom Mix, 200:2,000 mg/L, 1 ml
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 - 26470
Rec: 4/19/10 MFR exp. 04/12/12
Opened: ___

UF

UF 10/6/10

PREP DATE:	10-06-10					
8270C Second Source Stock Standard						
Exp:	10-06-11					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
O2SI	110391-01	2000	158119-26453	10-6-10A	04-17-13	1000
O2SI	110392-01	2000	158120-26455	10-6-10B	04-17-13	1000
O2SI	110393-01	2000	158121-26457	10-6-10C	04-17-13	1000
O2SI	110394-01	2000	148122-26459	10-6-10D	04-17-13	1000
O2SI	116070-02	2000	158123-26461	10-6-10F	04-17-13	1000
O2SI	110395-01	2000	158125-26465	10-6-10G	04-17-13	1000
O2SI	110396-01	2000	158124-26463	10-6-10H	04-17-13	1000
O2SI	110397-01	2000	158127-26470	10-6-10I	04-12-12	1000
O2SI	010337-01	1000	158136-26467	10-6-10J	04-12-12	1000
EM Science	MeCl2		47080			1000
					Final Vol	10000

UF

UF 10/7/10

o2si smart solutions 8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25767
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si smart solutions 8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25768
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si 8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25769
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si 8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25761
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

UF 10/7/10

o2si smart solutions 8270 BN:A (200:400) Surrogate Solution, 1 ml
Cat. No: 110004-17
Lot No: 149231
Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25762
Rec: 12/30/09 MFR exp. 07/29/11

UF exp 4/7/11

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UF 10/7/10

PREP DATE:	10-07-10					
8270C Stock/Spike Standard						
Exp:	04-09-11					UF
		Conc.		Date	CODE:	F
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-27434	10/07/10	03-20-12	1000
Absolute	10001	2000	032009-27433	10/07/10	03-20-12	1000
Absolute	10002	2000	073109-27439	10/07/10	07-31-12	1000
Absolute	10002	2000	073109-27438	10/07/10	07-31-12	1000
Absolute	10004	2000	101509-27442	10/07/10	10-15-14	1000
Absolute	10004	2000	101509-27444	10/07/10	10-15-14	1000
Absolute	10005	2000	121208-27449	10/07/10	12-12-13	1000
Absolute	10005	2000	121208-27448	10/07/10	12-12-13	1000
Absolute	10006	2000	072010-27454	10/07/10	07-20-13	1000
Absolute	10006	2000	072010-27456	10/07/10	07-20-13	1000
Absolute	10007	2000	100909-27457	10/07/10	10-09-14	1000
Absolute	10007	2000	100909-27456	10/07/10	10-09-14	1000
Absolute	10018	2000	073109-27462	10/07/10	07-31-14	1000
Absolute	10018	2000	073109-27461	10/07/10	07-31-14	1000
Absolute	70023	1000	090310-27472	10/07/10	09-03-13	1000
Absolute	70023	1000	090310-27471	10/07/10	09-03-13	1000
Absolute	82705	2000	052908-27477	10/07/10	05-29-11	1000
Absolute	82705	2000	052908-27476	10/07/10	05-29-11	1000
Absolute	94552	2000	080310-37467	10/07/10	08-03-15	1000
Absolute	94552	2000	080310-27466	10/07/10	08-03-15	1000
					Final Vol	20000

UF 11/11/10

o2si smart solutions

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

110004-17 Storage: </= -10 Degrees C

Made in USA Lot No: 160538 Solvent: Methylene Chloride

Exp: 6/10/2012

Date Opened: ___

8270 BN:A (200:400) Surrogate Solution

Lot #: 160538 - 27570

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

UF ~~osp 6/10~~ UF 11/11/11

AE 11/11/10

PREP DATE.	11-11-10															
8270T STANDARD CURVE														UF		
Exp:	12-11-10					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		10/07/10	04-09-11	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			11/11/10		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL		160538-27570	11/11/10		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	~~[illegible]~~	11/11/10	11-11-11	0	0	0	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080 UF			90	80	80	190	90	80	60	50	40	20	0
					Final Vol.			100	200	100	100	100	100	100	100	100

UF 11/11/10

PREP DATE:	11-11-10					
8270 Second Source (SS) 50ug/mL						UF
						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

UF 11/11/10

PREP DATE:	11-11-10												
8270 SIM STANDARD CURVE										UF			
						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	146582-26313	03/04/10	03-04-11	0	0	0	0	5	5	25	50
	5.0ug/mL	5		11/11/10		0	0	10	20	0	0	0	0
	1.0ug/mL	1		11/11/10		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	11/11/10	11-11-11	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47080			90	80	90	80	190	90	50	0
					Final Vol.	100	100	1[illegible]0	100	200	100	100	100

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VF 11/11/10

PREP DATE:	11-11-10						
SIM 8270 Second Source (5µg/mL)							
Exp:	11-25-10						
				Conc.	Date	**CODE:**	
Supplier	ID #		Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)		145112-24097	200	03/04/10	03-04-11	5
	MeCl2			Lot#47080			195
					Final Volume		200

VF

VF 11/17/10

PREP DATE:	11-17-10															
8270T STANDARD CURVE																
Exp:	12-17-10					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		10/07/10	04-09-11	0	0	0	5	5	10	20	25	30	40	50
	5.0ug/mL			11/17/10		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			11/17/10		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	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 11/17/10

PREP DATE:	11-17-10					
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

VF 12/17/10

Part #: 10001 Laboratory Use Only - See MSDS
Lot #: 032009 Exp: 032012 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/mL in methylene ch
ABSOLUTE STANDARDS, INC.

CLP Semi-Volatiles Base/Neutrals Mix #1
Lot #: 032009 - 27431
Rec: 10/7/10 MFR exp. 3/20/201

BH VF

VF 12/17/10

Part #: 10001 Laboratory Use Only - See MSDS
Lot #: 032009 Exp: 032012 Storage 0 °C
CLP Semi-Volatiles Base/Neutrals Mix #1
14 components
2000 ug/ml
ABSOLUTE ST

CLP Semi-Volatiles Base/Neutrals Mix #1
Lot #: 032009 - 27430
Rec: 10/7/10 MFR exp. 3/20/201

mL -1131

BH VF

VF 12/17/10

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 methylene chl
ABSOLUTE STANDARDS, INC

CLP Semi-Volatiles Base/Neutrals Mix #2
Lot #: 073109 - 27436
Rec: 10/7/10 MFR exp. 7/31/201

BH VF

VF 12/17/10

Part #: 10002 Laboratory Use Only - See MSDS
Lot #: 073109 Exp: 073112 Storage 4 °C
CLP Semi-Volatiles Base/Neutrals Mix #2
14
20
ABSOL

CLP Semi-Volatiles Base/Neutrals Mix #2
Lot #: 073109 - 27435
Rec: 10/7/10 MFR exp. 7/31/201

1 mL
800-368-1131

BH VF

LF 12/17/10

Part #: 10004
Lot #: 101509
Laboratory Use Only - See MSDS
Exp: 101514 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in methylene chlori
ABSOLUTE STANDARDS, INC.

LF

CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 27440
Rec: 10/7/10 MFR exp. 10/15/20
BH

LF 12/17/10

Part #: 10004
Lot #: 101509
Laboratory Use Only - See MSDS
Exp: 101514 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #1
4 components
2000 ug/mL in methylene chlori
ABSOLUTE STANDARDS, INC.

LF

CLP Semi-Volatiles Toxic Substances #1
Lot #: 101509 - 27441
Rec: 10/7/10 MFR exp. 10/15/20
BH

LF 12/17/10

Part #: 10005
Lot #: 121208
Laboratory Use Only - See MSDS
Exp: 121213 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #2
8 components
2000 ug/mL in methylene chl
ABSOLUTE STANDARDS, INC

LF

CLP Semi-Volatiles Toxic Substances #2
Lot #: 121208 - 27445
Rec: 10/7/10 MFR exp 12/12/20
BH

LF 12/17/10

Part #: 10005
Lot #: 121208
Laboratory Use Only - See MSDS
Exp: 121213 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #2
8 components
2000 ug/mL in methylene chlo
ABSOLUTE STANDARDS, INC.

LF

CLP Semi-Volatiles Toxic Substances #2
Lot #: 121208 - 27446
Rec: 10/7/10 MFR exp. 12/12/20
BH

LF 12/17/10

Part #: 10006
Lot #: 072010
Laboratory Use Only - See MSDS
Exp: 072013 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in methanol
ABSOLUTE STANDARDS,

LF

CLP Semi-Volatiles - Benzidines
Lot #: 072010 - 27450
Rec: 10/7/10 MFR exp 7/20/201
BH

LF 12/17/10

Part #: 10006
Lot #: 072010
Laboratory Use Only - See MSDS
Exp: 072013 Storage 4 °C
CLP Semi-Volatiles - Benzidines
2 components
2000 ug/mL in methanol
ABSOLUTE STANDARDS, INC.

LF

CLP Semi-Volatiles - Benzidines
Lot #: 072010 - 27451
Rec: 10/7/10 MFR exp. 7/20/201
BH

LF 12/17/10

Part #: 10007
Lot #: 100909
Laboratory Use Only - See MSDS
Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 components
2000 ug/mL in m
ABSOLUTE STAND

CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 28011
Rec: 12/16/10 MFR exp. 10/09/14

LF

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UF 12/17/10

Part #: 10007
Lot #: 100909
Laboratory Use Only - See MSDS
Exp: 100914 Storage 4 °C
CLP Semi-Volatiles - PAH Standard
17 components
2000 ug/mL in me
ABSOLUTE STANDA
CLP Semi-Volatiles - PAH Mix
Lot #: 100909 - 28012
Rec: 12/16/10 MFR exp. 10/09/14

UF

UF 12/17/10

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 components - Phenols
2000 ug/mL in methylene ch
ABSOLUTE STANDARDS, INC
CLP Semi-Volatiles Mix #8 - Phenols
Lot #: 073109 - 27459
Rec: 10/7/10 MFR exp 7/31/201
BH

UF

UF 12/17/10

Part #: 10018
Lot #: 073109
Laboratory Use Only - See MSDS
Exp: 073114 Storage 4 °C
EPA Method 8270A - Analytes Mix #8
13 c
200
ABSOLU
CLP Semi-Volatiles Mix #8 - Phenols
Lot #: 073109 - 27458
Rec: 10/7/10 MFR exp 7/31/201
BH
1 mL
)0-368-1131

UF

UF 12/17/10

Part #: 70023
Lot #: 080310
Laboratory Use Only - See MSDS
Exp: 080315 Storage 4 °C
Atrazine
1000 ug/mL in acetone
ABSOLUTE STANDARDS
Atrazine
Lot #: 080310 - 27464
Rec: 10/7/10 MFR exp. 8/3/2015
BH

UF

UF 12/17/10

Part #: 70023
Lot #: 080310
Laboratory Use Only - See MSDS
Exp: 080315 Storage 4 °C
Atrazine
1000 ug/mL in acetone
ABSOLUTE STANDARDS
Atrazine
Lot #: 080310 - 27463
Rec: 10/7/10 MFR exp. 8/3/2015
BH

UF

UF 12/17/10

Part #: 82705
Lot #: 090310
Laboratory Use Only - See MSDS
Exp: 090313 Storage 4 °C
- Mix #11
EPA Method 8270A - Mix #18
Lot #: 090310 - 27469
Rec: 10/7/10 MFR exp. 9/3/2013
BH
1 mL
ABSOLUTE STAN
800-368-1131

UF

UF 12/17/10

Part #: 82705
Lot #: 090310
Laboratory Use Only - See MSDS
Exp: 090313 Storage 4 °C
EPA Method 8270A - Mix #11
4 components
2000 ug/mL in acetone
ABSOLUTE STANDARDS
EPA Method 8270A - Mix #18
Lot #: 090310 - 27468
Rec: 10/7/10 MFR exp. 9/3/2013
BH

UF

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UF 12/17/10

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-
11 cc
Varie
ABSOLUTE STAND...
) 368-1131

Semi-Volatile Standard
Lot #: 052908 - 27473
Rec: 10/7/10 MFR exp. 5/29/201

BH

UF

UF 12/17/10

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-Volatile Standard
11 components
Varied ug/mL in methylene
ABSOLUTE STANDARDS, INC

UF

Semi-Volatile Standard
Lot #: 052908 - 27474
Rec: 10/7/10 MFR exp 5/29/201

BH

UF 12/17/10

PREP DATE:	12-17-10					
8270C Stock/Spike Standard						UF
Exp:	05-29-11					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-27431	12/17/10	03-20-12	1000
Absolute	10001	2000	032009-27430	12/17/10	03-20-12	1000
Absolute	10002	2000	073109-27436	12/17/10	07-31-12	1000
Absolute	10002	2000	073109-27435	12/17/10	07-31-12	1000
Absolute	10004	2000	101509-27440	12/17/10	10-15-14	1000
Absolute	10004	2000	101509-27441	12/17/10	10-15-14	1000
Absolute	10005	2000	121208-27445	12/17/10	12-12-13	1000
Absolute	10005	2000	121508-27446	12/17/10	12-12-13	1000
Absolute	10006	2000	072010-27450	12/17/10	07-20-13	1000
Absolute	10006	2000	072010-27451	12/17/10	07-20-13	1000
Absolute	10007	2000	100909-28011	12/17/10	10-09-14	1000
Absolute	10007	2000	100909-28012	12/17/10	10-09-14	1000
Absolute	10018	2000	073109-27459	12/17/10	07-31-14	1000
Absolute	10018	2000	073109-27458	12/17/10	07-31-14	1000
Absolute	70023	1000	080310-27464	12/17/10	08-03-15	1000
Absolute	70023	1000	080310-27463	12/17/10	08-03-15	1000
Absolute	82705	2000	090310-27469	12/17/10	09-03-13	1000
Absolute	82705	2000	090310-27468	12/17/10	09-03-13	1000
Absolute	94552	2000	082908-27473	12/17/10	05-29-11	1000
Absolute	94552	2000	052908-27474	12/17/10	05-29-11	1000
					Final Vol	20000

UF 12/23/10

PREP DATE:	12-23-10									UF			
8270T STANDARD CURVE													
Exp:	01-22-11					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		12/17/10	05-29-11	5	5	10	20	25	30	40	50
	5.0ug/mL			12/23/10		0	0	0	0	0	0	0	0
	1.0ug/mL			12/23/10		0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	11/11/10	11-11-11	5	5	10	20	25	30	40	50
EM Science	Methylene Chloride		47080			190	90	80	60	50	40	20	0
					Final Vol.	200	100	100	100	100	100	100	100

UF 12/23/10

PREP DATE:	12-23-10					
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

VF 1/4/11

PREP DATE:	01-04-11															
8270T STANDARD CURVE								VF								
Exp:	02-03-11					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			01/04/11		0	0	20	0	0	0	0	0	0	0	0
	1.0ug/mL			01/04/11		10	20	0	0	0	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	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 1/4/11

PREP DATE:	01-04-11					
8270 Second Source (SS) 50ug/mL						VF
						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 1/7/11

PREP DATE:	01-07-11												
8270 SIM STANDARD CURVE										VF			
						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	146582-26313	03/04/10	03-04-11	0	0	0	0	5	5	25	50
	5.0ug/mL	5		01/07/11		0	0	10	20	0	0	0	0
	1.0ug/mL	1		01/07/11		10	20	0	0	0	0	0	0
	Surrogate Stock	VAR	160538-27570	11/11/10	11-11-11	0	0	0	0	5	5	25	50
EM Science	Methylene Chloride		47080			90	80	90	80	190	90	50	0
					Final Vol.	100	100	100	100	200	100	100	100

VF 1/7/11

PREP DATE:	01-07-11					
SIM 8270 Second Source (5µg/mL)						VF
Exp:	01-21-11					
			Conc.	Date	CODE:	
Supplier	ID #	Lot #	µg/mL	Code	Exp.Date	µL
	8270D PAH SIM (SS)	145112-24097	200	03/04/10	03-04-11	5
	MeCl2		Lot#47080			195
				Final Volume		200

VF 1/15/11

Part #: 90577 Laboratory Use Only-See MSDS
Lot #: 113007 Exp: 113012 1 mL
1,4-Dioxane
20 mg/mL in
ABSOLUTE STANDA

1,4-Dioxane
Lot #: 113007 - 22852
Rec: 9/10/08 MFR exp. 11/30/12

VF

_SEP004S

Organic Extraction Worksheet

Method	SIM Separatory Funnel Extra 3510C	Extraction Set	110126A	Extraction Method	SEP004S	Units	mL

Spiked ID 1	SIM Spike 166254-27801		Surrogate ID 1	8270 Surrogate 164547-27569	
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:	YES	
Spiked ID 7			Ext. Start Time:		
Spiked ID 8			Ext. End Time:		

GC Requires Extract By:		01/28/11 0:00		
pH1	2	01/26/11 3:30:00 PM	W Bath Temp	80 °C
pH2	14	01/26/11 4:30:00 PM		
pH3				

Spiked By: KY **Date** 01/26/11 **Witnessed By:** CC **Date** 01/26/11

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	110126A Blk				0.025	1	1000	1	2/14	01/26/11 15:25	
2	110126A LCS-1		0.025	1	0.025	1	1000	1	2/14	01/26/11 15:25	
3	AY30383	AY30383W15			0.025	1	1050	1	2/14	01/26/11 15:25	63689-2 WEEK RUSH -- Amber Liter
4	AY30384	AY30384W16			0.025	1	1050	1	2/14	01/26/11 15:25	63689-2 WEEK RUSH -- Amber Liter
5	AY30386	AY30386W18			0.025	1	1050	1	2/14	01/26/11 15:25	63689-2 WEEK RUSH -- Amber Liter
6	AY30387	AY30387W07			0.025	1	1050	1	2/14	01/26/11 15:25	63689-2 WEEK RUSH -- Amber Liter
7	AY30568	AY30568W02			0.025	1	1050	1	2/14	01/26/11 15:25	63711-1 WEEK RUSH -- Amber Liter
8	AY30575	AY30575W05			0.025	1	1000	1	2/14	01/26/11 15:25	63706-2 WEEK RUSH -- Amber Liter
9	AY30576	AY30576W05			0.025	1	950	1	2/14	01/26/11 15:25	63706-2 WEEK RUSH -- Amber Liter
10	AY30577	AY30577W07			0.025	1	980	1	2/14	01/26/11 15:25	63706-2 WEEK RUSH -- Amber Liter
11	AY30578 MS-1	AY30578W18	0.025	1	0.025	1	1000	1	2/14	01/26/11 15:25	63706-2 WEEK RUSH -- Amber Liter
12	AY30578 MSD-1	AY30578W11	0.025	1	0.025	1	1000	1	2/14	01/26/11 15:25	63706-2 WEEK RUSH -- Amber Liter
13	AY30578	AY30578W19			0.025	1	1000	1	2/14	01/26/11 15:25	63706-2 WEEK RUSH -- Amber Liter
14	AY30579	AY30579W05			0.025	1	1010	1	2/14	01/26/11 15:25	63706-2 WEEK RUSH -- Amber Liter
15	AY30586	AY30586W09			0.025	1	1050	1	2/14	01/26/11 15:25	63705-2 WEEK RUSH -- Amber Liter

HM 1/27/11

Solvent and Lot#	
MC	VWR 110510F
Na2SO4	1750C276
10N NaOH	12/10/10
1+1 Acid	12/16/10
A. Na2SO4	12/29/10

Extraction COC Transfer	
Extraction lab employee Initials	HM
GC analyst's initials	lf
Date	1/31/11
Time	8:00
Refrigerator	[illegible]

	Technician's Initials
Scanned By	SH
Sample Preparation	CC
Extraction	CC
Concentration	CC

Modified	01/26/11 8:39:24 AM

Reviewed By: HM **Date** 01/27/11

Injection Log

Directory: M:\LINUS\DATA\L110107\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0107L001.D	1	SVTUNE 04-12-10		7 Jan 11 14:22
2	2	0107L002.D	1	0.1ug/ml PAH 01-07-11		7 Jan 11 14:40
3	3	0107L003.D	1	0.2ug/ml PAH		7 Jan 11 15:05
4	4	0107L004.D	1	0.5ug/ml PAH		7 Jan 11 15:31
5	5	0107L005.D	1	1.0ug/ml PAH		7 Jan 11 15:56
6	6	0107L006.D	1	5.0ug/ml PAH		7 Jan 11 16:21
7	7	0107L007.D	1	10ug/ml PAH		7 Jan 11 16:46
8	8	0107L008.D	1	50ug/ml PAH		7 Jan 11 17:11
9	9	0107L009.D	1	100ug/ml PAH		7 Jan 11 17:37
10	10	0107L010.D	1	5.0ug/ml PAH SS 01-07-11		7 Jan 11 18:02
11	1	0131L001.D	1	SVTUNE 04-12-10		31 Jan 11 9:55
12	2	0131L002.D	1	5.0ug/ml PAH 01-07-11		31 Jan 11 10:13
13	3	0131L003.D	1	110126A BLK 1/1000		31 Jan 11 10:38
14	4	0131L004.D	1	110126A LCS-1 1/1000		31 Jan 11 11:04
15	10	0131L010.D	1	AY30575W05 1/1000		31 Jan 11 13:35
16	11	0131L011.D	1.05263	AY30576W05 1/950		31 Jan 11 14:01
17	12	0131L012.D	1.02041	AY30577W07 1/980		31 Jan 11 14:26
18	13	0131L013.D	1	AY30578W18 MS-1 1/1000		31 Jan 11 14:51
19	14	0131L014.D	1	AY30578W11 MSD-1 1/1000		31 Jan 11 15:16
20	15	0131L015.D	1	AY30578W19 1/1000		31 Jan 11 15:42
21	16	0131L016.D	0.9901	AY30579W05 1/1010		31 Jan 11 16:07

EPA METHOD 8260B
Volatile Organic Compounds

APPL, INC.

EPA METHOD 8260B
Volatile Organic Compounds
QC Summary

Method Blank

EPA 8260B VOCs + Gas Water

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **110126W-30578 - 151943**
Batch ID: #86RHB-110126AS

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	1/27/11	1/27/11
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
BLANK	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
BLANK	1,2-DICHLOROBENZENE	0.54 J	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
BLANK	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
BLANK	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
BLANK	1,4-DICHLOROBENZENE	0.58 J	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
BLANK	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
BLANK	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11

J = Estimated value.

Quant Method: S86DODW.M
Run #: 0126S40
Instrument: Sweetpea
Sequence: S110126
Initials: DG

GC SC-Blank-REG MDLs
Printed: 2/24/11 1:02:00 PM

Method Blank
EPA 8260B VOCs + Gas Water

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **110126W-30578 - 151943**
Batch ID: #86RHB-110126AS

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.47 J	5.0	0.70	0.35	ug/L	1/27/11	1/27/11
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	1/27/11	1/27/11
BLANK	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	SURROGATE: 1,2-DICHLOROET	117	70-120			%	1/27/11	1/27/11
BLANK	SURROGATE: 4-BROMOFLUOR	109	75-120			%	1/27/11	1/27/11
BLANK	SURROGATE: DIBROMOFLUOR	106	85-115			%	1/27/11	1/27/11
BLANK	SURROGATE: TOLUENE-D8 (S)	104	85-120			%	1/27/11	1/27/11

J = Estimated value.

Quant Method: S86DODW.M
Run #: 0126S40
Instrument: Sweetpea
Sequence: S110126
Initials: DG

GC SC-Blank-REG MDLs
Printed: 2/24/11 1:02:01 PM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. | SDG No: 63706

Case No: 63706 | Date Analyzed: 1/27/11

Matrix: WATER | Instrument: Sweetpea

APPL ID.	Client Sample No.	SURROGATE: 1,2-DICHLOROETHANE-D4 (S)	SURROGATE: 4-BROMOFLUOROBENZENE (S)
110126AS-LCS	Lab Control Spike	120	106
110126AS-BLK	Blank	117	109
AY30580	TRIP BLANK	111	103
AY30575	ES015	111	109
AY30576	ES014	112	106
AY30577	ES016	111	107
AY30578	ES017	101	104
AY30579	ES018	108	100
AY30578-MS	Matrix Spike	114	108
AY30578-MSD	Matrix SpikeD	112	107

Comments: Batch: #86RHB-110126AS

Printed: 2/24/11 1:02:07 PM
Form 2 & 8, Surrogate Recovery Summary

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 63706

Case No: 63706 Date Analyzed: 1/27/11

Matrix: WATER Instrument: Sweetpea

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)	SURROGATE: TOLUENE-D8 (S)
110126AS-LCS	Lab Control Spike	108	102
110126AS-BLK	Blank	106	104
AY30580	TRIP BLANK	102	100
AY30575	ES015	104	106
AY30576	ES014	99.8	103
AY30577	ES016	103	107
AY30578	ES017	97.0	104
AY30579	ES018	101	102
AY30578-MS	Matrix Spike	105	106
AY30578-MSD	Matrix SpikeD	107	102

Comments: Batch: #86RHB-110126AS

Printed: 2/24/11 1:02:07 PM
Form 2 & 8, Surrogate Recovery Summary

Laboratory Control Spike Recovery
EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 LCS - 151943**
Batch ID: #86RHB-110126AS

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	10.3	103	80-130
1,1,1-TRICHLOROETHANE	10.00	11.2	112	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	10.2	102	65-130
1,1,2-TRICHLOROETHANE	10.00	11.0	110	75-125
1,1-DICHLOROETHANE	10.00	10.8	108	70-135
1,1-DICHLOROETHENE	10.00	10.9	109	70-130
1,2,3-TRICHLOROPROPANE	10.00	9.43	94.3	75-125
1,2,4-TRICHLOROBENZENE	10.00	10.9	109	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	10.3	103	50-130
1,2-DIBROMOETHANE	10.00	9.40	94.0	70-130
1,2-DICHLOROBENZENE	10.00	11.0	110	70-120
1,2-DICHLOROETHANE	10.00	10.6	106	70-130
1,2-DICHLOROPROPANE	10.00	10.8	108	75-125
1,3-DICHLOROBENZENE	10.00	10.8	108	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	19.7	98.5	70-130
1,4-DICHLOROBENZENE	10.00	10.4	104	75-125
2-BUTANONE	10.00	8.57	85.7	30-150
4-METHYL-2-PENTANONE	10.00	9.93	99.3	60-135
ACETONE	10.00	8.61	86.1	40-140
BENZENE	10.00	10.7	107	80-120
BROMODICHLOROMETHANE	10.00	9.98	99.8	75-120
BROMOFORM	10.00	8.63	86.3	70-130
BROMOMETHANE	10.00	11.0	110	30-145
CARBON TETRACHLORIDE	10.00	11.5	115	65-140
CHLOROBENZENE	10.00	10.6	106	80-120
CHLORODIBROMOMETHANE	10.00	10.1	101	60-135

Comments: ______________________________

Primary	SPK
Quant Method :	S86DODW.M
Extraction Date :	1/27/11
Analysis Date :	1/27/11
Instrument :	Sweetpea
Run :	0126S38
Initials :	DG

Printed: 2/24/11 1:02:12 PM

APPL Standard LCS

Laboratory Control Spike Recovery
EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 LCS - 151943**
Batch ID: #86RHB-110126AS

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	11.4	114	60-135
CHLOROFORM	10.00	9.35	93.5	65-135
CHLOROMETHANE	10.00	9.84	98.4	40-125
CIS-1,2-DICHLOROETHENE	10.00	9.76	97.6	70-125
ETHYLBENZENE	10.00	10.7	107	75-125
GASOLINE	600	652	109	75-125
HEXACHLOROBUTADIENE	10.00	10.8	108	50-140
METHYL TERT-BUTYL ETHER	10.00	9.46	94.6	65-125
METHYLENE CHLORIDE	10.00	12.6	126	55-140
STYRENE	10.00	10.6	106	65-135
TETRACHLOROETHENE	10.00	10.1	101	45-150
TOLUENE	10.00	10.4	104	75-120
TRANS-1,2-DICHLOROETHENE	10.00	10.8	108	60-140
TRICHLOROETHENE	10.00	11.1	111	70-125
VINYL CHLORIDE	10.00	10.6	106	50-145
XYLENES (TOTAL)	30.0	31.6	105	80-120
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	25.9	120	70-120
SURROGATE: 4-BROMOFLUOROBENZ	25.5	26.9	106	75-120
SURROGATE: DIBROMOFLUOROMETH	22.9	24.6	108	85-115
SURROGATE: TOLUENE-D8 (S)	25.1	25.6	102	85-120

Comments:

Primary	SPK
Quant Method :	S86DODW.M
Extraction Date :	1/27/11
Analysis Date :	1/27/11
Instrument :	Sweetpea
Run :	0126S38
Initials :	DG

Printed: 2/24/11 1:02:12 PM

APPL Standard LCS

Matrix Spike Recoveries
EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 MS - 151943**
Batch ID: #86RHB-110126AS
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1,1,1,2-TETRACHLOROETHANE	10.00	ND	11.4	11.2	114	112	80-130	1.8	30
1,1,1-TRICHLOROETHANE	10.00	ND	11.6	11.7	116	117	65-130	0.86	30
1,1,2,2-TETRACHLOROETHANE	10.00	ND	0.724	0.763	7.2 #	7.6 #	65-130	5.2	30
1,1,2-TRICHLOROETHANE	10.00	ND	10.7	10.8	107	108	75-125	0.93	30
1,1-DICHLOROETHANE	10.00	ND	12.0	12.1	120	121	70-135	0.83	30
1,1-DICHLOROETHENE	10.00	ND	12.9	12.9	129	129	70-130	0.0	30
1,2,3-TRICHLOROPROPANE	10.00	ND	9.29	9.29	92.9	92.9	75-125	0.0	30
1,2,4-TRICHLOROBENZENE	10.00	ND	7.34	9.62	73.4	96.2	65-135	26.9	30
1,2-DIBROMO-3-CHLOROPROPANE	10.00	ND	9.83	9.69	98.3	96.9	50-130	1.4	30
1,2-DIBROMOETHANE	10.00	ND	10.1	10.9	101	109	70-130	7.6	30
1,2-DICHLOROBENZENE	10.00	ND	8.92	10.5	89.2	105	70-120	16.3	30
1,2-DICHLOROETHANE	10.00	ND	11.2	11.8	112	118	70-130	5.2	30
1,2-DICHLOROPROPANE	10.00	ND	10.3	11.5	103	115	75-125	11.0	30
1,3-DICHLOROBENZENE	10.00	ND	8.81	10.3	88.1	103	75-125	15.6	30
1,3-DICHLOROPROPENE, TOTAL	20.0	ND	17.3	17.6	86.5	88.0	70-130	1.7	30
1,4-DICHLOROBENZENE	10.00	ND	9.14	10.8	91.4	108	75-125	16.6	30
2-BUTANONE	10.00	ND	8.79	11.0	87.9	110	30-150	22.3	30
4-METHYL-2-PENTANONE	10.00	ND	9.65	10.8	96.5	108	60-135	11.2	30
ACETONE	25.0	ND	19.8	25.1	79.2	100	40-140	23.6	30
BENZENE	10.00	0.54	12.9	12.4	124 #	119	80-120	4.0	30
BROMODICHLOROMETHANE	10.00	ND	10.9	10.6	109	106	75-120	2.8	30
BROMOFORM	10.00	ND	9.52	9.88	95.2	98.8	70-130	3.7	30
BROMOMETHANE	25.0	ND	26.7	26.2	107	105	30-145	1.9	30
CARBON TETRACHLORIDE	10.00	ND	11.8	12.1	118	121	65-140	2.5	30
CHLOROBENZENE	10.00	ND	11.1	11.2	111	112	80-120	0.90	30

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	S86DODW.M	S86DODW.M
Extraction Date :	1/27/11	1/27/11
Analysis Date :	1/27/11	1/27/11
Instrument :	Sweetpea	Sweetpea
Run :	0126S47	0126S48
Initials :	DG	

Printed: 2/24/11 1:02:17 PM
APPL MSD SCII

Matrix Spike Recoveries
EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 MS - 151943**
Batch ID: #86RHB-110126AS
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
CHLORODIBROMOMETHANE	10.00	ND	10.4	11.3	104	113	60-135	8.3	30
CHLOROETHANE	25.0	ND	26.0	29.0	104	116	60-135	10.9	30
CHLOROFORM	10.00	ND	9.66	9.68	96.6	96.8	65-135	0.21	30
CHLOROMETHANE	25.0	ND	27.4	27.0	110	108	40-125	1.5	30
CIS-1,2-DICHLOROETHENE	10.00	ND	11.9	11.6	119	116	70-125	2.6	30
ETHYLBENZENE	10.00	ND	11.4	11.5	114	115	75-125	0.87	30
GASOLINE	300	ND	308	485	103	162 #	75-125	44.6 #	30
HEXACHLOROBUTADIENE	10.00	ND	7.04	8.35	70.4	83.5	50-140	17.0	30
METHYL TERT-BUTYL ETHER	10.00	ND	9.94	9.88	99.4	98.8	65-125	0.61	30
METHYLENE CHLORIDE	10.00	ND	11.3	11.8	113	118	55-140	4.3	30
STYRENE	10.00	ND	10.6	11.1	106	111	65-135	4.6	30
TETRACHLOROETHENE	10.00	ND	11.2	11.3	112	113	45-150	0.89	30
TOLUENE	10.00	ND	11.5	12.0	115	120	75-120	4.3	30
TRANS-1,2-DICHLOROETHENE	10.00	ND	12.0	13.3	120	133	60-140	10.3	30
TRICHLOROETHENE	10.00	ND	21.5	21.1	215 #	211 #	70-125	1.9	30
VINYL CHLORIDE	25.0	ND	23.7	22.8	94.8	91.2	50-145	3.9	30
XYLENES (TOTAL)	30.0	ND	33.4	33.6	111	112	80-120	0.60	30
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	NA	24.6	24.2	114	112	70-120		
SURROGATE: 4-BROMOFLUOROBENZE	25.5	NA	27.5	27.2	108	107	75-120		
SURROGATE: DIBROMOFLUOROMETH	22.9	NA	24.1	24.4	105	107	85-115		
SURROGATE: TOLUENE-D8 (S)	25.1	NA	26.6	25.5	106	102	85-120		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	S86DODW.M	S86DODW.M
Extraction Date :	1/27/11	1/27/11
Analysis Date :	1/27/11	1/27/11
Instrument :	Sweetpea	Sweetpea
Run :	0126S47	0126S48
Initials :	DG	

Printed: 2/24/11 1:02:17 PM
APPL MSD SCII

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc.
Case No: 63706
Matrix: WATER
Blank ID: 110126AS-BLK

SDG No: 63706
Date Analyzed: 1/27/11
Instrument: Sweetpea
Time Analyzed: 1216

APPL ID.	Client Sample No.	File ID.	Date Analyzed
110126AS-LCS	Lab Control Spike	0126S38	1/27/11 1104
110126AS-BLK	Blank	0126S40	1/27/11 1216
AY30580	TRIP BLANK	0126S41	1/27/11 1251
AY30575	ES015	0126S42	1/27/11 1327
AY30576	ES014	0126S43	1/27/11 1403
AY30577	ES016	0126S44	1/27/11 1439
AY30578	ES017	0126S45	1/27/11 1515
AY30579	ES018	0126S46	1/27/11 1551
110126AS-MS	Matrix Spike	0126S47	1/27/11 1627
110126AS-MSD	Matrix SpikeD	0126S48	1/27/11 1703

Comments: Batch: #86RHB-110126AS

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 63706
Matrix: Water
ID: 20uL/mL BFB Std 12-27-10B

SDG No: 63706
Date Analyzed: 1/27/11
Instrument: Sweetpea
Time Analyzed: 8:39

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Lab Control Spike	110126A LCS-1WS(SS)	0126S38W.D	1/27/11 11:04
2	Blank	110126A BLK-1WS	0126S40W.D	1/27/11 12:16
3	TRIP BLANK	AY30580W01	0126S41W.D	1/27/11 12:51
4	ES015	AY30575W01	0126S42W.D	1/27/11 13:27
5	ES014	AY30576W01	0126S43W.D	1/27/11 14:03
6	ES016	AY30577W01	0126S44W.D	1/27/11 14:39
7	ES017	AY30578W01	0126S45W.D	1/27/11 15:15
8	ES018	AY30579W01	0126S46W.D	1/27/11 15:51
9	Matrix spike	AY30578W234 MS-1WS	0126S47W.D	1/27/11 16:27
10	Matrix spike dup	AY30578W234 MSD-1WS	0126S48W.D	1/27/11 17:03
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	40.9
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	86.8
175	5 - 9% of mass 174	7.2
176	95 - 101% of mass 174	97.1
177	5 - 9% of mass 176	6.3

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 63706
Matrix: Water
ID: 20uL/mL BFB Std 12-27-10B

SDG No: 63706
Date Analyzed: 1/27/11
Instrument: Sweetpea
Time Analyzed: 8:39

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1	Lab Control Spike	GAS 600ug/L STD LCS-	0126S35W.D	1/27/11 9:15
2	Blank	110126A BLK-1WS	0126S40W.D	1/27/11 12:16
3	TRIP BLANK	AY30580W01	0126S41W.D	1/27/11 12:51
4	ES015	AY30575W01	0126S42W.D	1/27/11 13:27
5	ES014	AY30576W01	0126S43W.D	1/27/11 14:03
6	ES016	AY30577W01	0126S44W.D	1/27/11 14:39
7	ES017	AY30578W01	0126S45W.D	1/27/11 15:15
8	ES018	AY30579W01	0126S46W.D	1/27/11 15:51
9	Matrix spike	AY30578W674 MS-1WS	0126S49W.D	1/27/11 17:39
10	Matrix spike dup	AY30578W674 MSD-1WS	0126S50W.D	1/27/11 18:15
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	40.9
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	86.8
175	5 - 9% of mass 174	7.2
176	95 - 101% of mass 174	97.1
177	5 - 9% of mass 176	6.3

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract: Review

Lab Code: ______ SDG No.: 63706

Lab File ID (Standard): 0126S27W.D Date Analyzed: 01/27/11

Instrument ID: Sweetpea Time Analyzed: 2:39

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	457728		9.78		292288		14.82		121352		18.91	
	UPPER LIMIT	915456		10.28		584576		15.32		242704		19.41	
	LOWER LIMIT	228864		9.28		146144		14.32		60676		18.41	
	SAMPLE NO.												
01	110126A LCS-1WS(SS)	367616		9.78		225600		14.81		99640		18.90	
02	110126A BLK-1WS	372672		9.78		224000		14.81		90216		18.91	
03	AY30580W01	383104		9.78		226688		14.81		89976		18.91	
04	AY30575W01	379136		9.78		222592		14.81		90936		18.91	
05	AY30576W01	383936		9.78		225344		14.81		96000		18.90	
06	AY30577W01	379776		9.78		217984		14.81		94784		18.90	
07	AY30578W01	389760		9.78		222336		14.81		99632		18.90	
08	AY30579W01	392512		9.78		239680		14.81		98328		18.91	
09	AY30578W234 MS-1WS	388864		9.78		231616		14.81		105792		18.90	
10	AY30578W234 MSD-1W	394304		9.78		243200		14.81		107048		18.90	
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													

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.: 63706
Lab File ID (Standard): 0126S08W.D
Date Analyzed: 01/26/11
Instrument ID: Sweetpea
Time Analyzed: 15:17
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	1103080	9.77	981147	14.80	886064	18.89
	UPPER LIMIT	2206160	10.27	1962294	15.30	1772128	19.39
	LOWER LIMIT	551540	9.27	490574	14.30	443032	18.39
	SAMPLE NO.						
01	GAS 600ug/L STD LCS-	752563	9.77	602708	14.82	528360	18.91
02	110126A BLK-1WS	747675	9.78	620802	14.81	498679	18.91
03	AY30580W01	760665	9.78	628133	14.81	514112	18.90
04	AY30575W01	763102	9.78	608410	14.81	494117	18.91
05	AY30576W01	756652	9.78	626881	14.81	505799	18.90
06	AY30577W01	770630	9.78	608464	14.81	517822	18.90
07	AY30578W01	779871	9.78	614386	14.81	518150	18.90
08	AY30579W01	788847	9.78	651608	14.81	528825	18.90
09	AY30578W674 MS-1WS	761631	9.78	645165	14.81	557688	18.90
10	AY30578W674 MSD-1V	794483	9.78	684163	14.81	584429	18.91
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

EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES015
Sample Collection Date: 1/20/11

ARF: 63706
APPL ID: AY30575
QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/27/11	1/27/11

Quant Method: S86DODW.M
Run #: 0126S42
Instrument: Sweetpea
Sequence: S110126
Dilution Factor: 1
Initials: DG

Printed: 2/24/11 1:02:25 PM
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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES015

APPL ID: AY30575

Sample Collection Date: 1/20/11

QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	111	70-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	109	75-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	104	85-115			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	106	85-120			%	1/27/11	1/27/11

Quant Method:	S86DODW.M
Run #:	0126S42
Instrument:	Sweetpea
Sequence:	S110126
Dilution Factor:	1
Initials:	DG

Printed: 2/24/11 1:02:25 PM

APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S42W.D Vial: 42
Acq On : 27 Jan 11 13:27 Operator: GM
Sample : AY30575W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 11:16 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	379136	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	222592	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	90936	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.41	111	179737	23.86077 ppb	0.00
Spiked Amount 22.854			Recovery	= 104.408%	
23) 1,2-DCA-D4(S)	9.19	65	102897	23.98425 ppb	0.00
Spiked Amount 21.589			Recovery	= 111.093%	
36) Toluene-D8(S)	12.37	98	845020	26.68834 ppb	0.00
Spiked Amount 25.102			Recovery	= 106.319%	
44) 4-Bromofluorobenzene(S)	16.86	95	215496	27.86779 ppb	0.00
Spiked Amount 25.458			Recovery	= 109.465%	

Target Compounds Qvalue

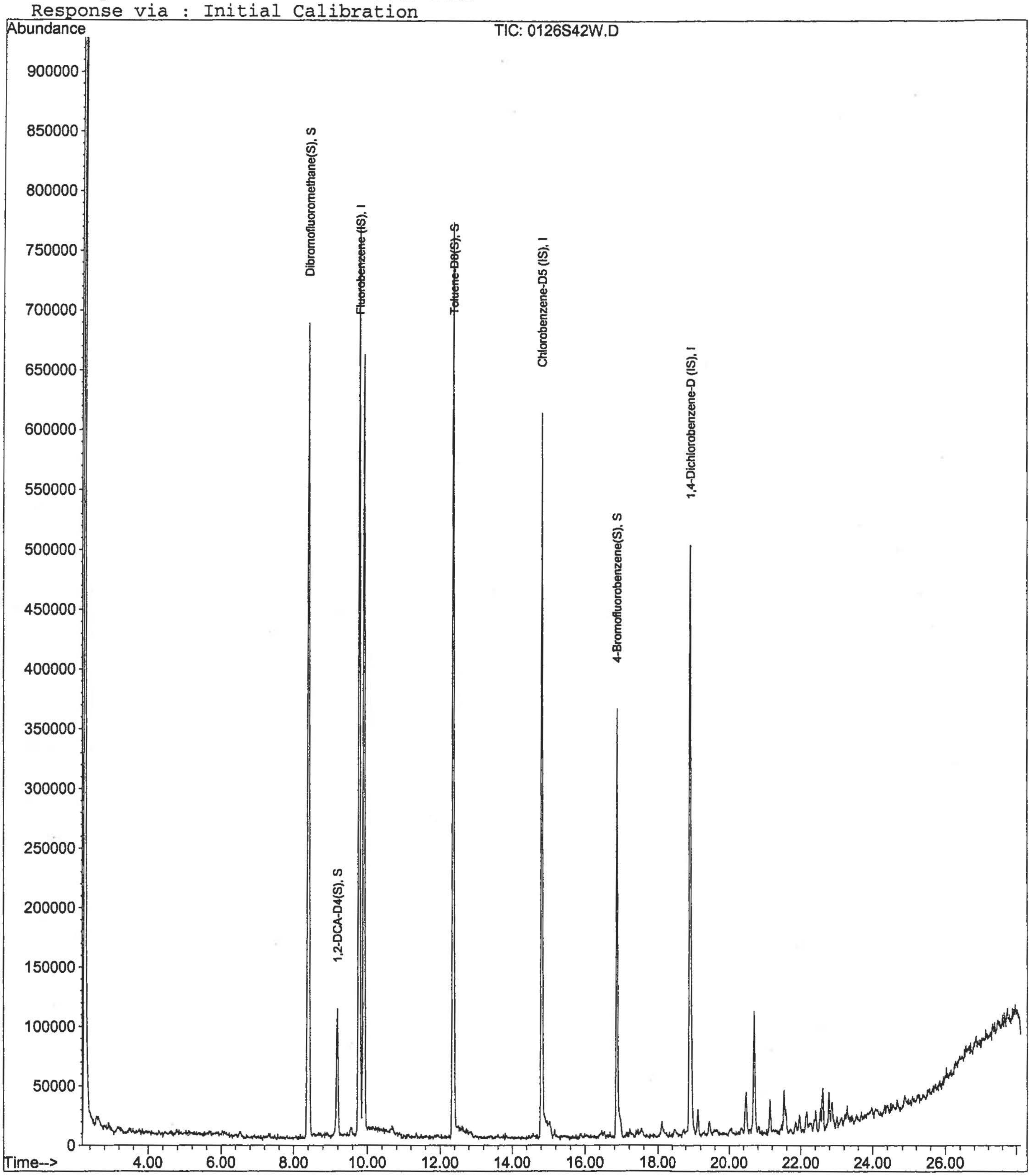
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S42W.D   Vial: 42
Acq On : 27 Jan 11 13:27   Operator: GM
Sample : AY30575W01   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 14 11:16 2011   Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Data File : M:\SWEETPEA\DATA\S110126\0126S42W.D Vial: 42
Acq On : 27 Jan 11 13:27 Operator: GM
Sample : AY30575W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 14:05 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	TIC	763102	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	608410	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.91	TIC	494117	25.00000 ppb	0.02
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2283243	23.94933 ppb	0.00
Spiked Amount 24.523			Recovery =	97.659%	
5) Toluene-D8(S)	12.37	TIC	2266648	28.42647 ppb	0.02
Spiked Amount 23.425			Recovery =	121.348%	
6) 4-Bromofluorobenzene(S)	16.86	TIC	1011162	26.13429 ppb	0.02
Spiked Amount 23.162			Recovery =	112.829%	
Target Compounds					Qvalue
2) Gasoline	12.37	TIC	12852713m	4.74249 ppb	100

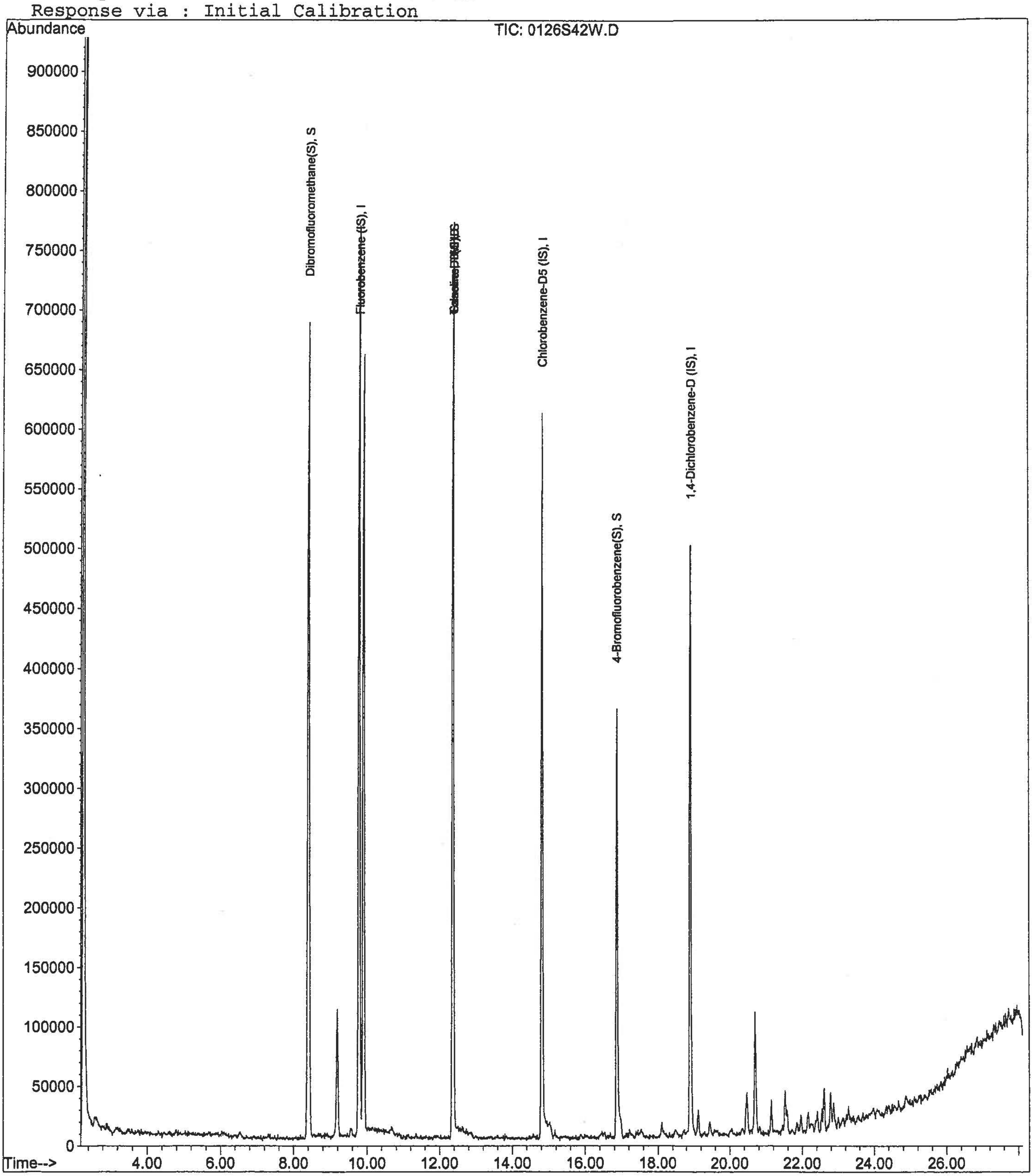
< MDL

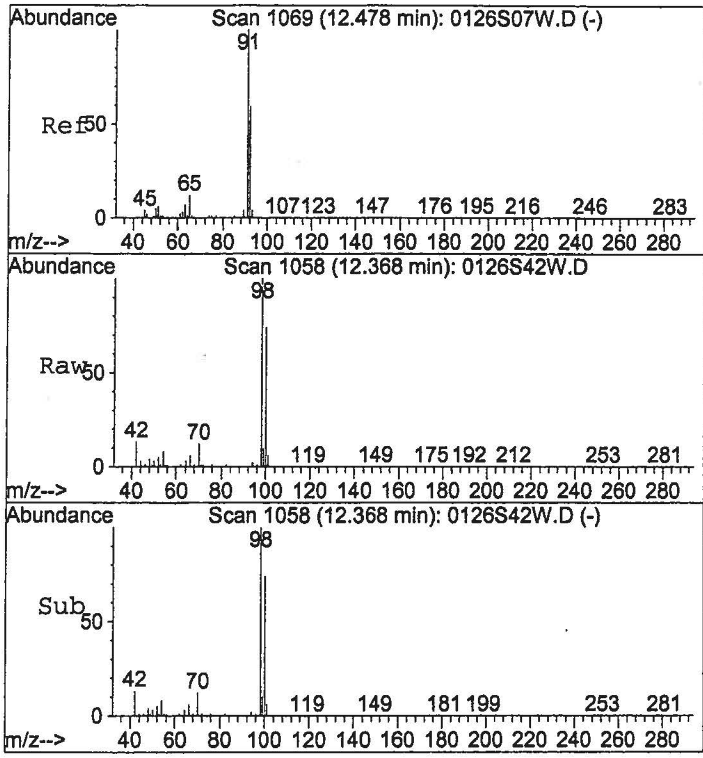
(#) = qualifier out of range (m) = manual integration
0126S42W.D SGAS.M Mon Feb 14 14:06:00 2011 Page 1

```
Data File : M:\SWEETPEA\DATA\S110126\0126S42W.D          Vial: 42
Acq On    : 27 Jan 11  13:27                          Operator: GM
Sample    : AY30575W01                                Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 14 14:05 2011               Quant Results File: SGAS.RES

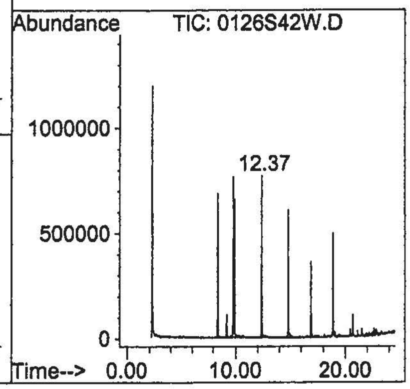
Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Initial Calibration
```





#2
Gasoline
Concen: 4.74249 ppb m
RT: 12.37 min Scan# 1058
Delta R.T. -0.11 min
Lab File: 0126S42W.D
Acq: 27 Jan 11 13:27

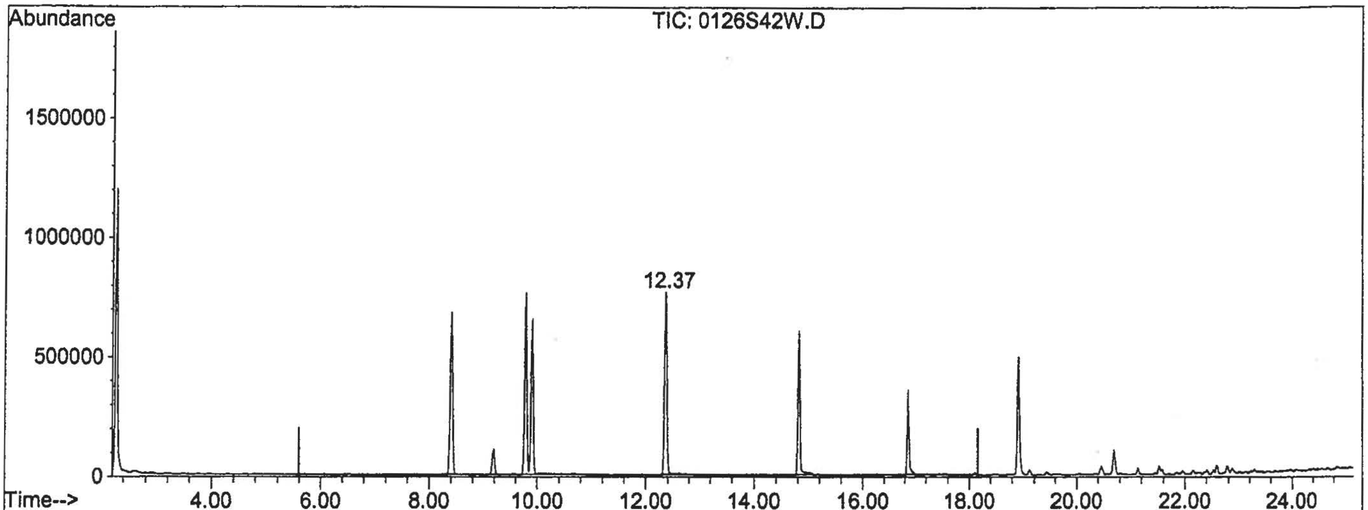
Tgt Ion:TIC Resp:12852713

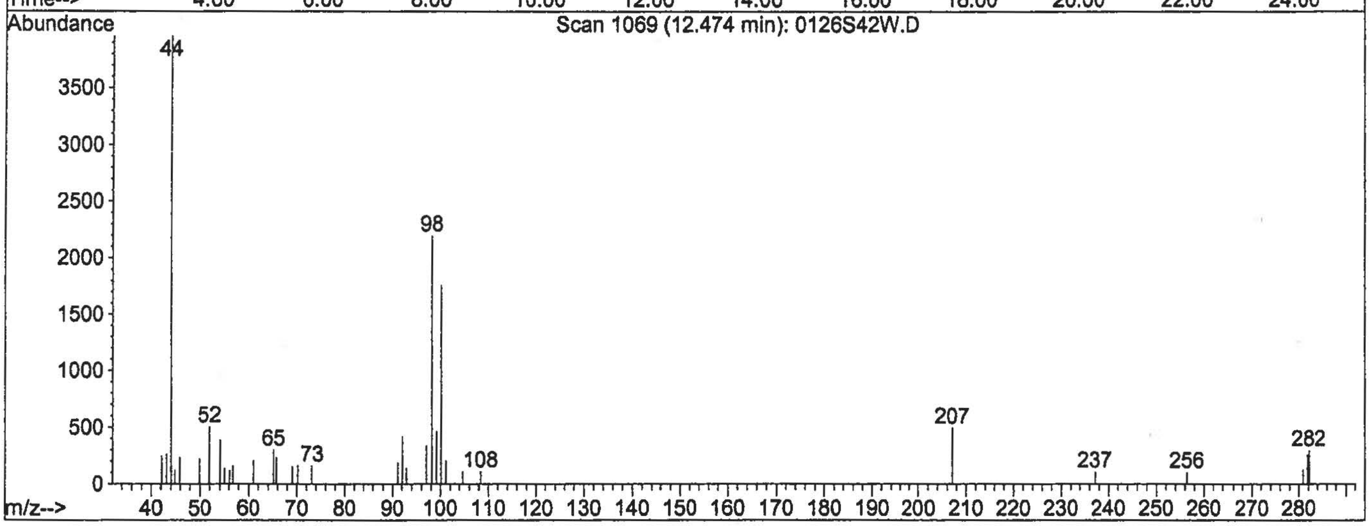


Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S42W.D Vial: 42
Acq On : 27 Jan 11 13:27 Operator: GM
Sample : AY30575W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00
Quant Time: Feb 14 14:05 2011 Quant Results File: temp.res

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Multiple Level Calibration





TIC: 0126S42W.D

(2) Gasoline (TMHB)

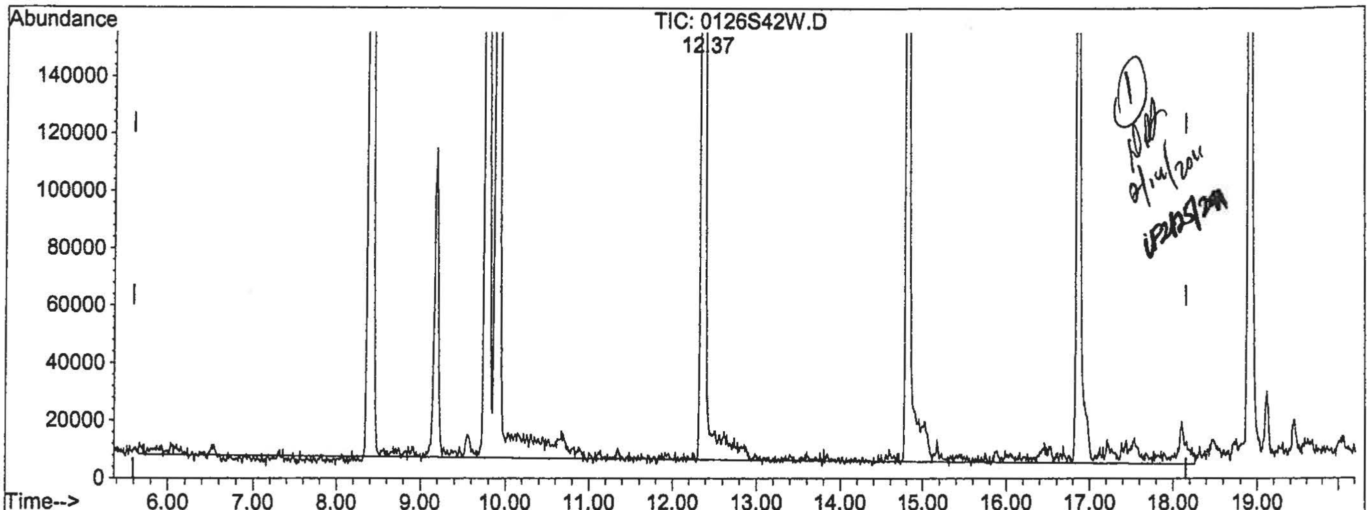
12.48min -97.1111ppb m

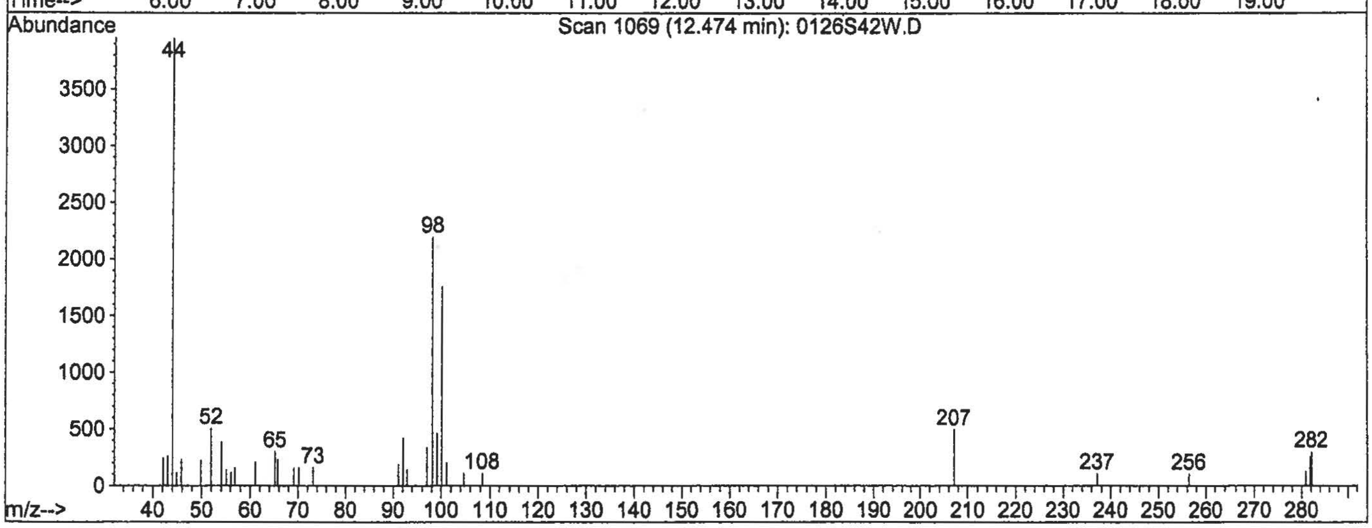
response 5691485

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.88#
0.00	0.00	2.51#
0.00	0.00	0.00

```
Data File : M:\SWEETPEA\DATA\S110126\0126S42W.D          Vial: 42
Acq On    : 27 Jan 11  13:27                         Operator: GM
Sample    : AY30575W01                               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 14 14:05 2011              Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S42W.D

(2) Gasoline (TMHB)

12.37min 4.7425ppb m

response 12852713

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.39#
0.00	0.00	1.11#
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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES014
Sample Collection Date: 1/20/11

ARF: 63706
APPL ID: AY30576
QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/27/11	1/27/11

Quant Method: S86DODW.M
Run #: 0126S43
Instrument: Sweetpea
Sequence: S110126
Dilution Factor: 1
Initials: DG

Printed: 2/24/11 1:02:25 PM
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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES014

APPL ID: AY30576

Sample Collection Date: 1/20/11

QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	112	70-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	106	75-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	99.8	85-115			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	85-120			%	1/27/11	1/27/11

Quant Method:	S86DODW.M
Run #:	0126S43
Instrument:	Sweetpea
Sequence:	S110126
Dilution Factor:	1
Initials:	DG

Printed: 2/24/11 1:02:25 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S43W.D Vial: 43
Acq On : 27 Jan 11 14:03 Operator: GM
Sample : AY30576W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 9 13:45 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	383936	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	225344	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	96000	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.41	111	173908	22.79832 ppb	0.00
Spiked Amount 22.854			Recovery =	99.757%	
23) 1,2-DCA-D4(S)	9.18	65	105125	24.19723 ppb	0.00
Spiked Amount 21.589			Recovery =	112.080%	
36) Toluene-D8(S)	12.36	98	826442	25.78283 ppb	0.00
Spiked Amount 25.102			Recovery =	102.714%	
44) 4-Bromofluorobenzene(S)	16.86	95	210306	26.86448 ppb	0.00
Spiked Amount 25.458			Recovery =	105.521%	

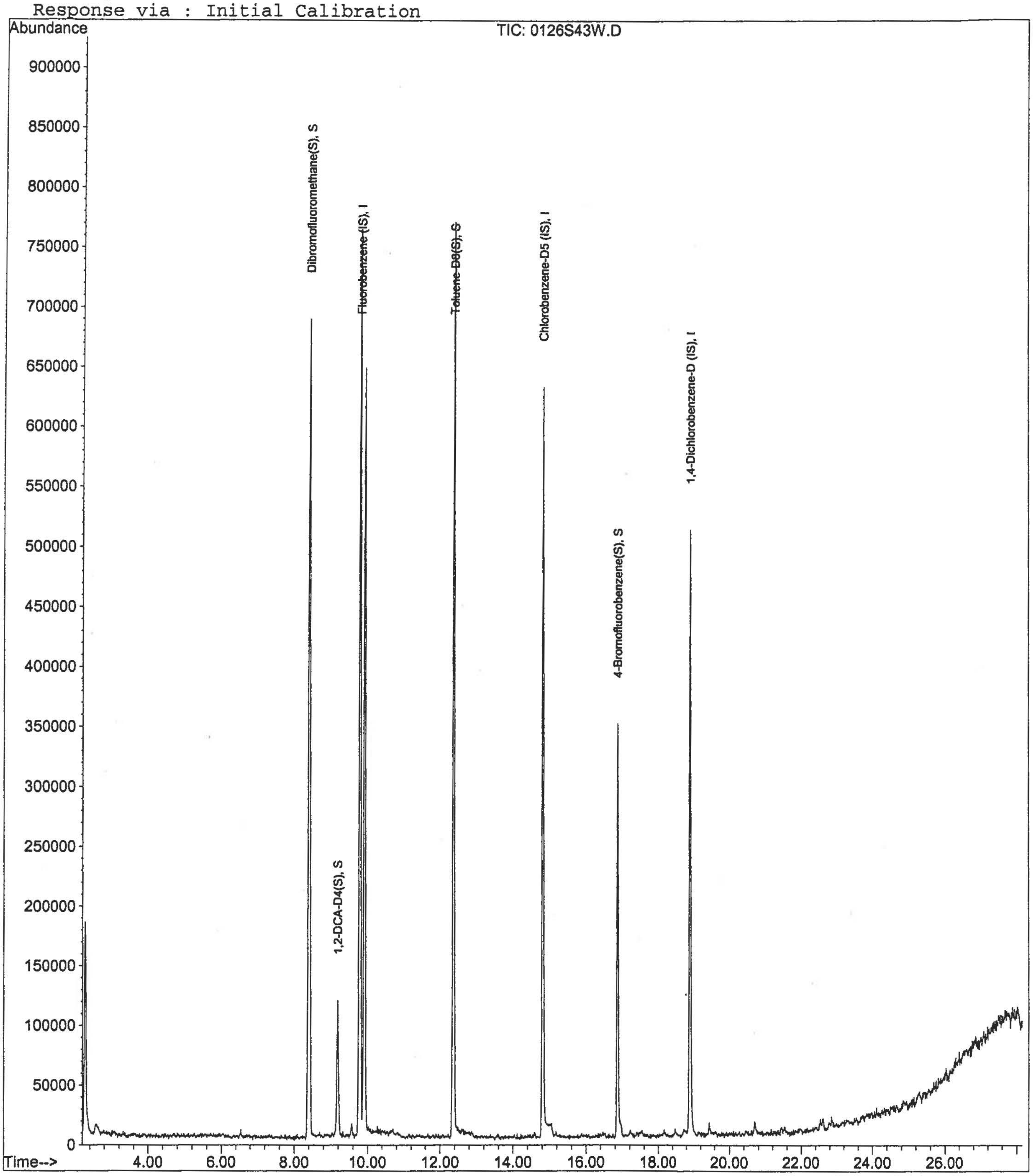
Target Compounds Qvalue

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S43W.D Vial: 43
Acq On : 27 Jan 11 14:03 Operator: GM
Sample : AY30576W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 9 13:45 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Data File : M:\SWEETPEA\DATA\S110126\0126S43W.D Vial: 43
Acq On : 27 Jan 11 14:03 Operator: GM
Sample : AY30576W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:44 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	TIC	756652	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	626881	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	505799	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2327994	24.62689 ppb	0.00
Spiked Amount 24.523				Recovery = 100.424%	
5) Toluene-D8(S)	12.36	TIC	2244559	27.32003 ppb	0.00
Spiked Amount 23.425				Recovery = 116.627%	
6) 4-Bromofluorobenzene(S)	16.86	TIC	970933	24.35513 ppb	0.02
Spiked Amount 23.162				Recovery = 105.148%	

Target Compounds Qvalue

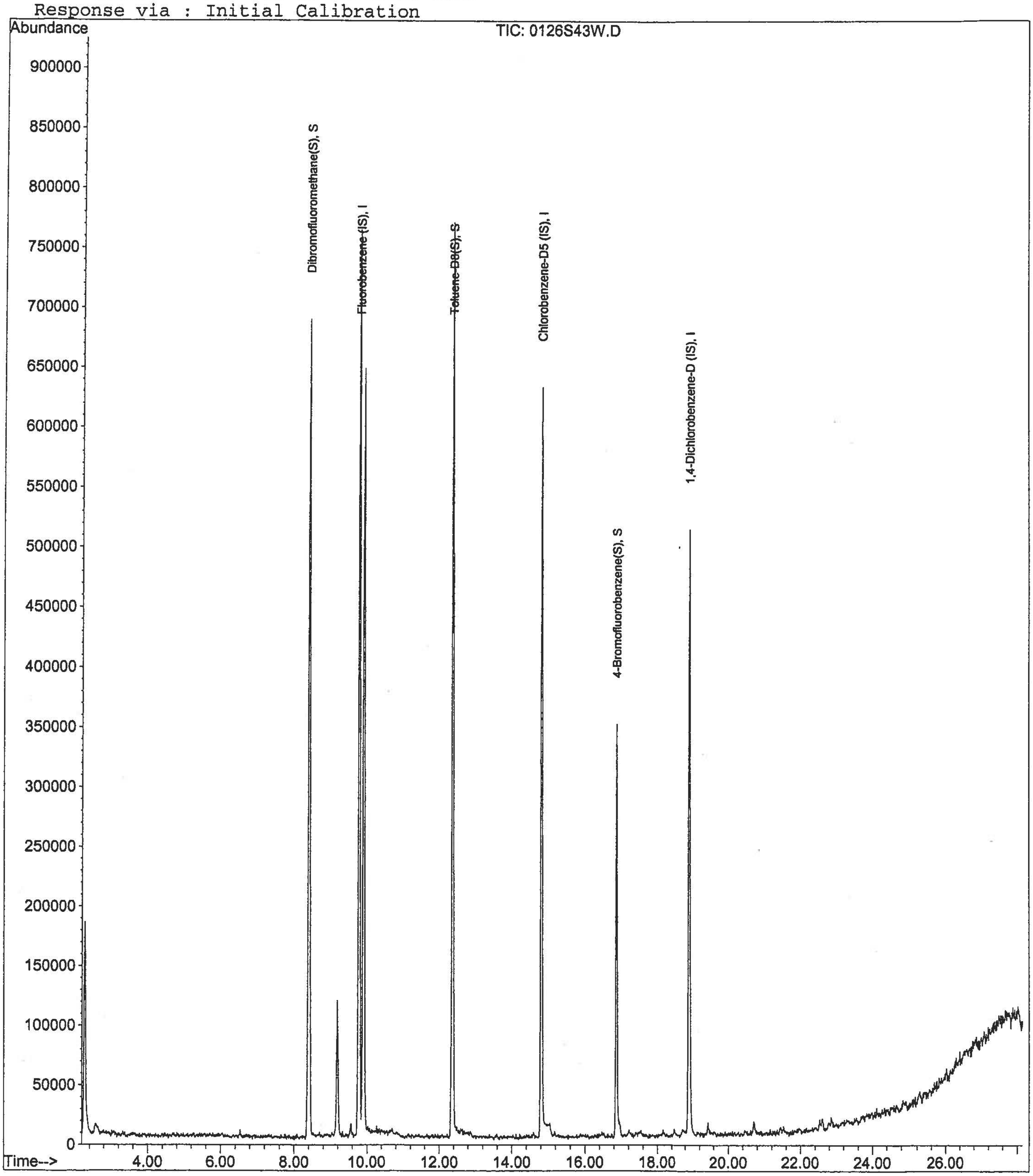
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S43W.D Vial: 43
Acq On : 27 Jan 11 14:03 Operator: GM
Sample : AY30576W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:44 2011 Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES016
Sample Collection Date: 1/21/11

ARF: 63706
APPL ID: AY30577
QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/27/11	1/27/11

Quant Method:	S86DODW.M
Run #:	0126S44
Instrument:	Sweetpea
Sequence:	S110126
Dilution Factor:	1
Initials:	DG

Printed: 2/24/11 1:02:25 PM
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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES016

APPL ID: AY30577

Sample Collection Date: 1/21/11

QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	111	70-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	107	75-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	103	85-115			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	107	85-120			%	1/27/11	1/27/11

Quant Method:	S86DODW.M
Run #:	0126S44
Instrument:	Sweetpea
Sequence:	S110126
Dilution Factor:	1
Initials:	DG

Printed: 2/24/11 1:02:25 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S44W.D Vial: 44
Acq On : 27 Jan 11 14:39 Operator: GM
Sample : AY30577W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 11:18 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	379776	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	217984	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	94784	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.41	111	178322	23.63303 ppb	0.00
Spiked Amount 22.854			Recovery	= 103.411%	
23) 1,2-DCA-D4(S)	9.18	65	102797	23.92056 ppb	0.00
Spiked Amount 21.589			Recovery	= 110.801%	
36) Toluene-D8(S)	12.36	98	832938	26.86286 ppb	0.00
Spiked Amount 25.102			Recovery	= 107.017%	
44) 4-Bromofluorobenzene(S)	16.86	95	206883	27.31951 ppb	0.00
Spiked Amount 25.458			Recovery	= 107.312%	

Target Compounds Qvalue

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S44W.D         Vial: 44
Acq On    : 27 Jan 11  14:39                          Operator: GM
Sample    : AY30577W01                                Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 14 11:18 2011             Quant Results File: S86DODW.RES

Method        : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Thu Feb 10 13:45:43 2011
Response via  : Initial Calibration
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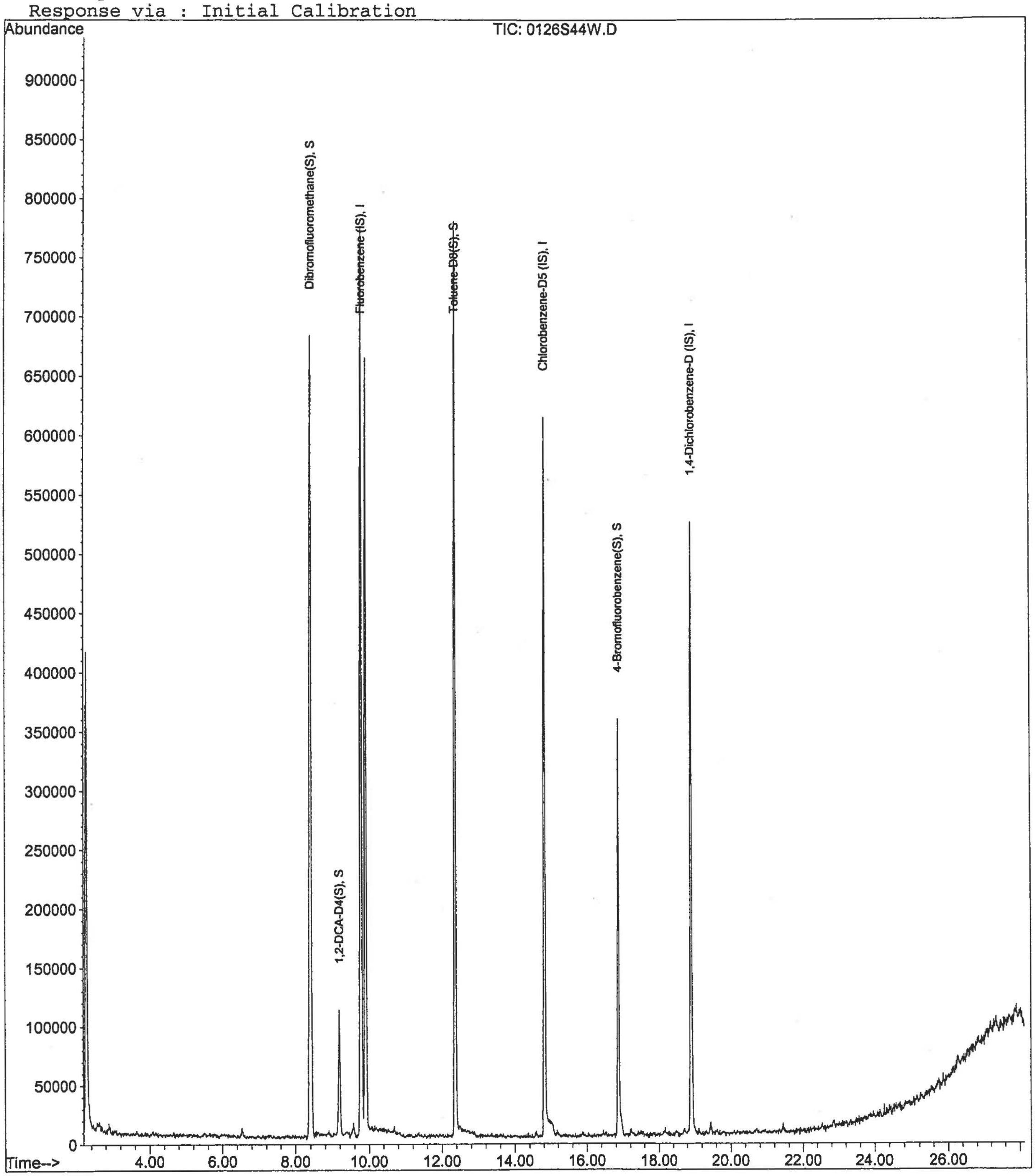

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Data File : M:\SWEETPEA\DATA\S110126\0126S44W.D          Vial: 44
Acq On    : 27 Jan 11  14:39                         Operator: GM
Sample    : AY30577W01                               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 10:45 2011              Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	TIC	770630	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	608464	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	517822	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2321288	24.11054 ppb	0.00
Spiked Amount 24.523			Recovery	= 98.320%	
5) Toluene-D8(S)	12.36	TIC	2238959	28.07673 ppb	0.00
Spiked Amount 23.425			Recovery	= 119.859%	
6) 4-Bromofluorobenzene(S)	16.86	TIC	970140	25.07182 ppb	0.02
Spiked Amount 23.162			Recovery	= 108.244%	

Target Compounds   Qvalue

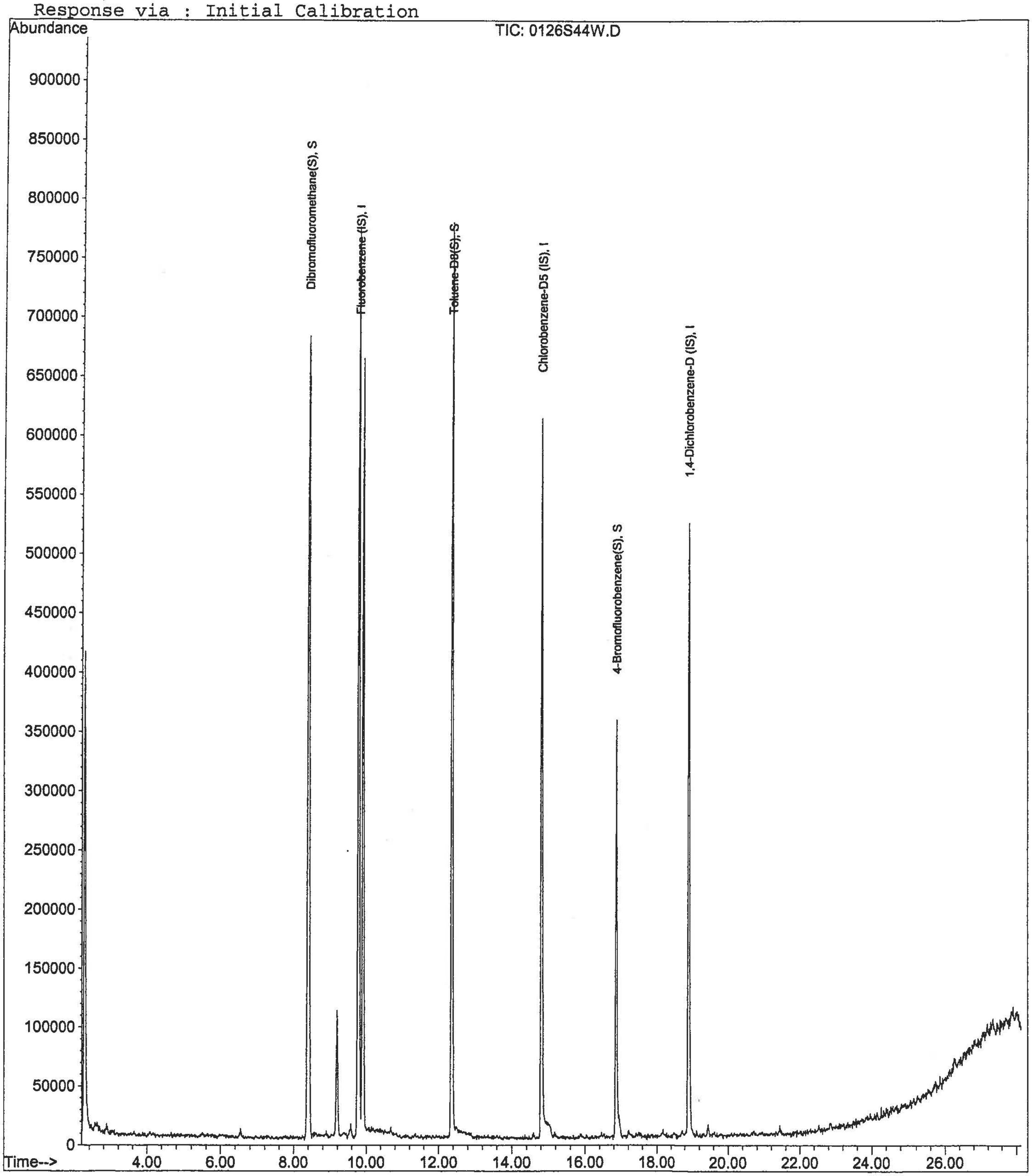
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S44W.D Vial: 44
Acq On : 27 Jan 11 14:39 Operator: GM
Sample : AY30577W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:45 2011 Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES017

APPL ID: AY30578

Sample Collection Date: 1/21/11

QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
EPA 8260B	BENZENE	0.54 J	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/27/11	1/27/11

J = Estimated value.

Quant Method:	S86DODW.M
Run #:	0126S45
Instrument:	Sweetpea
Sequence:	S110126
Dilution Factor:	1
Initials:	DG

Printed: 2/24/11 1:02:25 PM
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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES017
Sample Collection Date: 1/21/11

ARF: 63706
APPL ID: AY30578
QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	101	70-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	104	75-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	97.0	85-115			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	104	85-120			%	1/27/11	1/27/11

J = Estimated value.

Quant Method: S86DODW.M
Run #: 0126S45
Instrument: Sweetpea
Sequence: S110126
Dilution Factor: 1
Initials: DG

Printed: 2/24/11 1:02:25 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S45W.D Vial: 45
Acq On : 27 Jan 11 15:15 Operator: GM
Sample : AY30578W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 14:18 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	389760	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	222336	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	99632	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.40	111	171667	22.16826 ppb	0.00
Spiked Amount 22.854			Recovery =	97.000%	
23) 1,2-DCA-D4(S)	9.18	65	96100	21.78937 ppb	0.00
Spiked Amount 21.589			Recovery =	100.926%	
36) Toluene-D8(S)	12.37	98	826075	26.12004 ppb	0.00
Spiked Amount 25.102			Recovery =	104.057%	
44) 4-Bromofluorobenzene(S)	16.86	95	204788	26.51353 ppb	0.00
Spiked Amount 25.458			Recovery =	104.146%	
Target Compounds					Qvalue
26) Benzene	9.42	78	19495	0.53761 ppb	99

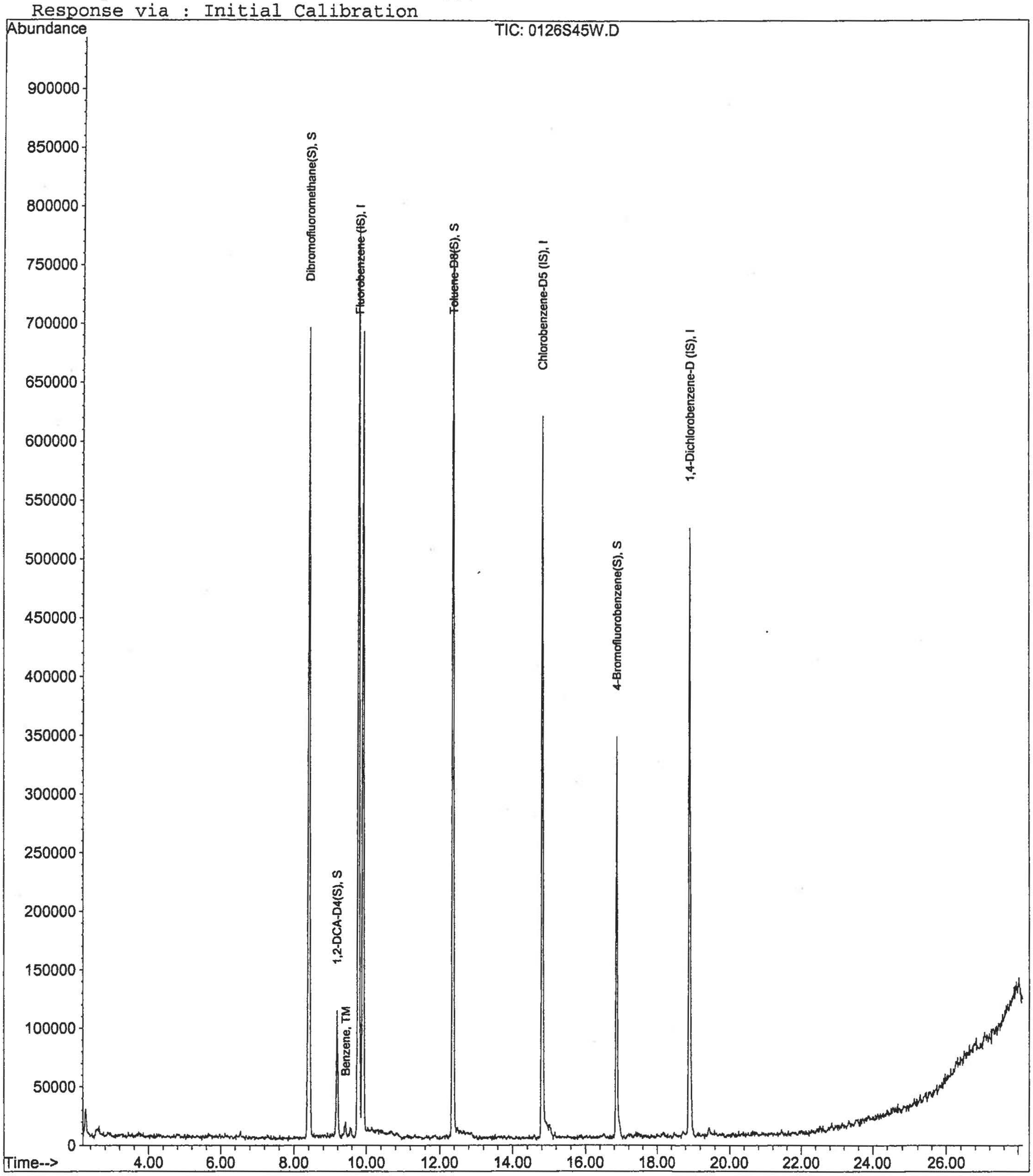
(#) = qualifier out of range (m) = manual integration

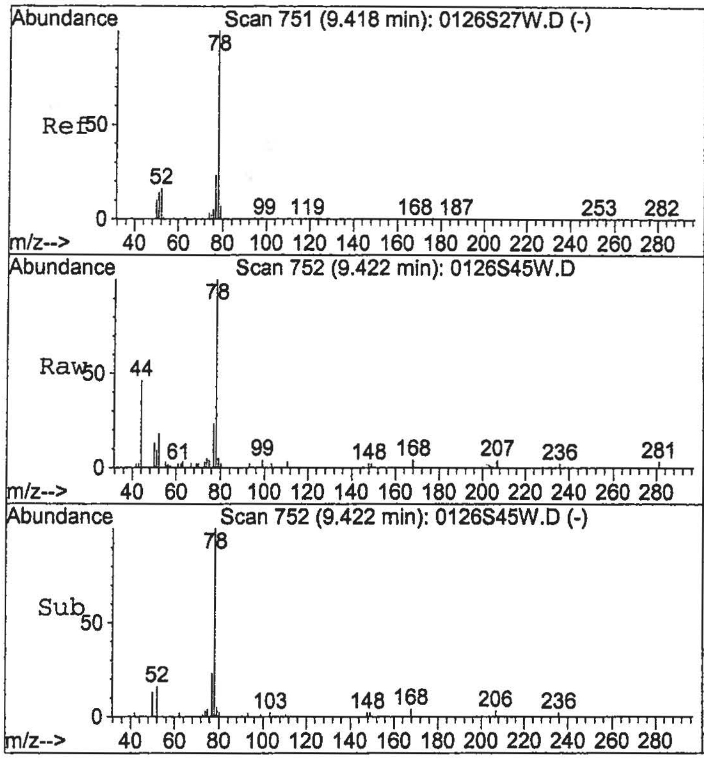
Data File : M:\SWEETPEA\DATA\S110126\0126S45W.D
Acq On : 27 Jan 11 15:15
Sample : AY30578W01
Misc : Water 10mL w/IS: 01-17-11

Vial: 45
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Feb 10 14:18 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration

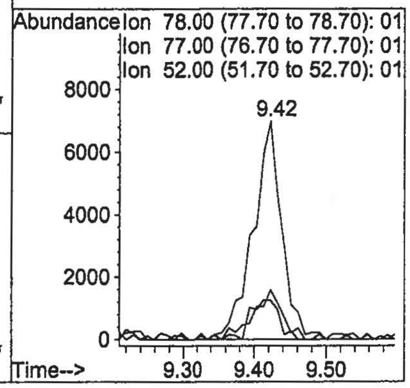




#26
Benzene
Concen: 0.53761 ppb
RT: 9.42 min Scan# 752
Delta R.T. 0.00 min
Lab File: 0126S45W.D
Acq: 27 Jan 11 15:15

Tgt Ion: 78 Resp: 19495

Ion	Ratio	Lower	Upper
78	100		
77	22.8	16.0	29.6
52	17.9	11.6	21.6



```
Data File : M:\SWEETPEA\DATA\S110126\0126S45W.D          Vial: 45
Acq On    : 27 Jan 11  15:15                         Operator: GM
Sample    : AY30578W01                               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 10:45 2011              Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards                R.T. QIon  Response  Conc Units   Dev(Min)
-----------------------------------------------------------------------------
  1) Fluorobenzene (IS)           9.78  TIC    779871    25.00000 ppb    0.00
  4) Chlorobenzene-D5 (IS)       14.81  TIC    614386    25.00000 ppb    0.00
  7) 1,4-Dichlorobenzene-D (IS)  18.90  TIC    518150    25.00000 ppb    0.00

System Monitoring Compounds
  3) Dibromofluoromethane(S)      8.40  TIC   2279974    23.40081 ppb    0.00
  Spiked Amount     24.523                     Recovery   =   95.425%
  5) Toluene-D8(S)               12.36  TIC   2216749    27.53027 ppb    0.00
  Spiked Amount     23.425                     Recovery   =  117.524%
  6) 4-Bromofluorobenzene(S)     16.86  TIC    960439    24.58187 ppb    0.02
  Spiked Amount     23.162                     Recovery   =  106.129%

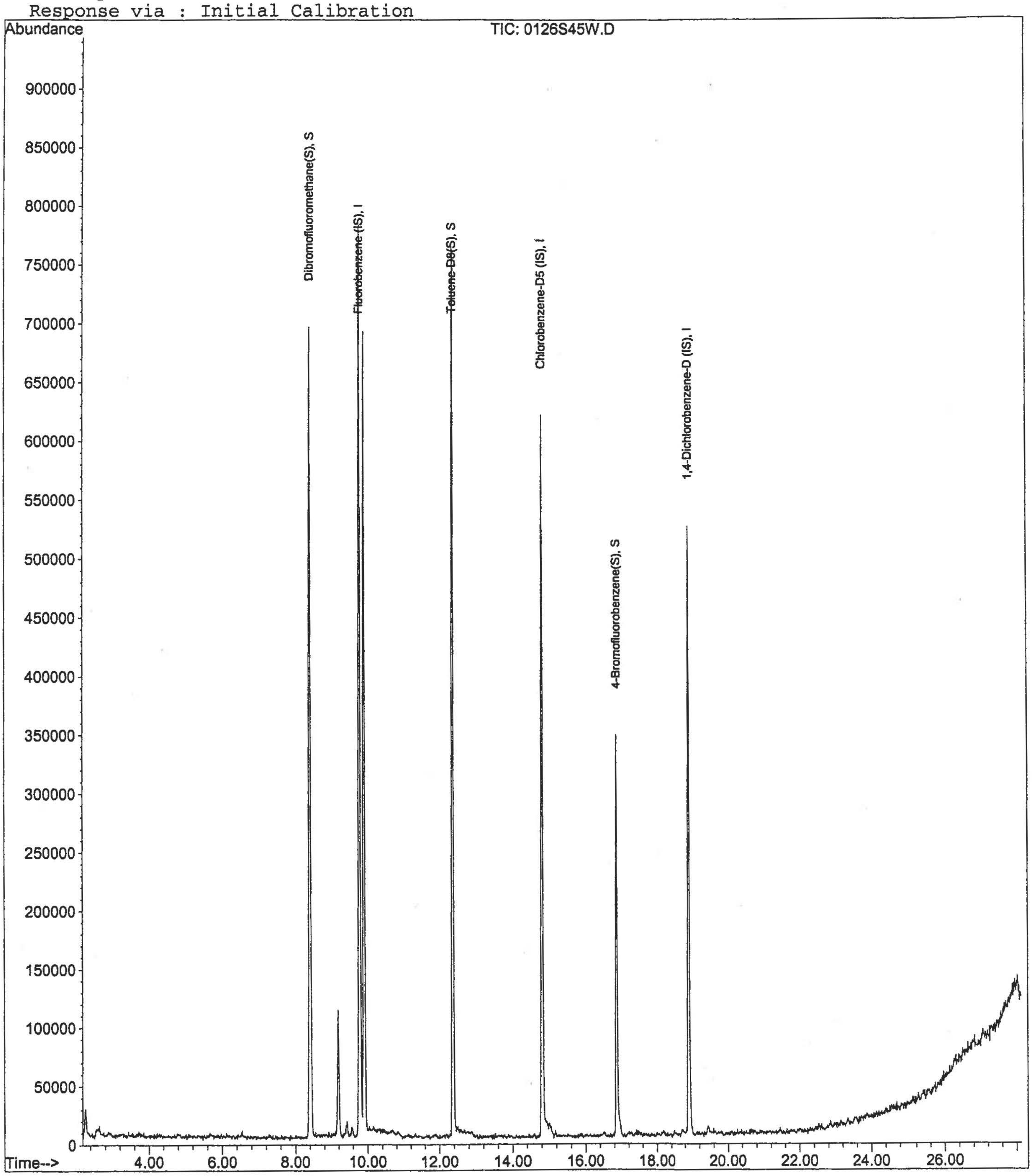
Target Compounds                                                   Qvalue

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

```
Data File : M:\SWEETPEA\DATA\S110126\0126S45W.D          Vial: 45
Acq On    : 27 Jan 11  15:15                         Operator: GM
Sample    : AY30578W01                               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 10:45 2011           Quant Results File: SGAS.RES

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:43:15 2011
Response via  : Initial Calibration
```



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES018
Sample Collection Date: 1/21/11

ARF: 63706
APPL ID: AY30579
QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
EPA 8260B	BENZENE	0.69 J	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/27/11	1/27/11

J = Estimated value.

Quant Method: S86DODW.M
Run #: 0126S46
Instrument: Sweetpea
Sequence: S110126
Dilution Factor: 1
Initials: DG

Printed: 2/24/11 1:02:25 PM
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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES018

APPL ID: AY30579

Sample Collection Date: 1/21/11

QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	108	70-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	100	75-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	101	85-115			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	102	85-120			%	1/27/11	1/27/11

J = Estimated value.

Quant Method:	S86DODW.M
Run #:	0126S46
Instrument:	Sweetpea
Sequence:	S110126
Dilution Factor:	1
Initials:	DG

Printed: 2/24/11 1:02:25 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S46W.D Vial: 46
Acq On : 27 Jan 11 15:51 Operator: GM
Sample : AY30579W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 14:18 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	392512	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	239680	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	98328	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.40	111	180668	23.16703 ppb	0.00
Spiked Amount 22.854			Recovery =	101.372%	
23) 1,2-DCA-D4(S)	9.18	65	104003	23.41593 ppb	0.00
Spiked Amount 21.589			Recovery =	108.462%	
36) Toluene-D8(S)	12.36	98	873608	25.62412 ppb	0.00
Spiked Amount 25.102			Recovery =	102.081%	
44) 4-Bromofluorobenzene(S)	16.86	95	212122	25.47573 ppb	0.00
Spiked Amount 25.458			Recovery =	100.069%	
Target Compounds					Qvalue
26) Benzene	9.42	78	25059	0.68621 ppb #	89

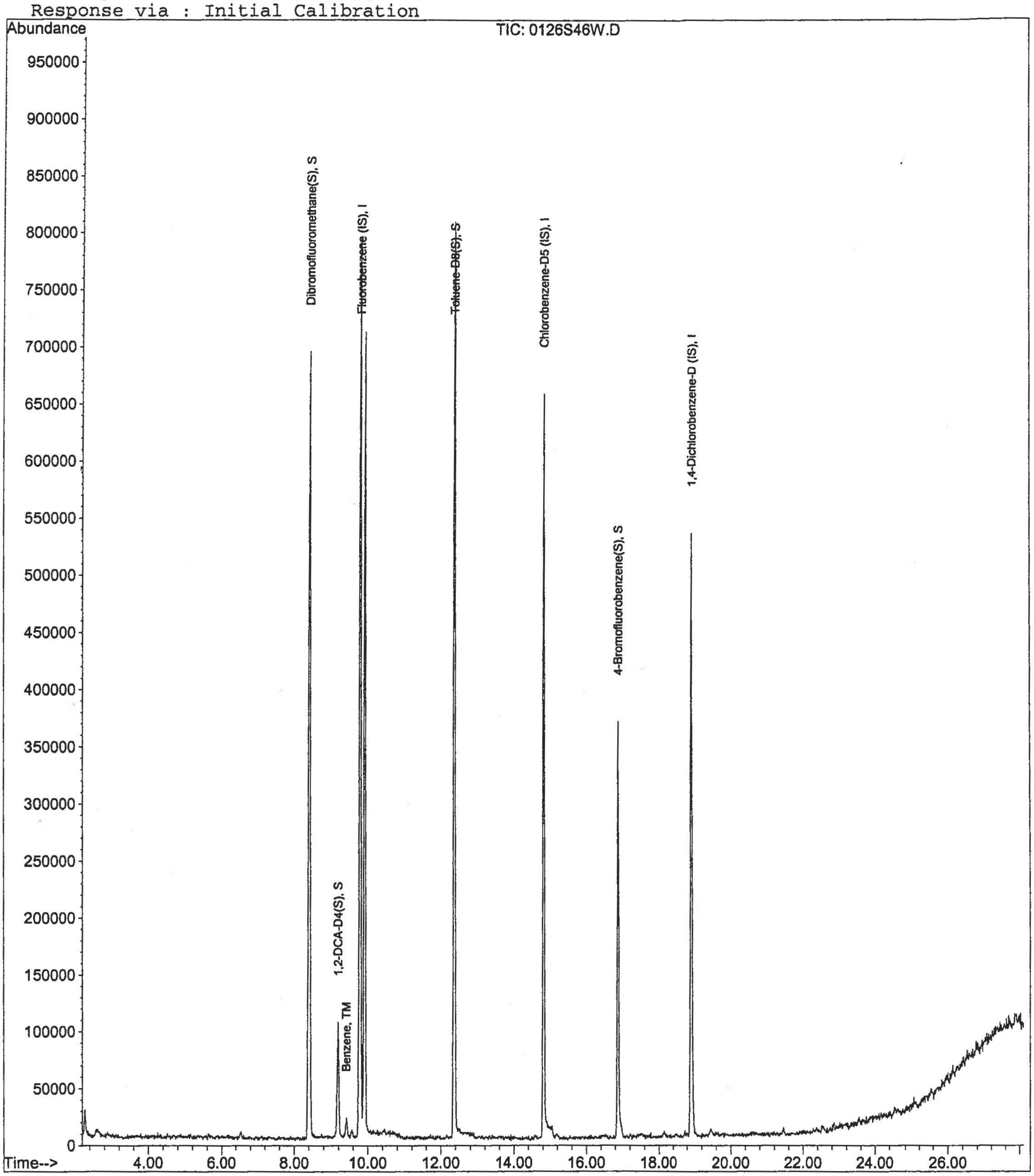
(#) = qualifier out of range (m) = manual integration

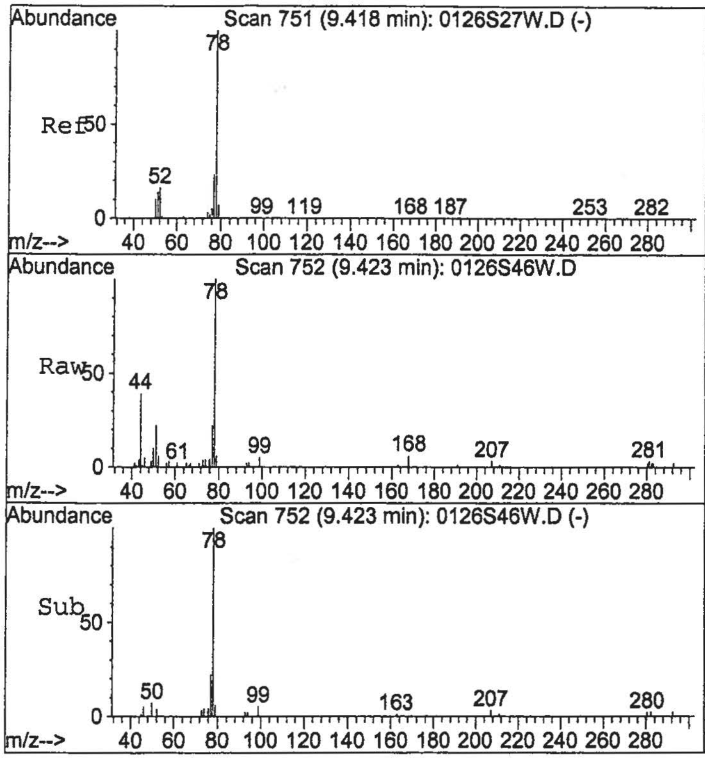
Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S46W.D          Vial: 46
Acq On    : 27 Jan 11  15:51                         Operator: GM
Sample    : AY30579W01                               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 10 14:18 2011          Quant Results File: S86DODW.RES

Method        : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Thu Feb 10 13:45:43 2011
Response via  : Initial Calibration
```

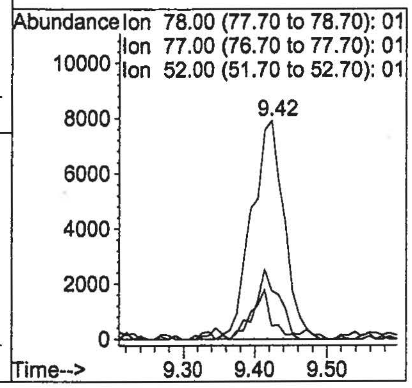




#26
Benzene
Concen: 0.68621 ppb
RT: 9.42 min Scan# 752
Delta R.T. 0.00 min
Lab File: 0126S46W.D
Acq: 27 Jan 11 15:51

Tgt Ion: 78 Resp: 25059

Ion	Ratio	Lower	Upper
78	100		
77	22.1	16.0	29.6
52	6.0	11.6	21.6#



Data File : M:\SWEETPEA\DATA\S110126\0126S46W.D Vial: 46
Acq On : 27 Jan 11 15:51 Operator: GM
Sample : AY30579W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:45 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	TIC	788847	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	651608	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	528825	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2325793	23.59946 ppb	0.00
Spiked Amount 24.523				Recovery = 96.232%	
5) Toluene-D8(S)	12.36	TIC	2337366	27.37005 ppb	0.00
Spiked Amount 23.425				Recovery = 116.840%	
6) 4-Bromofluorobenzene(S)	16.86	TIC	1012409	24.43183 ppb	0.02
Spiked Amount 23.162				Recovery = 105.481%	

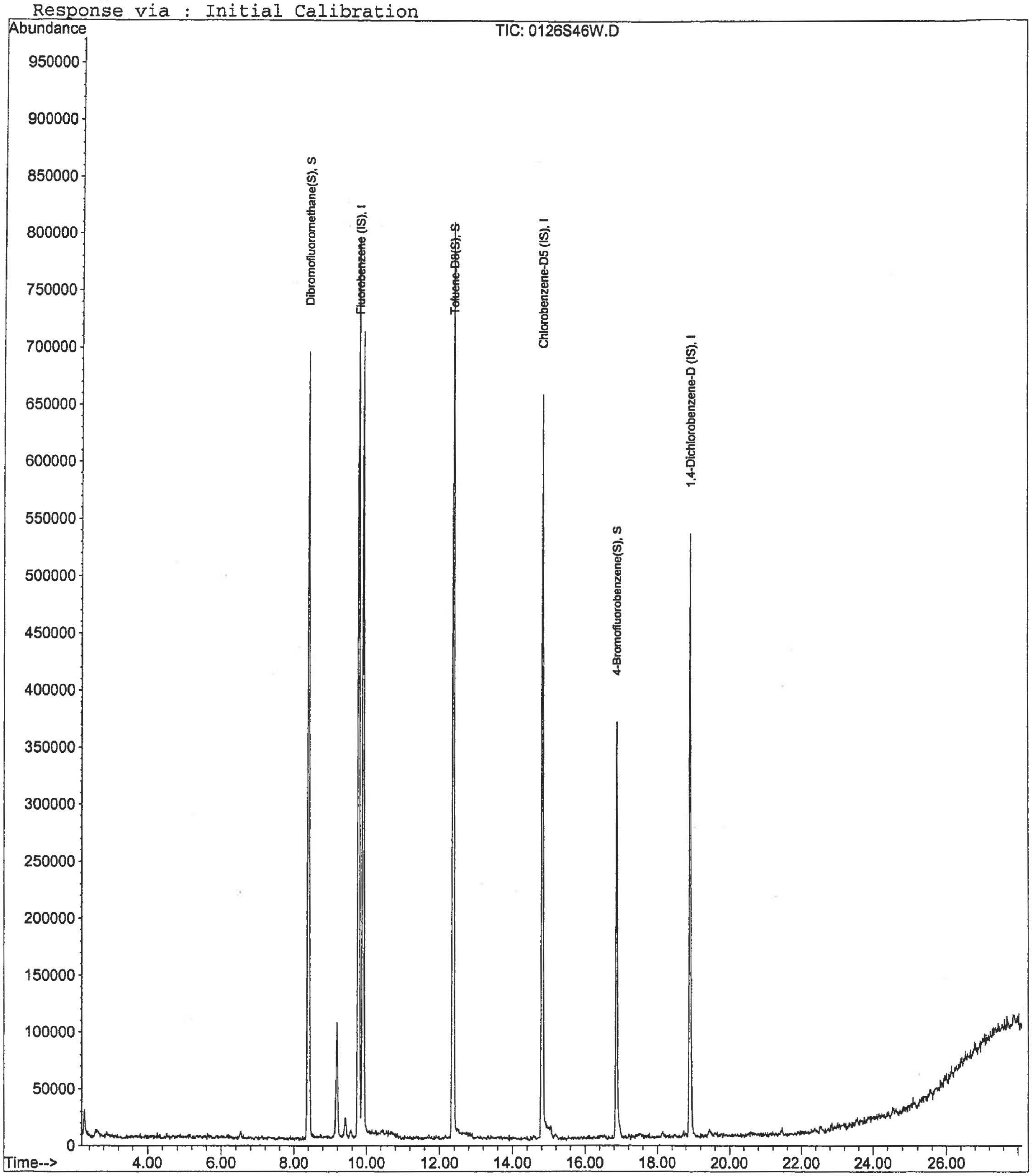
Target Compounds Qvalue

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

Data File : M:\SWEETPEA\DATA\S110126\0126S46W.D   Vial: 46
Acq On : 27 Jan 11 15:51   Operator: GM
Sample : AY30579W01   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 14 10:45 2011   Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



EPA 8260B VOCs + Gas Water

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: TRIP BLANK
Sample Collection Date: No Date Specified

ARF: 63706
APPL ID: AY30580
QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
EPA 8260B	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROBENZENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
EPA 8260B	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
EPA 8260B	1,4-DICHLOROBENZENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
EPA 8260B	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
EPA 8260B	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
EPA 8260B	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
EPA 8260B	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
EPA 8260B	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
EPA 8260B	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
EPA 8260B	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
EPA 8260B	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	METHYLENE CHLORIDE	0.70 U	5.0	0.70	0.35	ug/L	1/27/11	1/27/11

Quant Method: S86DODW.M
Run #: 0126S41
Instrument: Sweetpea
Sequence: S110126
Dilution Factor: 1
Initials: DG

Printed: 2/24/11 1:02:25 PM
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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: TRIP BLANK

APPL ID: AY30580

Sample Collection Date: No Date Specified

QCG: #86RHB-110126AS-151943

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	1/27/11	1/27/11
EPA 8260B	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
EPA 8260B	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
EPA 8260B	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
EPA 8260B	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
EPA 8260B	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE	111	70-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: 4-BROMOFLUOROBEN	103	75-120			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: DIBROMOFLUOROMET	102	85-115			%	1/27/11	1/27/11
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	85-120			%	1/27/11	1/27/11

Quant Method:	S86DODW.M
Run #:	0126S41
Instrument:	Sweetpea
Sequence:	S110126
Dilution Factor:	1
Initials:	DG

Printed: 2/24/11 1:02:25 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

Data File	: M:\SWEETPEA\DATA\S110126\0126S41W.D	Vial:	41
Acq On	: 27 Jan 11 12:51	Operator:	GM
Sample	: AY30580W01	Inst :	Sweetpea
Misc	: Water 10mL w/IS: 01-17-11	Multiplr:	1.00

Quant Time: Feb 14 11:15 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	383104	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	226688	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	89976	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.41	111	177948	23.37860 ppb	0.00
Spiked Amount 22.854				Recovery = 102.299%	
23) 1,2-DCA-D4(S)	9.19	65	103493	23.87332 ppb	0.00
Spiked Amount 21.589				Recovery = 110.579%	
36) Toluene-D8(S)	12.37	98	810876	25.14723 ppb	0.00
Spiked Amount 25.102				Recovery = 100.180%	
44) 4-Bromofluorobenzene(S)	16.86	95	205806	26.13378 ppb	0.00
Spiked Amount 25.458				Recovery = 102.654%	

Target Compounds Qvalue

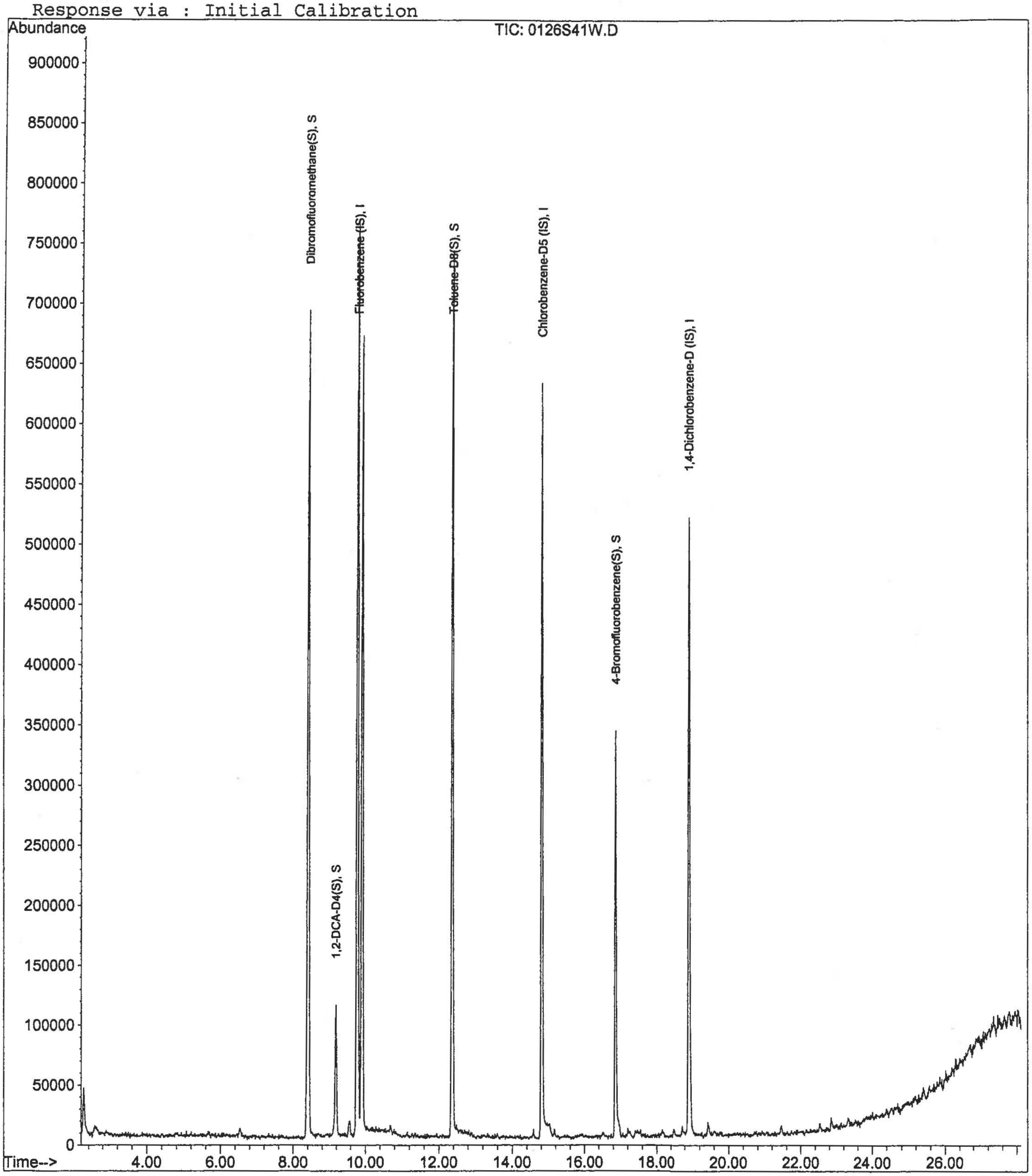
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S41W.D        Vial: 41
Acq On    : 27 Jan 11  12:51                       Operator: GM
Sample    : AY30580W01                             Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11              Multiplr: 1.00

Quant Time: Feb 14 11:15 2011             Quant Results File: S86DODW.RES

Method        : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Thu Feb 10 13:45:43 2011
Response via  : Initial Calibration
```



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Data File : M:\SWEETPEA\DATA\S110126\0126S41W.D          Vial: 41
Acq On    : 27 Jan 11  12:51                         Operator: GM
Sample    : AY30580W01                               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 10:44 2011              Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards                 R.T. QIon  Response  Conc Units   Dev(Min)
-----------------------------------------------------------------------------
  1) Fluorobenzene (IS)             9.78  TIC    760665   25.00000 ppb     0.00
  4) Chlorobenzene-D5 (IS)         14.81  TIC    628133   25.00000 ppb     0.00
  7) 1,4-Dichlorobenzene-D (IS)    18.90  TIC    514112   25.00000 ppb     0.00

System Monitoring Compounds
  3) Dibromofluoromethane(S)        8.40  TIC   2350231   24.73096 ppb     0.00
  Spiked Amount     24.523                        Recovery   =  100.848%
  5) Toluene-D8(S)                 12.36  TIC   2199080   26.71312 ppb     0.00
  Spiked Amount     23.425                        Recovery   =  114.036%
  6) 4-Bromofluorobenzene(S)       16.86  TIC    959814   24.02823 ppb     0.02
  Spiked Amount     23.162                        Recovery   =  103.737%

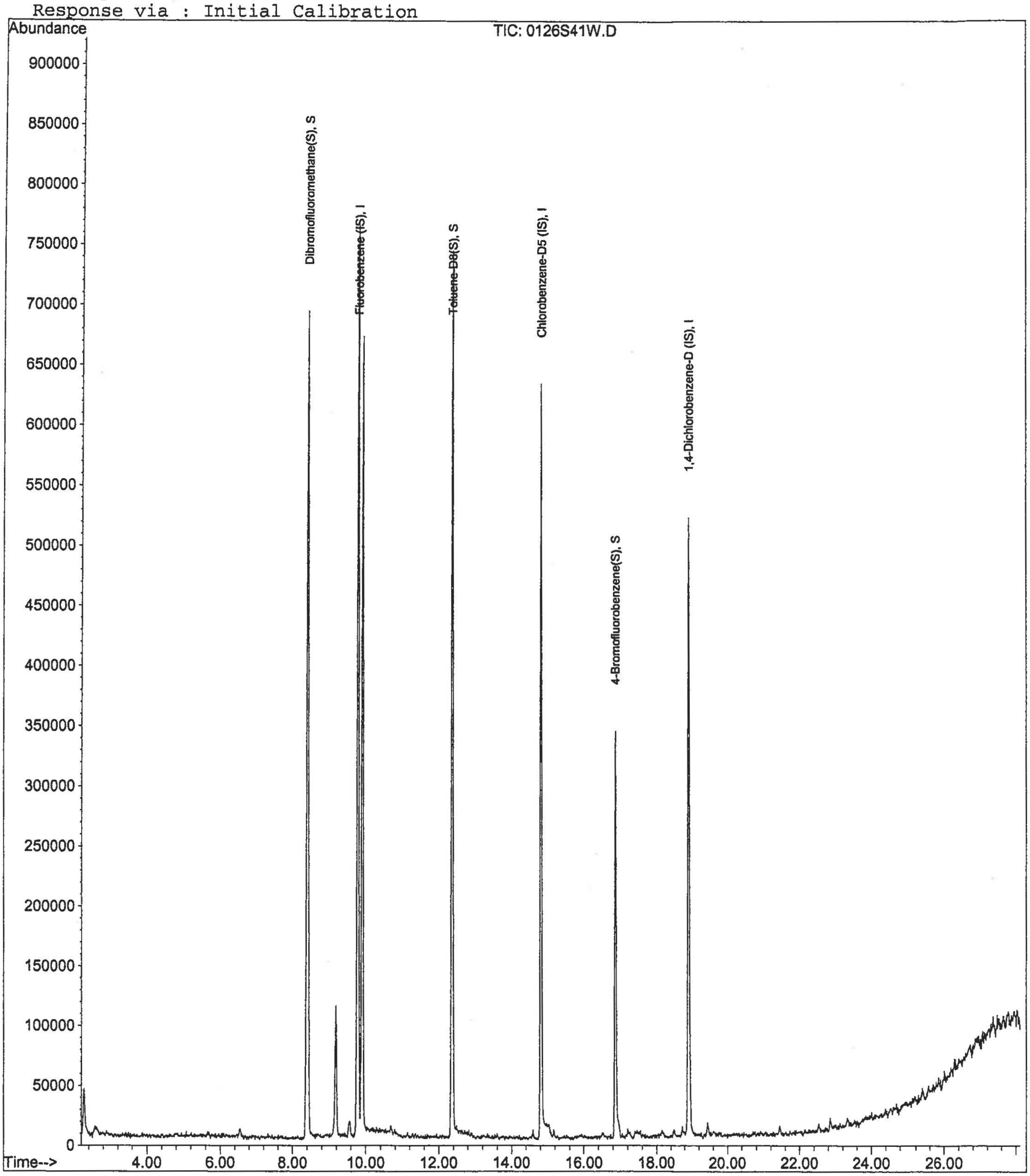
Target Compounds                                                      Qvalue

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

Data File : M:\SWEETPEA\DATA\S110126\0126S41W.D Vial: 41
Acq On : 27 Jan 11 12:51 Operator: GM
Sample : AY30580W01 Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:44 2011 Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



EPA METHOD 8260B
Volatile Organic Compounds
Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 63706

Case No: Initial Cal. Date: 1/26/11

Matrix: Instrument: Sweetpea Initials:

			0126S23W.D	0126S24W.D	0126S25W.D	0126S26W.D	0126S27W.D	0126S28W.D	0126S29W.D	0126S30W.D	0126S31W.D					
		Compound	0.3	0.5	1	5	10	20	40	100	200		Avg	%RSD		
1	I	Fluorobenzene (IS)	ISTD													
2	TM	Dichlorodifluoromethane		0.6109	0.8244	0.7269	0.7077	0.6554	0.7839	0.7463	0.8239		0.73	10	TM	
3	TM**	Chloromethane		1.235	1.177	1.129	1.098	1.016	1.101	1.087	1.205		1.1	6.3	TM**	
4	TM*	Vinyl chloride		0.1750	0.1335	0.1127	0.1048	0.0895	0.0817				0.12	29	TM*	
5	TM	Bromomethane		0.1506	0.1768	0.1491	0.1427	0.1506	0.1763	0.1695	0.1691		0.16	8.5	TM	
6	TM	Chloroethane		0.2114	0.1511	0.1633	0.1587	0.1464	0.1550	0.1472	0.1504		0.16	13	TM	
7	TM	Trichlorofluoromethane		0.9782	1.046	1.054	0.9995	0.9487	1.070	1.038	1.098		1.0	4.8	TM	
8	TML	Acetone		0.1243	0.0363	0.0443	0.0536	0.0417	0.0415	0.0344	0.0347		0.05	59	TML	0.998
9	TM*	1,1-DCE		0.5618	0.6321	0.5567	0.5127	0.5333	0.5506	0.5475	0.5657		0.56	6.2	TM*	
10	TM	Methylene chloride	0.5039	0.4234	0.3385	0.3380	0.3441	0.3434	0.3687	0.3523	0.3385		0.37	15	TM	
11	TM	Carbon disulfide		2.048	2.133	2.370	2.180	2.258	2.367	2.313	2.368		2.3	5.4	TM	
12	TM	Methyl t-butyl ether (MtBE)		0.5376	0.5247	0.5965	0.6040	0.5932	0.6421	0.5834	0.5787		0.58	6.4	TM	
13	TM	Trans-1,2-DCE		0.5270	0.6358	0.6249	0.5613	0.5807	0.5970	0.5565	0.5824		0.58	6.2	TM	
14	TM**	1,1-DCA		0.9390	1.171	1.080	1.048	1.071	1.138	1.047	1.085		1.1	6.4	TM**	
15	TMQ	MEK (2-Butanone)		0.1206	0.0774	0.0379	0.0411	0.0405	0.0429				0.06	55	TMQ	1.000
16	TM	Cis-1,2-DCE		0.6157	0.5548	0.5567	0.5324	0.5541	0.5762	0.5470	0.5638		0.56	4.4	TM	
17	TM	2,2-Dichloropropane		1.069	0.9343	1.015	0.9414	0.9864	0.9913	0.9382	0.9877		0.98	4.6	TM	
18	TM*	Chloroform		1.591	1.151	0.9251	0.8811	0.8678	0.9065	0.8557	0.8728		1.0	25	TM*	
19	TM	Bromochloromethane		0.1350	0.1582	0.1464	0.1488	0.1420	0.1535	0.1486	0.1388		0.15	5.2	TM	
20	S	Dibromofluoromethane(S)		0.5045	0.6040	0.4939	0.4403	0.4555	0.4855	0.5060	0.4839		0.50	9.9	S	
21	TM	1,1,1-TCA		1.009	0.8917	0.9843	0.8944	0.9034	0.9623	0.9431	0.9803		0.95	4.8	TM	
22	TM	1,1-Dichloropropene		0.9774	0.8051	0.8994	0.8192	0.8451	0.8822	0.8651	0.9069		0.88	6.3	TM	
23	S	1,2-DCA-D4(S)		0.2940	0.2888	0.2641	0.2632	0.2755	0.2999	0.2946	0.2829		0.28	5.0	S	
24	TM	Carbon Tetrachloride		0.7399	0.7501	0.7885	0.7061	0.7504	0.8151	0.7864	0.8148		0.77	5.0	TM	
25	TM	1,2-DCA		0.2475	0.2710	0.2899	0.2873	0.2982	0.3292	0.2971	0.2987		0.29	8.1	TM	
26	TM	Benzene		2.522	2.386	2.344	2.180	2.229	2.360	2.250	2.337		2.3	4.6	TM	
27	TM	TCE		0.7493	0.6139	0.6515	0.6246	0.6264	0.6459	0.6403	0.6546		0.65	6.5	TM	
28	TM*	1,2-Dichloropropane		0.5737	0.5362	0.4615	0.4611	0.4790	0.4856	0.4534	0.4596		0.49	8.9	TM*	
29	TM	Bromodichloromethane		0.4848	0.5080	0.5250	0.4778	0.4917	0.5274	0.4988	0.4909		0.50	3.6	TM	
30	TML	Dibromomethane		0.1180	0.0676	0.1605	0.1500	0.1434	0.1617	0.1542	0.1492		0.14	23	TML	1.000
31	TM	Cis-1,3-Dichloropropene		0.6725	0.6307	0.6020	0.5749	0.5799	0.6115	0.5717	0.5702		0.60	6.0	TM	
32	TM*	Toluene		1.687	1.498	1.438	1.422	1.418	1.411	1.394	1.455		1.5	6.5	TM*	
33	TM	Trans-1,3-Dichloropropene		0.3872	0.4371	0.3716	0.3644	0.3924	0.4033	0.3814	0.3712		0.39	6.0	TM	
34	TM	1,1,2-TCA		0.1433	0.1583	0.1780	0.1662	0.1695	0.1953	0.1771	0.1732		0.17	9.0	TM	
35	I	Chlorobenzene-D5 (IS)	ISTD													

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 63706
Case No: Initial Cal. Date: 1/26/11
Matrix: Instrument: Sweetpea Initials:

		Compound	0.3	0.5	1	5	10	20	40	100	200		Avg	%RSD		
36	S	Toluene-D8(S)		4.233	3.664	3.526	3.166	3.273	3.390	3.625	3.572		3.6	9.1	S	
37	TM	1,2-EDB		0.3444	0.2913	0.3070	0.2715	0.2906	0.2961	0.2868	0.2933		0.30	7.2	TM	
38	TM	Tetrachloroethene		1.033	0.8490	0.9325	0.8089	0.8313	0.8394	0.8367	0.8565		0.87	8.5	TM	
39	TM	1-Chlorohexane		2.071	1.877	1.842	1.616	1.712	1.698	1.728	1.838		1.8	7.9	TM	
40	TM	1,1,1,2-Tetrachloroethane		0.6583	0.4923	0.6719	0.6579	0.6517	0.6757	0.6528	0.6445		0.64	9.4	TM	
41	TM	m&p-Xylene		1.965	1.798	1.702	1.594	1.577	1.669	1.655	1.659		1.7	7.4	TM	
42	TM	o-Xylene		1.592	1.671	1.534	1.362	1.471	1.487	1.434	1.390		1.5	6.9	TM	
43	TM	Styrene		2.192	2.146	2.158	2.030	2.086	2.117	2.053	2.025		2.1	3.0	TM	
44	S	4-Bromofluorobenzene(S)			1.004	0.8924	0.7710	0.8324	0.8514	0.8981	0.8300		0.87	8.5	S	
45	TM	2-Hexanone		0.0656	0.0587	0.0876	0.0823	0.0721	0.0867	0.0838	0.0753		0.08	14	TM	
46	TM	1,3-Dichloropropane		0.4381	0.5583	0.6046	0.5321	0.5575	0.5785	0.5629	0.5454		0.55	9.0	TM	
47	TM	Dibromochloromethane			0.4720	0.4238	0.4232	0.4675	0.4560	0.4628	0.4519		0.45	4.4	TM	
48	TM**	Chlorobenzene		2.170	2.184	2.112	1.871	2.003	2.049	1.983	2.001		2.0	5.1	TM**	
49	TM*	Ethylbenzene		5.311	4.846	4.863	4.400	4.489	4.539	4.547	4.705		4.7	6.2	TM*	
50	TM**	Bromoform		0.2085	0.2206	0.2088	0.2258	0.2205	0.2305	0.2234	0.2127		0.22	3.7	TM**	
51	I	1,4-Dichlorobenzene-D (IS)	ISTD													
52	TM	MIBK (methyl isobutyl ketone)			0.5123	0.6313	0.5642	0.5116	0.5126	0.4946	0.4789		0.53	9.8	TM	
53	TM	Isopropylbenzene		12.0	10.4	10.4	10.7	10.0	9.452	10.1	11.0		11	7.3	TM	
54	TM**	1,1,2,2-Tetrachloroethane		0.5174	0.6934	0.6186	0.7469	0.6735	0.6608	0.6488	0.6379		0.65	10	TM**	
55	TM	1,2,3-Trichloropropane			0.1434	0.1413	0.1809	0.1439	0.1383	0.1502	0.1432		0.15	9.8	TM	
56	TM	Bromobenzene		1.586	1.749	1.613	1.702	1.585	1.497	1.580	1.546		1.6	5.1	TM	
57	TM	n-Propylbenzene		15.9	14.4	12.9	13.2	12.5	11.5	12.8	13.5		13	9.9	TM	
58	TM	2-Chlorotoluene		8.740	7.361	7.288	7.606	6.998	6.611	7.157	7.252		7.4	8.4	TM	
59	TM	1,3,5-Trimethylbenzene		9.117	8.618	7.903	8.077	7.512	7.040	7.479	7.664		7.9	8.5	TM	
60	TM	4-Chlorotoluene		7.760	6.199	5.661	5.988	5.823	5.500	5.792	5.753		6.1	12	TM	
61	TM	Tert-Butylbenzene		9.162	8.526	8.644	8.469	7.869	7.507	8.144	8.589		8.4	6.1	TM	
62	TM	1,2,4-Trimethylbenzene		9.147	7.534	7.196	7.187	6.684	6.394	6.698	6.918		7.2	12	TM	
63	TM	Sec-Butylbenzene		14.6	12.5	11.6	11.6	11.0	10.2	11.5	12.3		12	11	TM	
64	TM	p-Isopropyltoluene		11.4	9.894	9.297	9.161	8.597	8.319	9.202	9.678		9.4	10	TM	
65	TM	1,3-DCB		4.297	3.644	3.292	3.462	3.277	3.101	3.235	3.224		3.4	11	TM	
66	TM	1,4-DCB		3.904	3.222	3.016	3.212	3.018	2.862	2.868	2.950		3.1	11	TM	
67	TM	n-Butylbenzene		11.0	8.665	8.106	8.311	7.678	7.219	8.040	8.633		8.5	14	TM	
68	TM	1,2-DCB		3.238	2.493	2.146	2.440	2.350	2.236	2.252	2.276		2.4	14	TM	
69	TM	1,2-Dibromo-3-chloropropane		0.0831	0.0861	0.0917	0.0755	0.0665	0.0701	0.0727	0.0669		0.08	12	TM	
70	TM	1,2,4-Trichlorobenzene		0.6005	0.6413	0.4428	0.5094	0.4980	0.4622	0.4664	0.4673		0.51	14	TM	

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VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 63706
Case No: ______ Initial Cal. Date: 1/26/11
Matrix: ______ Instrument: Sweetpea Initials: ______

		Compound	0.3	0.5	1	5	10	20	40	100	200		Avg	%RSD		
71	TM	Hexachlorobutadiene		0.7038	0.5895	0.5038	0.5142	0.5055	0.4669	0.5383	0.5361		0.54	13	TM	
72	TM	Naphthalene		0.5790	0.4786	0.4390	0.5241	0.5312	0.5347	0.5194	0.4852		0.51	8.3	TM	
73	TM	1,2,3-Trichlorobenzene			0.2891	0.3266	0.4031	0.3272	0.3260	0.3151	0.3248		0.33	11	TM	
74																
75																
76																
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103																
104																
105																

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S23W.D Vial: 23
Acq On : 27 Jan 11 00:17 Operator: GM
Sample : Vol Std 01-26-11@0.3ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 14:24 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	96	305280	25.00000 ppb	-0.01
35) Chlorobenzene-D5 (IS)	14.82	117	176896	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	74016	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	0.00	111	0d	0.00000 ppb	
Spiked Amount 22.854			Recovery	= 0.000%	
23) 1,2-DCA-D4(S)	0.00	65	0d	0.00000 ppb	
Spiked Amount 21.589			Recovery	= 0.000%	
36) Toluene-D8(S)	0.00	98	0d	0.00000 ppb	
Spiked Amount 25.102			Recovery	= 0.000%	
44) 4-Bromofluorobenzene(S)	0.00	95	0d	0.00000 ppb	
Spiked Amount 25.458			Recovery	= 0.000%	
Target Compounds					Qvalue
10) Methylene chloride	5.66	84	1846	0.40606 ppb #	54

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S23W.D          Vial: 23
Acq On    : 27 Jan 11  00:17                          Operator: GM
Sample    : Vol Std 01-26-11@0.3ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 10 14:24 2011            Quant Results File: S86DODW.RES

Method        : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Thu Feb 10 13:45:43 2011
Response via  : Initial Calibration
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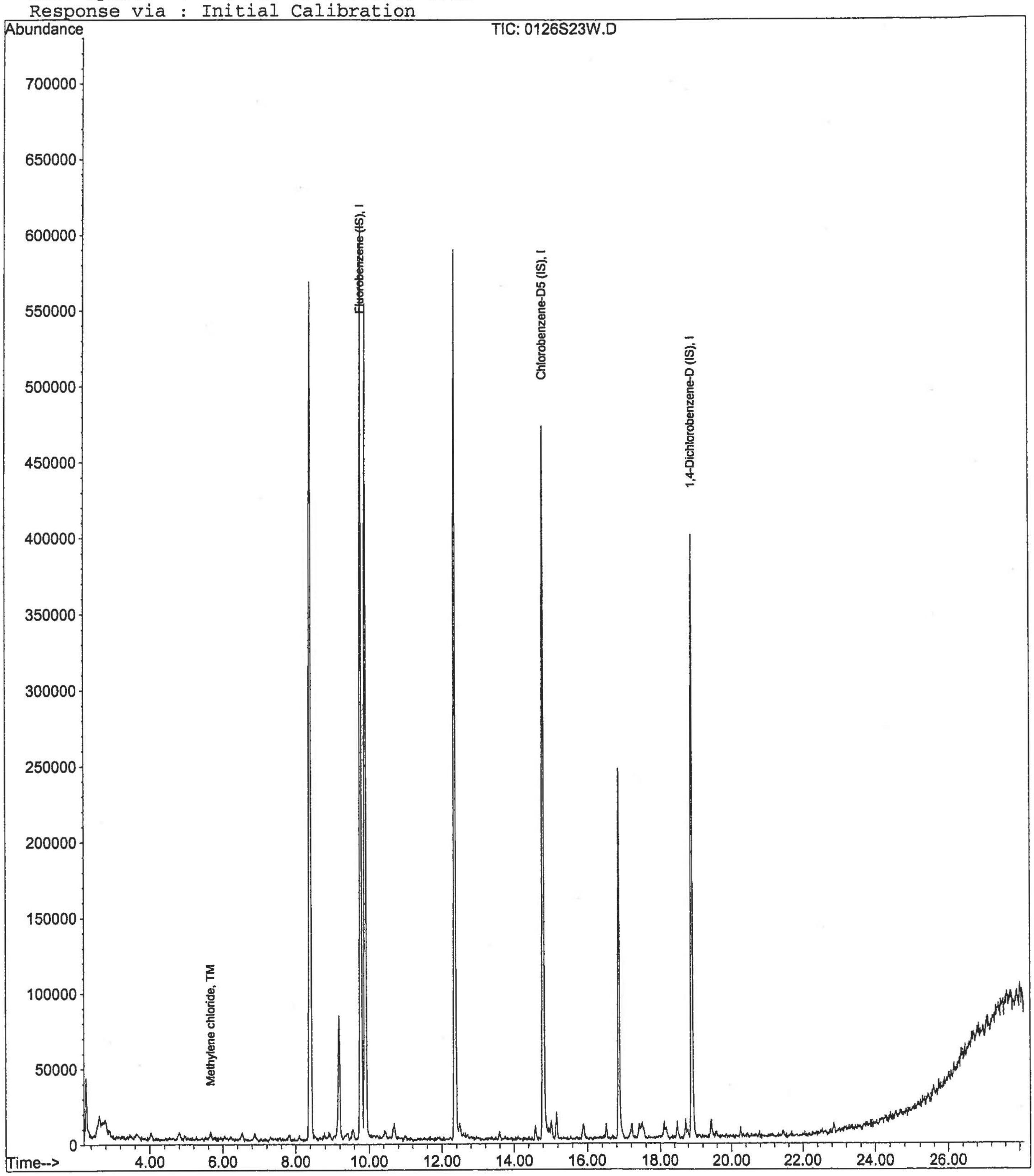

Quantitation Report (Not Reviewed)

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Data File : M:\SWEETPEA\DATA\S110126\0126S24W.D        Vial: 24
Acq On    : 27 Jan 11  00:51                       Operator: GM
Sample    : Vol Std 01-26-11@0.5ug/L               Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11              Multiplr: 1.00

Quant Time: Feb 10 13:46 2011              Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.77	96	410048	25.00000 ppb		-0.02
35) Chlorobenzene-D5 (IS)	14.81	117	247680	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	108904	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.40	111	8274	1.01560 ppb		0.00
Spiked Amount 22.854			Recovery	= 4.446%		
23) 1,2-DCA-D4(S)	9.18	65	4822	1.03923 ppb		0.00
Spiked Amount 21.589			Recovery	= 4.813%		
36) Toluene-D8(S)	12.36	98	41933	1.19023 ppb		0.00
Spiked Amount 25.102			Recovery	= 4.741%		
44) 4-Bromofluorobenzene(S)	16.86	95	14477	1.68252 ppb		0.00
Spiked Amount 25.458			Recovery	= 6.611%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.47	85	5010	0.41562 ppb		96
3) Chloromethane	2.75	50	10131	0.54612 ppb		92
4) Vinyl chloride	2.93	64	1435	0.75294 ppb	#	1
5) Bromomethane	3.48	94	1235	0.46889 ppb	#	69
6) Chloroethane	3.61	64	1734	0.65898 ppb		96
7) Trichlorofluoromethane	4.03	101	8022	0.47527 ppb		100
8) Acetone	4.66	43	1019	-1.38022 ppb	#	50
9) 1,1-DCE	4.96	96	4607	0.50378 ppb	#	48
10) Methylene chloride	5.69	84	3472	0.56860 ppb	#	51
11) Carbon disulfide	5.68	76	16798	0.45423 ppb		98
12) Methyl t-butyl ether (MtBE	6.07	73	4409	0.46146 ppb	#	62
13) Trans-1,2-DCE	6.21	96	4322	0.45183 ppb	#	83
14) 1,1-DCA	6.85	63	7701	0.43790 ppb	#	80
15) MEK (2-Butanone)	7.51	43	989	0.71608 ppb	#	84
16) Cis-1,2-DCE	7.81	96	5049	0.54719 ppb	#	73
17) 2,2-Dichloropropane	7.80	77	8765	0.54370 ppb	#	85
18) Chloroform	8.09	83	13051	0.79067 ppb		100
19) Bromochloromethane	8.30	128	1107	0.46102 ppb	#	48
21) 1,1,1-TCA	8.80	97	8278	0.53345 ppb		91
22) 1,1-Dichloropropene	9.07	75	8016	0.55850 ppb		98
24) Carbon Tetrachloride	9.20	117	6068	0.48115 ppb		81
25) 1,2-DCA	9.31	62	2030	0.42695 ppb	#	76
26) Benzene	9.41	78	20686	0.54223 ppb	#	88
27) TCE	10.45	95	6145	0.57567 ppb	#	54
28) 1,2-Dichloropropane	10.67	63	4705	0.58691 ppb	#	89
29) Bromodichloromethane	11.00	83	3976	0.48430 ppb	#	69
30) Dibromomethane	11.03	93	968	-0.05715 ppb	#	66
31) Cis-1,3-Dichloropropene	11.90	75	5515	0.55885 ppb	#	76
32) Toluene	12.47	92	13836	0.57564 ppb		78
33) Trans-1,3-Dichloropropene	12.70	75	3175	0.49820 ppb		100
34) 1,1,2-TCA	12.95	83	1175	0.42117 ppb		86
37) 1,2-EDB	14.10	107	1706	0.57858 ppb	#	25
38) Tetrachloroethene	13.61	164	5117	0.59135 ppb	#	46
39) 1-Chlorohexane	14.58	91	10258	0.57597 ppb	#	70
40) 1,1,1,2-Tetrachloroethane	14.95	131	3261	0.51579 ppb	#	50
41) m&p-Xylene	15.17	106	19466	1.15422 ppb		93
42) o-Xylene	15.88	106	7886	0.53327 ppb	#	57
43) Styrene	15.90	104	10856	0.52159 ppb		91
45) 2-Hexanone	13.06	58	325	0.42871 ppb	#	1

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S24W.D Vial: 24
Acq On : 27 Jan 11 00:51 Operator: GM
Sample : Vol Std 01-26-11@0.5ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.37	76	2170	0.40031	ppb	#	55
47)	Dibromochloromethane	13.70	129	192	0.04297	ppb		89
48)	Chlorobenzene	14.87	112	10750	0.53017	ppb	#	63
49)	Ethylbenzene	15.02	91	26311	0.56356	ppb		88
50)	Bromoform	16.34	173	1033	0.47645	ppb	#	57
52)	MIBK (methyl isobutyl keto	11.66	43	4669	2.02475	ppb		89
53)	Isopropylbenzene	16.52	105	26197	0.57225	ppb	#	88
54)	1,1,2,2-Tetrachloroethane	16.69	83	1127	0.39823	ppb	#	83
55)	1,2,3-Trichloropropane	16.98	110	58	0.08952	ppb	#	56
56)	Bromobenzene	17.17	156	3454	0.49334	ppb		80
57)	n-Propylbenzene	17.21	91	34584	0.59519	ppb		87
58)	2-Chlorotoluene	17.45	91	19037	0.59243	ppb		85
59)	1,3,5-Trimethylbenzene	17.50	105	19857	0.57511	ppb		80
60)	4-Chlorotoluene	17.54	91	16901	0.64027	ppb	#	82
61)	Tert-Butylbenzene	18.09	119	19955	0.54772	ppb		88
62)	1,2,4-Trimethylbenzene	18.16	105	19922	0.63344	ppb		80
63)	Sec-Butylbenzene	18.48	105	31902	0.61439	ppb		96
64)	p-Isopropyltoluene	18.73	119	24846	0.60392	ppb		93
65)	1,3-DCB	18.78	146	9360	0.62433	ppb	#	81
66)	1,4-DCB	18.97	146	8503	0.62332	ppb		92
67)	n-Butylbenzene	19.44	91	24032	0.65204	ppb		81
68)	1,2-DCB	19.58	146	7052	0.66648	ppb	#	78
69)	1,2-Dibromo-3-chloropropan	20.86	75	181	0.54266	ppb	#	38
70)	1,2,4-Trichlorobenzene	22.52	180	1308	0.58760	ppb		81
71)	Hexachlorobutadiene	22.85	225	1533	0.64598	ppb		95
72)	Naphthalene	22.90	128	1261	0.56606	ppb	#	91
73)	1,2,3-Trichlorobenzene	23.32	180	1090	0.75762	ppb	#	91

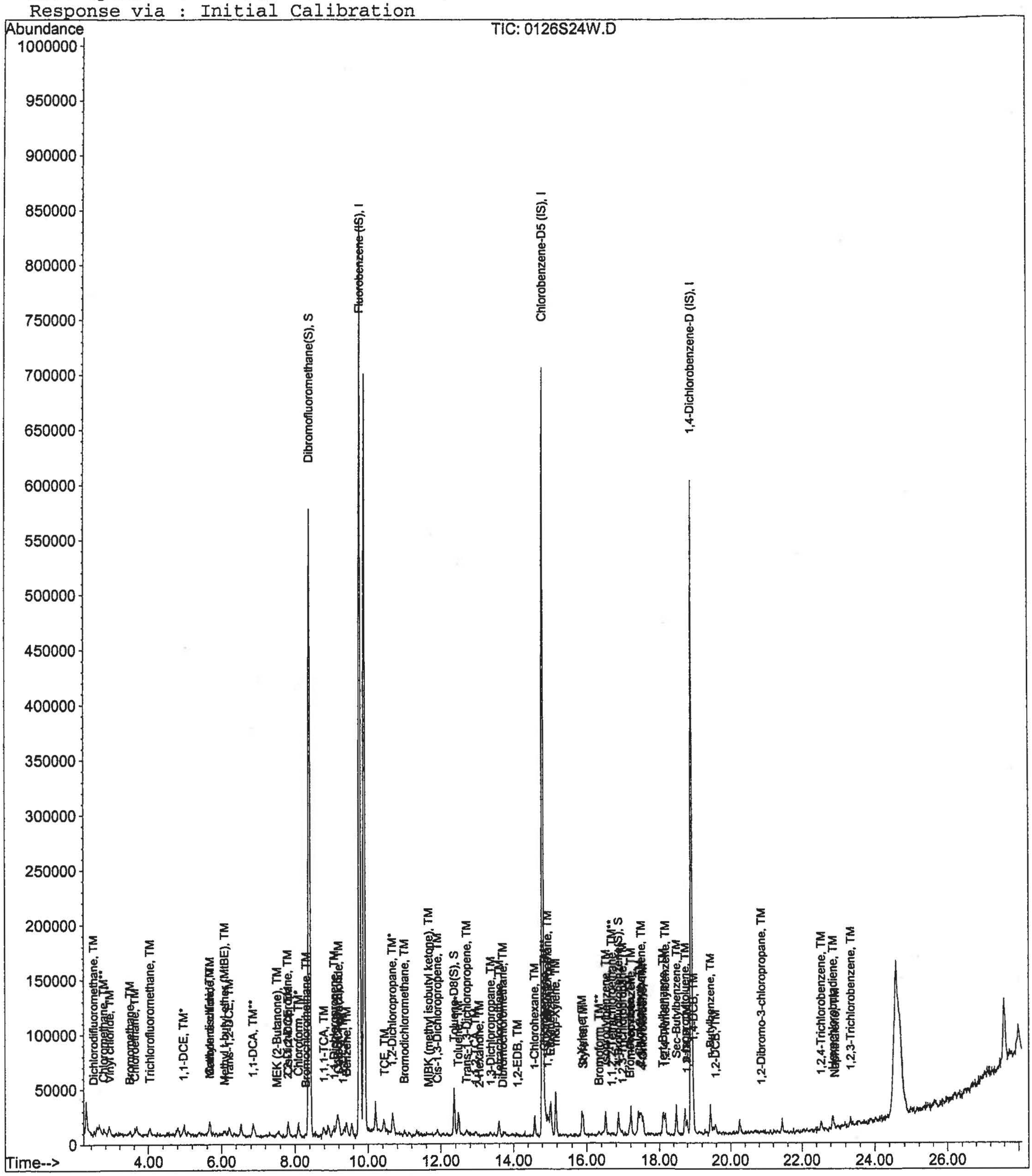
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S24W.D Vial: 24
Acq On : 27 Jan 11 00:51 Operator: GM
Sample : Vol Std 01-26-11@0.5ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110126\0126S25W.D        Vial: 25
Acq On    : 27 Jan 11   1:27                        Operator: GM
Sample    : Vol Std 01-26-11@1.0ug/L                Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11               Multiplr: 1.00

Quant Time: Feb 10 13:46 2011                 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	96	427328	25.00000 ppb	-0.01
35) Chlorobenzene-D5 (IS)	14.81	117	265920	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	120816	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.40	111	20650	2.43221 ppb	0.00
Spiked Amount 22.854			Recovery =	10.642%	
23) 1,2-DCA-D4(S)	9.19	65	9874	2.04197 ppb	0.00
Spiked Amount 21.589			Recovery =	9.458%	
36) Toluene-D8(S)	12.36	98	77949	2.06074 ppb	0.00
Spiked Amount 25.102			Recovery =	8.211%	
44) 4-Bromofluorobenzene(S)	16.86	95	21364	2.31262 ppb	0.00
Spiked Amount 25.458			Recovery =	9.085%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.48	85	14092	1.12177 ppb		84
3) Chloromethane	2.76	50	20121	1.04078 ppb		96
4) Vinyl chloride	2.93	64	2282	1.14894 ppb	#	43
5) Bromomethane	3.47	94	3022	1.10097 ppb		76
6) Chloroethane	3.61	64	2582	0.94156 ppb		91
7) Trichlorofluoromethane	4.06	101	17884	1.01670 ppb	#	72
8) Acetone	4.63	43	620	-2.13735 ppb	#	65
9) 1,1-DCE	4.96	96	10804	1.13367 ppb	#	51
10) Methylene chloride	5.68	84	5786	0.90924 ppb	#	75
11) Carbon disulfide	5.68	76	36460	0.94604 ppb		94
12) Methyl t-butyl ether (MtBE	6.06	73	8968	0.90066 ppb	#	56
13) Trans-1,2-DCE	6.22	96	10867	1.09011 ppb	#	67
14) 1,1-DCA	6.87	63	20008	1.09170 ppb	#	89
15) MEK (2-Butanone)	7.53	43	1323	1.19860 ppb	#	84
16) Cis-1,2-DCE	7.83	96	9483	0.98616 ppb	#	75
17) 2,2-Dichloropropane	7.82	77	15970	0.95057 ppb		91
18) Chloroform	8.09	83	19667	1.14331 ppb		99
19) Bromochloromethane	8.29	128	2704	1.08057 ppb	#	76
21) 1,1,1-TCA	8.78	97	15242	0.94250 ppb	#	76
22) 1,1-Dichloropropene	9.06	75	13761	0.92000 ppb	#	81
24) Carbon Tetrachloride	9.22	117	12821	0.97551 ppb		79
25) 1,2-DCA	9.34	62	4632	0.93480 ppb	#	91
26) Benzene	9.41	78	40781	1.02575 ppb		96
27) TCE	10.43	95	10494	0.94333 ppb		82
28) 1,2-Dichloropropane	10.67	63	9166	1.09715 ppb	#	89
29) Bromodichloromethane	10.99	83	8684	1.01499 ppb	#	74
31) Cis-1,3-Dichloropropene	11.92	75	10781	1.04829 ppb		89
32) Toluene	12.49	92	25611	1.02244 ppb		91
33) Trans-1,3-Dichloropropene	12.72	75	7472	1.12504 ppb		92
34) 1,1,2-TCA	12.95	83	2705	0.93037 ppb	#	63
37) 1,2-EDB	14.09	107	3099	0.97891 ppb	#	87
38) Tetrachloroethene	13.59	164	9031	0.97209 ppb		92
39) 1-Chlorohexane	14.58	91	19966	1.04417 ppb	#	52
40) 1,1,1,2-Tetrachloroethane	14.96	131	5237	0.77151 ppb	#	74
41) m&p-Xylene	15.17	106	38254	2.11265 ppb		95
42) o-Xylene	15.88	106	17774	1.11949 ppb	#	56
43) Styrene	15.91	104	22824	1.02139 ppb		98
45) 2-Hexanone	13.05	58	624	0.76667 ppb	#	46
46) 1,3-Dichloropropane	13.37	76	5938	1.02026 ppb		94

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S25W.D Vial: 25
Acq On : 27 Jan 11 1:27 Operator: GM
Sample : Vol Std 01-26-11@1.0ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
47)	Dibromochloromethane	13.76	129	5021	1.04659	ppb		73
48)	Chlorobenzene	14.87	112	23234	1.06727	ppb		87
49)	Ethylbenzene	15.03	91	51541	1.02824	ppb		96
50)	Bromoform	16.34	173	2346	1.00783	ppb	#	32
52)	MIBK (methyl isobutyl keto	11.63	43	2476	0.96787	ppb	#	36
53)	Isopropylbenzene	16.52	105	50210	0.98865	ppb		96
54)	1,1,2,2-Tetrachloroethane	16.68	83	3351	1.06734	ppb		90
55)	1,2,3-Trichloropropane	16.95	110	693	0.96413	ppb	#	5
56)	Bromobenzene	17.17	156	8450	1.08792	ppb	#	64
57)	n-Propylbenzene	17.21	91	69584	1.07946	ppb		97
58)	2-Chlorotoluene	17.45	91	35573	0.99788	ppb		85
59)	1,3,5-Trimethylbenzene	17.49	105	41648	1.08730	ppb		87
60)	4-Chlorotoluene	17.54	91	29957	1.02298	ppb		96
61)	Tert-Butylbenzene	18.11	119	41201	1.01938	ppb		96
62)	1,2,4-Trimethylbenzene	18.15	105	36410	1.04355	ppb		96
63)	Sec-Butylbenzene	18.48	105	60606	1.05210	ppb		100
64)	p-Isopropyltoluene	18.72	119	47812	1.04756	ppb		98
65)	1,3-DCB	18.79	146	17612	1.05894	ppb	#	90
66)	1,4-DCB	18.96	146	15570	1.02884	ppb		86
67)	n-Butylbenzene	19.43	91	41876	1.02416	ppb		90
68)	1,2-DCB	19.58	146	12050	1.02655	ppb		90
69)	1,2-Dibromo-3-chloropropan	20.87	75	416	1.12425	ppb	#	37
70)	1,2,4-Trichlorobenzene	22.53	180	3099	1.25492	ppb		88
71)	Hexachlorobutadiene	22.86	225	2849	1.08216	ppb	#	81
72)	Naphthalene	22.89	128	2313	0.93593	ppb	#	76
73)	1,2,3-Trichlorobenzene	23.34	180	1397	0.87527	ppb	#	83

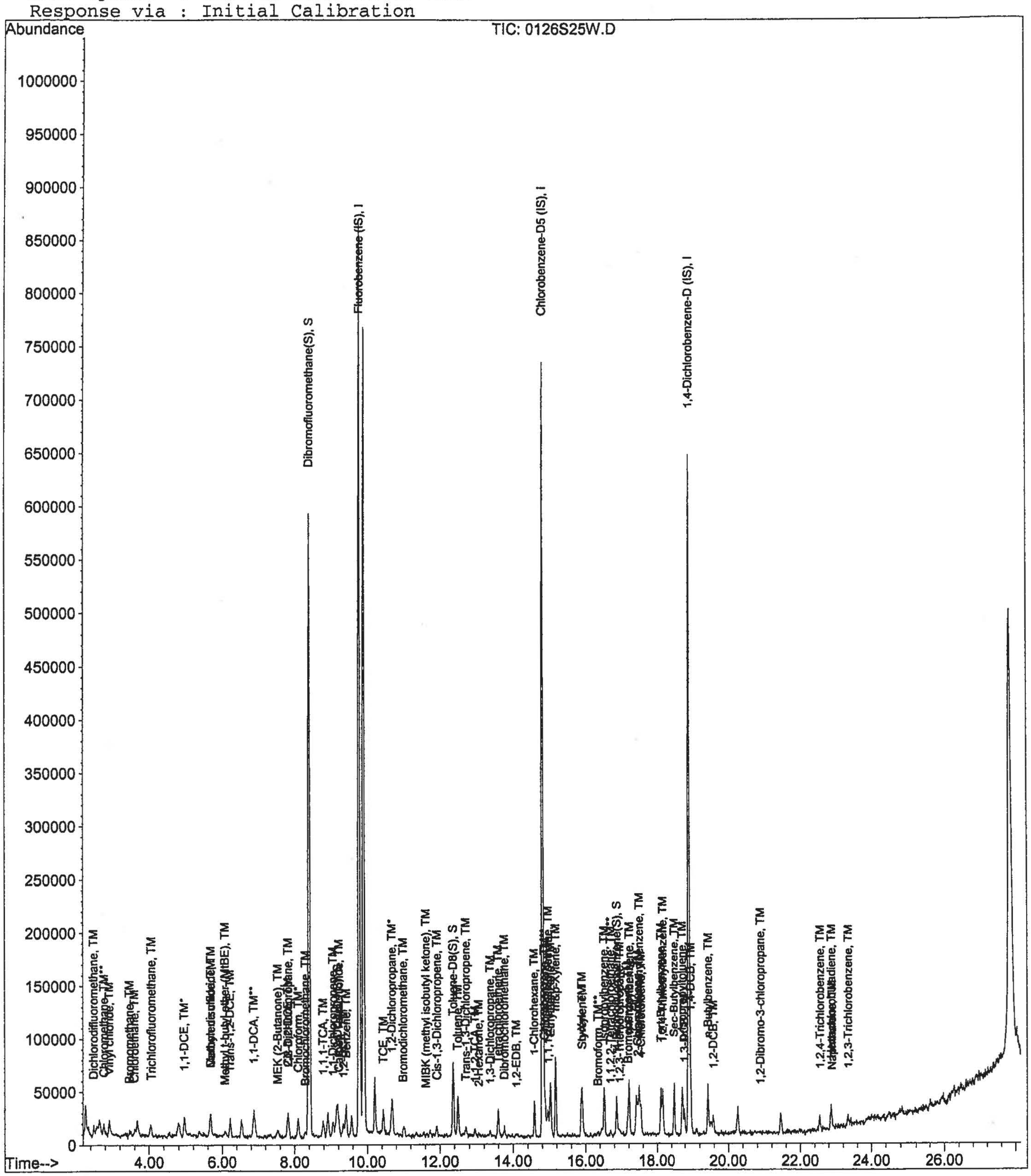
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S25W.D Vial: 25
Acq On : 27 Jan 11 1:27 Operator: GM
Sample : Vol Std 01-26-11@1.0ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S26W.D Vial: 26
Acq On : 27 Jan 11 2:03 Operator: GM
Sample : Vol Std 01-26-11@5.0ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.78	96	435648	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	14.81	117	265472	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	122848	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.41	111	86065	9.94335 ppb		0.00
Spiked Amount 22.854			Recovery =	43.508%		
23) 1,2-DCA-D4(S)	9.18	65	46026	9.33654 ppb		0.00
Spiked Amount 21.589			Recovery =	43.249%		
36) Toluene-D8(S)	12.36	98	374384	9.91432 ppb		0.00
Spiked Amount 25.102			Recovery =	39.495%		
44) 4-Bromofluorobenzene(S)	16.85	95	94759	10.27483 ppb		0.00
Spiked Amount 25.458			Recovery =	40.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.48	85	63334	4.94531 ppb		98
3) Chloromethane	2.75	50	98406	4.99294 ppb		95
4) Vinyl chloride	2.92	64	9821	4.85022 ppb		94
5) Bromomethane	3.47	94	12992	4.64282 ppb		94
6) Chloroethane	3.61	64	14226	5.08864 ppb	#	80
7) Trichlorofluoromethane	4.04	101	91796	5.11893 ppb		97
8) Acetone	4.67	43	3862	3.29046 ppb	#	65
9) 1,1-DCE	4.97	96	48508	4.99274 ppb		90
10) Methylene chloride	5.68	84	29446	4.53889 ppb		84
11) Carbon disulfide	5.68	76	206463	5.25487 ppb	#	92
12) Methyl t-butyl ether (MtBE	6.07	73	51971	5.11978 ppb	#	75
13) Trans-1,2-DCE	6.22	96	54448	5.35756 ppb		95
14) 1,1-DCA	6.86	63	94087	5.03565 ppb		97
15) MEK (2-Butanone)	7.53	43	3299	4.30184 ppb	#	89
16) Cis-1,2-DCE	7.83	96	48501	4.94743 ppb		87
17) 2,2-Dichloropropane	7.82	77	88429	5.16296 ppb	#	85
18) Chloroform	8.09	83	80601	4.59612 ppb		82
19) Bromochloromethane	8.29	128	12756	5.00021 ppb		90
21) 1,1,1-TCA	8.78	97	85759	5.20170 ppb		87
22) 1,1-Dichloropropene	9.06	75	78364	5.13904 ppb		91
24) Carbon Tetrachloride	9.20	117	68698	5.12721 ppb		91
25) 1,2-DCA	9.34	62	25262	5.00087 ppb		96
26) Benzene	9.41	78	204259	5.03954 ppb		96
27) TCE	10.44	95	56767	5.00547 ppb		88
28) 1,2-Dichloropropane	10.66	63	40211	4.72123 ppb	#	94
29) Bromodichloromethane	11.00	83	45739	5.24390 ppb	#	81
30) Dibromomethane	11.04	93	13984	4.89804 ppb	#	74
31) Cis-1,3-Dichloropropene	11.91	75	52456	5.00315 ppb		94
32) Toluene	12.49	92	125271	4.90557 ppb		99
33) Trans-1,3-Dichloropropene	12.72	75	32374	4.78139 ppb		91
34) 1,1,2-TCA	12.96	83	15506	5.23138 ppb		81
37) 1,2-EDB	14.10	107	16298	5.15691 ppb	#	92
38) Tetrachloroethene	13.59	164	49510	5.33820 ppb		93
39) 1-Chlorohexane	14.58	91	97778	5.12216 ppb		91
40) 1,1,1,2-Tetrachloroethane	14.96	131	35675	5.26449 ppb		88
41) m&p-Xylene	15.17	106	180705	9.99661 ppb		95
42) o-Xylene	15.88	106	81472	5.14014 ppb		93
43) Styrene	15.91	104	114596	5.13689 ppb		98
45) 2-Hexanone	13.05	58	4652	5.72527 ppb		98

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S26W.D Vial: 26
Acq On : 27 Jan 11 2:03 Operator: GM
Sample : Vol Std 01-26-11@5.0ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.37	76	32103	5.52522	ppb		88
47)	Dibromochloromethane	13.76	129	22503	4.69850	ppb		95
48)	Chlorobenzene	14.88	112	112135	5.15968	ppb		98
49)	Ethylbenzene	15.03	91	258222	5.16021	ppb		98
50)	Bromoform	16.34	173	11087	4.77096	ppb		96
52)	MIBK (methyl isobutyl keto	11.65	43	15511	5.96297	ppb		82
53)	Isopropylbenzene	16.53	105	255724	4.95201	ppb		100
54)	1,1,2,2-Tetrachloroethane	16.70	83	15199	4.76100	ppb	#	45
55)	1,2,3-Trichloropropane	16.92	110	3472	4.75047	ppb		92
56)	Bromobenzene	17.16	156	39640	5.01916	ppb		94
57)	n-Propylbenzene	17.21	91	316918	4.83505	ppb		97
58)	2-Chlorotoluene	17.45	91	179055	4.93971	ppb		93
59)	1,3,5-Trimethylbenzene	17.50	105	194167	4.98525	ppb		93
60)	4-Chlorotoluene	17.54	91	139096	4.67134	ppb		98
61)	Tert-Butylbenzene	18.11	119	212371	5.16750	ppb		99
62)	1,2,4-Trimethylbenzene	18.15	105	176805	4.98362	ppb		88
63)	Sec-Butylbenzene	18.48	105	284243	4.85276	ppb		96
64)	p-Isopropyltoluene	18.73	119	228435	4.92223	ppb		98
65)	1,3-DCB	18.79	146	80875	4.78224	ppb		92
66)	1,4-DCB	18.96	146	74111	4.81613	ppb		98
67)	n-Butylbenzene	19.43	91	199149	4.79002	ppb		99
68)	1,2-DCB	19.59	146	52738	4.41849	ppb	#	87
69)	1,2-Dibromo-3-chloropropan	20.89	75	2253	5.98808	ppb	#	66
70)	1,2,4-Trichlorobenzene	22.53	180	10880	4.33290	ppb		95
71)	Hexachlorobutadiene	22.86	225	12379	4.62425	ppb		95
72)	Naphthalene	22.91	128	10785	4.29184	ppb	#	85
73)	1,2,3-Trichlorobenzene	23.32	180	8024	4.94415	ppb		98

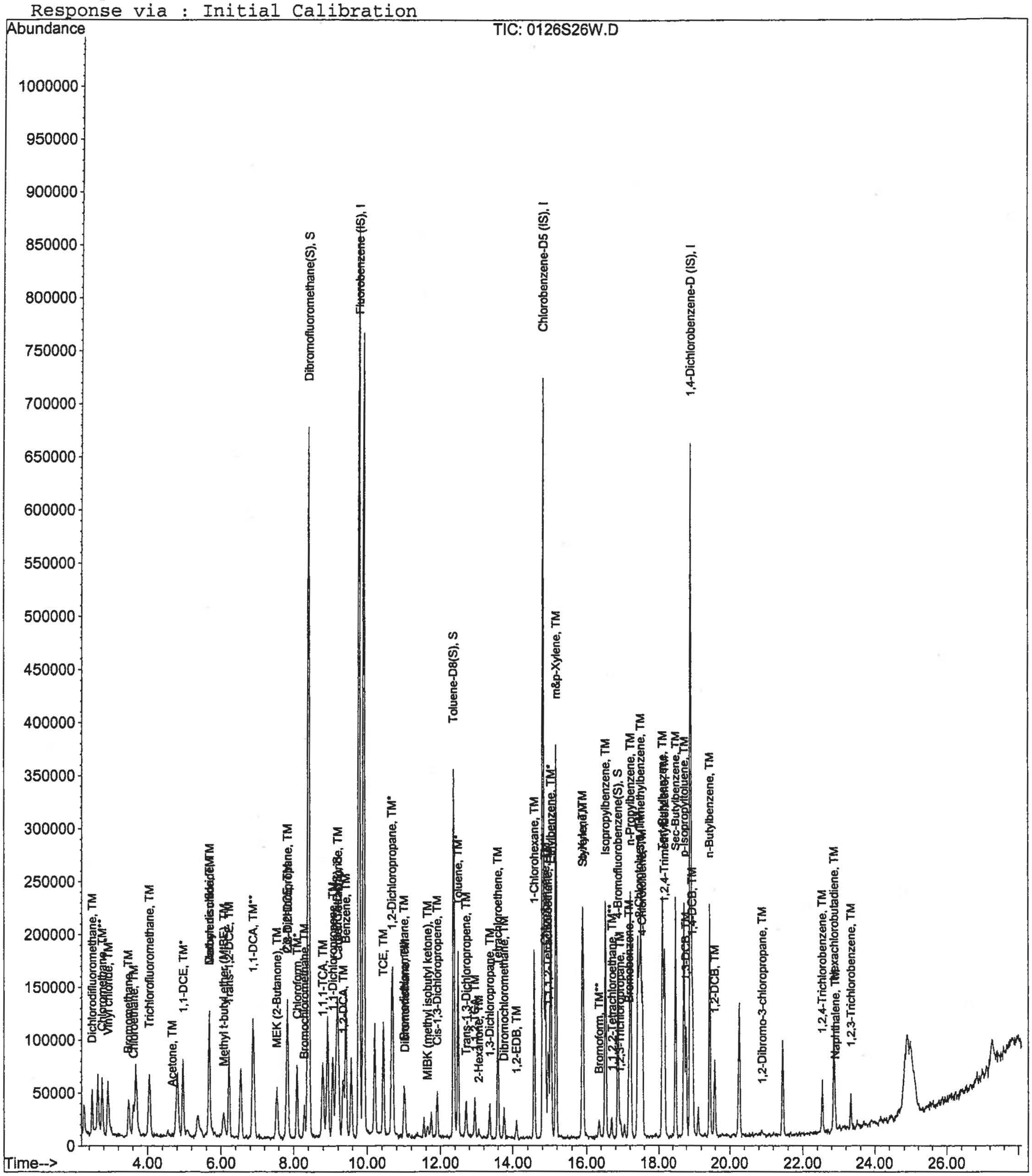
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S26W.D Vial: 26
Acq On : 27 Jan 11 2:03 Operator: GM
Sample : Vol Std 01-26-11@5.0ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S27W.D Vial: 27
Acq On : 27 Jan 11 2:39 Operator: GM
Sample : Vol Std 01-26-11@10ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	457728	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.82	117	292288	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	121352	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.41	111	201546	22.16199 ppb	0.00
Spiked Amount 22.854				Recovery = 96.974%	
23) 1,2-DCA-D4(S)	9.19	65	120489	23.26261 ppb	0.00
Spiked Amount 21.589				Recovery = 107.753%	
36) Toluene-D8(S)	12.36	98	925382	22.25739 ppb	0.00
Spiked Amount 25.102				Recovery = 88.667%	
44) 4-Bromofluorobenzene(S)	16.86	95	225346	22.19278 ppb	0.00
Spiked Amount 25.458				Recovery = 87.173%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.48	85	129579	9.62985 ppb	100
3) Chloromethane	2.76	50	200989	9.70590 ppb	100
4) Vinyl chloride	2.91	64	19192	9.02100 ppb	100
5) Bromomethane	3.47	94	26120	8.88397 ppb	100
6) Chloroethane	3.60	64	29054	9.89130 ppb	100
7) Trichlorofluoromethane	4.05	101	183008	9.71301 ppb	100
8) Acetone	4.65	43	9807	12.48588 ppb	100
9) 1,1-DCE	4.96	96	93866	9.19523 ppb	100
10) Methylene chloride	5.67	84	62994	9.24168 ppb	100
11) Carbon disulfide	5.67	76	399063	9.66696 ppb	100
12) Methyl t-butyl ether (MtBE	6.07	73	110595	10.36941 ppb	100
13) Trans-1,2-DCE	6.22	96	102777	9.62518 ppb	100
14) 1,1-DCA	6.87	63	191799	9.77014 ppb	100
15) MEK (2-Butanone)	7.52	43	7532	10.20361 ppb	100
16) Cis-1,2-DCE	7.83	96	97477	9.46366 ppb	100
17) 2,2-Dichloropropane	7.82	77	172370	9.57842 ppb	100
18) Chloroform	8.10	83	161323	8.75539 ppb	100
19) Bromochloromethane	8.29	128	27253	10.16754 ppb	100
21) 1,1,1-TCA	8.79	97	163748	9.45301 ppb	100
22) 1,1-Dichloropropene	9.05	75	149997	9.36216 ppb	100
24) Carbon Tetrachloride	9.22	117	129274	9.18283 ppb	100
25) 1,2-DCA	9.33	62	52605	9.91135 ppb	100
26) Benzene	9.42	78	399068	9.37097 ppb	100
27) TCE	10.44	95	114355	9.59693 ppb	100
28) 1,2-Dichloropropane	10.68	63	84417	9.43341 ppb	100
29) Bromodichloromethane	11.01	83	87473	9.54487 ppb	100
30) Dibromomethane	11.04	93	27456	9.54419 ppb	100
31) Cis-1,3-Dichloropropene	11.91	75	105250	9.55429 ppb	100
32) Toluene	12.49	92	260267	9.70032 ppb	100
33) Trans-1,3-Dichloropropene	12.72	75	66713	9.37770 ppb	100
34) 1,1,2-TCA	12.96	83	30427	9.77020 ppb	100
37) 1,2-EDB	14.11	107	31740	9.12157 ppb	100
38) Tetrachloroethene	13.60	164	94569	9.26101 ppb	100
39) 1-Chlorohexane	14.59	91	188958	8.99053 ppb	100
40) 1,1,1,2-Tetrachloroethane	14.95	131	76922	10.30981 ppb	100
41) m&p-Xylene	15.17	106	372761	18.72927 ppb	100
42) o-Xylene	15.89	106	159266	9.12635 ppb	100
43) Styrene	15.91	104	237322	9.66221 ppb	100
45) 2-Hexanone	13.07	58	9618	10.75100 ppb	100

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S27W.D Vial: 27
Acq On : 27 Jan 11 2:39 Operator: GM
Sample : Vol Std 01-26-11@10ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	1,3-Dichloropropane	13.36	76	62205	9.72383	ppb	100
47)	Dibromochloromethane	13.77	129	49475	9.38237	ppb	100
48)	Chlorobenzene	14.88	112	218705	9.14004	ppb	100
49)	Ethylbenzene	15.02	91	514379	9.33609	ppb	100
50)	Bromoform	16.35	173	26395	10.31622	ppb	100
52)	MIBK (methyl isobutyl keto	11.64	43	27386	10.65791	ppb	100
53)	Isopropylbenzene	16.52	105	517660	10.14790	ppb	100
54)	1,1,2,2-Tetrachloroethane	16.70	83	36255	11.49667	ppb	100
55)	1,2,3-Trichloropropane	16.93	110	8781	12.16248	ppb	100
56)	Bromobenzene	17.17	156	82624	10.59070	ppb	100
57)	n-Propylbenzene	17.22	91	639757	9.88076	ppb	100
58)	2-Chlorotoluene	17.46	91	369220	10.31149	ppb	100
59)	1,3,5-Trimethylbenzene	17.49	105	392061	10.19028	ppb	100
60)	4-Chlorotoluene	17.54	91	290669	9.88205	ppb	100
61)	Tert-Butylbenzene	18.11	119	411103	10.12645	ppb	100
62)	1,2,4-Trimethylbenzene	18.16	105	348868	9.95481	ppb	100
63)	Sec-Butylbenzene	18.49	105	561117	9.69780	ppb	100
64)	p-Isopropyltoluene	18.73	119	444665	9.69960	ppb	100
65)	1,3-DCB	18.79	146	168057	10.05994	ppb	100
66)	1,4-DCB	18.97	146	155932	10.25822	ppb	100
67)	n-Butylbenzene	19.44	91	403437	9.82328	ppb	100
68)	1,2-DCB	19.58	146	118449	10.04621	ppb	100
69)	1,2-Dibromo-3-chloropropan	20.88	75	3666	9.86371	ppb	100
70)	1,2,4-Trichlorobenzene	22.54	180	24728	9.96918	ppb	100
71)	Hexachlorobutadiene	22.87	225	24960	9.43890	ppb	100
72)	Naphthalene	22.89	128	25440	10.24852	ppb	100
73)	1,2,3-Trichlorobenzene	23.33	180	19568	12.20586	ppb	100

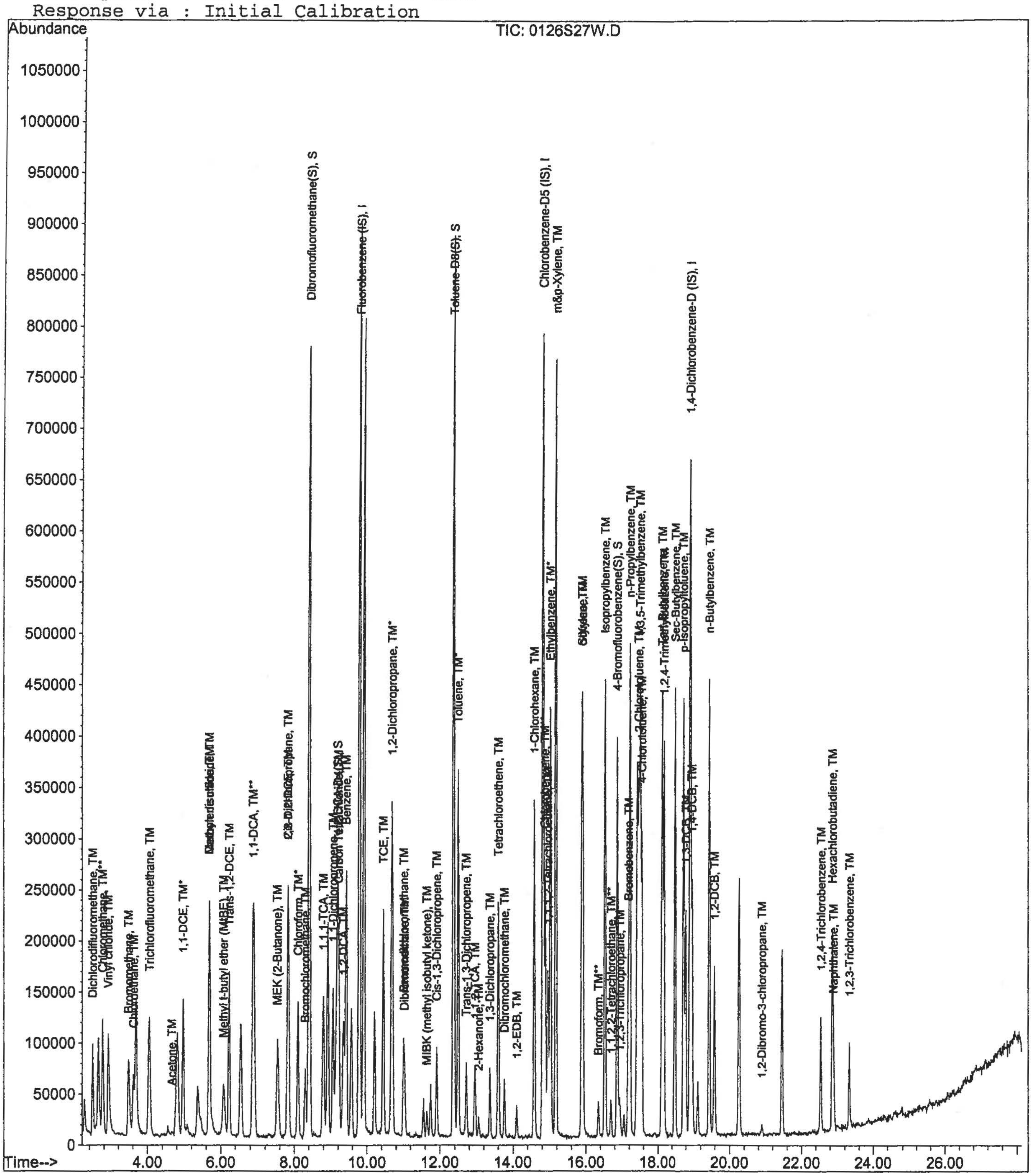
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S27W.D Vial: 27
Acq On : 27 Jan 11 2:39 Operator: GM
Sample : Vol Std 01-26-11@10ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S28W.D Vial: 28
Acq On : 27 Jan 11 3:15 Operator: GM
Sample : Vol Std 01-26-11@20ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.78	96	447360	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	14.81	117	277120	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	126024	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.41	111	326059	36.68437 ppb		0.00
Spiked Amount 22.854			Recovery	= 160.518%		
23) 1,2-DCA-D4(S)	9.18	65	197227	38.96078 ppb		0.00
Spiked Amount 21.589			Recovery	= 180.466%		
36) Toluene-D8(S)	12.37	98	1451429	36.82070 ppb		0.00
Spiked Amount 25.102			Recovery	= 146.687%		
44) 4-Bromofluorobenzene(S)	16.86	95	369087	38.33837 ppb		0.00
Spiked Amount 25.458			Recovery	= 150.591%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.48	85	234542	17.83429 ppb		91
3) Chloromethane	2.76	50	363459	17.95846 ppb		97
4) Vinyl chloride	2.91	64	32032	15.40525 ppb		100
5) Bromomethane	3.47	94	53896	18.75602 ppb		86
6) Chloroethane	3.61	64	52390	18.24929 ppb		95
7) Trichlorofluoromethane	4.04	101	339514	18.43706 ppb		97
8) Acetone	4.66	43	14938	21.24617 ppb	#	51
9) 1,1-DCE	4.97	96	190871	19.13130 ppb		100
10) Methylene chloride	5.68	84	122890	18.44670 ppb	#	80
11) Carbon disulfide	5.68	76	808240	20.03267 ppb		99
12) Methyl t-butyl ether (MtBE	6.08	73	212309	20.36748 ppb	#	86
13) Trans-1,2-DCE	6.23	96	207820	19.91365 ppb		91
14) 1,1-DCA	6.86	63	383277	19.97642 ppb		99
15) MEK (2-Butanone)	7.53	43	14511	20.10117 ppb	#	83
16) Cis-1,2-DCE	7.83	96	198300	19.69836 ppb		90
17) 2,2-Dichloropropane	7.83	77	353024	20.07181 ppb		99
18) Chloroform	8.10	83	310567	17.24586 ppb		97
19) Bromochloromethane	8.30	128	50805	19.39360 ppb		95
21) 1,1,1-TCA	8.80	97	323309	19.09686 ppb		94
22) 1,1-Dichloropropene	9.06	75	302468	19.31627 ppb		91
24) Carbon Tetrachloride	9.21	117	268546	19.51795 ppb		95
25) 1,2-DCA	9.34	62	106729	20.57494 ppb		99
26) Benzene	9.42	78	797824	19.16881 ppb		99
27) TCE	10.44	95	224170	19.24885 ppb		95
28) 1,2-Dichloropropane	10.66	63	171434	19.60136 ppb		98
29) Bromodichloromethane	11.01	83	175960	19.64537 ppb		93
30) Dibromomethane	11.04	93	51317	18.66315 ppb	#	76
31) Cis-1,3-Dichloropropene	11.91	75	207523	19.27493 ppb		95
32) Toluene	12.49	92	507634	19.35834 ppb		97
33) Trans-1,3-Dichloropropene	12.72	75	140419	20.19584 ppb		97
34) 1,1,2-TCA	12.96	83	60675	19.93447 ppb		91
37) 1,2-EDB	14.11	107	64427	19.52871 ppb	#	94
38) Tetrachloroethene	13.59	164	184302	19.03631 ppb		89
39) 1-Chlorohexane	14.59	91	379533	19.04638 ppb		95
40) 1,1,1,2-Tetrachloroethane	14.96	131	144490	20.42589 ppb		94
41) m&p-Xylene	15.17	106	699205	37.05424 ppb		94
42) o-Xylene	15.88	106	326012	19.70384 ppb		95
43) Styrene	15.91	104	462362	19.85472 ppb		99
45) 2-Hexanone	13.06	58	15989	18.85075 ppb	#	56

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

Data File : M:\SWEETPEA\DATA\S110126\0126S28W.D Vial: 28
Acq On : 27 Jan 11 3:15 Operator: GM
Sample : Vol Std 01-26-11@20ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,3-Dichloropropane	13.37	76	123596	20.37790 ppb		98
47) Dibromochloromethane	13.76	129	103642	20.73029 ppb		85
48) Chlorobenzene	14.88	112	444072	19.57429 ppb		97
49) Ethylbenzene	15.03	91	995118	19.05019 ppb		99
50) Bromoform	16.34	173	48878	20.14910 ppb		91
52) MIBK (methyl isobutyl keto	11.65	43	51577	19.32829 ppb		98
53) Isopropylbenzene	16.52	105	1009014	19.04681 ppb		97
54) 1,1,2,2-Tetrachloroethane	16.69	83	67905	20.73478 ppb	#	74
55) 1,2,3-Trichloropropane	16.93	110	14509	19.35126 ppb		95
56) Bromobenzene	17.17	156	159753	19.71791 ppb		92
57) n-Propylbenzene	17.21	91	1264348	18.80336 ppb		95
58) 2-Chlorotoluene	17.45	91	705567	18.97440 ppb		99
59) 1,3,5-Trimethylbenzene	17.50	105	757325	18.95432 ppb		96
60) 4-Chlorotoluene	17.55	91	587088	19.21963 ppb		100
61) Tert-Butylbenzene	18.11	119	793297	18.81638 ppb		93
62) 1,2,4-Trimethylbenzene	18.15	105	673894	18.51642 ppb		98
63) Sec-Butylbenzene	18.48	105	1105525	18.39849 ppb		99
64) p-Isopropyltoluene	18.73	119	866729	18.20530 ppb		99
65) 1,3-DCB	18.79	146	330377	19.04330 ppb		94
66) 1,4-DCB	18.96	146	304280	19.27542 ppb		96
67) n-Butylbenzene	19.43	91	774129	18.15047 ppb		98
68) 1,2-DCB	19.58	146	236914	19.34886 ppb		91
69) 1,2-Dibromo-3-chloropropan	20.89	75	6700	17.35866 ppb	#	64
70) 1,2,4-Trichlorobenzene	22.53	180	50208	19.49114 ppb		91
71) Hexachlorobutadiene	22.86	225	50960	18.55665 ppb		95
72) Naphthalene	22.90	128	53560	20.77679 ppb		93
73) 1,2,3-Trichlorobenzene	23.32	180	32992	19.81638 ppb	#	81

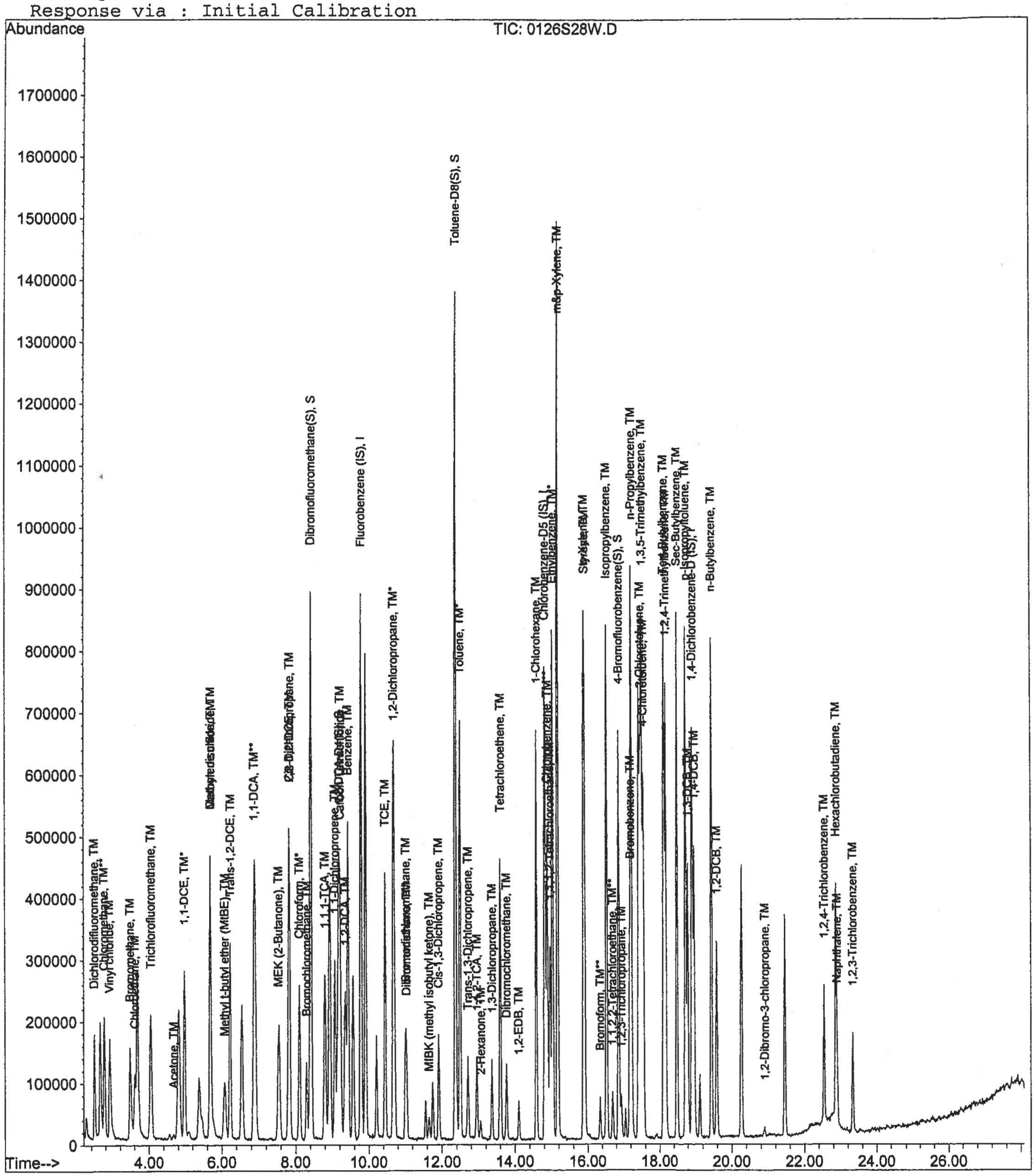
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S28W.D Vial: 28
Acq On : 27 Jan 11 3:15 Operator: GM
Sample : Vol Std 01-26-11@20ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S29W.D Vial: 29
Acq On : 27 Jan 11 3:51 Operator: GM
Sample : Vol Std 01-26-11@40ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	422720	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	270400	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	131712	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.41	111	656687	78.18937 ppb	0.00
Spiked Amount 22.854				Recovery = 342.131%	
23) 1,2-DCA-D4(S)	9.18	65	405665	84.80729 ppb	0.00
Spiked Amount 21.589				Recovery = 392.823%	
36) Toluene-D8(S)	12.37	98	2933554	76.26962 ppb	0.00
Spiked Amount 25.102				Recovery = 303.844%	
44) 4-Bromofluorobenzene(S)	16.86	95	736701	78.42551 ppb	0.00
Spiked Amount 25.458				Recovery = 308.055%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.48	85	530201	42.66582 ppb		95
3) Chloromethane	2.75	50	744940	38.95286 ppb		91
4) Vinyl chloride	2.91	64	55232	28.11123 ppb		91
5) Bromomethane	3.47	94	119216	43.90592 ppb		96
6) Chloroethane	3.61	64	104842	38.64891 ppb	#	83
7) Trichlorofluoromethane	4.04	101	723489	41.57863 ppb		98
8) Acetone	4.66	43	28093	45.45379 ppb	#	89
9) 1,1-DCE	4.97	96	372378	39.49962 ppb		97
10) Methylene chloride	5.67	84	249351	39.61117 ppb		89
11) Carbon disulfide	5.68	76	1601152	41.99867 ppb		99
12) Methyl t-butyl ether (MtBE	6.07	73	434284	44.09072 ppb		93
13) Trans-1,2-DCE	6.23	96	403808	40.94895 ppb		95
14) 1,1-DCA	6.87	63	769593	42.44928 ppb		95
15) MEK (2-Butanone)	7.53	43	29014	39.97631 ppb	#	88
16) Cis-1,2-DCE	7.83	96	389717	40.96954 ppb		98
17) 2,2-Dichloropropane	7.81	77	670461	40.34226 ppb		97
18) Chloroform	8.10	83	613085	36.02920 ppb		96
19) Bromochloromethane	8.30	128	103791	41.92914 ppb		93
21) 1,1,1-TCA	8.79	97	650852	40.68468 ppb		96
22) 1,1-Dichloropropene	9.07	75	596662	40.32520 ppb		97
24) Carbon Tetrachloride	9.22	117	551308	42.40472 ppb		99
25) 1,2-DCA	9.34	62	222667	45.42725 ppb		99
26) Benzene	9.41	78	1596065	40.58289 ppb		98
27) TCE	10.44	95	436829	39.69567 ppb		96
28) 1,2-Dichloropropane	10.67	63	328432	39.74102 ppb		99
29) Bromodichloromethane	11.01	83	356711	42.14705 ppb		87
30) Dibromomethane	11.04	93	109365	42.65821 ppb		83
31) Cis-1,3-Dichloropropene	11.92	75	413607	40.65546 ppb		95
32) Toluene	12.49	92	954394	38.51673 ppb		91
33) Trans-1,3-Dichloropropene	12.71	75	272753	41.51547 ppb		99
34) 1,1,2-TCA	12.95	83	132070	45.92016 ppb		95
37) 1,2-EDB	14.11	107	128096	39.79261 ppb		86
38) Tetrachloroethene	13.60	164	363138	38.44020 ppb		95
39) 1-Chlorohexane	14.59	91	734462	37.77404 ppb		97
40) 1,1,1,2-Tetrachloroethane	14.96	131	292343	42.35426 ppb		88
41) m&p-Xylene	15.17	106	1443784	78.41458 ppb		95
42) o-Xylene	15.88	106	643266	39.84456 ppb		97
43) Styrene	15.91	104	915748	40.30127 ppb		98
45) 2-Hexanone	13.06	58	37521	45.33596 ppb		92

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S29W.D   Vial: 29
Acq On : 27 Jan 11 3:51   Operator: GM
Sample : Vol Std 01-26-11@40ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 10 13:46 2011   Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc Unit			Qvalue
46)	1,3-Dichloropropane	13.37	76	250284	42.29112	ppb		98
47)	Dibromochloromethane	13.76	129	197292	40.44272	ppb		91
48)	Chlorobenzene	14.88	112	886374	40.04155	ppb		96
49)	Ethylbenzene	15.02	91	1963548	38.52365	ppb		96
50)	Bromoform	16.35	173	99728	42.13281	ppb		95
52)	MIBK (methyl isobutyl keto	11.65	43	108034	38.73697	ppb		90
53)	Isopropylbenzene	16.53	105	1991926	35.97711	ppb		99
54)	1,1,2,2-Tetrachloroethane	16.69	83	139254	40.68491	ppb	#	80
55)	1,2,3-Trichloropropane	16.94	110	29142	37.18938	ppb		73
56)	Bromobenzene	17.17	156	315509	37.26075	ppb		94
57)	n-Propylbenzene	17.21	91	2422424	34.47045	ppb		95
58)	2-Chlorotoluene	17.45	91	1393144	35.84708	ppb		96
59)	1,3,5-Trimethylbenzene	17.50	105	1483531	35.52634	ppb		96
60)	4-Chlorotoluene	17.55	91	1159094	36.30684	ppb		100
61)	Tert-Butylbenzene	18.10	119	1581988	35.90305	ppb		97
62)	1,2,4-Trimethylbenzene	18.16	105	1347391	35.42313	ppb		98
63)	Sec-Butylbenzene	18.49	105	2150193	34.23883	ppb		98
64)	p-Isopropyltoluene	18.73	119	1753191	35.23479	ppb		99
65)	1,3-DCB	18.79	146	653497	36.04158	ppb		96
66)	1,4-DCB	18.96	146	603060	36.55264	ppb		97
67)	n-Butylbenzene	19.44	91	1521310	34.12873	ppb		99
68)	1,2-DCB	19.59	146	471199	36.82111	ppb		89
69)	1,2-Dibromo-3-chloropropan	20.89	75	14771	36.61670	ppb	#	79
70)	1,2,4-Trichlorobenzene	22.53	180	97408	36.18152	ppb		98
71)	Hexachlorobutadiene	22.86	225	98392	34.28135	ppb		97
72)	Naphthalene	22.90	128	112672	41.81979	ppb	#	92
73)	1,2,3-Trichlorobenzene	23.33	180	68696	39.47980	ppb	#	75

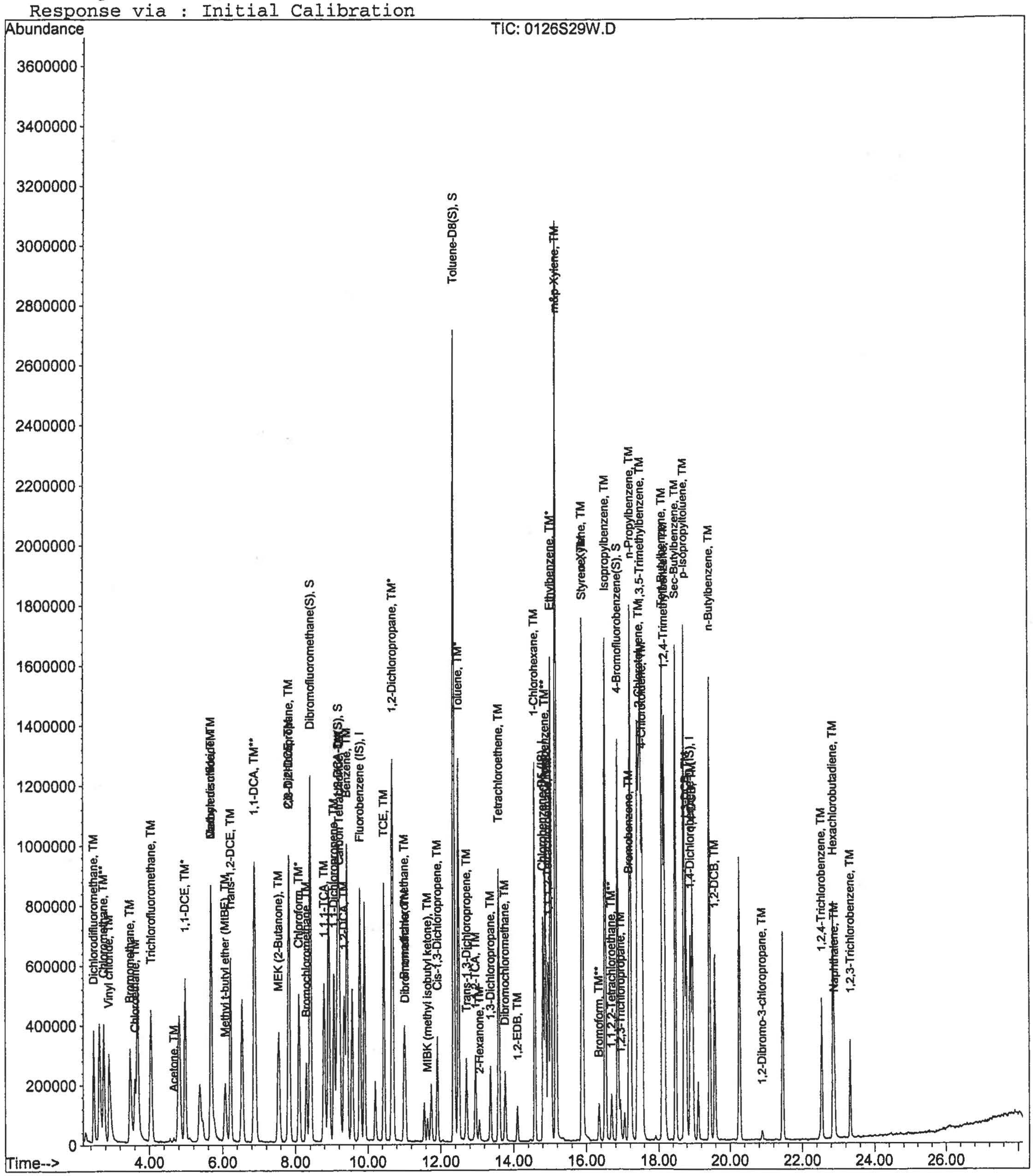
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S29W.D Vial: 29
Acq On : 27 Jan 11 3:51 Operator: GM
Sample : Vol Std 01-26-11@40ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:46 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S30W.D Vial: 30
Acq On : 27 Jan 11 4:28 Operator: GM
Sample : Vol Std 01-26-11@100ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:47 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.78	96	447424	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	14.81	117	277824	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	123320	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.41	111	905647	101.87831 ppb		0.00
Spiked Amount 22.854			Recovery	= 445.787%		
23) 1,2-DCA-D4(S)	9.18	65	527251	104.13977 ppb		0.00
Spiked Amount 21.589			Recovery	= 482.373%		
36) Toluene-D8(S)	12.37	98	4028462	101.93743 ppb		0.00
Spiked Amount 25.102			Recovery	= 406.096%		
44) 4-Bromofluorobenzene(S)	16.86	95	998062	103.40953 ppb		0.00
Spiked Amount 25.458			Recovery	= 406.192%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.48	85	1335695	101.55012 ppb		93
3) Chloromethane	2.75	50	1945218	96.09922 ppb		93
4) Vinyl chloride	2.90	64	162944	78.35396 ppb		81
5) Bromomethane	3.47	94	303424	105.57766 ppb		94
6) Chloroethane	3.60	64	263480	91.76628 ppb		86
7) Trichlorofluoromethane	4.05	101	1858288	100.89853 ppb		99
8) Acetone	4.66	43	61626	97.63560 ppb		96
9) 1,1-DCE	4.97	96	979801	98.19294 ppb		93
10) Methylene chloride	5.67	84	630499	94.62906 ppb		95
11) Carbon disulfide	5.69	76	4140135	102.60085 ppb		99
12) Methyl t-butyl ether (MtBE	6.07	73	1044029	100.14273 ppb	#	89
13) Trans-1,2-DCE	6.23	96	995933	95.41825 ppb		92
14) 1,1-DCA	6.86	63	1873990	97.65848 ppb		98
15) MEK (2-Butanone)	7.52	43	61389	71.46180 ppb	#	83
16) Cis-1,2-DCE	7.84	96	978966	97.23281 ppb		96
17) 2,2-Dichloropropane	7.83	77	1679119	95.45566 ppb		93
18) Chloroform	8.10	83	1531393	85.02646 ppb		98
19) Bromochloromethane	8.30	128	265892	101.48342 ppb		96
21) 1,1,1-TCA	8.79	97	1687905	99.68508 ppb		98
22) 1,1-Dichloropropene	9.06	75	1548252	98.86063 ppb		93
24) Carbon Tetrachloride	9.22	117	1407438	102.27811 ppb		99
25) 1,2-DCA	9.33	62	531792	102.50284 ppb		98
26) Benzene	9.42	78	4026052	96.71756 ppb		97
27) TCE	10.44	95	1145913	98.38226 ppb		97
28) 1,2-Dichloropropane	10.67	63	811375	92.75744 ppb		100
29) Bromodichloromethane	11.01	83	892628	99.64482 ppb		91
30) Dibromomethane	11.04	93	275961	102.31986 ppb	#	79
31) Cis-1,3-Dichloropropene	11.92	75	1023178	95.02015 ppb		89
32) Toluene	12.49	92	2494752	95.12235 ppb		98
33) Trans-1,3-Dichloropropene	12.72	75	682599	98.16115 ppb		97
34) 1,1,2-TCA	12.96	83	316981	104.12761 ppb		91
37) 1,2-EDB	14.11	107	318717	96.36272 ppb		95
38) Tetrachloroethene	13.60	164	929823	95.79684 ppb		93
39) 1-Chlorohexane	14.59	91	1920444	96.13083 ppb		96
40) 1,1,1,2-Tetrachloroethane	14.96	131	725420	102.28945 ppb		89
41) m&p-Xylene	15.17	106	3678611	194.45333 ppb		91
42) o-Xylene	15.88	106	1594030	96.09745 ppb		98
43) Styrene	15.91	104	2282021	97.74607 ppb		100
45) 2-Hexanone	13.06	58	93157	109.55214 ppb		88

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S30W.D   Vial: 30
Acq On : 27 Jan 11 4:28   Operator: GM
Sample : Vol Std 01-26-11@100ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 10 13:47 2011   Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

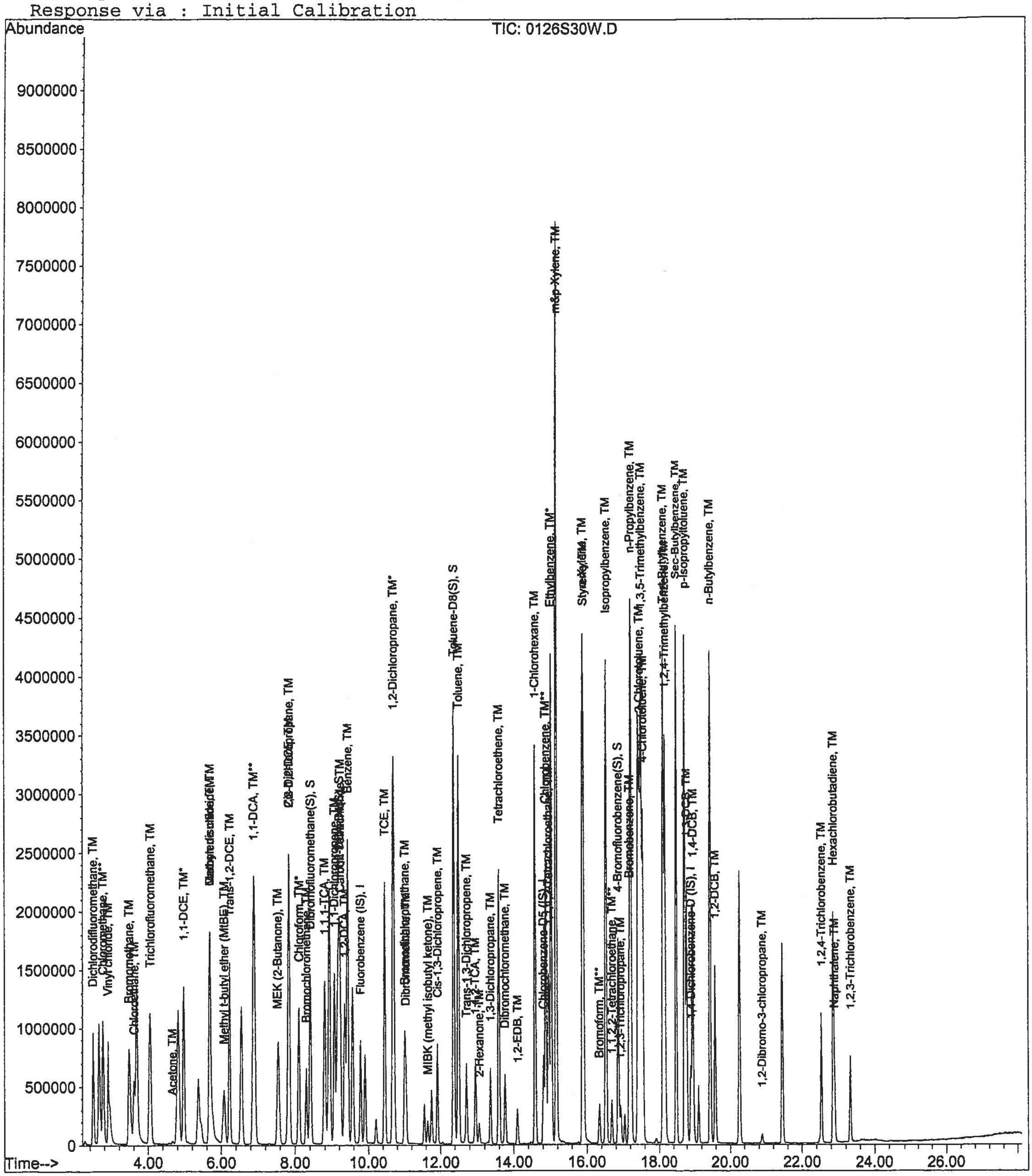
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,3-Dichloropropane	13.37	76	625495	102.86720 ppb		96
47)	Dibromochloromethane	13.77	129	514272	102.60314 ppb		89
48)	Chlorobenzene	14.88	112	2203410	96.87821 ppb		99
49)	Ethylbenzene	15.03	91	5053587	96.49894 ppb		98
50)	Bromoform	16.34	173	248246	102.07574 ppb		95
52)	MIBK (methyl isobutyl keto	11.65	43	243958	93.42694 ppb		93
53)	Isopropylbenzene	16.53	105	5001326	96.47840 ppb		98
54)	1,1,2,2-Tetrachloroethane	16.69	83	320036	99.86569 ppb	#	69
55)	1,2,3-Trichloropropane	16.93	110	74085	100.97683 ppb		95
56)	Bromobenzene	17.17	156	779525	98.32450 ppb		98
57)	n-Propylbenzene	17.21	91	6334239	96.26826 ppb		93
58)	2-Chlorotoluene	17.45	91	3530245	97.01847 ppb		98
59)	1,3,5-Trimethylbenzene	17.50	105	3689135	94.35615 ppb		98
60)	4-Chlorotoluene	17.55	91	2857241	95.58912 ppb		98
61)	Tert-Butylbenzene	18.11	119	4017080	97.37119 ppb		97
62)	1,2,4-Trimethylbenzene	18.15	105	3303845	92.76940 ppb		91
63)	Sec-Butylbenzene	18.48	105	5691824	96.80211 ppb		99
64)	p-Isopropyltoluene	18.73	119	4539039	97.43123 ppb		100
65)	1,3-DCB	18.79	146	1595595	93.98851 ppb		95
66)	1,4-DCB	18.96	146	1414926	91.59755 ppb		98
67)	n-Butylbenzene	19.43	91	3966086	95.02903 ppb		97
68)	1,2-DCB	19.58	146	1110690	92.69946 ppb		92
69)	1,2-Dibromo-3-chloropropan	20.89	75	35875	94.98456 ppb	#	42
70)	1,2,4-Trichlorobenzene	22.53	180	230080	91.27731 ppb		96
71)	Hexachlorobutadiene	22.86	225	265536	98.81285 ppb		96
72)	Naphthalene	22.90	128	256192	101.56012 ppb		95
73)	1,2,3-Trichlorobenzene	23.33	180	155456	95.42075 ppb	#	80

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S30W.D Vial: 30
Acq On : 27 Jan 11 4:28 Operator: GM
Sample : Vol Std 01-26-11@100ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:47 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S31W.D Vial: 31
Acq On : 27 Jan 11 5:04 Operator: GM
Sample : Vol Std 01-26-11@200ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:47 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	424640	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.82	117	268032	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	118120	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.42	111	1232899	146.13312 ppb	0.01
Spiked Amount 22.854				Recovery = 639.433%	
23) 1,2-DCA-D4(S)	9.19	65	720850	150.01769 ppb	0.00
Spiked Amount 21.589				Recovery = 694.878%	
36) Toluene-D8(S)	12.36	98	5744161	150.66214 ppb	0.00
Spiked Amount 25.102				Recovery = 600.206%	
44) 4-Bromofluorobenzene(S)	16.87	95	1334724	143.34337 ppb	0.01
Spiked Amount 25.458				Recovery = 563.047%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.48	85	2798959	224.21674 ppb		95
3) Chloromethane	2.76	50	4092188	213.01271 ppb		91
4) Vinyl chloride	2.89	64	411985	208.73839 ppb		85
5) Bromomethane	3.47	94	574464	210.61208 ppb		95
6) Chloroethane	3.60	64	510816	187.45557 ppb	#	80
7) Trichlorofluoromethane	4.05	101	3731422	213.47378 ppb		96
8) Acetone	4.65	43	117808	199.90566 ppb	#	78
9) 1,1-DCE	4.97	96	1921899	202.94171 ppb		93
10) Methylene chloride	5.67	84	1194847	188.95170 ppb		93
11) Carbon disulfide	5.69	76	8043997	210.04229 ppb		100
12) Methyl t-butyl ether (MtBE	6.08	73	1965961	198.69188 ppb	#	88
13) Trans-1,2-DCE	6.22	96	1978483	199.72482 ppb		92
14) 1,1-DCA	6.87	63	3685085	202.34319 ppb		97
15) MEK (2-Butanone)	7.52	43	112928	118.71599 ppb	#	80
16) Cis-1,2-DCE	7.83	96	1915179	200.42551 ppb		94
17) 2,2-Dichloropropane	7.82	77	3355329	200.98040 ppb		96
18) Chloroform	8.10	83	2965055	173.45969 ppb		97
19) Bromochloromethane	8.30	128	471388	189.56873 ppb		95
21) 1,1,1-TCA	8.79	97	3330216	207.23014 ppb		97
22) 1,1-Dichloropropene	9.06	75	3080959	207.28411 ppb		95
24) Carbon Tetrachloride	9.22	117	2767859	211.93163 ppb		95
25) 1,2-DCA	9.33	62	1014846	206.10694 ppb		98
26) Benzene	9.42	78	7937677	200.91749 ppb		99
27) TCE	10.45	95	2223912	201.17830 ppb		98
28) 1,2-Dichloropropane	10.67	63	1561207	188.05547 ppb		100
29) Bromodichloromethane	11.01	83	1667649	196.14952 ppb		93
30) Dibromomethane	11.04	93	506955	198.47385 ppb		90
31) Cis-1,3-Dichloropropene	11.91	75	1936871	189.52373 ppb		91
32) Toluene	12.49	92	4943763	198.61462 ppb		95
33) Trans-1,3-Dichloropropene	12.71	75	1260848	191.04474 ppb		99
34) 1,1,2-TCA	12.96	83	588224	203.59814 ppb		89
37) 1,2-EDB	14.11	107	628936	197.10307 ppb		91
38) Tetrachloroethene	13.60	164	1836638	196.13611 ppb		93
39) 1-Chlorohexane	14.59	91	3941080	204.48404 ppb		96
40) 1,1,1,2-Tetrachloroethane	14.95	131	1382044	201.99764 ppb		90
41) m&p-Xylene	15.17	106	7114443	389.81231 ppb		96
42) o-Xylene	15.89	106	2979822	186.20392 ppb		100
43) Styrene	15.91	104	4343034	192.82174 ppb		96
45) 2-Hexanone	13.06	58	161497	196.85794 ppb		81

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

Quantitation Report (Not Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110126\0126S31W.D          Vial: 31
Acq On    : 27 Jan 11   5:04                         Operator: GM
Sample    : Vol Std 01-26-11@200ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 10 13:47 2011              Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
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Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 1,3-Dichloropropane	13.37	76	1169568	199.37085 ppb		97
47) Dibromochloromethane	13.77	129	968915	200.37179 ppb		95
48) Chlorobenzene	14.88	112	4291550	195.58164 ppb		97
49) Ethylbenzene	15.03	91	10088584	199.68071 ppb		99
50) Bromoform	16.35	173	456076	194.38404 ppb		92
52) MIBK (methyl isobutyl keto	11.64	43	452520	180.92763 ppb		98
53) Isopropylbenzene	16.52	105	10378463	209.02009 ppb		99
54) 1,1,2,2-Tetrachloroethane	16.70	83	602749	196.36499 ppb	#	81
55) 1,2,3-Trichloropropane	16.94	110	135274	192.49340 ppb		84
56) Bromobenzene	17.17	156	1460807	192.36880 ppb		94
57) n-Propylbenzene	17.22	91	12736587	202.09325 ppb		92
58) 2-Chlorotoluene	17.46	91	6852685	196.61671 ppb		98
59) 1,3,5-Trimethylbenzene	17.50	105	7242506	193.39473 ppb		96
60) 4-Chlorotoluene	17.54	91	5436680	189.89147 ppb		98
61) Tert-Butylbenzene	18.11	119	8115886	205.38372 ppb		99
62) 1,2,4-Trimethylbenzene	18.16	105	6537613	191.65244 ppb		92
63) Sec-Butylbenzene	18.49	105	11656708	206.97569 ppb		98
64) p-Isopropyltoluene	18.73	119	9145329	204.94800 ppb		99
65) 1,3-DCB	18.79	146	3046795	187.37231 ppb		98
66) 1,4-DCB	18.97	146	2787263	188.38145 ppb		96
67) n-Butylbenzene	19.44	91	8158196	204.07904 ppb		95
68) 1,2-DCB	19.58	146	2151155	187.44166 ppb		91
69) 1,2-Dibromo-3-chloropropan	20.88	75	63182	174.64837 ppb	#	52
70) 1,2,4-Trichlorobenzene	22.54	180	441600	182.90396 ppb		97
71) Hexachlorobutadiene	22.87	225	506624	196.82753 ppb		95
72) Naphthalene	22.89	128	458496	189.75939 ppb		99
73) 1,2,3-Trichlorobenzene	23.33	180	306880	196.65907 ppb		79

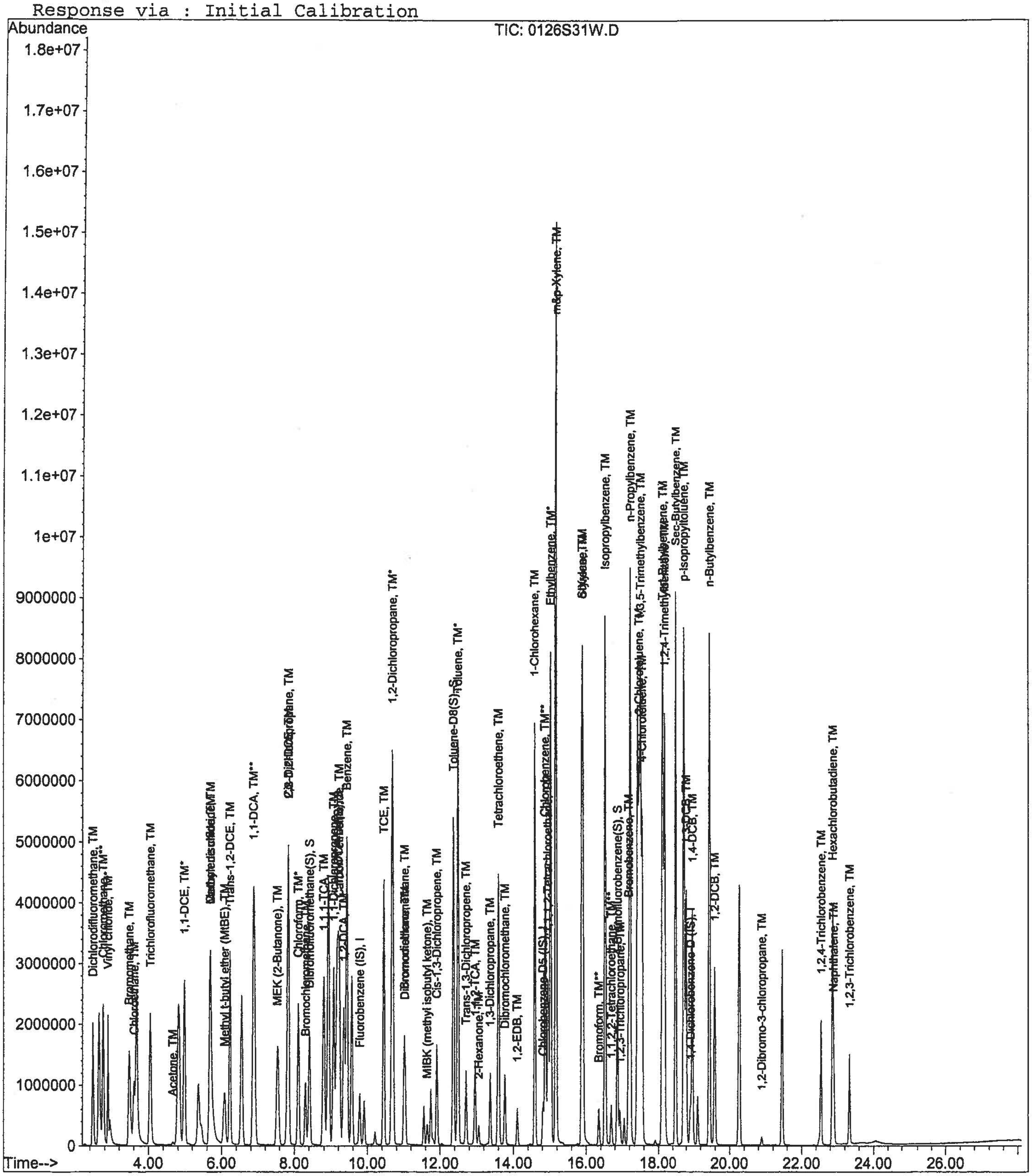
(#) = qualifier out of range (m) = manual integration

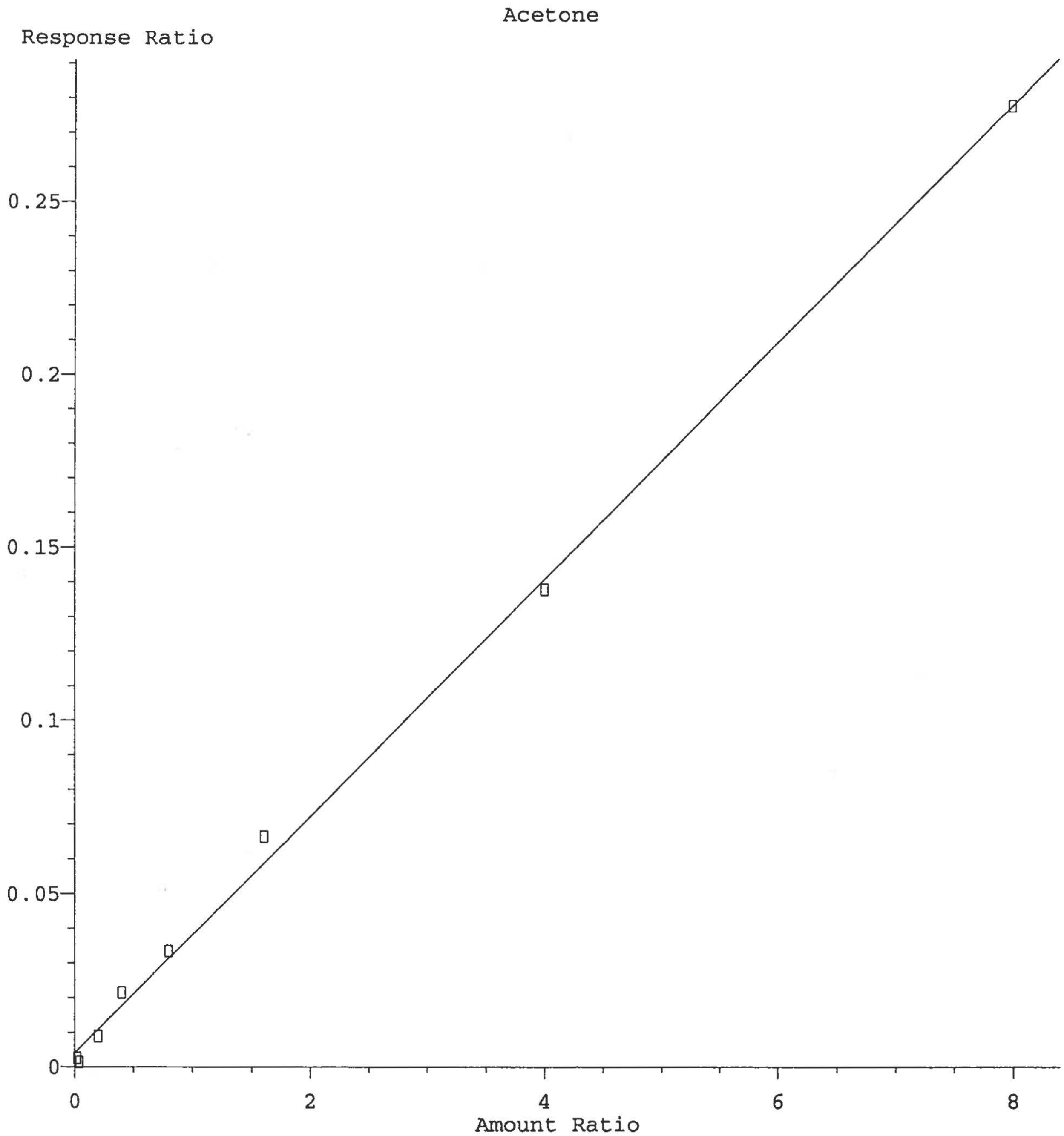
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S31W.D Vial: 31
Acq On : 27 Jan 11 5:04 Operator: GM
Sample : Vol Std 01-26-11@200ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 13:47 2011 Quant Results File: S86DODW.RES

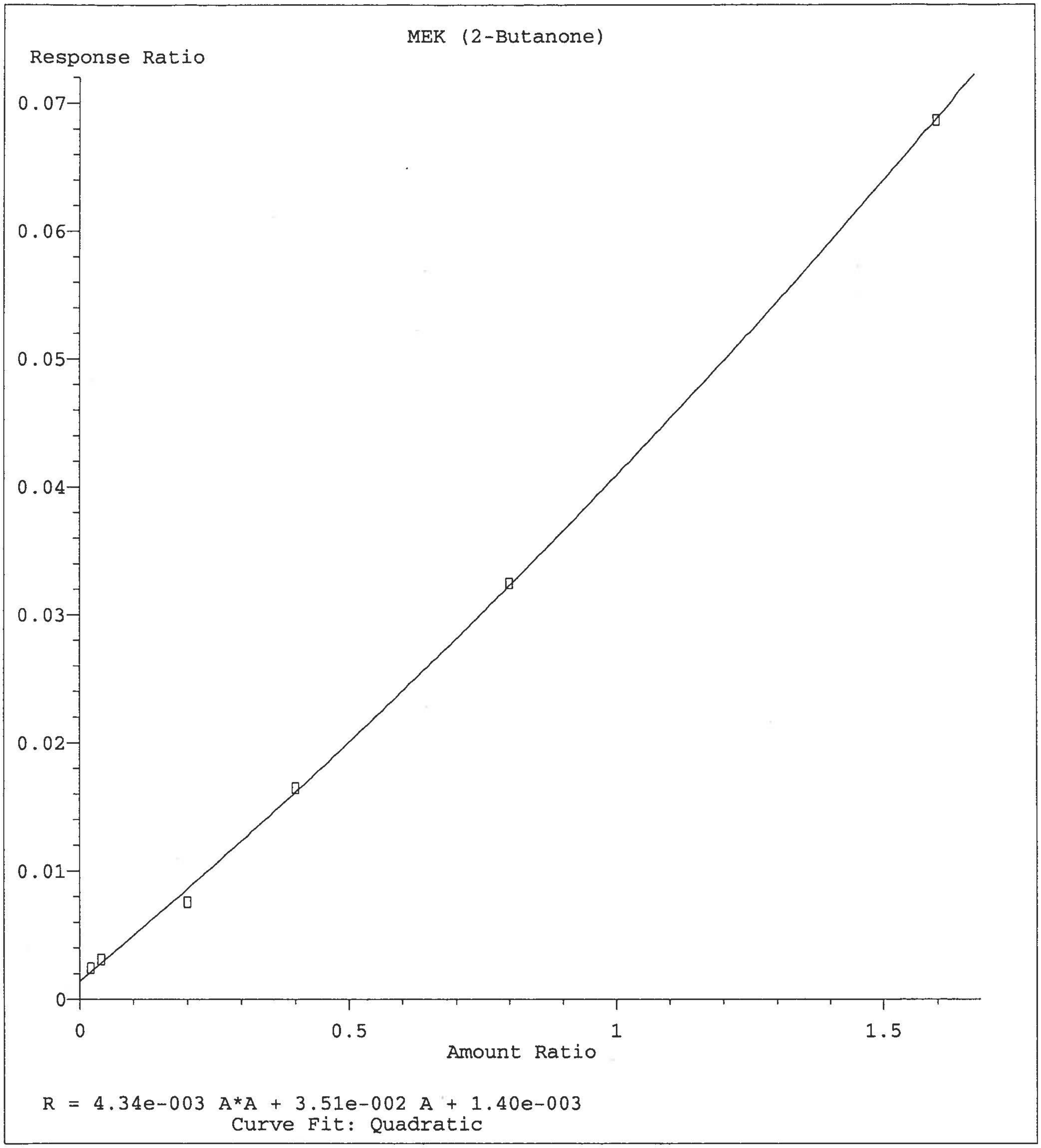
Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



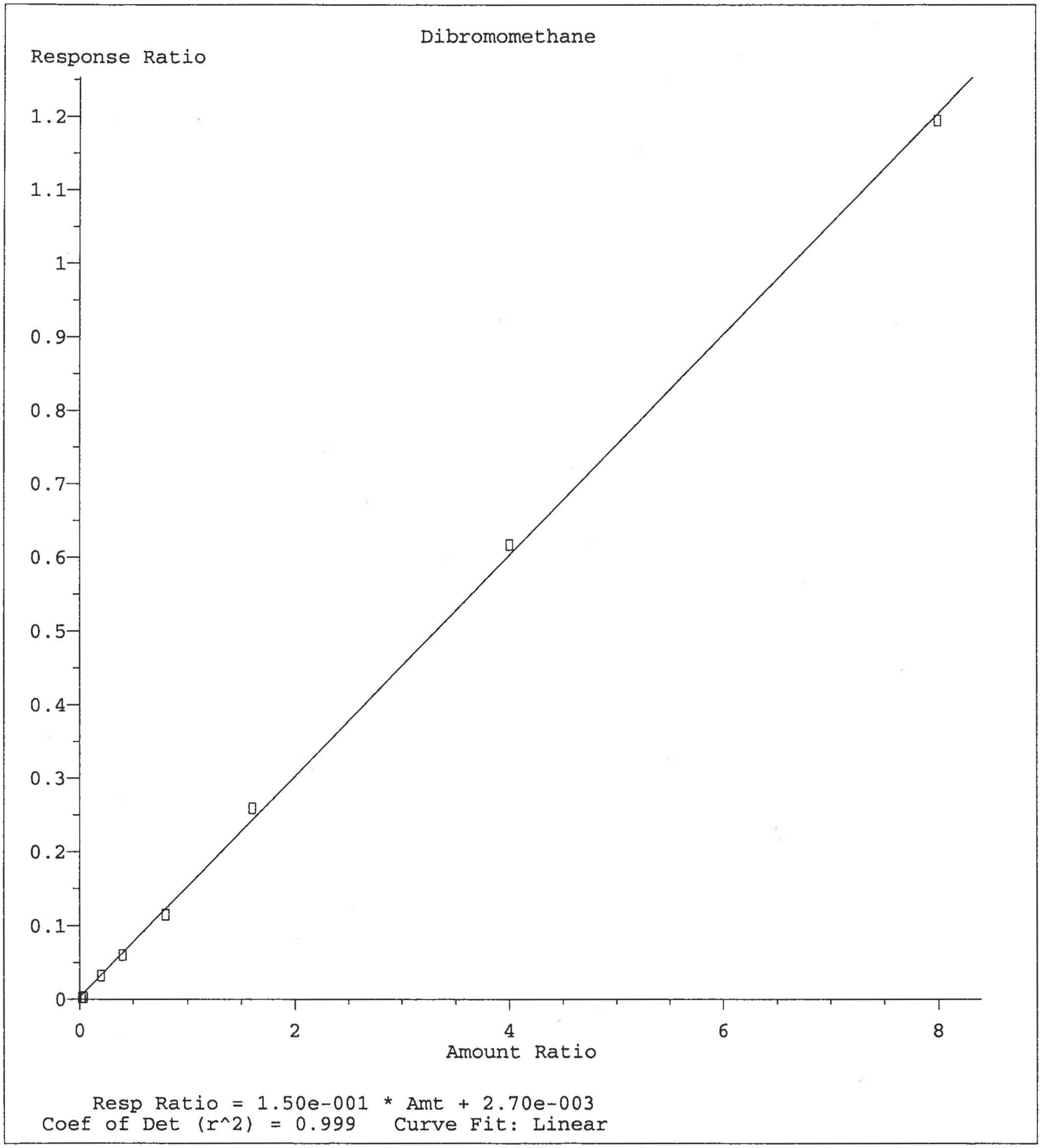


Resp Ratio = 3.41e-002 * Amt + 4.37e-003
Coef of Det (r^2) = 0.998   Curve Fit: Linear

Method Name: M:\SWEETPEA\DATA\S110126\S86DODW.M
Calibration Table Last Updated: Thu Feb 10 13:45:43 2011



Method Name: M:\SWEETPEA\DATA\S110126\S86DODW.M
Calibration Table Last Updated: Thu Feb 10 13:45:43 2011



Method Name: M:\SWEETPEA\DATA\S110126\S86DODW.M
Calibration Table Last Updated: Thu Feb 10 13:45:43 2011

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration/CCV

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

SDG No: 63706
Date Analyzed: 1/27/11
Instrument: Sweetpea
Initial Cal. Date: 1/26/11
Data File: 0126S38W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Dichlorodifluoromethane	0.7349	0.8700	18	TM	
3	TM**	Chloromethane	1.131	1.113	1.6	TM**	
4	TM*	Vinyl chloride	0.1162	0.1233	6.1	TM*	
5	TM	Bromomethane	0.1606	0.1771	10	TM	
6	TM	Chloroethane	0.1604	0.1828	14	TM	
7	TM	Trichlorofluoromethane	1.029	1.216	18	TM	
8	TML	Acetone	0.0514	0.0403	21	TML	14
9	TM*	1,1-DCE	0.5575	0.6090	9.2	TM*	
10	TM	Methylene chloride	0.3723	0.4678	26	TM	*
11	TM	Carbon disulfide	2.255	2.684	19	TM	
12	TM	Methyl t-butyl ether (MtBE)	0.5825	0.5512	5.4	TM	
13	TM	Trans-1,2-DCE	0.5832	0.6320	8.4	TM	
14	TM**	1,1-DCA	1.072	1.155	7.7	TM**	
15	TMQ	MEK (2-Butanone)	0.0601	0.0349	42	TMQ	14
16	TM	Cis-1,2-DCE	0.5626	0.5490	2.4	TM	
17	TM	2,2-Dichloropropane	0.9829	1.067	8.6	TM	
18	TM*	Chloroform	1.006	0.9406	6.5	TM*	
19	TM	Bromochloromethane	0.1464	0.1507	3.0	TM	
20	S	Dibromofluoromethane(S)	0.4967	0.5343	7.6	S	
21	TM	1,1,1-TCA	0.9461	1.057	12	TM	
22	TM	1,1-Dichloropropene	0.8751	1.002	15	TM	
23	S	1,2-DCA-D4(S)	0.2829	0.3400	20	S	
24	TM	Carbon Tetrachloride	0.7689	0.8844	15	TM	
25	TM	1,2-DCA	0.2899	0.3074	6.0	TM	
26	TM	Benzene	2.326	2.490	7.0	TM	
27	TM	TCE	0.6508	0.7195	11	TM	
28	TM*	1,2-Dichloropropane	0.4888	0.5285	8.1	TM*	
29	TM	Bromodichloromethane	0.5005	0.4995	0.21	TM	
30	TML	Dibromomethane	0.1381	0.1694	23	TML	8.4
31	TM	Cis-1,3-Dichloropropene	0.6017	0.5724	4.9	TM	
32	TM*	Toluene	1.465	1.518	3.6	TM*	
33	TM	Trans-1,3-Dichloropropene	0.3886	0.3955	1.8	TM	
34	TM	1,1,2-TCA	0.1701	0.1870	9.9	TM	
35	I	Chlorobenzene-D5 (IS)	ISTD			I	
36	S	Toluene-D8(S)	3.556	3.632	2.1	S	
37	TM	1,2-EDB	0.2976	0.2797	6.0	TM	
38	TM	Tetrachloroethene	0.8734	0.8832	1.1	TM	
39	TM	1-Chlorohexane	1.798	2.073	15	TM	
40	TM	1,1,1,2-Tetrachloroethane	0.6382	0.6554	2.7	TM	
		Average			10.5		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration/CCV

Lab Name: APPL, Inc. SDG No: 63706
Case No: Date Analyzed: 1/27/11
Matrix: 0 Instrument: Sweetpea
Cal. Date: 1/26/11
Data File: 0126S38W.D

		Compound	MEAN	CCRF	%D	%Drift	
41	TM	m&p-Xylene	1.702	1.805	6.0	TM	
42	TM	o-Xylene	1.493	1.559	4.4	TM	
43	TM	Styrene	2.101	2.233	6.3	TM	
44	S	4-Bromofluorobenzene(S)	0.8685	0.9178	5.7	S	
45	TM	2-Hexanone	0.0765	0.0710	7.2	TM	
46	TM	1,3-Dichloropropane	0.5472	0.5696	4.1	TM	
47	TM	Dibromochloromethane	0.4510	0.4563	1.2	TM	
48	TM**	Chlorobenzene	2.047	2.167	5.9	TM**	
49	TM*	Ethylbenzene	4.712	5.034	6.8	TM*	
50	TM**	Bromoform	0.2188	0.1888	14	TM**	
51	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
52	TM	MIBK (methyl isobutyl ketone)	0.5294	0.5254	0.75	TM	
53	TM	Isopropylbenzene	10.5	11.5	9.3	TM	
54	TM**	1,1,2,2-Tetrachloroethane	0.6497	0.6603	1.6	TM**	
55	TM	1,2,3-Trichloropropane	0.1487	0.1403	5.7	TM	
56	TM	Bromobenzene	1.607	1.716	6.8	TM	
57	TM	n-Propylbenzene	13.3	15.2	14	TM	
58	TM	2-Chlorotoluene	7.377	8.239	12	TM	
59	TM	1,3,5-Trimethylbenzene	7.926	8.514	7.4	TM	
60	TM	4-Chlorotoluene	6.060	6.433	6.2	TM	
61	TM	Tert-Butylbenzene	8.363	9.583	15	TM	
62	TM	1,2,4-Trimethylbenzene	7.220	8.000	11	TM	
63	TM	Sec-Butylbenzene	11.9	13.6	14	TM	
64	TM	p-Isopropyltoluene	9.444	10.2	7.6	TM	
65	TM	1,3-DCB	3.442	3.715	7.9	TM	
66	TM	1,4-DCB	3.132	3.243	3.6	TM	
67	TM	n-Butylbenzene	8.461	9.377	11	TM	
68	TM	1,2-DCB	2.429	2.662	9.6	TM	
69	TM	1,2-Dibromo-3-chloropropane	0.0766	0.0791	3.3	TM	
70	TM	1,2,4-Trichlorobenzene	0.5110	0.5576	9.1	TM	
71	TM	Hexachlorobutadiene	0.5448	0.5879	7.9	TM	
72	TM	Naphthalene	0.5114	0.5100	0.26	TM	
73	TM	1,2,3-Trichlorobenzene	0.3303	0.3772	14	TM	
74							
75							
76							
77							
78							
79							
80							
		Average			7.5		

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S38W.D   Vial: 38
Acq On : 27 Jan 11 11:04   Operator: GM
Sample : 110126A LCS-1WS(SS)   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 10 14:05 2011   Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.78	96	367616	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	14.81	117	225600	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	99640	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.40	111	179542	24.58180 ppb		0.00
Spiked Amount 22.854			Recovery	= 107.563%		
23) 1,2-DCA-D4(S)	9.18	65	107931	25.94599 ppb		0.00
Spiked Amount 21.589			Recovery	= 120.181%		
36) Toluene-D8(S)	12.36	98	822832	25.64108 ppb		0.00
Spiked Amount 25.102			Recovery	= 102.148%		
44) 4-Bromofluorobenzene(S)	16.86	95	210846	26.90290 ppb		0.00
Spiked Amount 25.458			Recovery	= 105.674%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.48	85	127936	11.83834 ppb		97
3) Chloromethane	2.76	50	163618	9.83802 ppb		91
4) Vinyl chloride	2.92	64	18128	10.60956 ppb		80
5) Bromomethane	3.47	94	26040	11.02778 ppb		98
6) Chloroethane	3.61	64	26876	11.39266 ppb	#	84
7) Trichlorofluoromethane	4.03	101	178817	11.81695 ppb		96
8) Acetone	4.66	43	5930	8.60986 ppb		93
9) 1,1-DCE	4.96	96	89546	10.92228 ppb		93
10) Methylene chloride	5.67	84	68794	12.56654 ppb		96
11) Carbon disulfide	5.67	76	394702	11.90503 ppb		100
12) Methyl t-butyl ether (MtBE	6.07	73	81047	9.46169 ppb	#	89
13) Trans-1,2-DCE	6.22	96	92928	10.83609 ppb		89
14) 1,1-DCA	6.86	63	169875	10.77450 ppb		94
15) MEK (2-Butanone)	7.54	43	5129	8.57260 ppb		96
16) Cis-1,2-DCE	7.83	96	80727	9.75863 ppb		86
17) 2,2-Dichloropropane	7.82	77	156906	10.85637 ppb		93
18) Chloroform	8.09	83	138308	9.34630 ppb		93
19) Bromochloromethane	8.29	128	22164	10.29586 ppb		94
21) 1,1,1-TCA	8.79	97	155461	11.17451 ppb		97
22) 1,1-Dichloropropene	9.05	75	147369	11.45283 ppb		92
24) Carbon Tetrachloride	9.20	117	130051	11.50249 ppb		97
25) 1,2-DCA	9.33	62	45198	10.60323 ppb		98
26) Benzene	9.41	78	366072	10.70329 ppb		96
27) TCE	10.44	95	105803	11.05574 ppb		91
28) 1,2-Dichloropropane	10.66	63	77710	10.81257 ppb		97
29) Bromodichloromethane	11.00	83	73451	9.97945 ppb	#	81
30) Dibromomethane	11.05	93	24906	10.83833 ppb		86
31) Cis-1,3-Dichloropropene	11.91	75	84175	9.51421 ppb		87
32) Toluene	12.48	92	223166	10.35638 ppb	19.6938	[illegible]
33) Trans-1,3-Dichloropropene	12.71	75	58161	10.17960 ppb		97
34) 1,1,2-TCA	12.96	83	27500	10.99487 ppb		89
37) 1,2-EDB	14.10	107	25242	9.39849 ppb	#	87
38) Tetrachloroethene	13.59	164	79703	10.11245 ppb	#	84
39) 1-Chlorohexane	14.58	91	187108	11.53411 ppb		95
40) 1,1,1,2-Tetrachloroethane	14.95	131	59146	10.27064 ppb		77
41) m&p-Xylene	15.17	106	325747	21.20521 ppb		94
42) o-Xylene	15.88	106	140662	10.44294 ppb		99
43) Styrene	15.91	104	201495	10.62856 ppb		97
45) 2-Hexanone	13.06	58	6410	9.28312 ppb	#	54

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

Data File : M:\SWEETPEA\DATA\S110126\0126S38W.D   Vial: 38
Acq On : 27 Jan 11 11:04   Operator: GM
Sample : 110126A LCS-1WS(SS)   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 10 14:05 2011   Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.37	76	51402	10.41031	ppb		99
47)	Dibromochloromethane	13.76	129	41176	10.11679	ppb		82
48)	Chlorobenzene	14.87	112	195521	10.58656	ppb		93
49)	Ethylbenzene	15.03	91	454281	10.68263	ppb		96
50)	Bromoform	16.34	173	17041	8.62911	ppb		94
52)	MIBK (methyl isobutyl keto	11.65	43	20940	9.92507	ppb		99
53)	Isopropylbenzene	16.52	105	457754	10.92891	ppb		99
54)	1,1,2,2-Tetrachloroethane	16.68	83	26315	10.16297	ppb	#	98
55)	1,2,3-Trichloropropane	16.92	110	5592	9.43319	ppb		89
56)	Bromobenzene	17.16	156	68391	10.67654	ppb		90
57)	n-Propylbenzene	17.21	91	604470	11.37007	ppb		99
58)	2-Chlorotoluene	17.45	91	328387	11.16954	ppb		97
59)	1,3,5-Trimethylbenzene	17.49	105	339353	10.74230	ppb		94
60)	4-Chlorotoluene	17.54	91	256378	10.61554	ppb		97
61)	Tert-Butylbenzene	18.10	119	381935	11.45801	ppb		98
62)	1,2,4-Trimethylbenzene	18.15	105	318833	11.08021	ppb		94
63)	Sec-Butylbenzene	18.48	105	540144	11.36954	ppb		95
64)	p-Isopropyltoluene	18.72	119	404896	10.75666	ppb		98
65)	1,3-DCB	18.79	146	148059	10.79411	ppb		92
66)	1,4-DCB	18.96	146	129246	10.35540	ppb		96
67)	n-Butylbenzene	19.43	91	373711	11.08230	ppb		98
68)	1,2-DCB	19.58	146	106080	10.95766	ppb		92
69)	1,2-Dibromo-3-chloropropan	20.88	75	3151	10.32546	ppb	#	70
70)	1,2,4-Trichlorobenzene	22.53	180	22224	10.91204	ppb		90
71)	Hexachlorobutadiene	22.85	225	23432	10.79193	ppb		93
72)	Naphthalene	22.90	128	20328	9.97360	ppb		98
73)	1,2,3-Trichlorobenzene	23.33	180	15035	11.42191	ppb		88

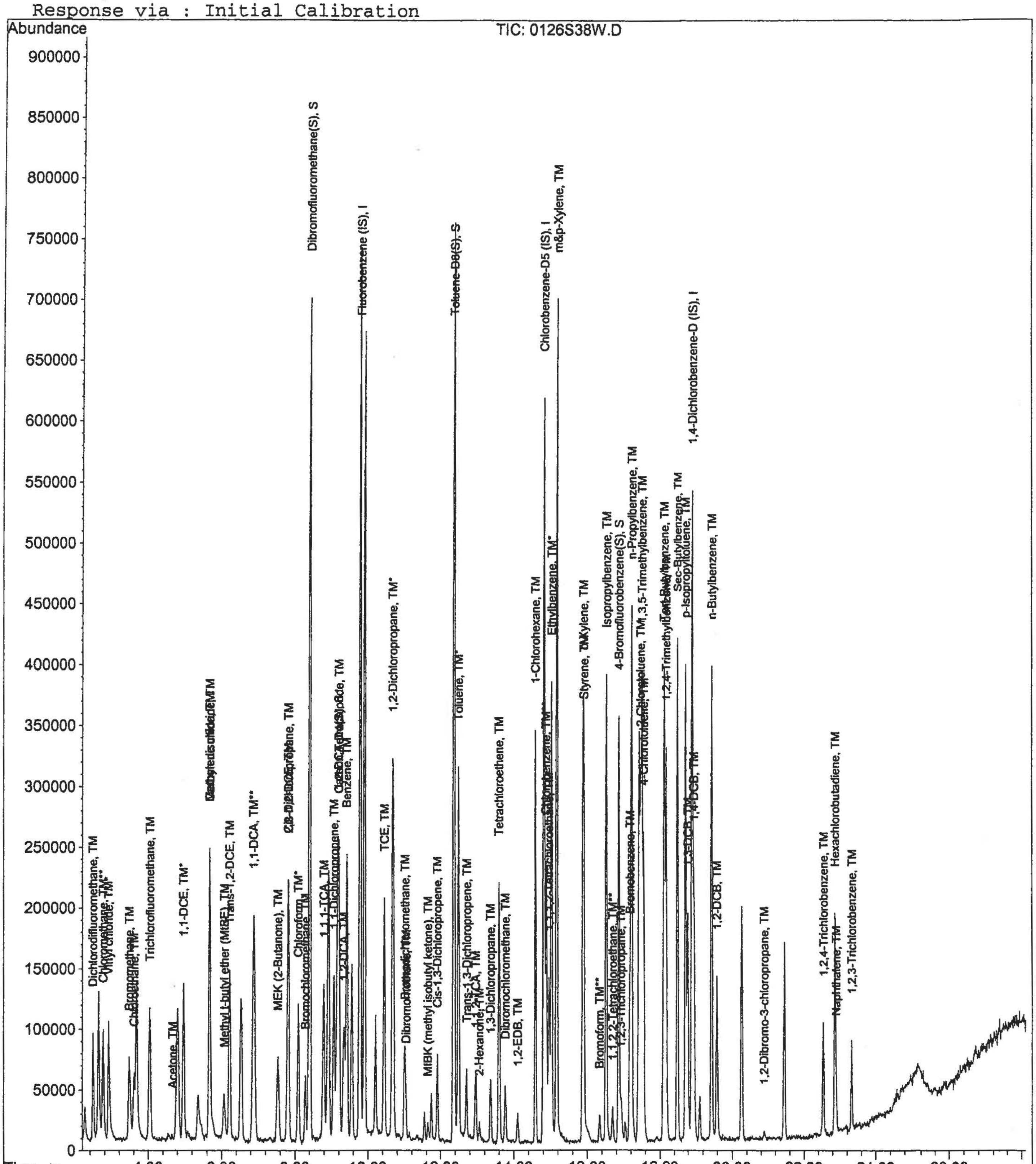
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S38W.D Vial: 38
Acq On : 27 Jan 11 11:04 Operator: GM
Sample : 110126A LCS-1WS(SS) Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 14:05 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:

Case No: Initial Cal. Date: 1/26/11

Matrix: Instrument: Sweetpea Initials:

			0126S04W.D	0126S05W.D	0126S06W.D	0126S07W.D	0126S08W.D	0126S09W.D	0126S10W.D							
		Compound	0.5	1	5	10	20	40	100				Avg	%RSD		
1	I	Fluorobenzene (IS)	ISTD													
2	TMHBL	Gasoline	26.1	11.3	6.184	3.445	2.764	2.921	2.746				7.9	108	TMHBL	0.993
3	S	Dibromofluoromethane(S)	3.135	3.037	3.195	3.157	3.080	3.164	3.094				3.1	1.8	S	
4	I	Chlorobenzene-D5 (IS)	ISTD													
5	S	Toluene-D8(S)	3.193	3.087	3.139	3.097	3.219	3.488	3.713				3.3	7.2	S	
6	S	4-Bromofluorobenzene(S)	1.593	1.599	1.572	1.612	1.541	1.573	1.639				1.6	2.0	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD													
8																
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10																
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Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D Vial: 4
Acq On : 26 Jan 11 12:52 Operator: GM
Sample : Vol Std 01-26-11@20ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1097731	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	971926	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	876328	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3146124	22.94055 ppb	0.00
Spiked Amount 24.523				Recovery = 93.549%	
5) Toluene-D8(S)	12.35	TIC	3116426	24.46577 ppb	0.00
Spiked Amount 23.425				Recovery = 104.444%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1576750	25.51033 ppb	0.00
Spiked Amount 23.162				Recovery = 110.135%	
Target Compounds					Qvalue
2) Gasoline	9.77	TIC	22931866m	30.29746 ppb	100

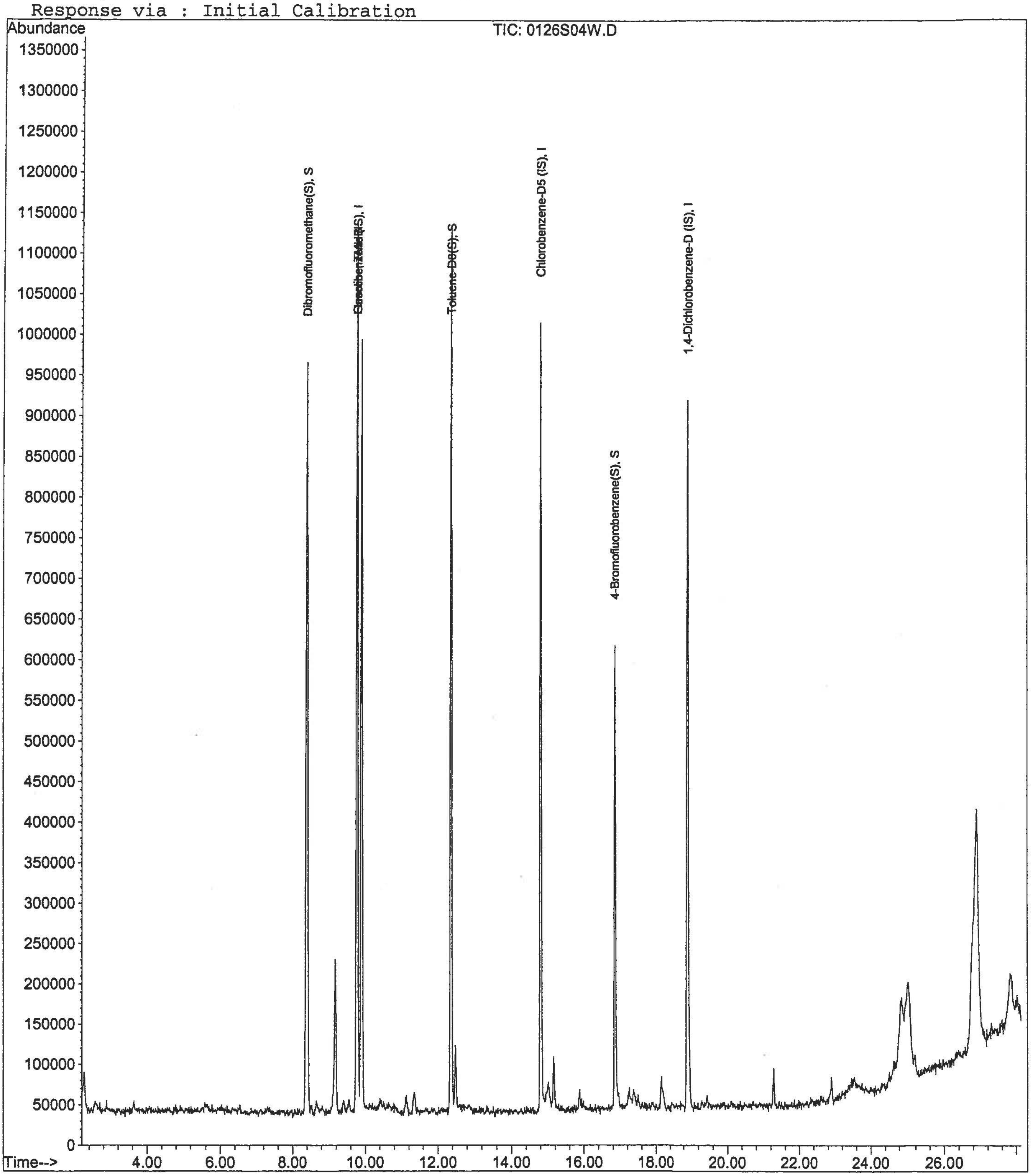
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D   Vial: 4
Acq On : 26 Jan 11 12:52   Operator: GM
Sample : Vol Std 01-26-11@20ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 11 16:38 2011   Quant Results File: SGAS.RES

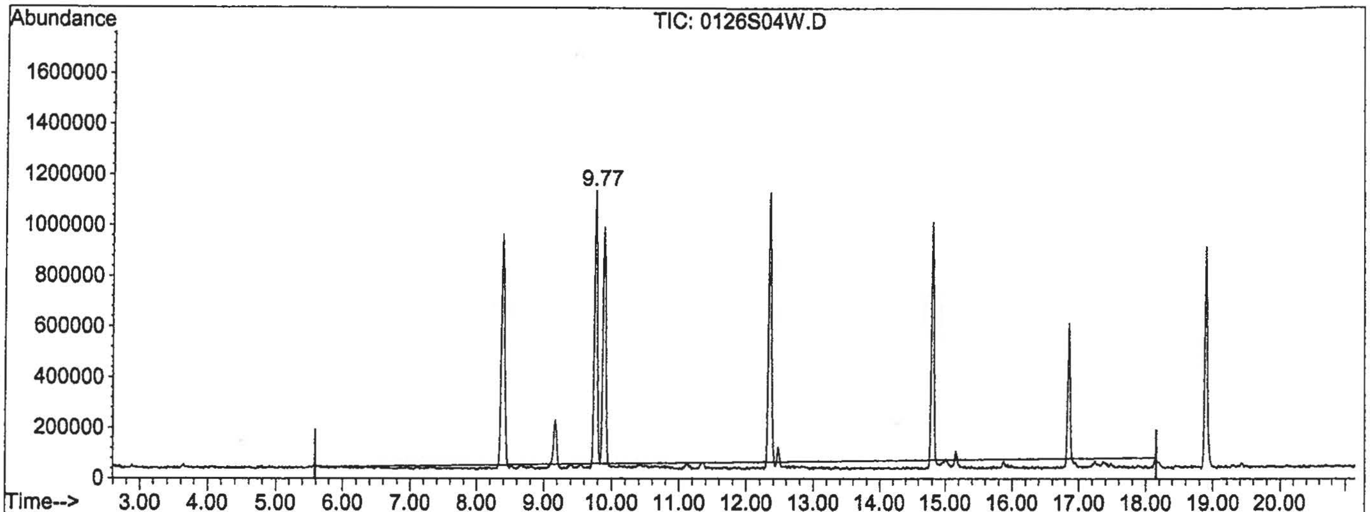
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

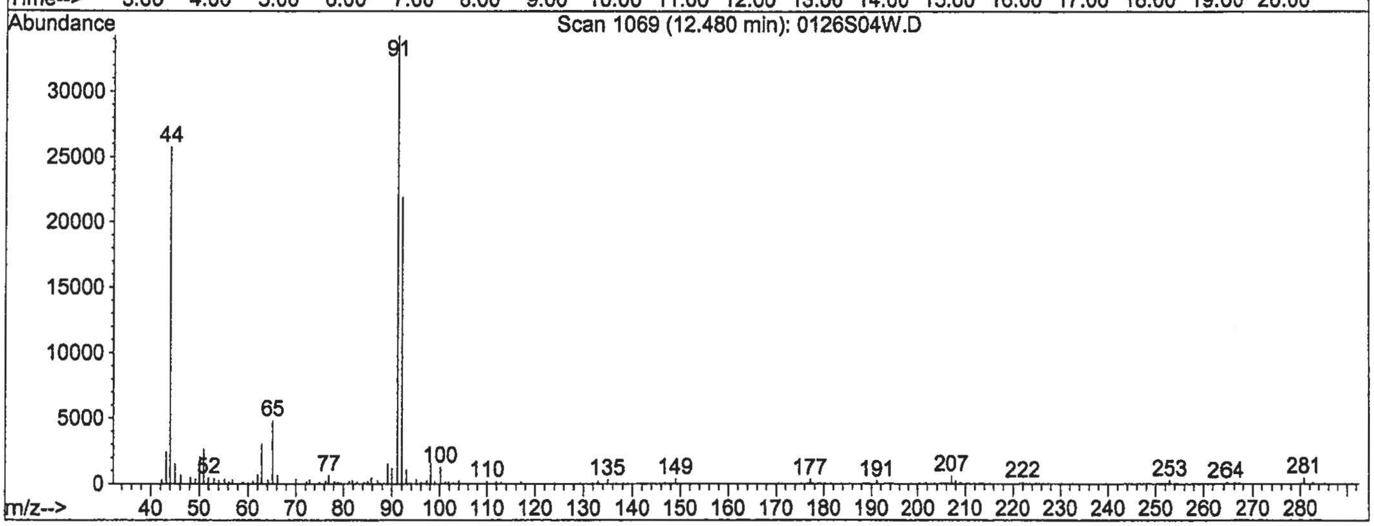


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D          Vial: 4
Acq On    : 26 Jan 11  12:52                           Operator: GM
Sample    : Vol Std 01-26-11@20ug/L                    Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                  Multiplr: 1.00
Quant Time: Feb 11 16:36 2011                Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:05:17 2011
Response via  : Multiple Level Calibration
```





TIC: 0126S04W.D

(2) Gasoline (TMHB)

12.48min -115.4322ppb m

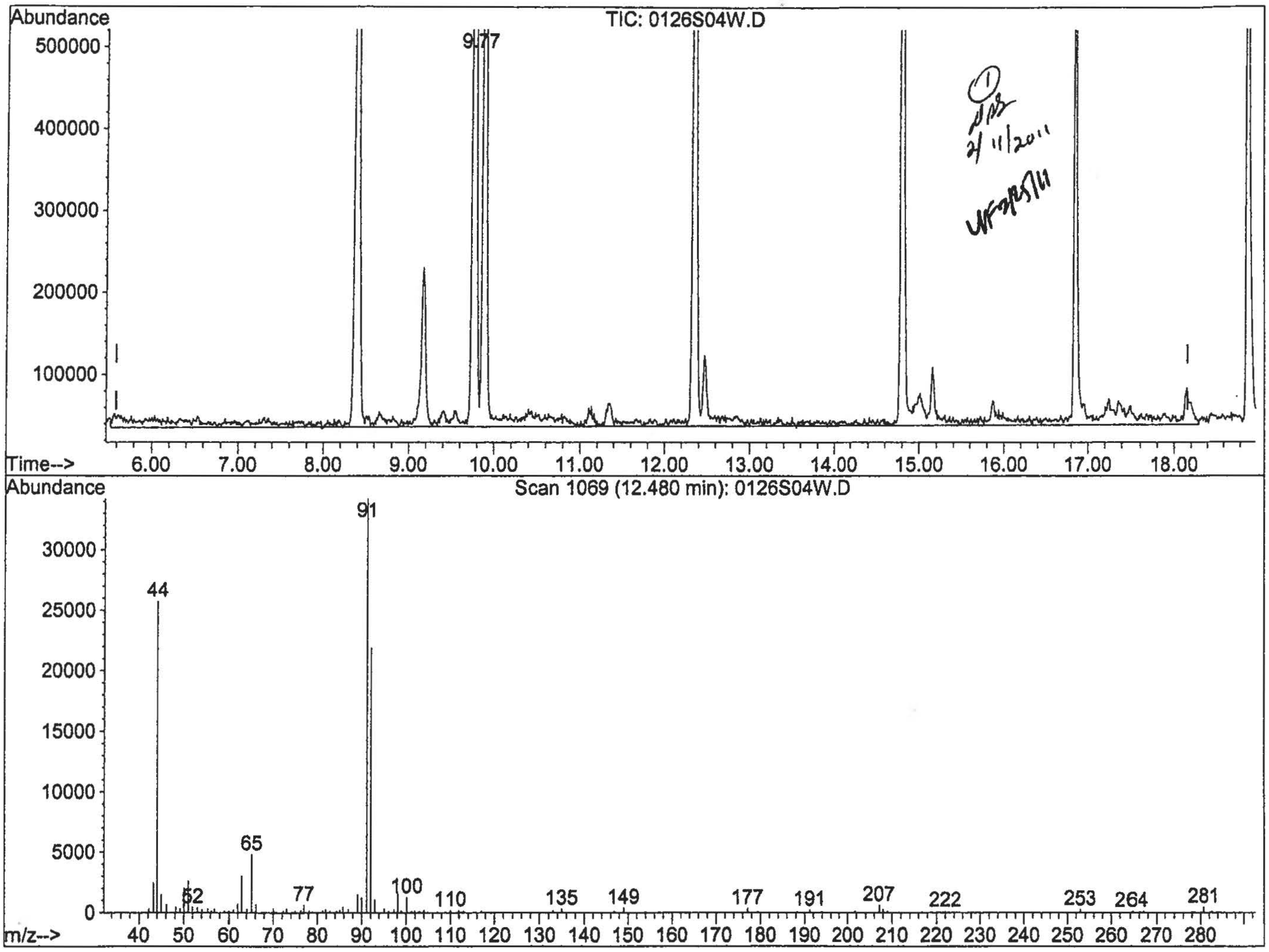
response 9306708

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.90#
0.00	0.00	2.79#
0.00	0.00	0.00

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S04W.D Vial: 4
Acq On : 26 Jan 11 12:52 Operator: GM
Sample : Vol Std 01-26-11@20ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00
Quant Time: Feb 11 16:38 2011 Quant Results File: temp.res

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration



TIC: 0126S04W.D

(2) Gasoline (TMHB)

9.77min 30.2975ppb m

response 22931866

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.37#
0.00	0.00	1.13#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File	: M:\SWEETPEA\DATA\S110126\0126S05W.D	Vial:	5
Acq On	: 26 Jan 11 13:28	Operator:	GM
Sample	: Vol Std 01-26-11@50ug/L	Inst	: Sweetpea
Misc	: Water 10mL w/IS: 01-17-11	Multiplr:	1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1132718	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	1006660	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	919277	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3144564	22.22094 ppb	0.00
Spiked Amount 24.523				Recovery = 90.613%	
5) Toluene-D8(S)	12.35	TIC	3119855	23.64759 ppb	0.00
Spiked Amount 23.425				Recovery = 100.952%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1638762	25.59879 ppb	0.00
Spiked Amount 23.162				Recovery = 110.519%	
Target Compounds					Qvalue
2) Gasoline	9.77	TIC	25671239m	51.11596 ppb	100

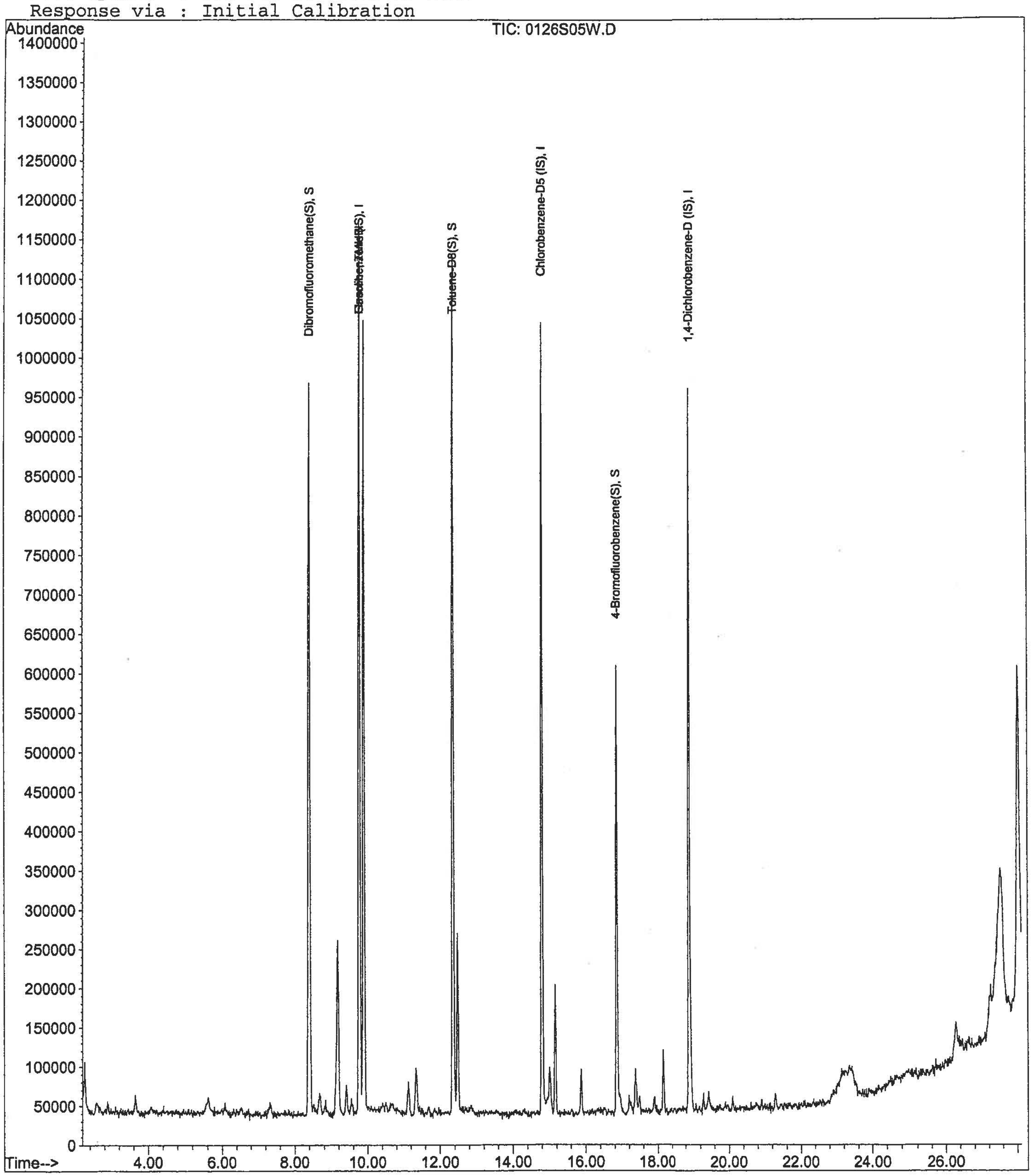
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S05W.D Vial: 5
Acq On : 26 Jan 11 13:28 Operator: GM
Sample : Vol Std 01-26-11@50ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

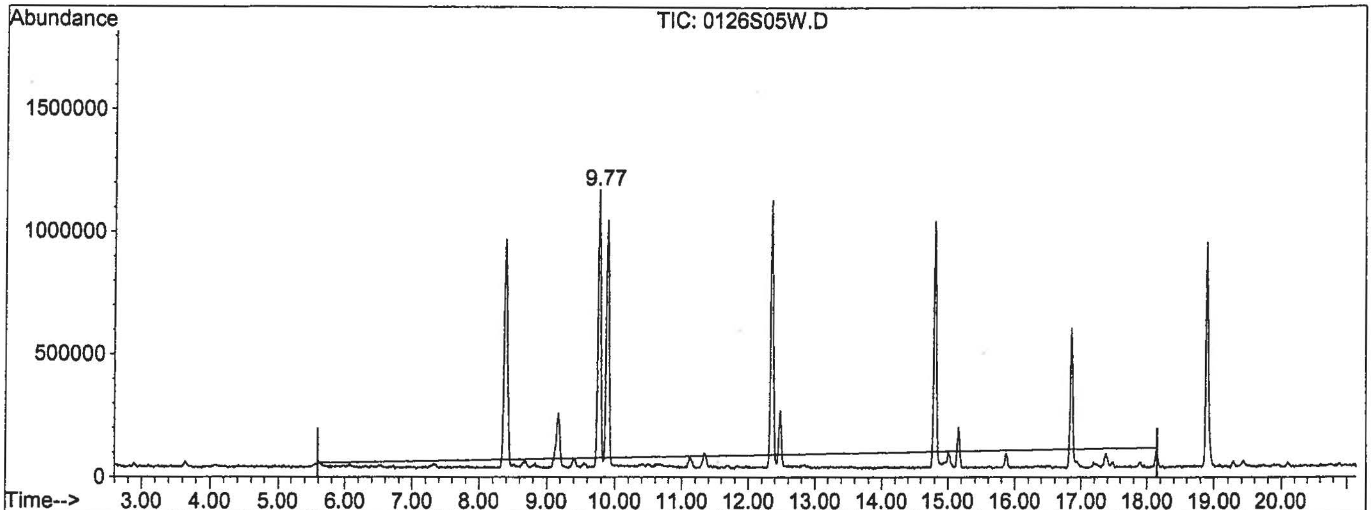
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

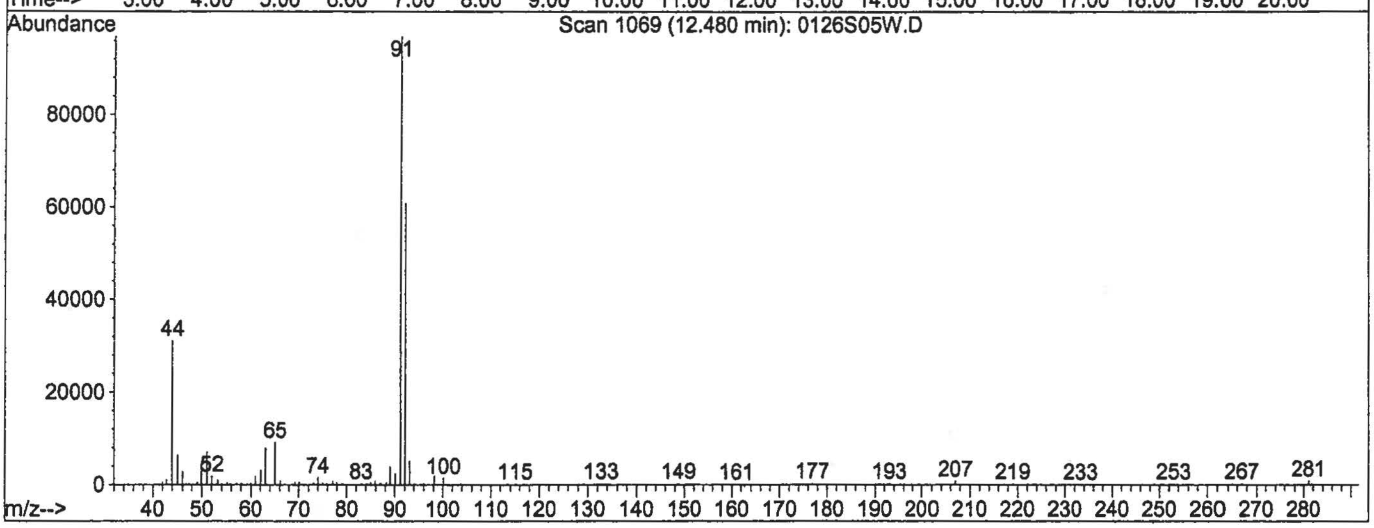


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S05W.D          Vial: 5
Acq On    : 26 Jan 11  13:28                         Operator: GM
Sample    : Vol Std 01-26-11@50ug/L                  Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:36 2011              Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S05W.D

(2) Gasoline (TMHB)

12.48min -93.2412ppb m

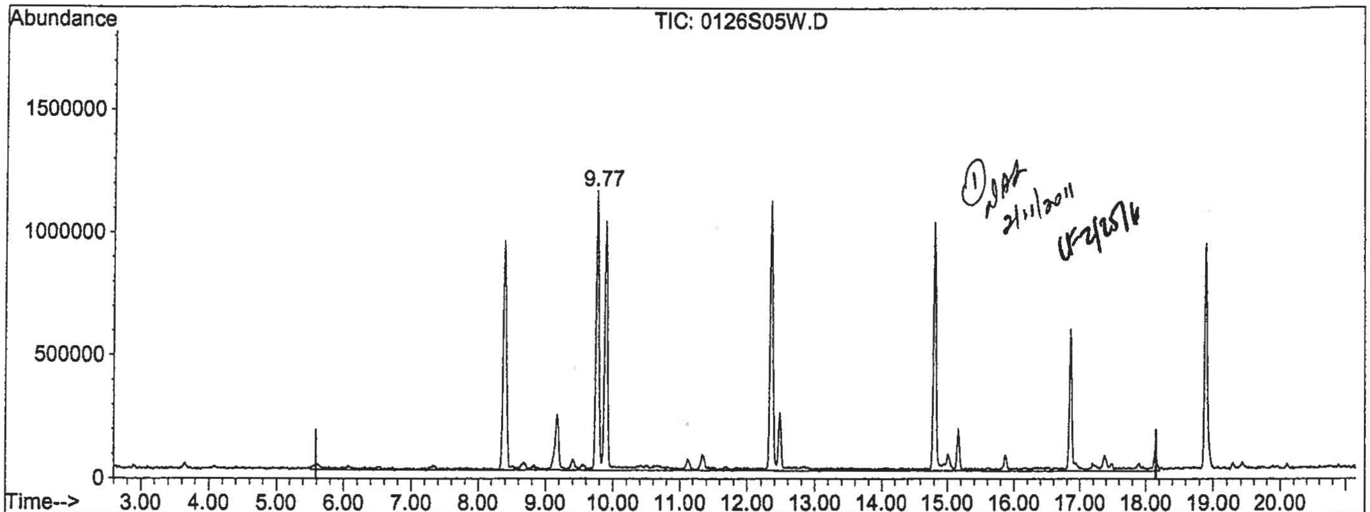
response 11744237

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.75#
0.00	0.00	2.30#
0.00	0.00	0.00

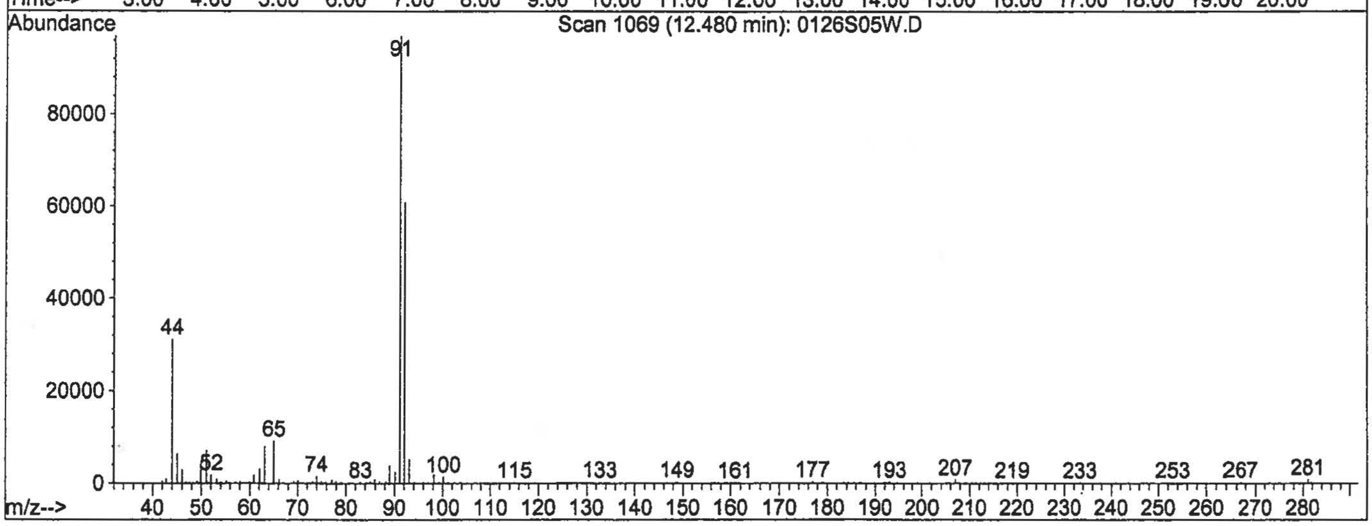
Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S05W.D          Vial: 5
Acq On    : 26 Jan 11  13:28                         Operator: GM
Sample    : Vol Std 01-26-11@50ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:38 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```



① NAT 2/11/2011



TIC: 0126S05W.D

(2) Gasoline (TMHB)

9.77min 51.1160ppb m

response 25671239

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.34#
0.00	0.00	1.05#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D Vial: 6
Acq On : 26 Jan 11 14:05 Operator: GM
Sample : Vol Std 01-26-11@100ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1082355	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	1011357	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	898456	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3161434	23.37966 ppb	0.00
Spiked Amount 24.523			Recovery =	95.339%	
5) Toluene-D8(S)	12.36	TIC	3187739	24.04991 ppb	0.00
Spiked Amount 23.425			Recovery =	102.668%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1618558	25.16577 ppb	0.00
Spiked Amount 23.162			Recovery =	108.650%	
Target Compounds					Qvalue
2) Gasoline	12.36	TIC	26771361m	75.43101 ppb	100

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

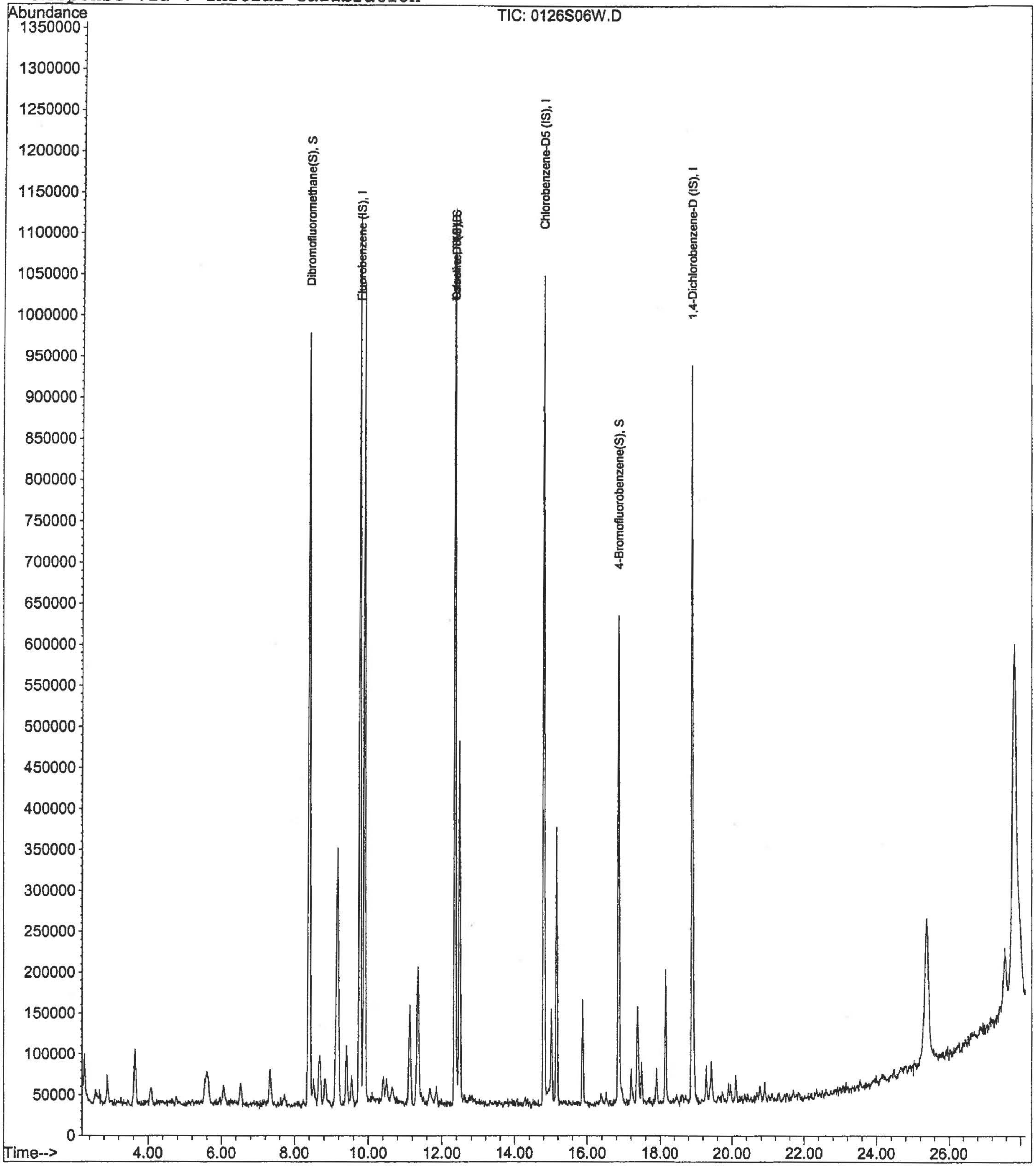
Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D
Acq On : 26 Jan 11 14:05
Sample : Vol Std 01-26-11@100ug/L
Misc : Water 10mL w/IS: 01-17-11

Vial: 6
Operator: GM
Inst : Sweetpea
Multiplr: 1.00

Quant Time: Feb 11 16:38 2011 Quant Results File: SGAS.RES

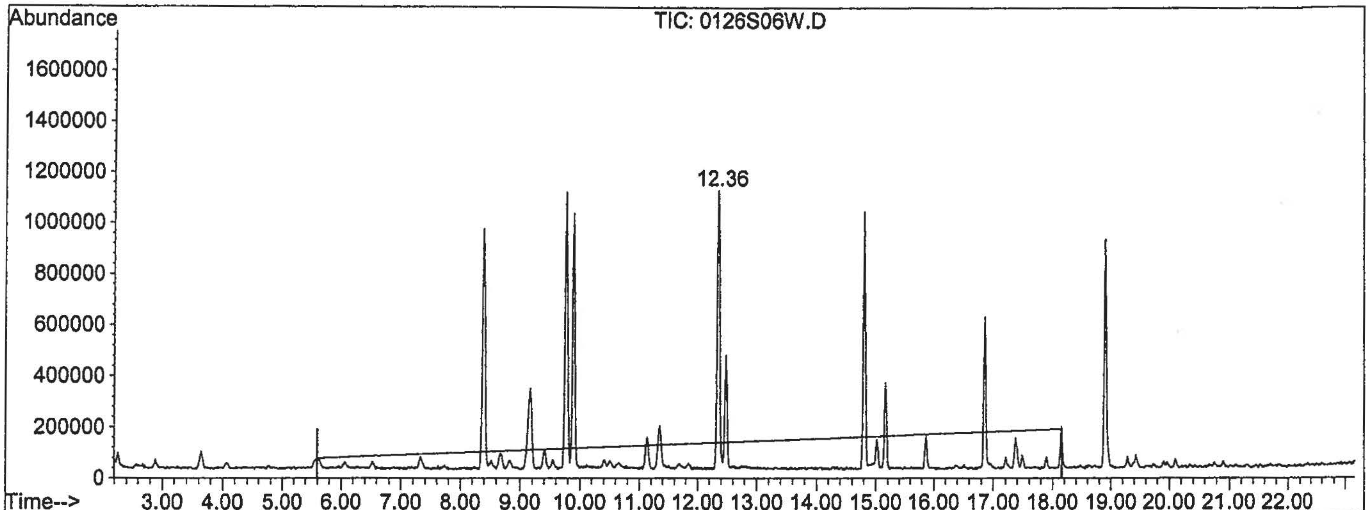
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

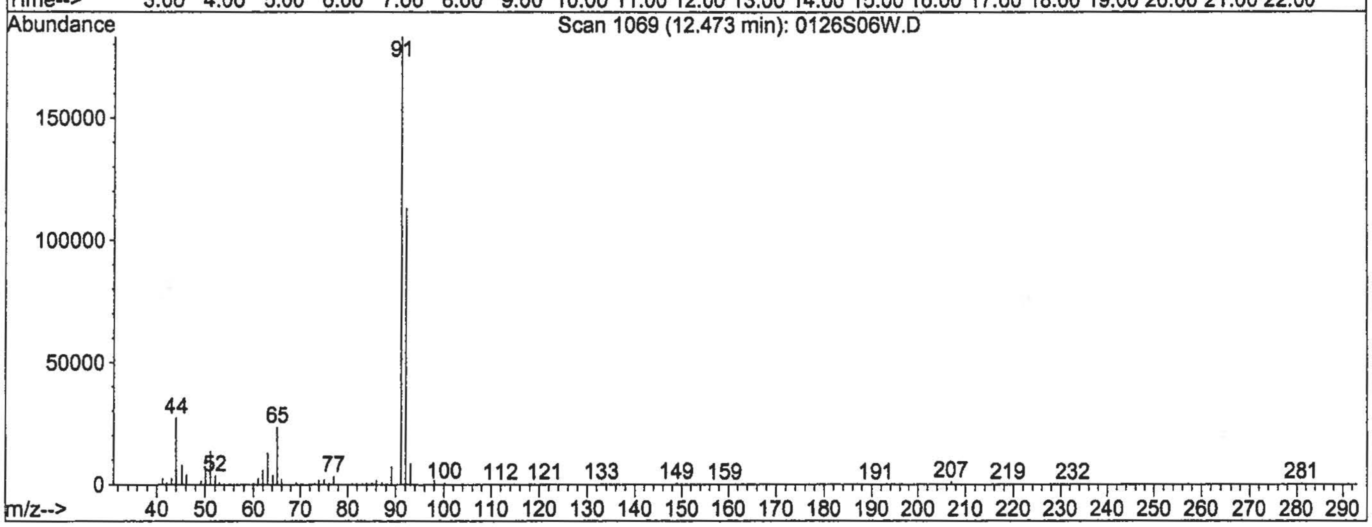


Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D Vial: 6
Acq On : 26 Jan 11 14:05 Operator: GM
Sample : Vol Std 01-26-11@100ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00
Quant Time: Feb 11 16:36 2011 Quant Results File: temp.res

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration





TIC: 0126S06W.D

(2) Gasoline (TMHB)

12.48min -48.6471ppb m

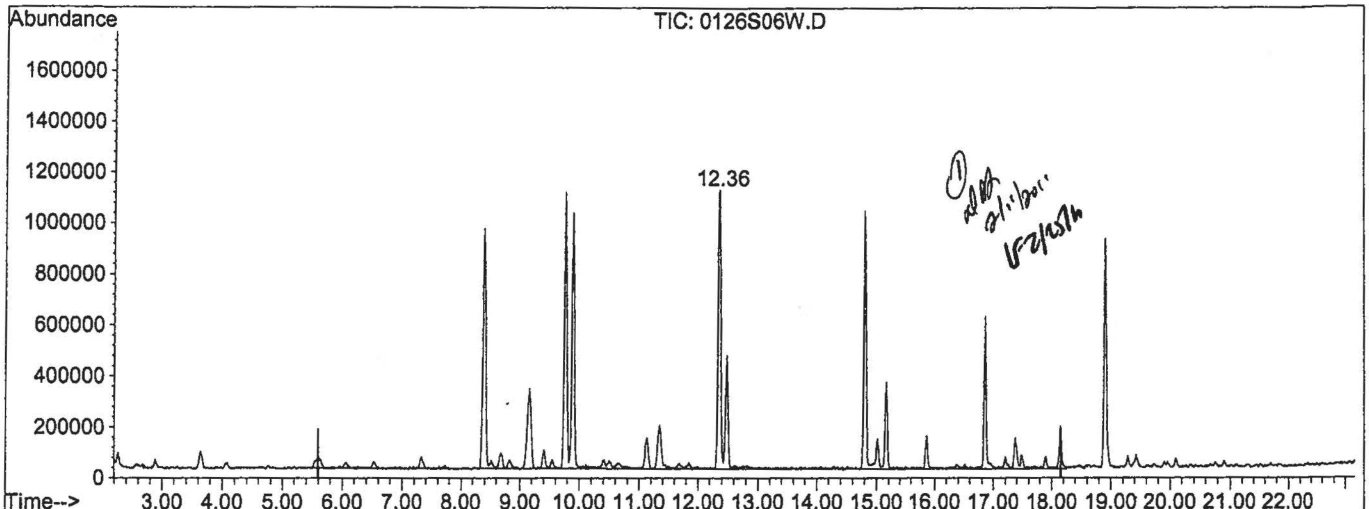
response 15333033

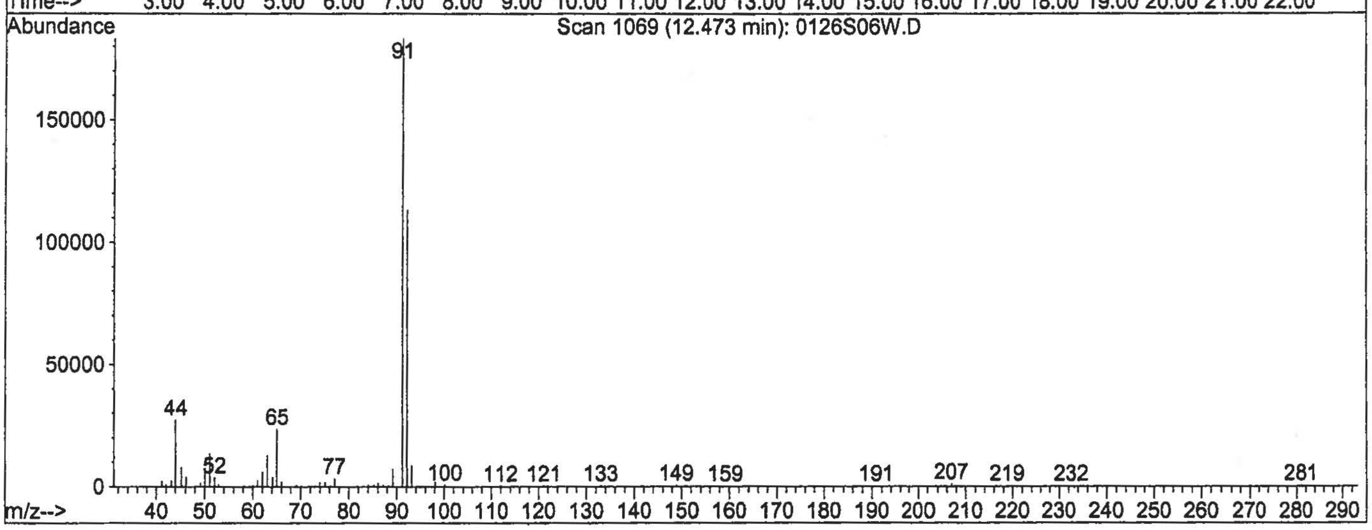
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.55#
0.00	0.00	1.72#
0.00	0.00	0.00

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S06W.D   Vial: 6
Acq On : 26 Jan 11 14:05   Operator: GM
Sample : Vol Std 01-26-11@100ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00
Quant Time: Feb 11 16:38 2011   Quant Results File: temp.res

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration





TIC: 0126S06W.D

(2) Gasoline (TMHB)

12.36min 75.4310ppb m

response 26771361

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.31#
0.00	0.00	0.99#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D          Vial: 7
Acq On    : 26 Jan 11  14:41                          Operator: GM
Sample    : Vol Std 01-26-11@300ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 11 16:39 2011               Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

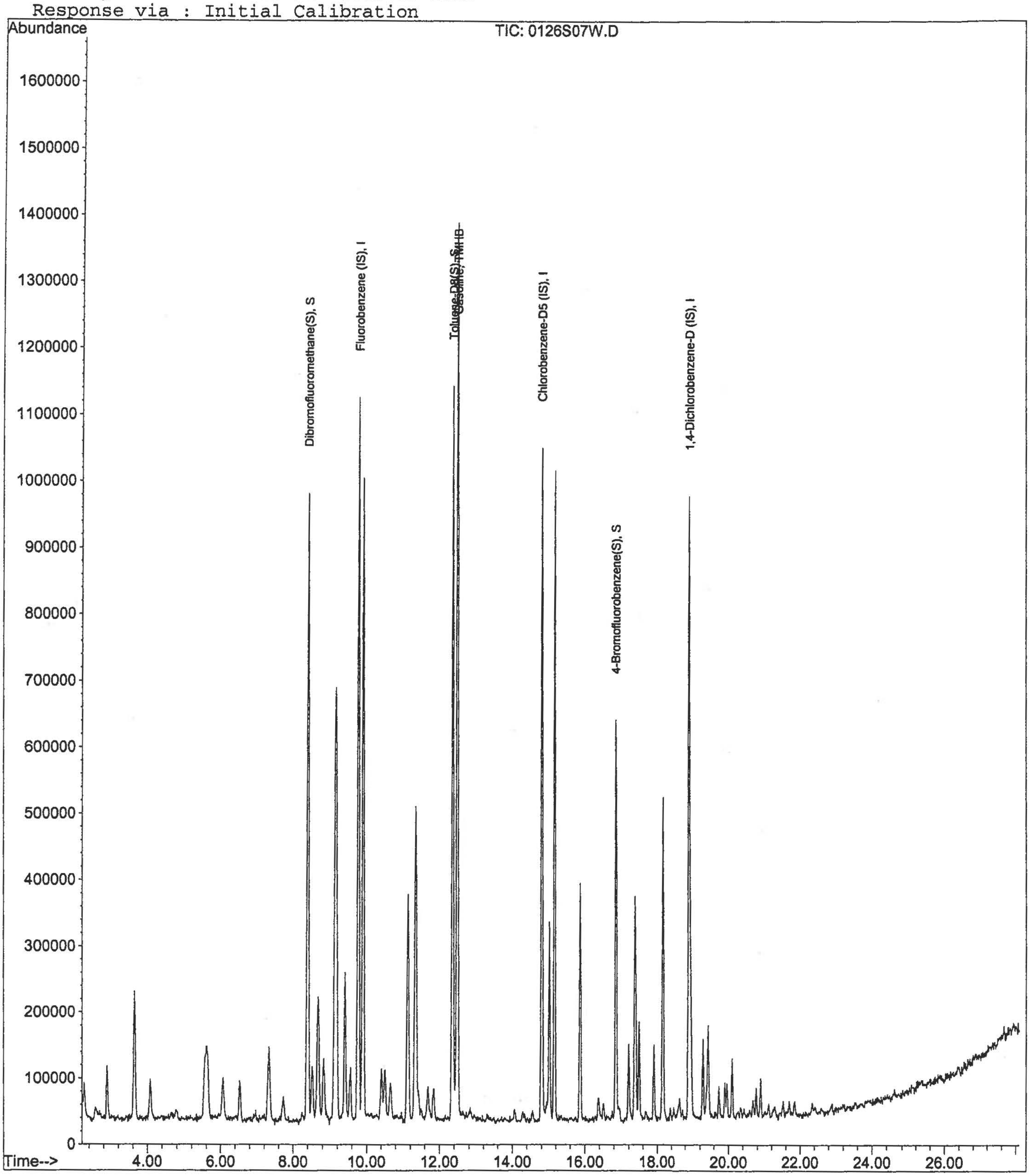
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1086671	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	1014336	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	936655	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	3136590	23.10380 ppb	0.00
Spiked Amount 24.523			Recovery =	94.214%	
5) Toluene-D8(S)	12.35	TIC	3153767	23.72373 ppb	0.00
Spiked Amount 23.425			Recovery =	101.276%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1665096	25.81332 ppb	0.00
Spiked Amount 23.162			Recovery =	111.443%	
Target Compounds					Qvalue
2) Gasoline	12.48	TIC	44924439m	270.41239 ppb	100

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D Vial: 7
Acq On : 26 Jan 11 14:41 Operator: GM
Sample : Vol Std 01-26-11@300ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:39 2011 Quant Results File: SGAS.RES

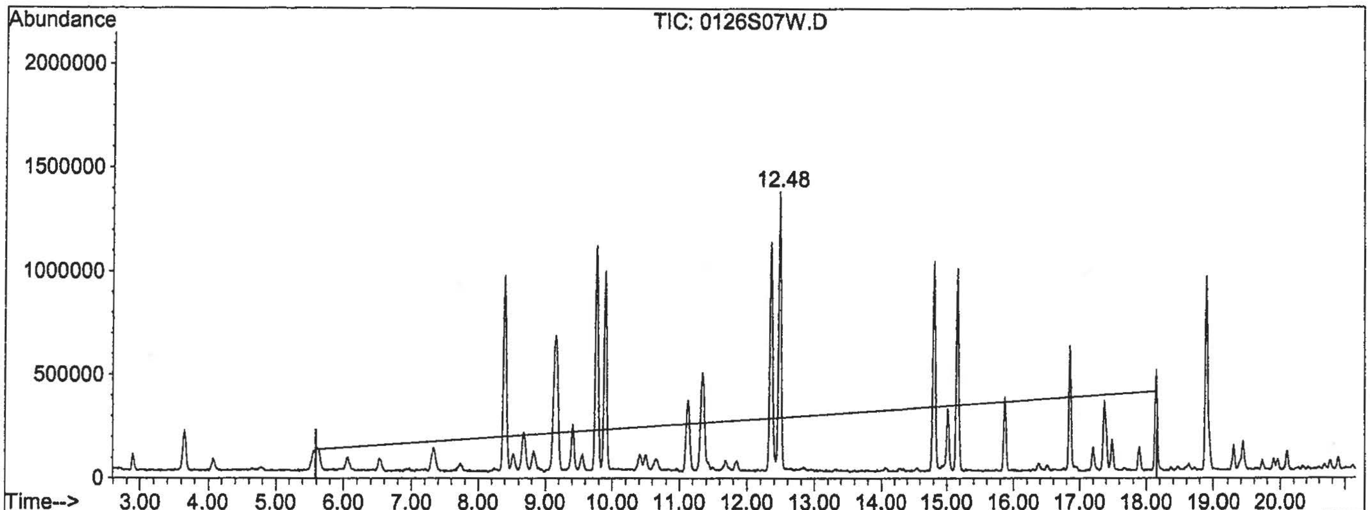
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

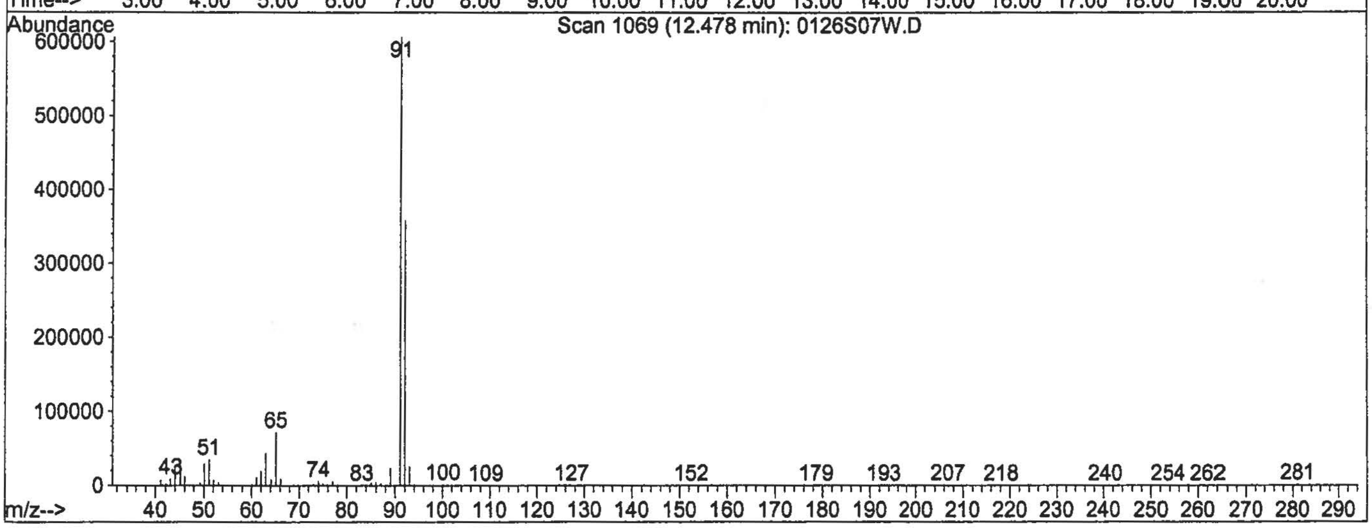


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D          Vial: 7
Acq On    : 26 Jan 11  14:41                          Operator: GM
Sample    : Vol Std 01-26-11@300ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:36 2011               Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:05:17 2011
Response via  : Multiple Level Calibration
```





TIC: 0126S07W.D

(2) Gasoline (TMHB)

12.48min 109.5234ppb m

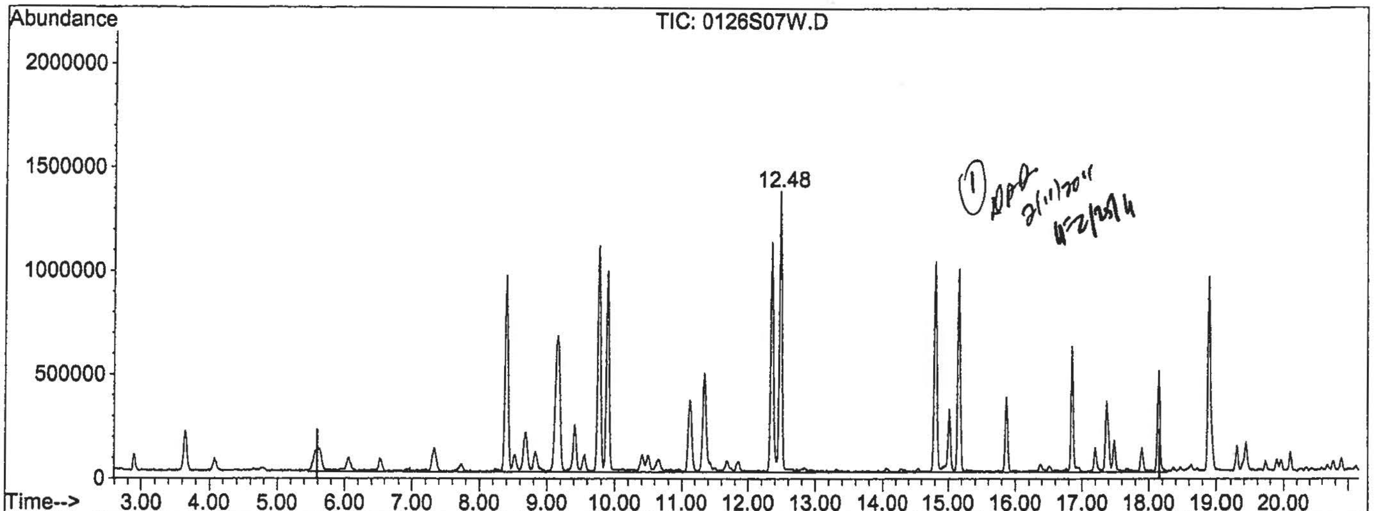
response 30033501

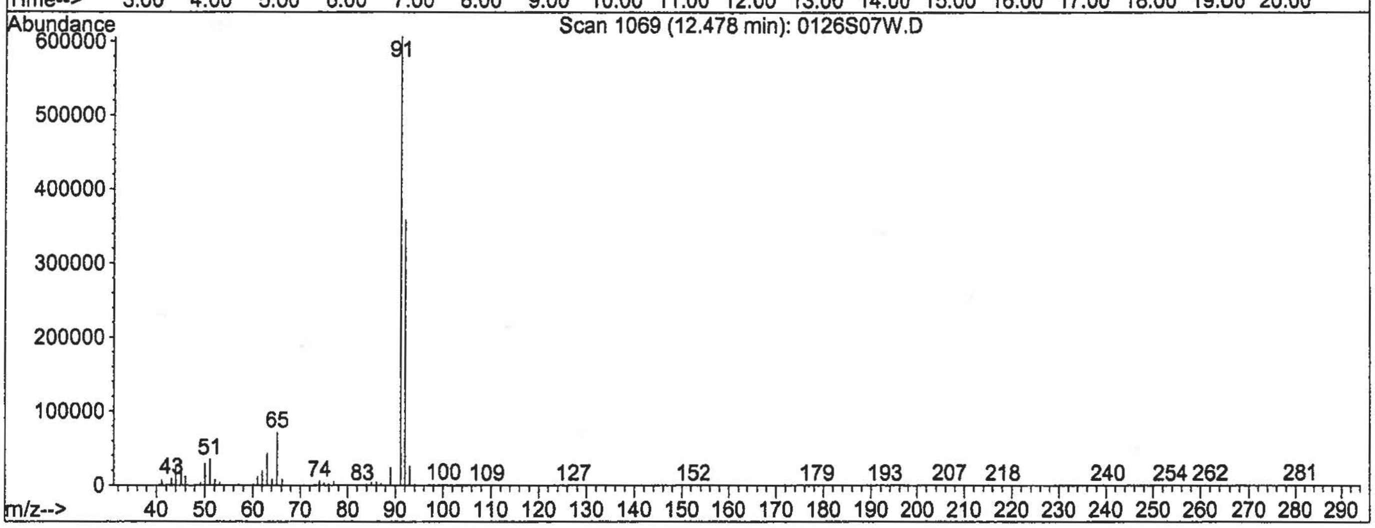
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.29#
0.00	0.00	0.92#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S07W.D          Vial: 7
Acq On    : 26 Jan 11  14:41                          Operator: GM
Sample    : Vol Std 01-26-11@300ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:39 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S07W.D

(2) Gasoline (TMHB)

12.48min 270.4124ppb m

response 44924439

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.19#
0.00	0.00	0.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D          Vial: 8
Acq On    : 26 Jan 11  15:17                         Operator: GM
Sample    : Vol Std 01-26-11@600ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 11 16:40 2011              Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1103078	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	981147	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.89	TIC	886064	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.39	TIC	3106183	22.53952 ppb	0.00
Spiked Amount 24.523			Recovery	= 91.914%	
5) Toluene-D8(S)	12.35	TIC	3171042	24.66057 ppb	0.00
Spiked Amount 23.425			Recovery	= 105.276%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1539992	24.68145 ppb	0.00
Spiked Amount 23.162			Recovery	= 106.556%	
Target Compounds					Qvalue
2) Gasoline	12.47	TIC	73174638m	563.88198 ppb	100

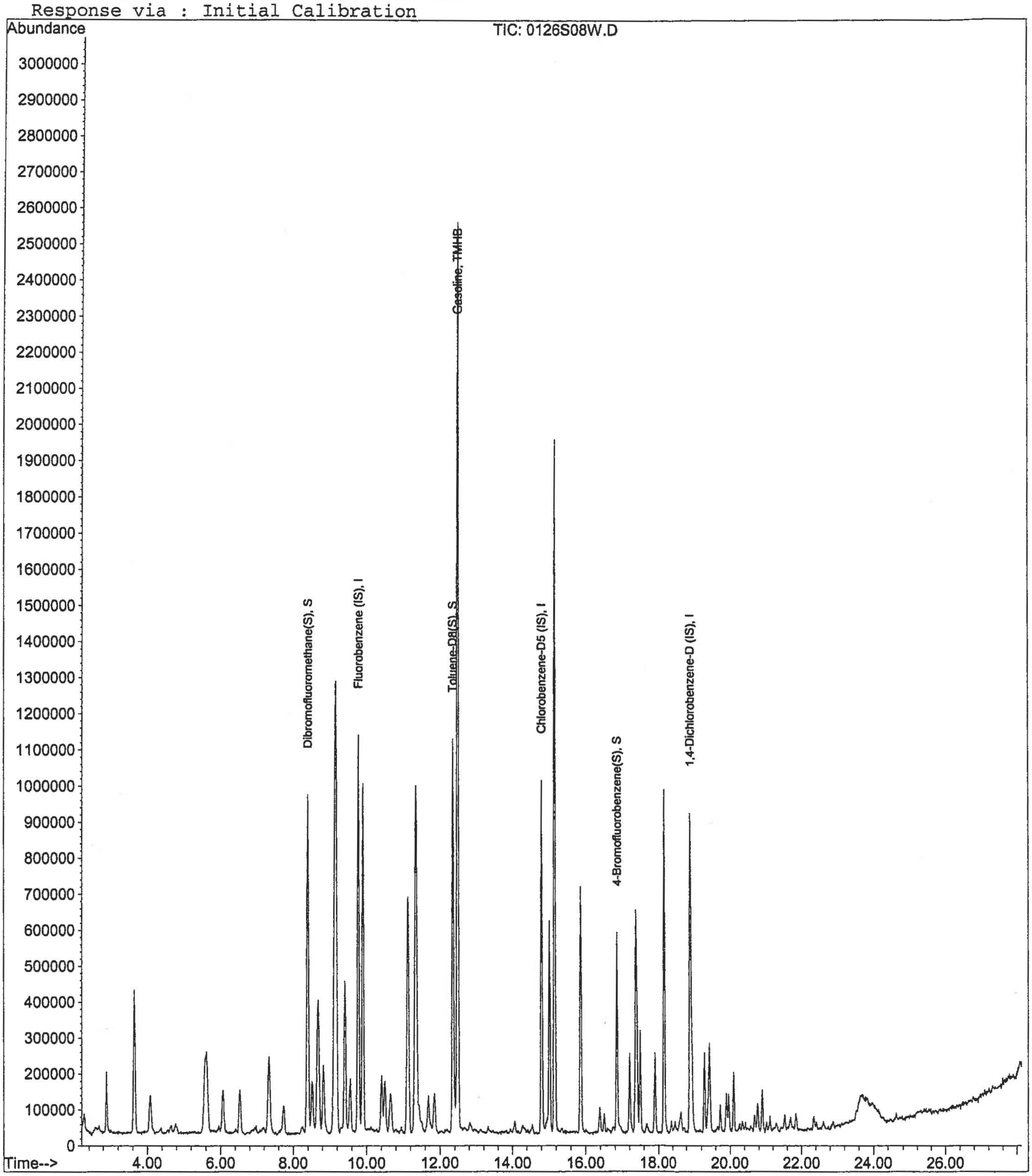
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D   Vial: 8
Acq On : 26 Jan 11 15:17   Operator: GM
Sample : Vol Std 01-26-11@600ug/L   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 11 16:40 2011   Quant Results File: SGAS.RES

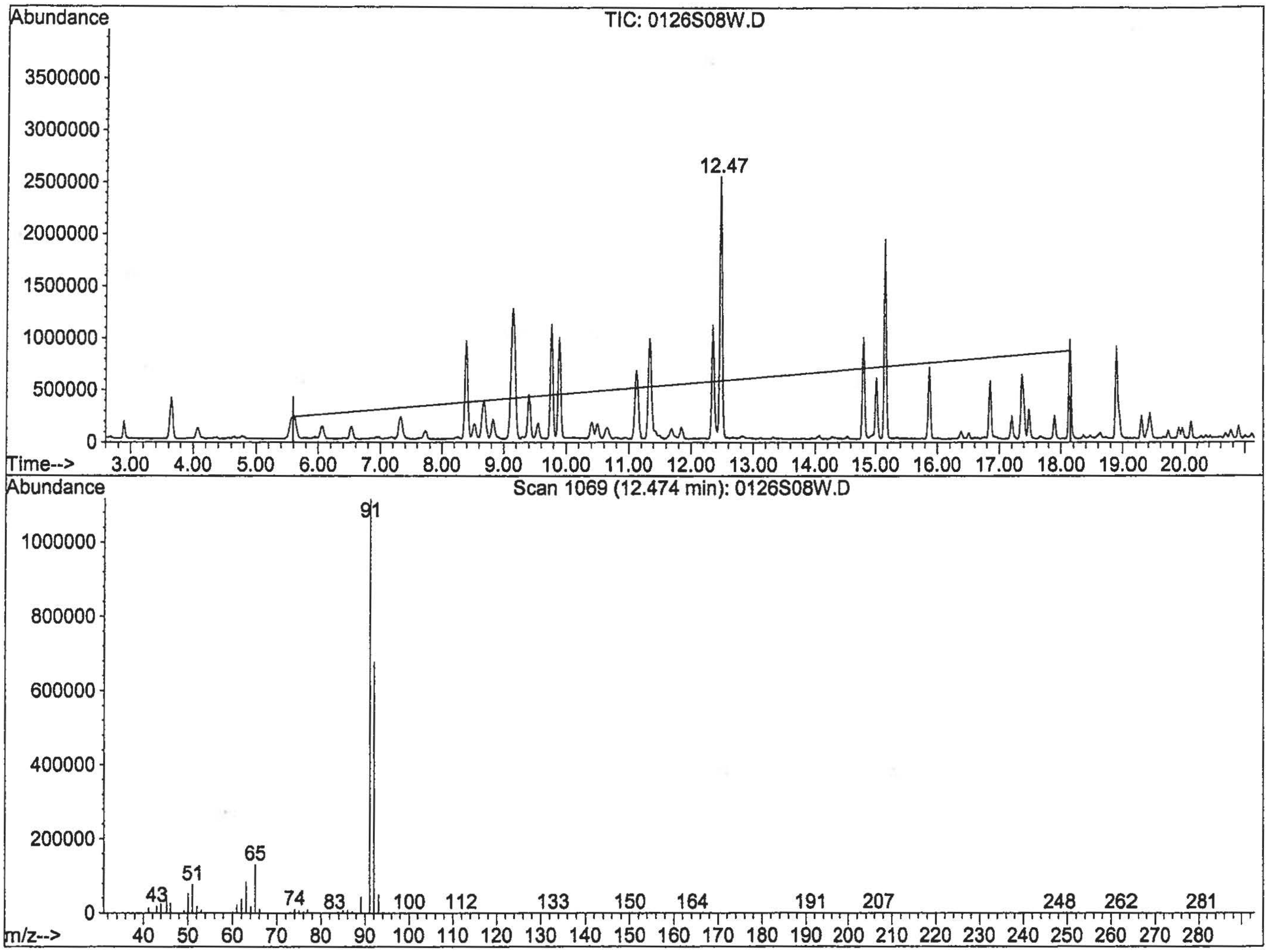
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D          Vial: 8
Acq On    : 26 Jan 11  15:17                          Operator: GM
Sample    : Vol Std 01-26-11@600ug/L                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 11 16:36 2011                Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```



TIC: 0126S08W.D

(2) Gasoline (TMHB)

12.48min 317.8874ppb m

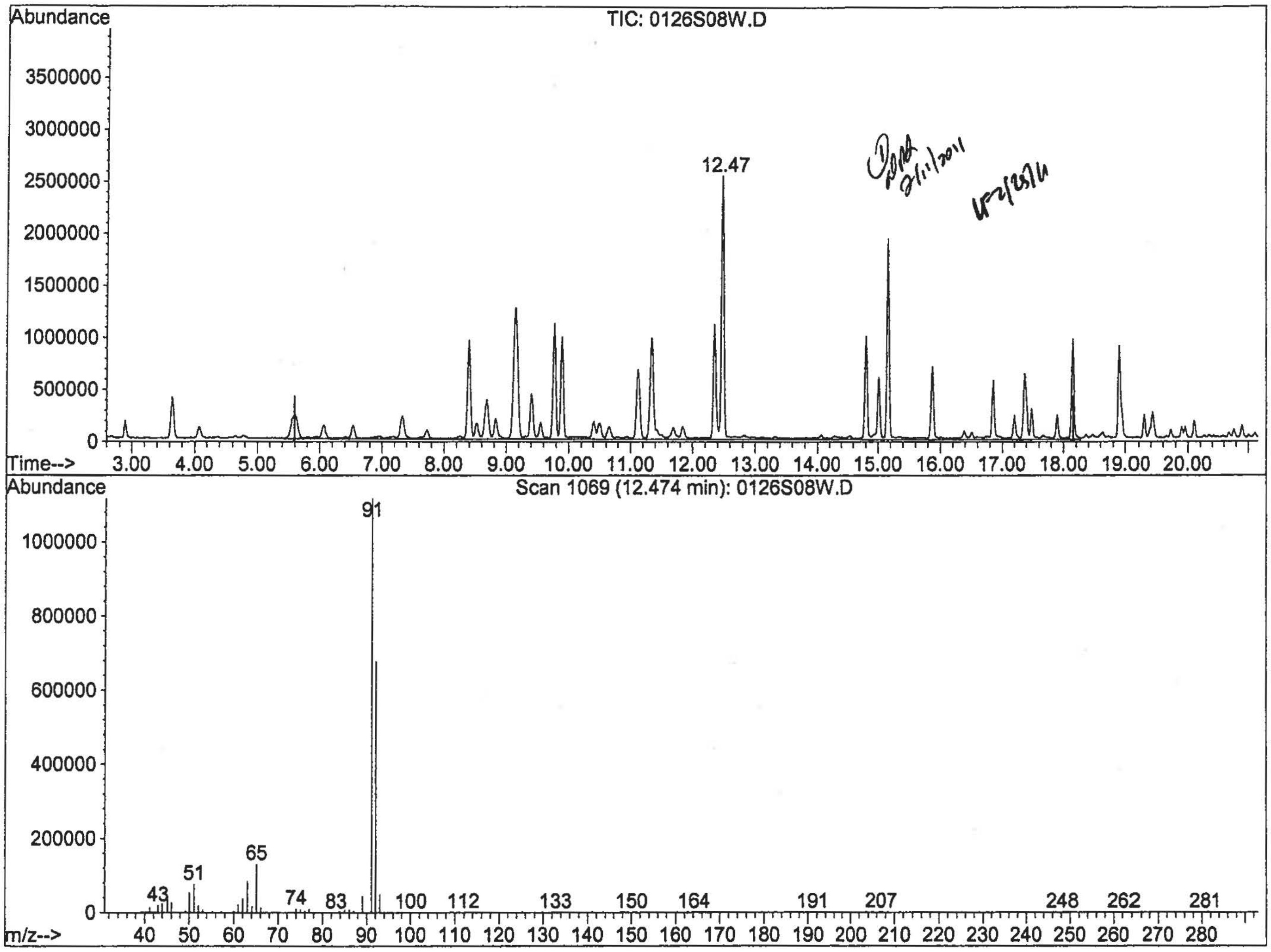
response 50063077

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.17#
0.00	0.00	0.51#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S08W.D          Vial: 8
Acq On    : 26 Jan 11  15:17                         Operator: GM
Sample    : Vol Std 01-26-11@600ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:40 2011              Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:05:17 2011
Response via  : Multiple Level Calibration
```



TIC: 0126S08W.D

(2) Gasoline (TMHB)

12.47min 563.8820ppb m

response 73174638

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.12#
0.00	0.00	0.35#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D Vial: 9
Acq On : 26 Jan 11 15:53 Operator: GM
Sample : Vol Std 01-26-11@800ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:40 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	1026845	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.80	TIC	893978	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	800973	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2969918	23.15066 ppb	0.00
Spiked Amount 24.523				Recovery = 94.405%	
5) Toluene-D8(S)	12.35	TIC	3130901	26.72254 ppb	0.00
Spiked Amount 23.425				Recovery = 114.078%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1432475	25.19687 ppb	0.00
Spiked Amount 23.162				Recovery = 108.784%	
Target Compounds					Qvalue
2) Gasoline	12.48	TIC	95989351m	882.56728 ppb	100

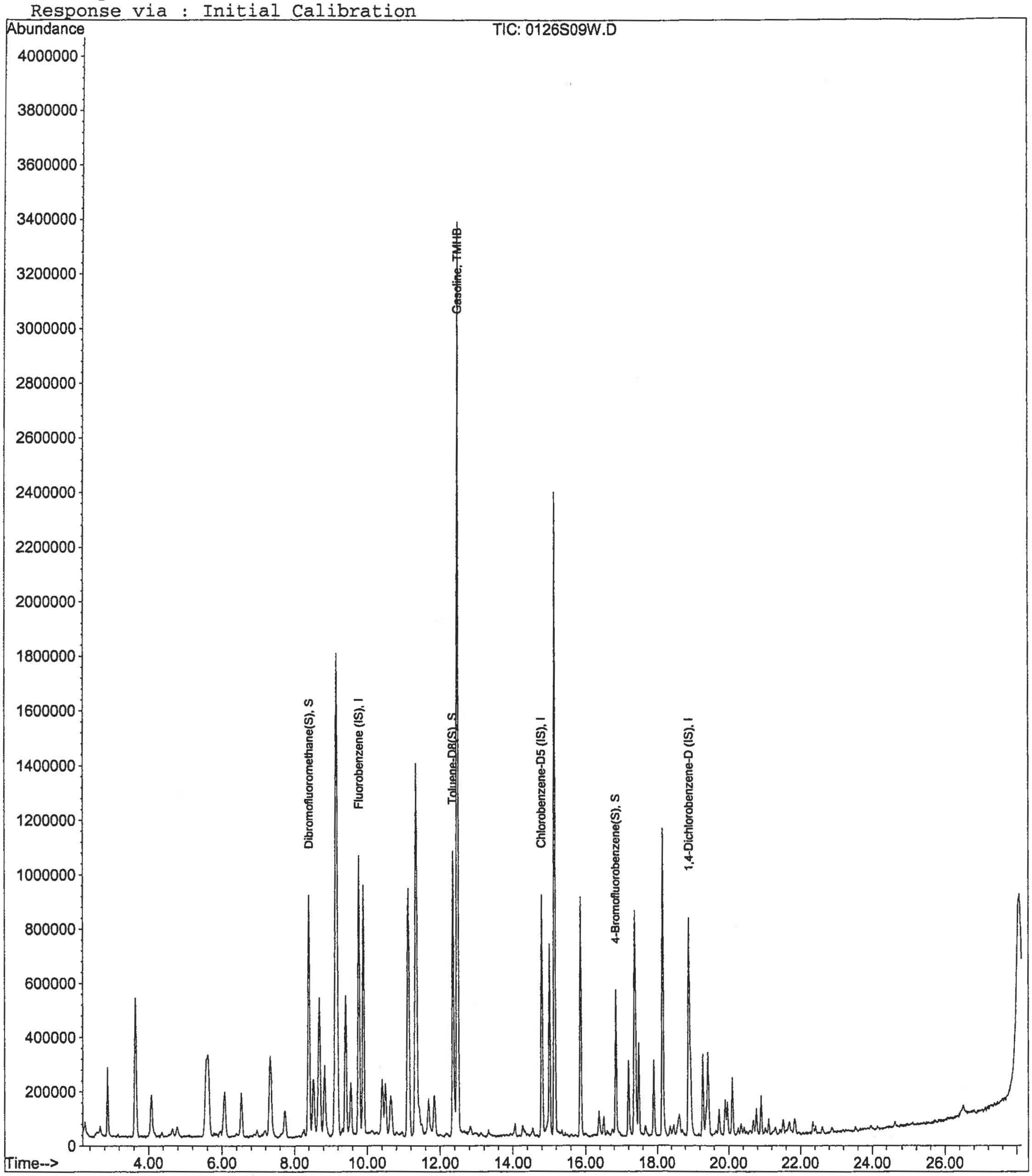
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D Vial: 9
Acq On : 26 Jan 11 15:53 Operator: GM
Sample : Vol Std 01-26-11@800ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:40 2011 Quant Results File: SGAS.RES

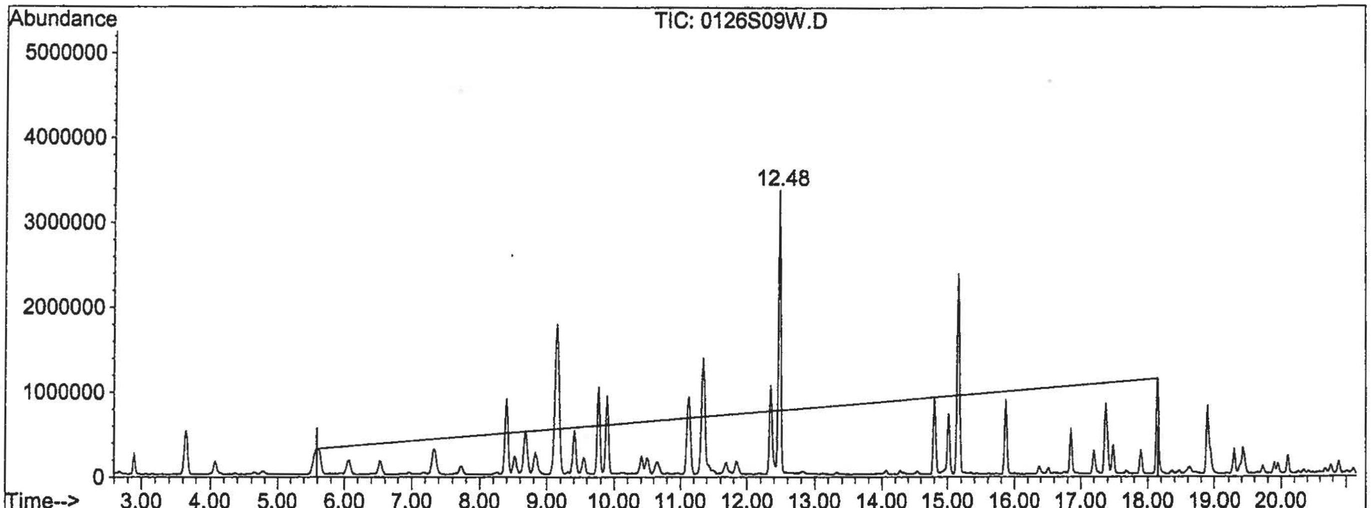
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

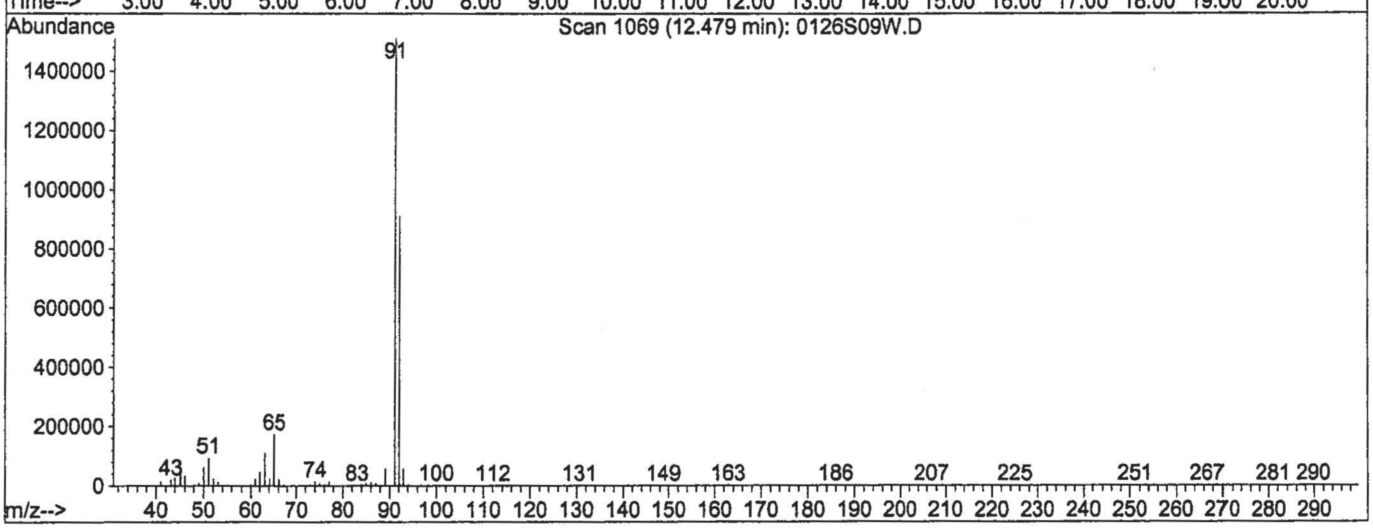


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D          Vial: 9
Acq On    : 26 Jan 11  15:53                         Operator: GM
Sample    : Vol Std 01-26-11@800ug/L                 Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:36 2011              Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S09W.D

(2) Gasoline (TMHB)

12.48min 506.0278ppb m

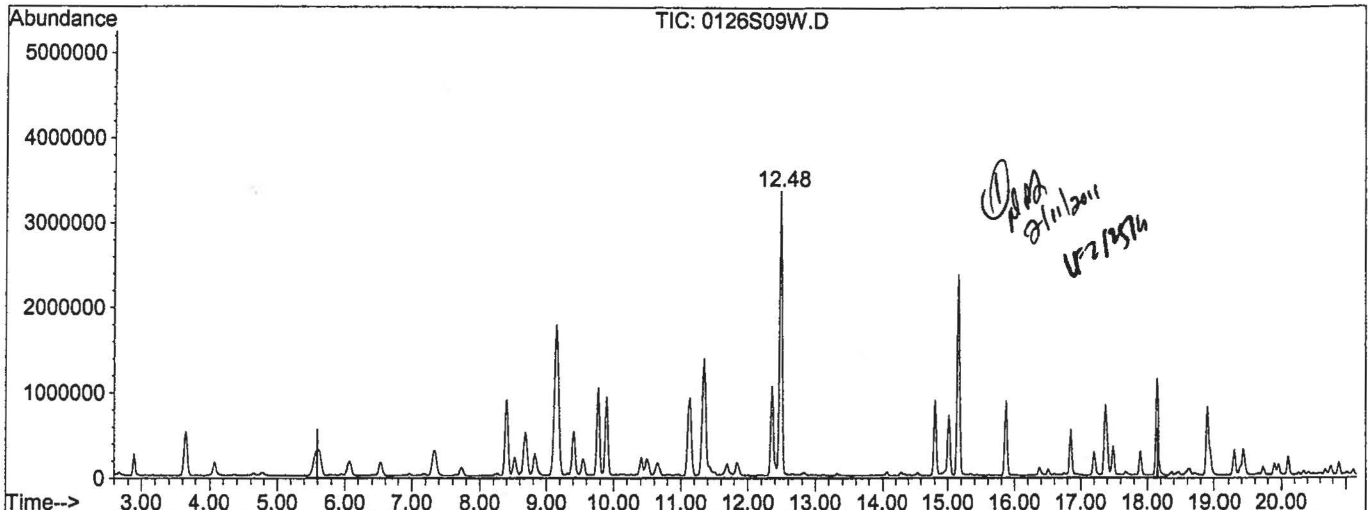
response 63057746

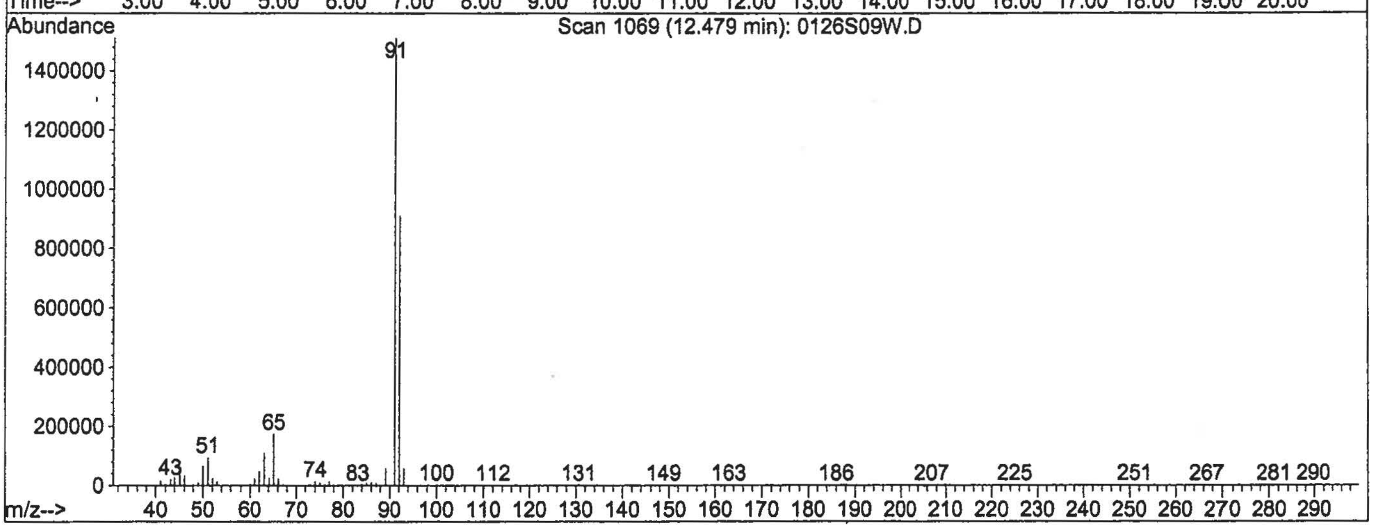
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.11#
0.00	0.00	0.38#
0.00	0.00	0.00

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S09W.D Vial: 9
Acq On : 26 Jan 11 15:53 Operator: GM
Sample : Vol Std 01-26-11@800ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00
Quant Time: Feb 11 16:40 2011 Quant Results File: temp.res

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Multiple Level Calibration





TIC: 0126S09W.D

(2) Gasoline (TMHB)

12.48min 882.5673ppb m

response 95989351

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.07#
0.00	0.00	0.25#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D Vial: 10
Acq On : 26 Jan 11 16:29 Operator: GM
Sample : Vol Std 01-26-11@1000ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:41 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:05:17 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

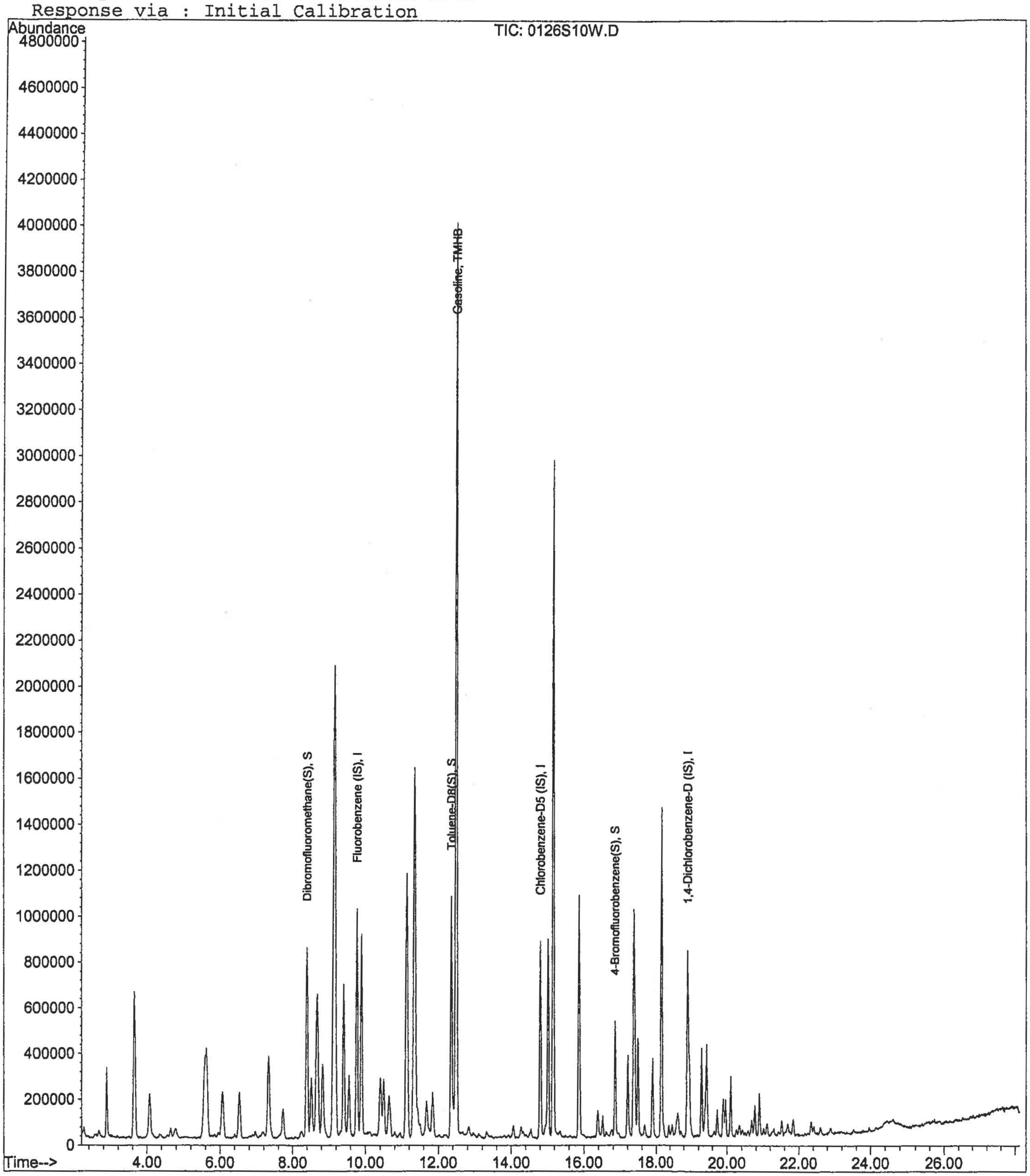
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	989605	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	861241	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	813923	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2799429	22.64287 ppb	0.00
Spiked Amount 24.523				Recovery = 92.334%	
5) Toluene-D8(S)	12.35	TIC	3210542	28.44388 ppb	0.00
Spiked Amount 23.425				Recovery = 121.425%	
6) 4-Bromofluorobenzene(S)	16.85	TIC	1437505	26.24648 ppb	0.00
Spiked Amount 23.162				Recovery = 113.313%	
Target Compounds					Qvalue
2) Gasoline	12.48	TIC	108682600m	1074.46501 ppb	100

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D Vial: 10
Acq On : 26 Jan 11 16:29 Operator: GM
Sample : Vol Std 01-26-11@1000ug/L Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:41 2011 Quant Results File: SGAS.RES

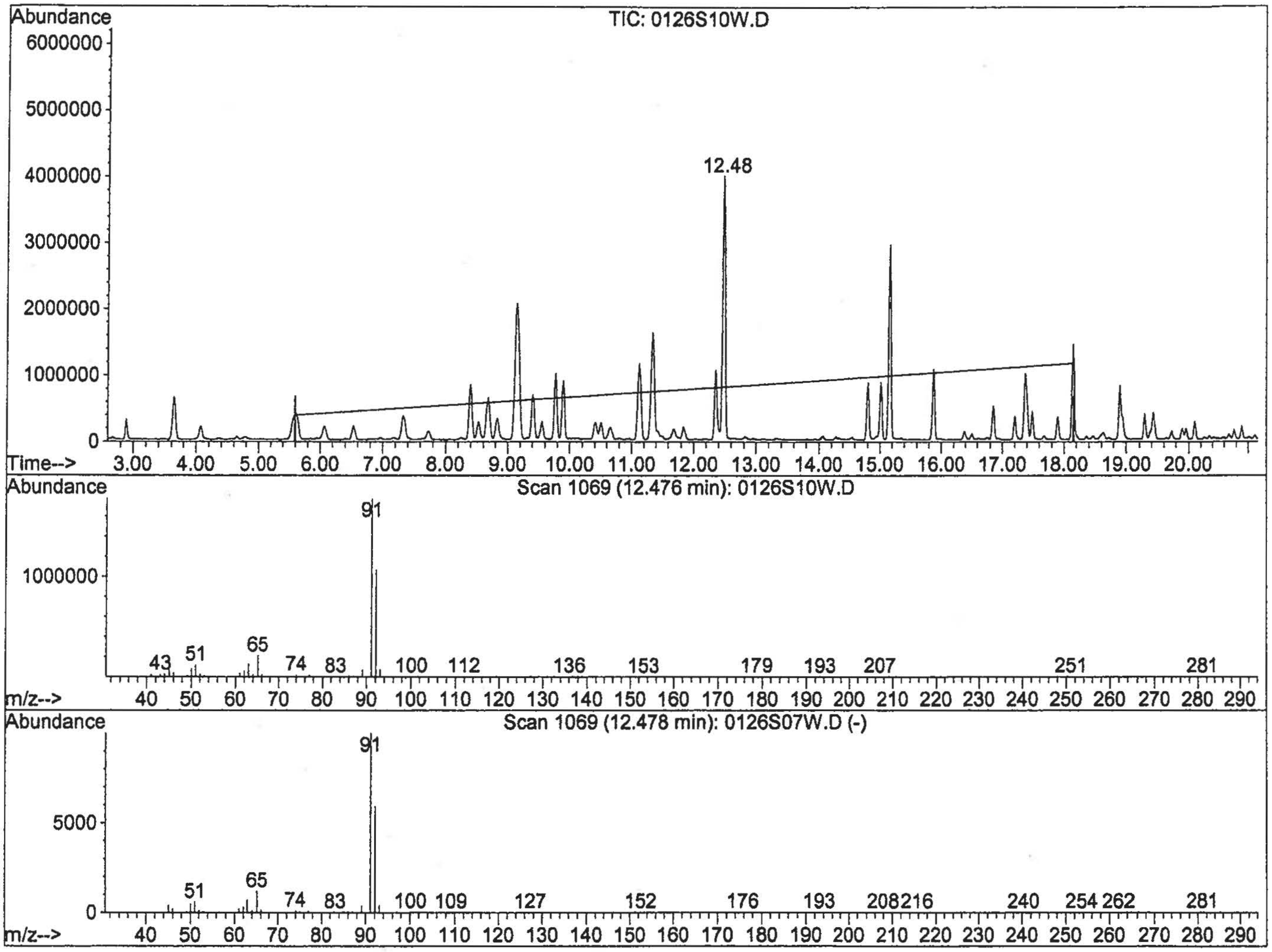
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D          Vial: 10
Acq On    : 26 Jan 11  16:29                         Operator: GM
Sample    : Vol Std 01-26-11@1000ug/L                Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:36 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:05:17 2011
Response via   : Multiple Level Calibration
```



TIC: 0126S10W.D

(2) Gasoline (TMHB)

12.48min 703.6196ppb m

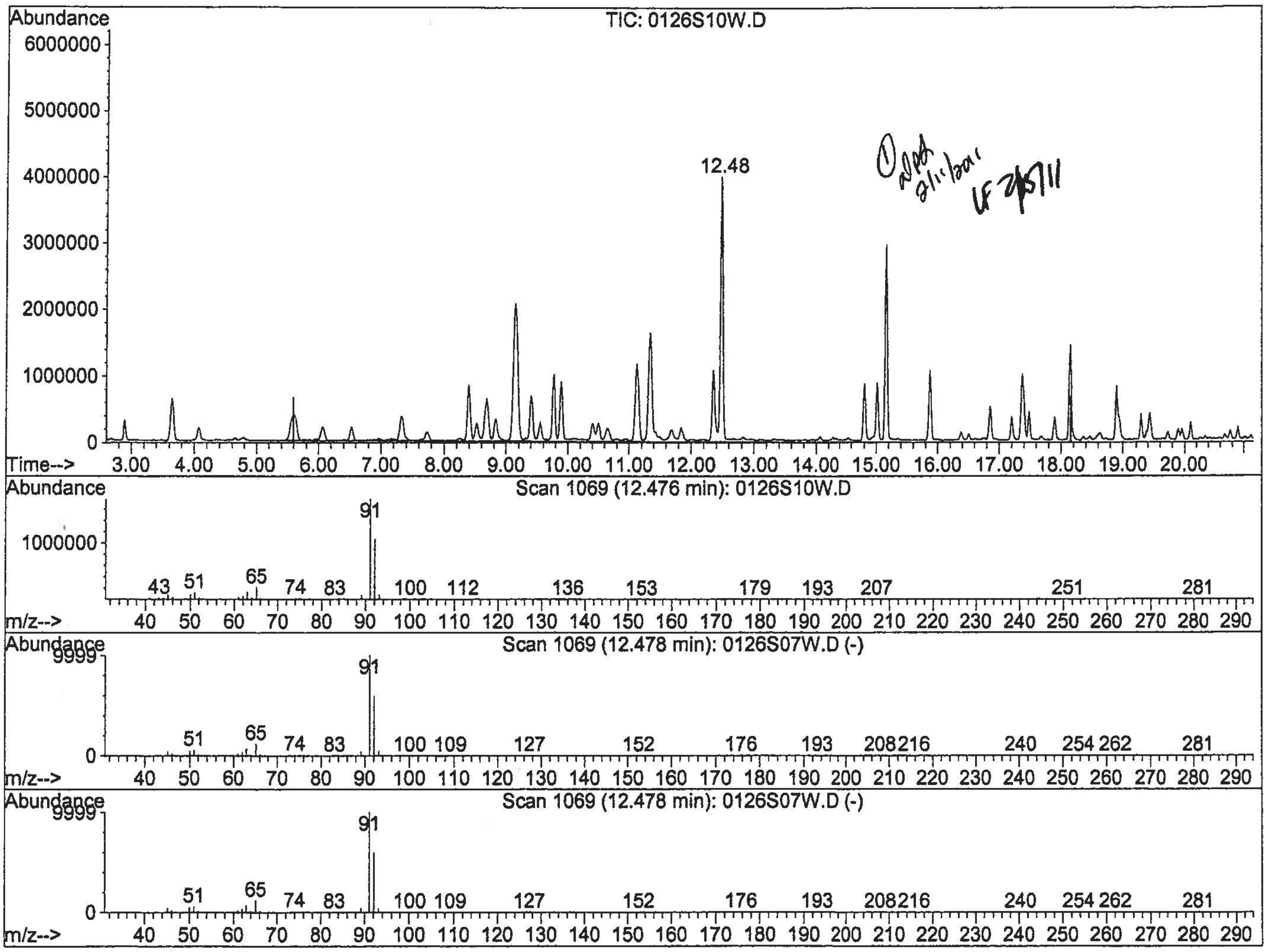
response 77425239

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.10#
0.00	0.00	0.31#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S10W.D          Vial: 10
Acq On    : 26 Jan 11  16:29                         Operator: GM
Sample    : Vol Std 01-26-11@1000ug/L                Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:41 2011               Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:05:17 2011
Response via  : Multiple Level Calibration
```



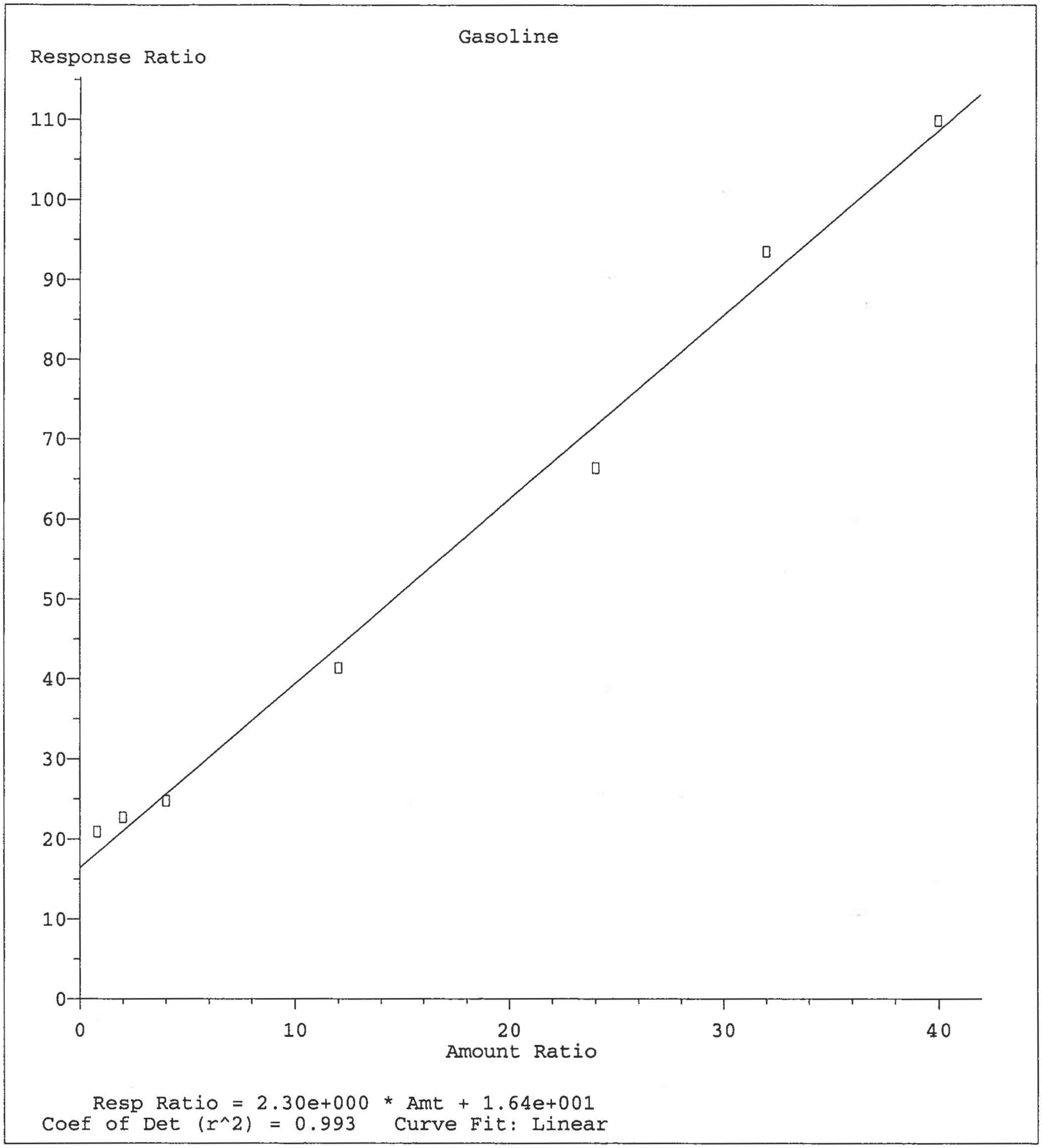
TIC: 0126S10W.D

(2) Gasoline (TMHB)

12.48min 1074.4650ppb m

response 108682600

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.07#
0.00	0.00	0.22#
0.00	0.00	0.00



Method Name: M:\SWEETPEA\DATA\S110126\SGAS.M
Calibration Table Last Updated: Fri Feb 11 16:43:15 2011

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

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

SDG No: 63706
Date Analyzed: 1/26/11
Instrument: Sweetpea
Initial Cal. Date: 1/26/11
Data File: 0126S11W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline	7.929	2.781	65	TMHBL	8.9
3	S	Dibromofluoromethane(S)	3.123	3.064	1.9	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	3.276	3.240	1.1	S	
6	S	4-Bromofluorobenzene(S)	1.590	1.505	5.4	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
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24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			18.4		

Quantitation Report (QT Reviewed)

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                          Operator: GM
Sample    : GAS 600ug/L (SS)                          Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 11 16:56 2011               Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards                 R.T. QIon  Response  Conc Units   Dev(Min)
-----------------------------------------------------------------------------
  1) Fluorobenzene (IS)             9.77  TIC  1068449    25.00000 ppb     0.00
  4) Chlorobenzene-D5 (IS)         14.80  TIC   952977    25.00000 ppb     0.00
  7) 1,4-Dichlorobenzene-D (IS)    18.89  TIC   825175    25.00000 ppb     0.00

System Monitoring Compounds
  3) Dibromofluoromethane(S)        8.39  TIC  2992454    22.41803 ppb     0.00
  Spiked Amount      24.523                       Recovery   =   91.416%
  5) Toluene-D8(S)                 12.35  TIC  3100420    24.82409 ppb     0.00
  Spiked Amount      23.425                       Recovery   =  105.972%
  6) 4-Bromofluorobenzene(S)       16.85  TIC  1460106    24.09286 ppb     0.00
  Spiked Amount      23.162                       Recovery   =  104.017%

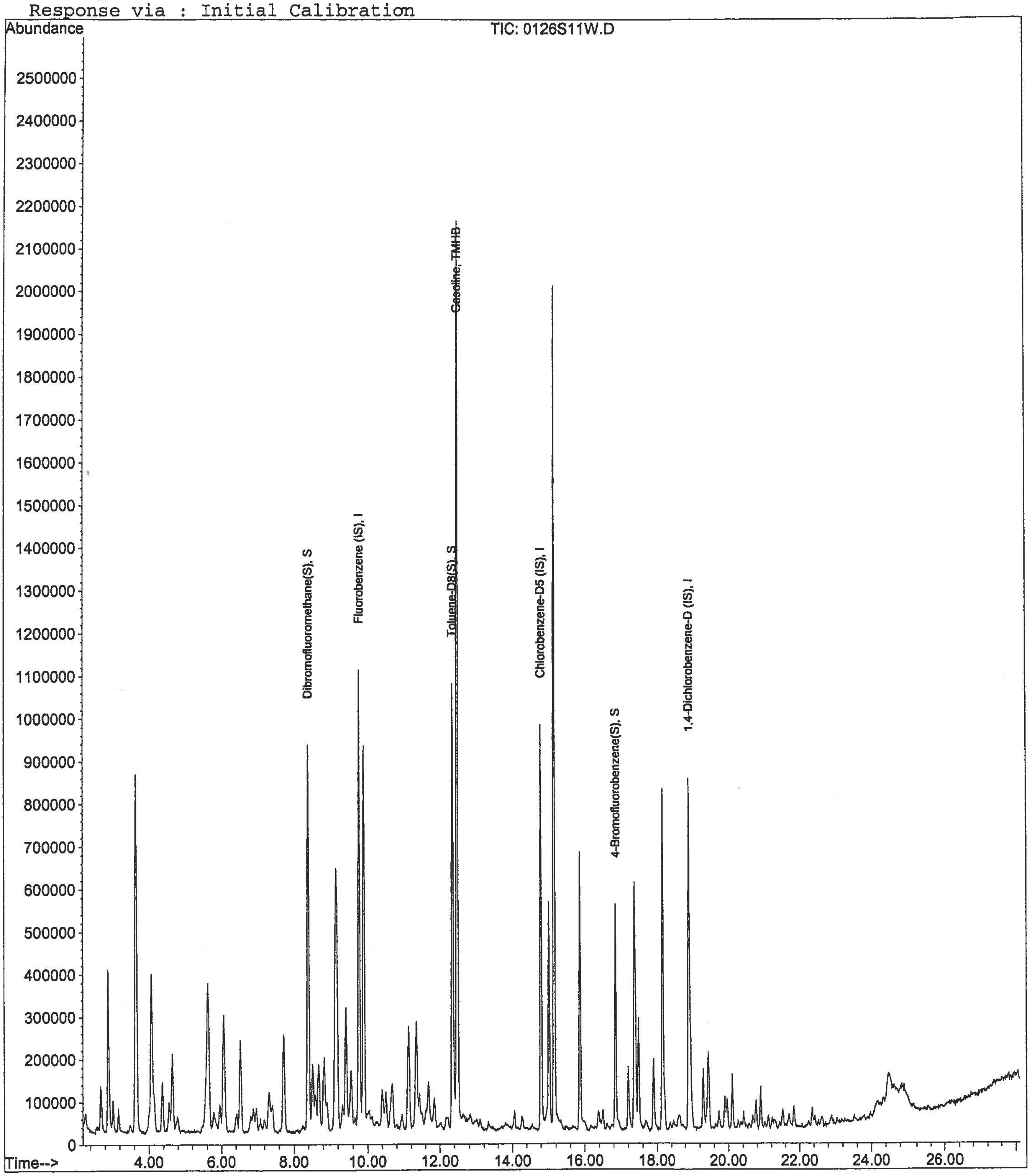
Target Compounds                                                     Qvalue
  2) Gasoline                      12.47  TIC 71314740m  546.37016 ppb      100
```

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D Vial: 11
Acq On : 26 Jan 11 17:05 Operator: GM
Sample : GAS 600ug/L (SS) Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 11 16:56 2011 Quant Results File: SGAS.RES

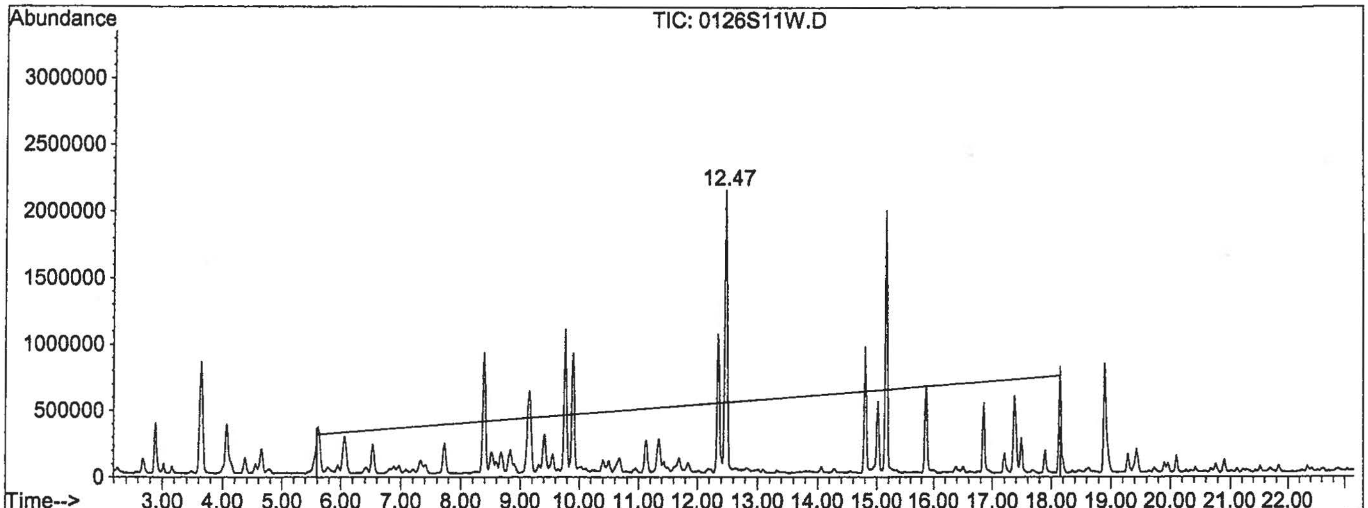
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

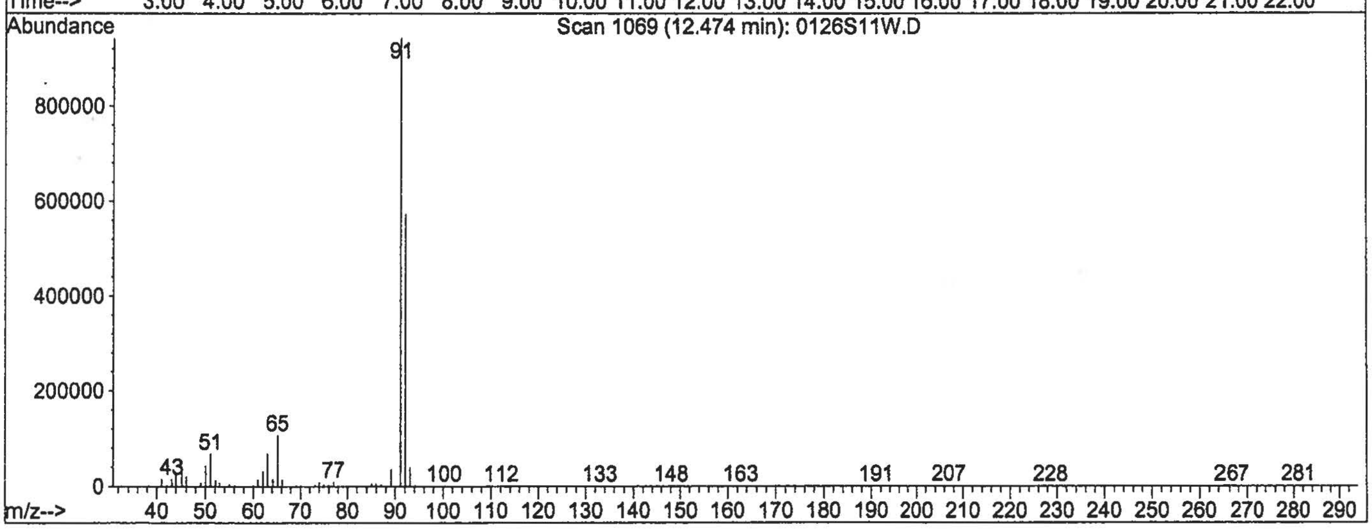


Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                        Operator: GM
Sample    : GAS 600ug/L (SS)                        Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11               Multiplr: 1.00
Quant Time: Feb 11 16:47 2011             Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S11W.D

(2) Gasoline (TMHB)

12.48min 265.3103ppb m

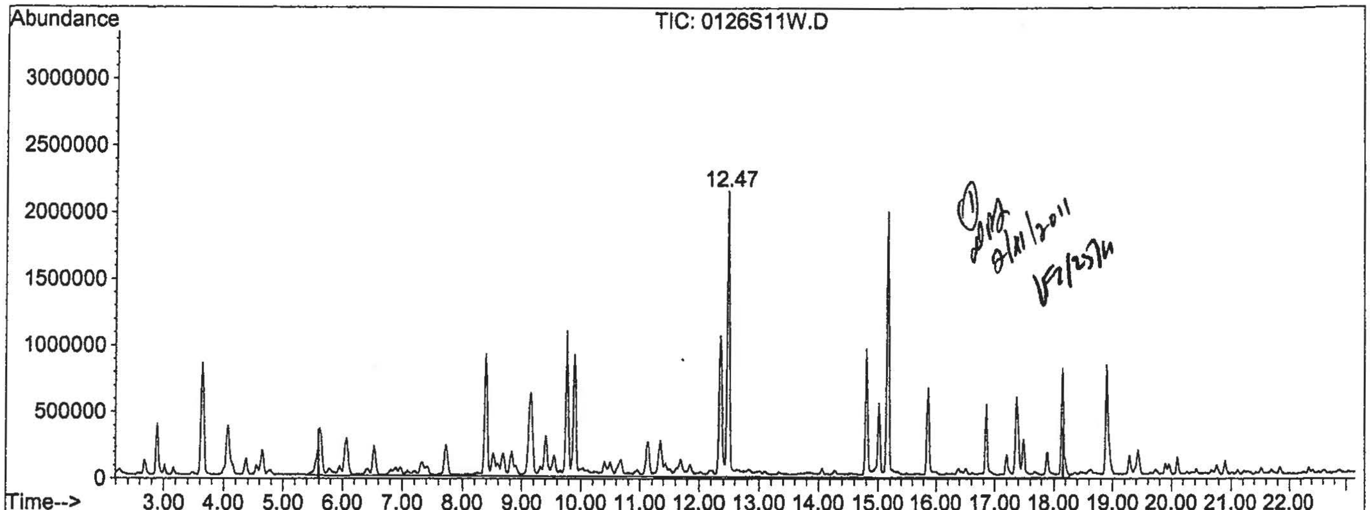
response 43646522

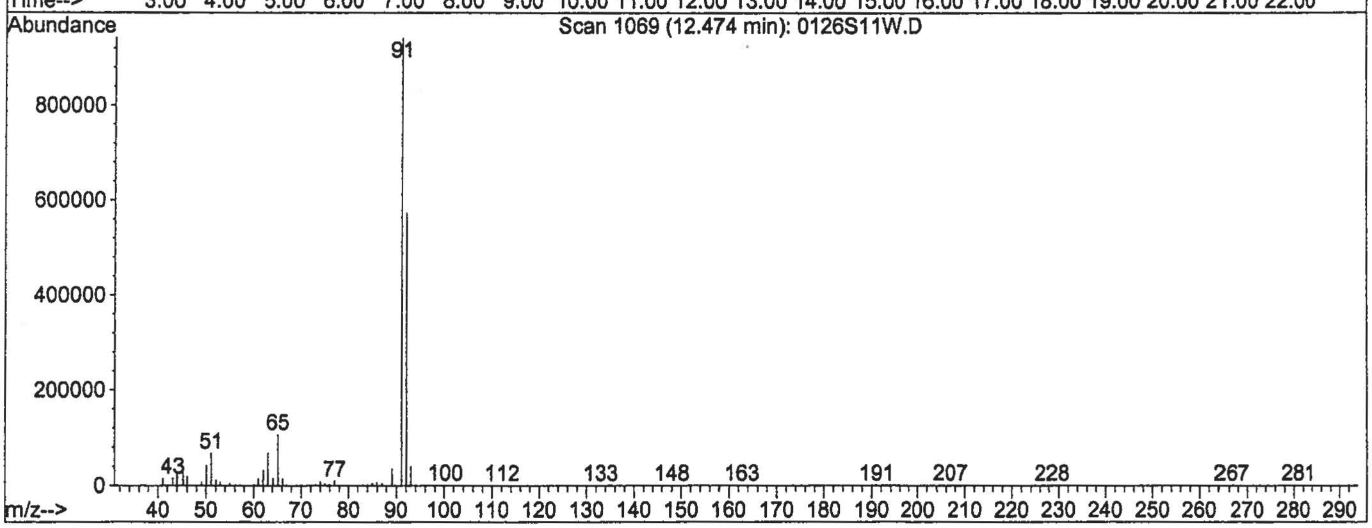
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.19#
0.00	0.00	0.55#
0.00	0.00	0.00

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S11W.D          Vial: 11
Acq On    : 26 Jan 11  17:05                         Operator: GM
Sample    : GAS 600ug/L (SS)                         Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 11 16:56 2011                  Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S11W.D

(2) Gasoline (TMHB)

12.47min 546.3702ppb m

response 71314740

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.12#
0.00	0.00	0.34#
0.00	0.00	0.00

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

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

SDG No: 63706
Date Analyzed: 1/27/11
Instrument: Sweetpea
Initial Cal. Date: 1/26/11
Data File: 0126S35W.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline	7.929	2.827	64	TMHBL	7.0
3	S	Dibromofluoromethane(S)	3.123	3.394	8.7	S	
4	I	Chlorobenzene-D5 (IS)	ISTD			I	
5	S	Toluene-D8(S)	3.276	3.743	14	S	
6	S	4-Bromofluorobenzene(S)	1.590	1.618	1.7	S	
7	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
8							
9							
10							
11							
12							
13							
14							
15							
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29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			22.1		

Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D Vial: 35
Acq On : 27 Jan 11 9:15 Operator: GM
Sample : GAS 600ug/L STD LCS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:42 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

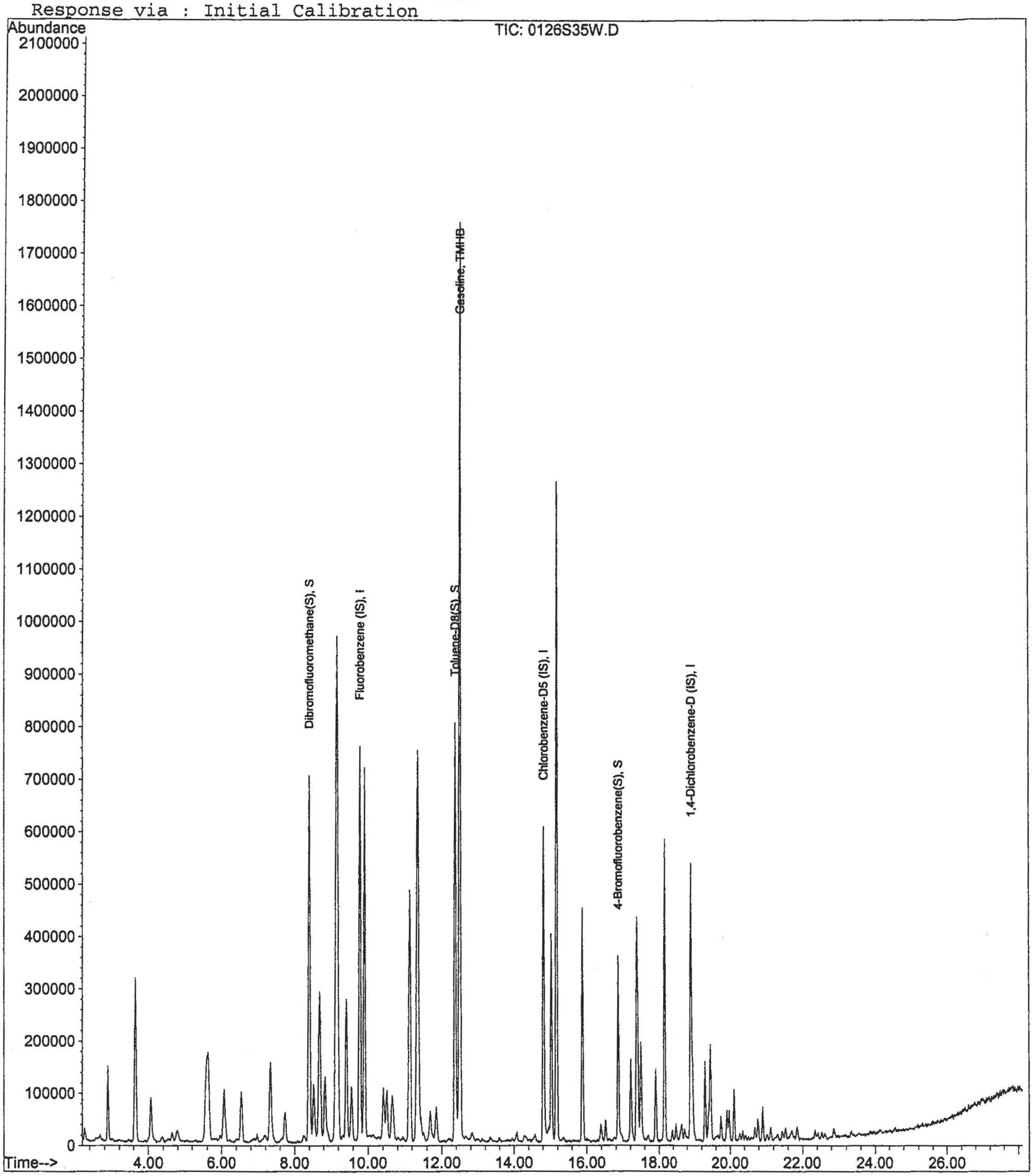
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	752563	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.82	TIC	602708	25.00000 ppb	0.01
7) 1,4-Dichlorobenzene-D (IS)	18.91	TIC	528360	25.00000 ppb	0.01
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2334987	24.83507 ppb	0.00
Spiked Amount 24.523			Recovery	= 101.272%	
5) Toluene-D8(S)	12.36	TIC	2264982	28.67431 ppb	0.01
Spiked Amount 23.425			Recovery	= 122.407%	
6) 4-Bromofluorobenzene(S)	16.86	TIC	992798	25.90242 ppb	0.01
Spiked Amount 23.162			Recovery	= 111.827%	
Target Compounds					Qvalue
2) Gasoline	12.49	TIC	51052248m	558.22004 ppb	100

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

Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D Vial: 35
Acq On : 27 Jan 11 9:15 Operator: GM
Sample : GAS 600ug/L STD LCS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

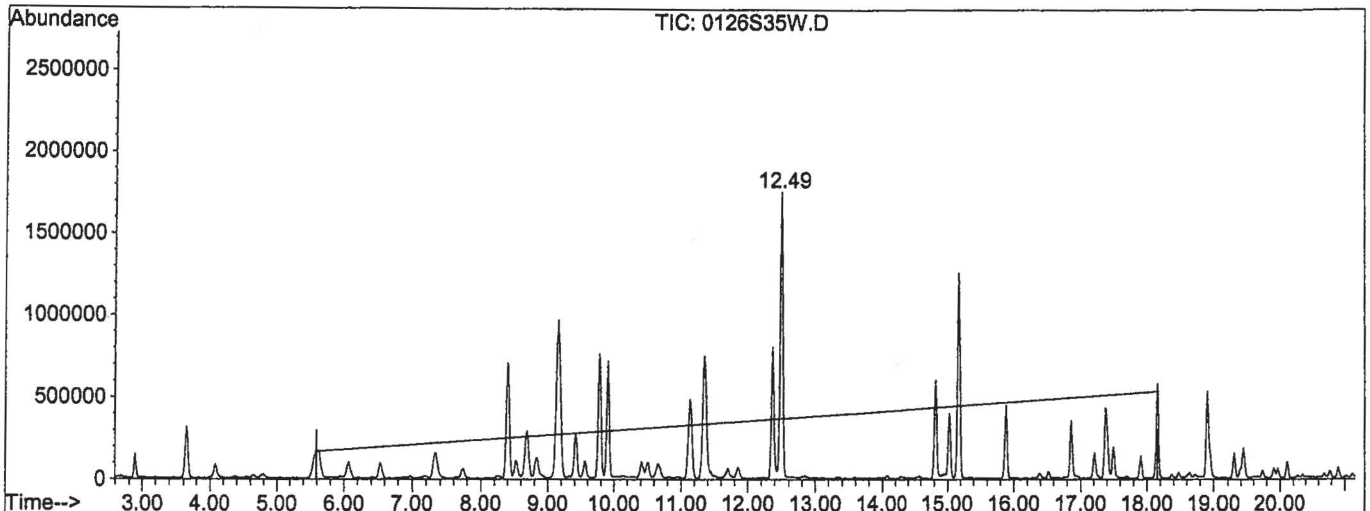
Quant Time: Feb 14 10:42 2011 Quant Results File: SGAS.RES

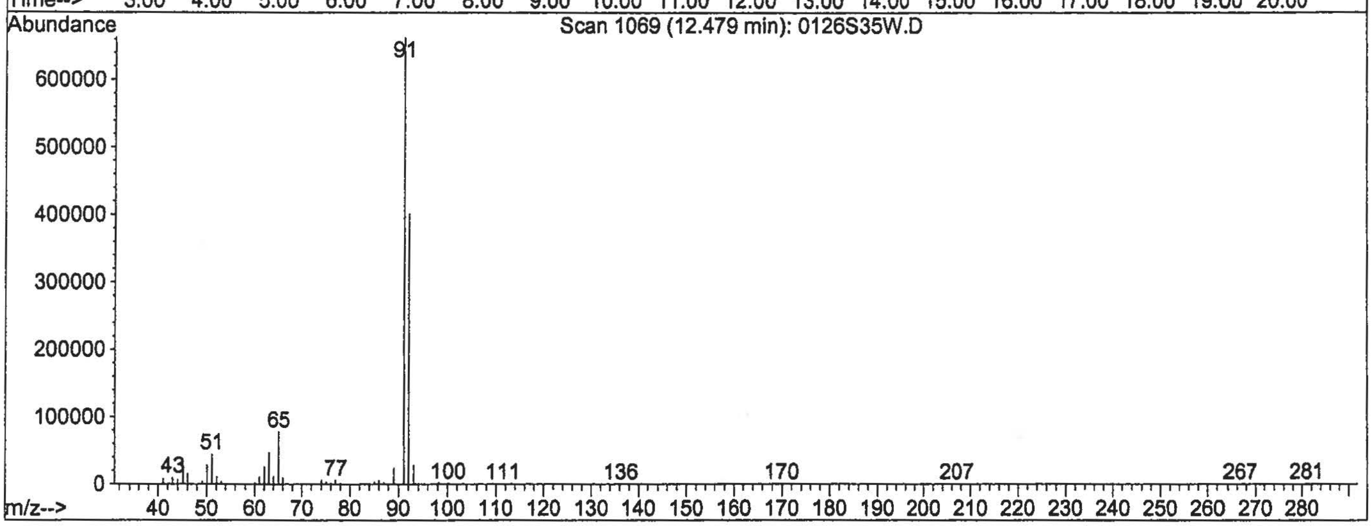
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



```
Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D          Vial: 35
Acq On    : 27 Jan 11    9:15                        Operator: GM
Sample    : GAS 600ug/L STD LCS-1WS                  Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 14 10:42 2011              Quant Results File: temp.res

Method          : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title           : METHOD 8260B
Last Update     : Fri Feb 11 16:43:15 2011
Response via    : Multiple Level Calibration
```





TIC: 0126S35W.D

(2) Gasoline (TMHB)

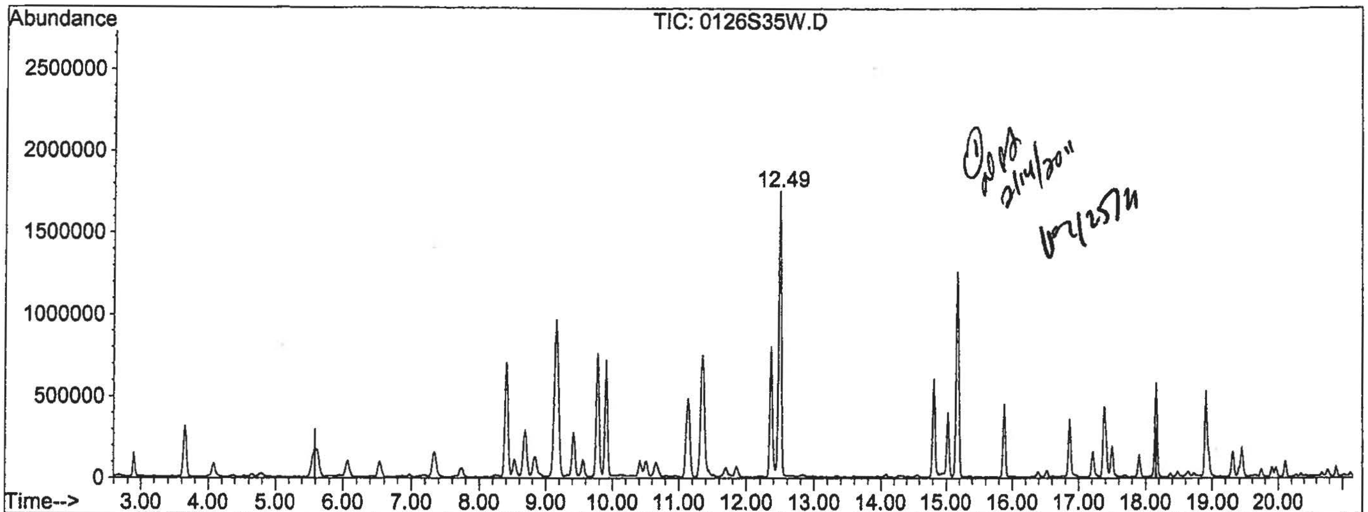
12.48min 315.3562ppb m

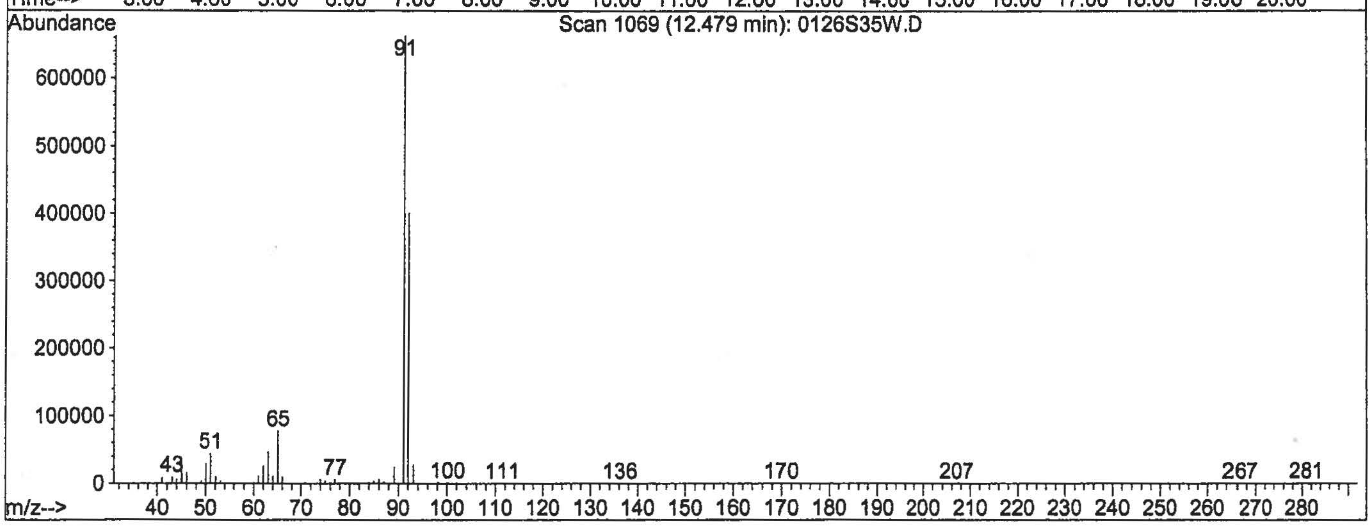
response 34212549

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.14#
0.00	0.00	0.46#
0.00	0.00	0.00

```
Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D          Vial: 35
Acq On    : 27 Jan 11   9:15                         Operator: GM
Sample    : GAS 600ug/L STD LCS-1WS                  Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00
Quant Time: Feb 14 10:42 2011              Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S35W.D

(2) Gasoline (TMHB)

12.49min 558.2200ppb m

response 51052248

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.09#
0.00	0.00	0.31#
0.00	0.00	0.00

0126S35W.D SGAS.M Mon Feb 14 10:42:33 2011

EPA METHOD 8260B
Volatile Organic Compounds
Raw Data

Method Blank
EPA 8260B VOCs + Gas Water

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **110126W-30578 - 151943**
Batch ID: #86RHB-110126AS

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	1/27/11	1/27/11
BLANK	1,1,1-TRICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	1,1,2,2-TETRACHLOROETHANE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
BLANK	1,1,2-TRICHLOROETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
BLANK	1,1-DICHLOROETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	1,1-DICHLOROETHENE	0.60 U	1.0	0.60	0.30	ug/L	1/27/11	1/27/11
BLANK	1,2,3-TRICHLOROPROPANE	0.78 U	2.0	0.78	0.39	ug/L	1/27/11	1/27/11
BLANK	1,2,4-TRICHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
BLANK	1,2-DIBROMO-3-CHLOROPROPA	1.52 U	2.0	1.52	0.76	ug/L	1/27/11	1/27/11
BLANK	1,2-DIBROMOETHANE	0.40 U	1.0	0.40	0.20	ug/L	1/27/11	1/27/11
BLANK	1,2-DICHLOROBENZENE	0.54 J	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
BLANK	1,2-DICHLOROETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	1,2-DICHLOROPROPANE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
BLANK	1,3-DICHLOROBENZENE	0.22 U	1.0	0.22	0.11	ug/L	1/27/11	1/27/11
BLANK	1,3-DICHLOROPROPENE, TOTAL	0.36 U	1.0	0.36	0.18	ug/L	1/27/11	1/27/11
BLANK	1,4-DICHLOROBENZENE	0.58 J	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	2-BUTANONE	1.20 U	10.0	1.20	0.60	ug/L	1/27/11	1/27/11
BLANK	4-METHYL-2-PENTANONE	3.80 U	10.0	3.80	1.90	ug/L	1/27/11	1/27/11
BLANK	ACETONE	1.90 U	10.0	1.90	0.95	ug/L	1/27/11	1/27/11
BLANK	BENZENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
BLANK	BROMODICHLOROMETHANE	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	BROMOFORM	0.28 U	1.0	0.28	0.14	ug/L	1/27/11	1/27/11
BLANK	BROMOMETHANE	0.48 U	2.0	0.48	0.24	ug/L	1/27/11	1/27/11
BLANK	CARBON TETRACHLORIDE	0.20 U	1.0	0.20	0.10	ug/L	1/27/11	1/27/11
BLANK	CHLOROBENZENE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
BLANK	CHLORODIBROMOMETHANE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	CHLOROETHANE	0.42 U	1.0	0.42	0.21	ug/L	1/27/11	1/27/11
BLANK	CHLOROFORM	0.14 U	1.0	0.14	0.07	ug/L	1/27/11	1/27/11
BLANK	CHLOROMETHANE	0.62 U	1.0	0.62	0.31	ug/L	1/27/11	1/27/11
BLANK	CIS-1,2-DICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
BLANK	ETHYLBENZENE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
BLANK	GASOLINE	12.12 U	20.0	12.12	6.06	ug/L	1/27/11	1/27/11
BLANK	HEXACHLOROBUTADIENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	METHYL TERT-BUTYL ETHER	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11

J = Estimated value.

Quant Method: S86DODW.M
Run #: 0126S40
Instrument: Sweetpea
Sequence: S110126
Initials: DG

GC SC-Blank-REG MDLs
Printed: 2/24/11 1:02:28 PM

Method Blank
EPA 8260B VOCs + Gas Water

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **110126W-30578 - 151943**
Batch ID: #86RHB-110126AS

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.47 J	5.0	0.70	0.35	ug/L	1/27/11	1/27/11
BLANK	STYRENE	0.50 U	1.0	0.50	0.25	ug/L	1/27/11	1/27/11
BLANK	TETRACHLOROETHENE	0.30 U	1.0	0.30	0.15	ug/L	1/27/11	1/27/11
BLANK	TOLUENE	0.34 U	1.0	0.34	0.17	ug/L	1/27/11	1/27/11
BLANK	TRANS-1,2-DICHLOROETHENE	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	TRICHLOROETHENE	0.32 U	1.0	0.32	0.16	ug/L	1/27/11	1/27/11
BLANK	VINYL CHLORIDE	0.46 U	1.0	0.46	0.23	ug/L	1/27/11	1/27/11
BLANK	XYLENES (TOTAL)	0.38 U	1.0	0.38	0.19	ug/L	1/27/11	1/27/11
BLANK	SURROGATE: 1,2-DICHLOROET	117	70-120			%	1/27/11	1/27/11
BLANK	SURROGATE: 4-BROMOFLUOR	109	75-120			%	1/27/11	1/27/11
BLANK	SURROGATE: DIBROMOFLUOR	106	85-115			%	1/27/11	1/27/11
BLANK	SURROGATE: TOLUENE-D8 (S)	104	85-120			%	1/27/11	1/27/11

J = Estimated value.

Quant Method: S86DODW.M
Run #: 0126S40
Instrument: Sweetpea
Sequence: S110126
Initials: DG

GC SC-Blank-REG MDLs
Printed: 2/24/11 1:02:28 PM

Quantitation Report (QT Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S40W.D Vial: 40
Acq On : 27 Jan 11 12:16 Operator: GM
Sample : 110126A BLK-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 11:14 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	372672	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	224000	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.91	152	90216	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.40	111	179798	24.28288 ppb	0.00
Spiked Amount 22.854				Recovery = 106.255%	
23) 1,2-DCA-D4(S)	9.18	65	106130	25.16691 ppb	0.00
Spiked Amount 21.589				Recovery = 116.573%	
36) Toluene-D8(S)	12.37	98	832575	26.13001 ppb	0.00
Spiked Amount 25.102				Recovery = 104.097%	
44) 4-Bromofluorobenzene(S)	16.86	95	214953	27.62284 ppb	0.00
Spiked Amount 25.458				Recovery = 108.502%	
Target Compounds					Qvalue
10) Methylene chloride	5.68	84	1353	0.47224 ppb	99
68) 1,2-DCB	19.61	146	4757	0.54271 ppb	94

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

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S40W.D          Vial: 40
Acq On    : 27 Jan 11   12:16                        Operator: GM
Sample    : 110126A BLK-1WS                          Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 11:14 2011                Quant Results File: S86DODW.RES

Method          : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title           : METHOD 8260B
Last Update     : Thu Feb 10 13:45:43 2011
Response via    : Initial Calibration
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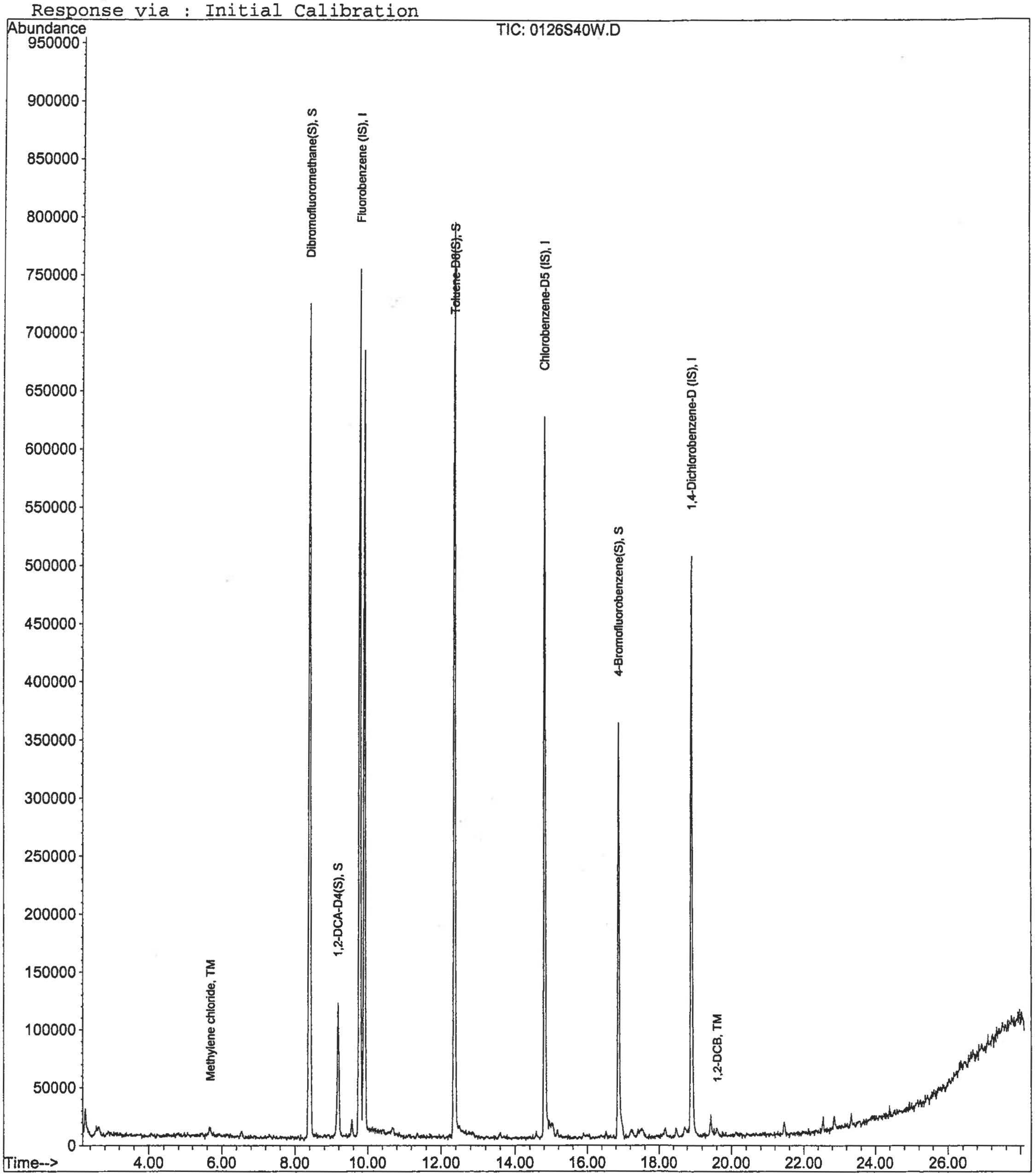
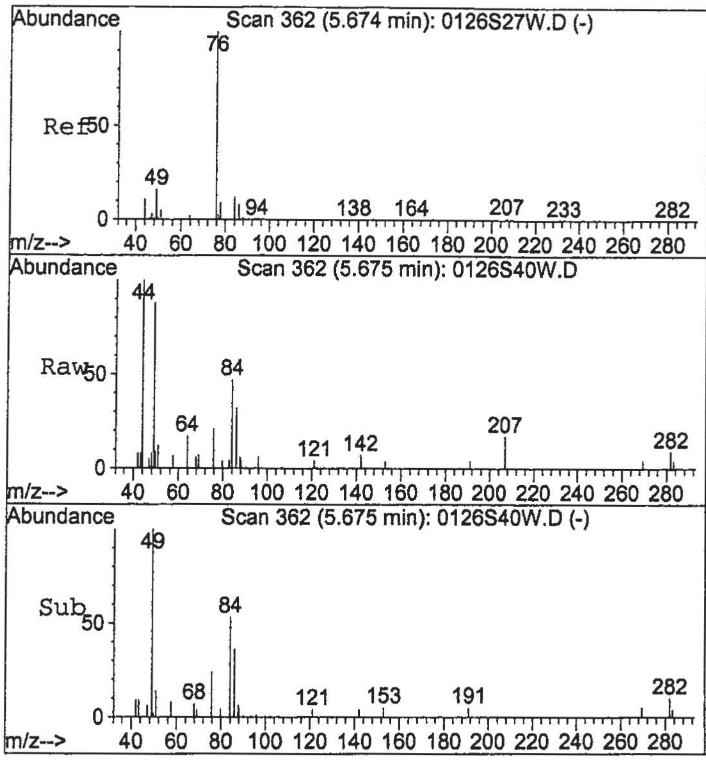
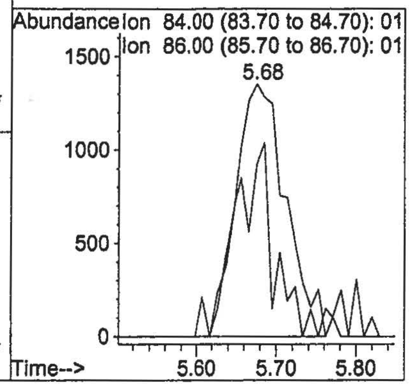


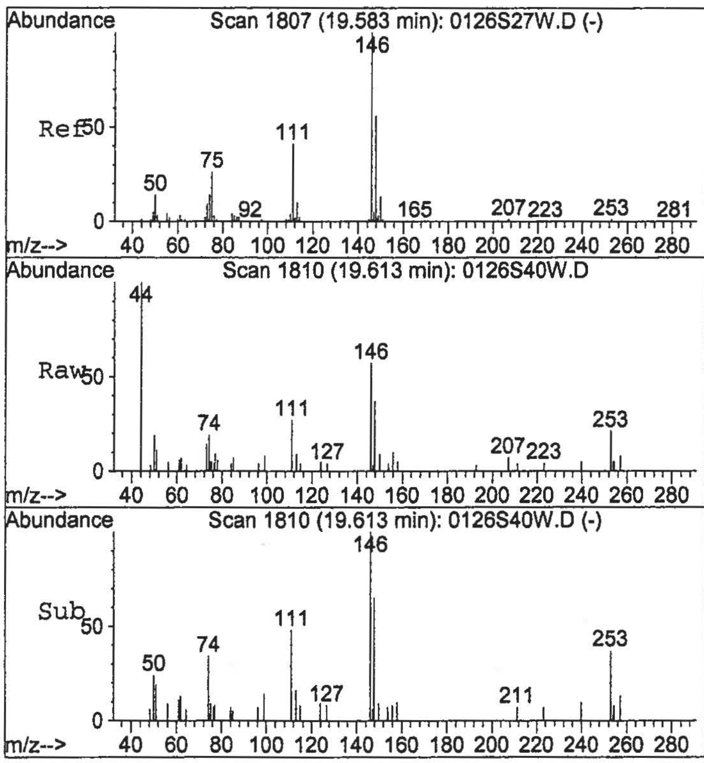


#10
Methylene chloride
Concen: 0.47224 ppb
RT: 5.68 min Scan# 362
Delta R.T. 0.00 min
Lab File: 0126S40W.D
Acq: 27 Jan 11 12:16

Tgt Ion: 84 Resp: 1353

Ion	Ratio	Lower	Upper
84	100		
86	68.3	48.7	90.3

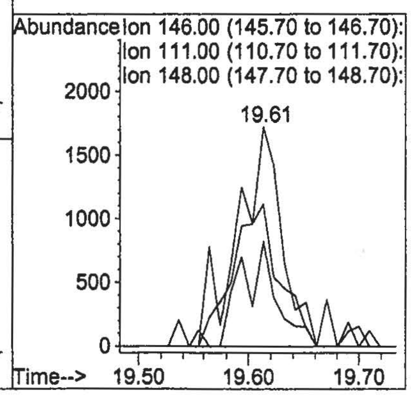




#68
1,2-DCB
Concen: 0.54271 ppb
RT: 19.61 min Scan# 1810
Delta R.T. 0.03 min
Lab File: 0126S40W.D
Acq: 27 Jan 11 12:16

Tgt Ion:146 Resp: 4757

Ion	Ratio	Lower	Upper
146	100		
111	47.7	28.9	53.7
148	58.1	39.2	72.8



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Data File : M:\SWEETPEA\DATA\S110126\0126S40W.D          Vial: 40
Acq On    : 27 Jan 11  12:16                          Operator: GM
Sample    : 110126A BLK-1WS                           Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb 14 10:44 2011              Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260
```

```
Internal Standards                   R.T. QIon  Response  Conc Units   Dev(Min)
-----------------------------------------------------------------------------
  1) Fluorobenzene (IS)              9.78  TIC   747675    25.00000 ppb    0.00
  4) Chlorobenzene-D5 (IS)          14.81  TIC   620802    25.00000 ppb    0.00
  7) 1,4-Dichlorobenzene-D (IS)     18.91  TIC   498679    25.00000 ppb    0.01

System Monitoring Compounds
  3) Dibromofluoromethane(S)         8.40  TIC  2332645    24.97236 ppb    0.00
  Spiked Amount      24.523                        Recovery   =  101.831%
  5) Toluene-D8(S)                  12.37  TIC  2289361    28.13821 ppb    0.01
  Spiked Amount      23.425                        Recovery   =  120.119%
  6) 4-Bromofluorobenzene(S)        16.86  TIC  1017222    25.76612 ppb    0.01
  Spiked Amount      23.162                        Recovery   =  111.240%

Target Compounds                                                      Qvalue
```

```
Data File : M:\SWEETPEA\DATA\S110126\0126S40W.D         Vial: 40
Acq On    : 27 Jan 11  12:16                         Operator: GM
Sample    : 110126A BLK-1WS                          Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                Multiplr: 1.00

Quant Time: Feb 14 10:44 2011             Quant Results File: SGAS.RES

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:43:15 2011
Response via  : Initial Calibration
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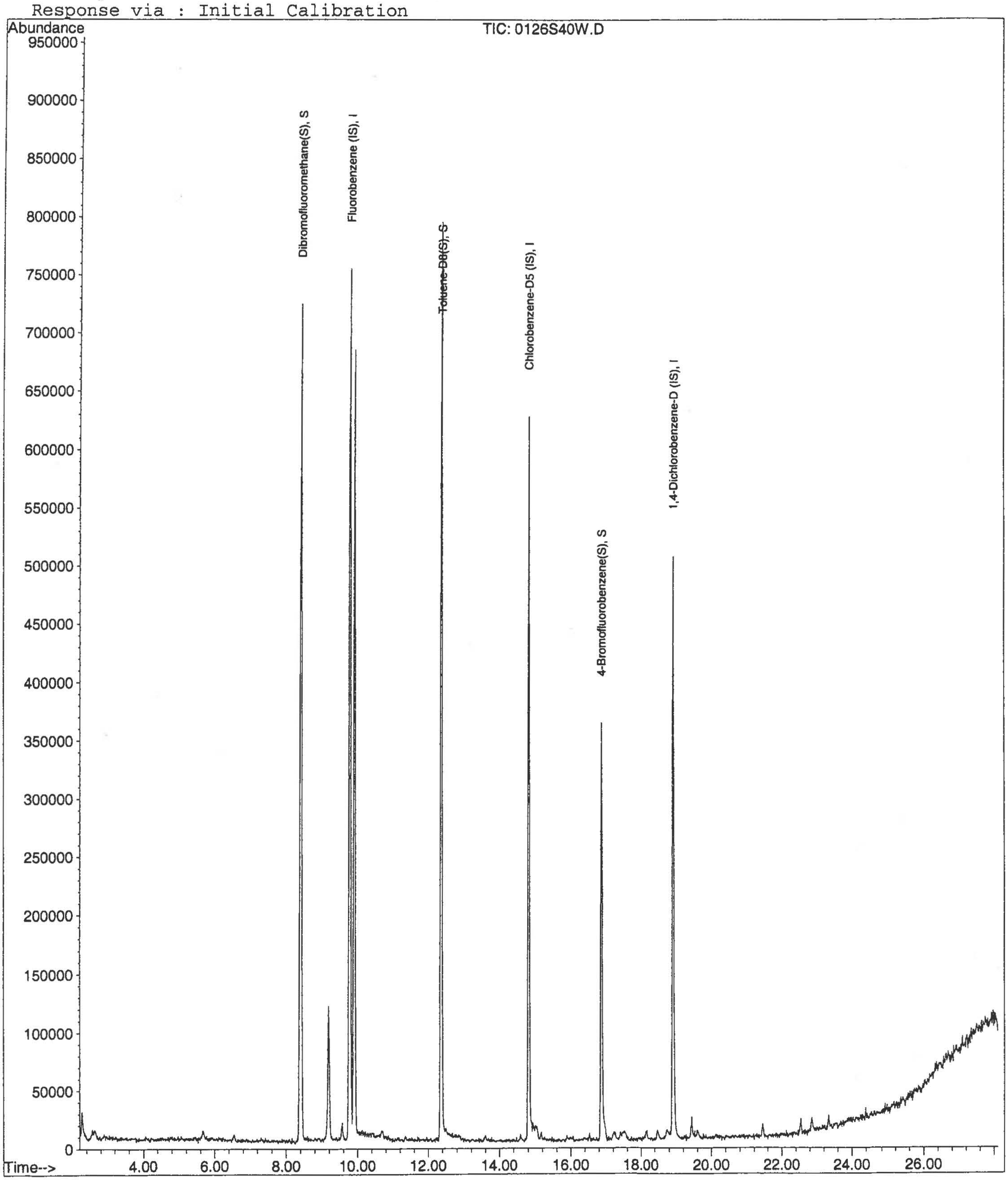


Laboratory Control Spike Recovery
EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 LCS - 151943**
Batch ID: #86RHB-110126AS

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	10.3	103	80-130
1,1,1-TRICHLOROETHANE	10.00	11.2	112	65-130
1,1,2,2-TETRACHLOROETHANE	10.00	10.2	102	65-130
1,1,2-TRICHLOROETHANE	10.00	11.0	110	75-125
1,1-DICHLOROETHANE	10.00	10.8	108	70-135
1,1-DICHLOROETHENE	10.00	10.9	109	70-130
1,2,3-TRICHLOROPROPANE	10.00	9.43	94.3	75-125
1,2,4-TRICHLOROBENZENE	10.00	10.9	109	65-135
1,2-DIBROMO-3-CHLOROPROPANE	10.00	10.3	103	50-130
1,2-DIBROMOETHANE	10.00	9.40	94.0	70-130
1,2-DICHLOROBENZENE	10.00	11.0	110	70-120
1,2-DICHLOROETHANE	10.00	10.6	106	70-130
1,2-DICHLOROPROPANE	10.00	10.8	108	75-125
1,3-DICHLOROBENZENE	10.00	10.8	108	75-125
1,3-DICHLOROPROPENE, TOTAL	20.0	19.7	98.5	70-130
1,4-DICHLOROBENZENE	10.00	10.4	104	75-125
2-BUTANONE	10.00	8.57	85.7	30-150
4-METHYL-2-PENTANONE	10.00	9.93	99.3	60-135
ACETONE	10.00	8.61	86.1	40-140
BENZENE	10.00	10.7	107	80-120
BROMODICHLOROMETHANE	10.00	9.98	99.8	75-120
BROMOFORM	10.00	8.63	86.3	70-130
BROMOMETHANE	10.00	11.0	110	30-145
CARBON TETRACHLORIDE	10.00	11.5	115	65-140
CHLOROBENZENE	10.00	10.6	106	80-120
CHLORODIBROMOMETHANE	10.00	10.1	101	60-135

Comments:

Primary	SPK
Quant Method :	S86DODW.M
Extraction Date :	1/27/11
Analysis Date :	1/27/11
Instrument :	Sweetpea
Run :	0126S38
Initials :	DG

Printed: 2/24/11 1:02:33 PM

APPL Standard LCS

Laboratory Control Spike Recovery

EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 LCS - 151943**
Batch ID: #86RHB-110126AS

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	11.4	114	60-135
CHLOROFORM	10.00	9.35	93.5	65-135
CHLOROMETHANE	10.00	9.84	98.4	40-125
CIS-1,2-DICHLOROETHENE	10.00	9.76	97.6	70-125
ETHYLBENZENE	10.00	10.7	107	75-125
GASOLINE	600	652	109	75-125
HEXACHLOROBUTADIENE	10.00	10.8	108	50-140
METHYL TERT-BUTYL ETHER	10.00	9.46	94.6	65-125
METHYLENE CHLORIDE	10.00	12.6	126	55-140
STYRENE	10.00	10.6	106	65-135
TETRACHLOROETHENE	10.00	10.1	101	45-150
TOLUENE	10.00	10.4	104	75-120
TRANS-1,2-DICHLOROETHENE	10.00	10.8	108	60-140
TRICHLOROETHENE	10.00	11.1	111	70-125
VINYL CHLORIDE	10.00	10.6	106	50-145
XYLENES (TOTAL)	30.0	31.6	105	80-120
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	25.9	120	70-120
SURROGATE: 4-BROMOFLUOROBENZ	25.5	26.9	106	75-120
SURROGATE: DIBROMOFLUOROMETH	22.9	24.6	108	85-115
SURROGATE: TOLUENE-D8 (S)	25.1	25.6	102	85-120

Comments: ______________________________________

Primary	SPK
Quant Method :	S86DODW.M
Extraction Date :	1/27/11
Analysis Date :	1/27/11
Instrument :	Sweetpea
Run :	0126S38
Initials :	DG

Printed: 2/24/11 1:02:33 PM

APPL Standard LCS

Quantitation Report (Not Reviewed)

Data File	: M:\SWEETPEA\DATA\S110126\0126S38W.D	Vial:	38
Acq On	: 27 Jan 11 11:04	Operator:	GM
Sample	: 110126A LCS-1WS(SS)	Inst :	Sweetpea
Misc	: Water 10mL w/IS: 01-17-11	Multiplr:	1.00

Quant Time: Feb 10 14:05 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	367616	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	225600	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	99640	25.00000 ppb	0.00
System Monitoring Compounds					
20) Dibromofluoromethane(S)	8.40	111	179542	24.58180 ppb	0.00
Spiked Amount 22.854			Recovery	= 107.563%	
23) 1,2-DCA-D4(S)	9.18	65	107931	25.94599 ppb	0.00
Spiked Amount 21.589			Recovery	= 120.181%	
36) Toluene-D8(S)	12.36	98	822832	25.64108 ppb	0.00
Spiked Amount 25.102			Recovery	= 102.148%	
44) 4-Bromofluorobenzene(S)	16.86	95	210846	26.90290 ppb	0.00
Spiked Amount 25.458			Recovery	= 105.674%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.48	85	127936	11.83834 ppb		97
3) Chloromethane	2.76	50	163618	9.83802 ppb		91
4) Vinyl chloride	2.92	64	18128	10.60956 ppb		80
5) Bromomethane	3.47	94	26040	11.02778 ppb		98
6) Chloroethane	3.61	64	26876	11.39266 ppb	#	84
7) Trichlorofluoromethane	4.03	101	178817	11.81695 ppb		96
8) Acetone	4.66	43	5930	8.60986 ppb		93
9) 1,1-DCE	4.96	96	89546	10.92228 ppb		93
10) Methylene chloride	5.67	84	68794	12.56654 ppb		96
11) Carbon disulfide	5.67	76	394702	11.90503 ppb		100
12) Methyl t-butyl ether (MtBE	6.07	73	81047	9.46169 ppb	#	89
13) Trans-1,2-DCE	6.22	96	92928	10.83609 ppb		89
14) 1,1-DCA	6.86	63	169875	10.77450 ppb		94
15) MEK (2-Butanone)	7.54	43	5129	8.57260 ppb		96
16) Cis-1,2-DCE	7.83	96	80727	9.75863 ppb		86
17) 2,2-Dichloropropane	7.82	77	156906	10.85637 ppb		93
18) Chloroform	8.09	83	138308	9.34630 ppb		93
19) Bromochloromethane	8.29	128	22164	10.29586 ppb		94
21) 1,1,1-TCA	8.79	97	155461	11.17451 ppb		97
22) 1,1-Dichloropropene	9.05	75	147369	11.45283 ppb		92
24) Carbon Tetrachloride	9.20	117	130051	11.50249 ppb		97
25) 1,2-DCA	9.33	62	45198	10.60323 ppb		98
26) Benzene	9.41	78	366072	10.70329 ppb		96
27) TCE	10.44	95	105803	11.05574 ppb		91
28) 1,2-Dichloropropane	10.66	63	77710	10.81257 ppb		97
29) Bromodichloromethane	11.00	83	73451	9.97945 ppb	#	81
30) Dibromomethane	11.05	93	24906	10.83833 ppb		86
31) Cis-1,3-Dichloropropene	11.91	75	84175	9.51421 ppb		87
32) Toluene	12.48	92	223166	10.35638 ppb	19.69381	98
33) Trans-1,3-Dichloropropene	12.71	75	58161	10.17960 ppb		97
34) 1,1,2-TCA	12.96	83	27500	10.99487 ppb		89
37) 1,2-EDB	14.10	107	25242	9.39849 ppb	#	87
38) Tetrachloroethene	13.59	164	79703	10.11245 ppb	#	84
39) 1-Chlorohexane	14.58	91	187108	11.53411 ppb		95
40) 1,1,1,2-Tetrachloroethane	14.95	131	59146	10.27064 ppb		77
41) m&p-Xylene	15.17	106	325747	21.20521 ppb		94
42) o-Xylene	15.88	106	140662	10.44294 ppb		99
43) Styrene	15.91	104	201495	10.62856 ppb		97
45) 2-Hexanone	13.06	58	6410	9.28312 ppb	#	54

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S38W.D Vial: 38
Acq On : 27 Jan 11 11:04 Operator: GM
Sample : 110126A LCS-1WS(SS) Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 14:05 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,3-Dichloropropane	13.37	76	51402	10.41031 ppb		99
47)	Dibromochloromethane	13.76	129	41176	10.11679 ppb		82
48)	Chlorobenzene	14.87	112	195521	10.58656 ppb		93
49)	Ethylbenzene	15.03	91	454281	10.68263 ppb		96
50)	Bromoform	16.34	173	17041	8.62911 ppb		94
52)	MIBK (methyl isobutyl keto	11.65	43	20940	9.92507 ppb		99
53)	Isopropylbenzene	16.52	105	457754	10.92891 ppb		99
54)	1,1,2,2-Tetrachloroethane	16.68	83	26315	10.16297 ppb	#	98
55)	1,2,3-Trichloropropane	16.92	110	5592	9.43319 ppb		89
56)	Bromobenzene	17.16	156	68391	10.67654 ppb		90
57)	n-Propylbenzene	17.21	91	604470	11.37007 ppb		99
58)	2-Chlorotoluene	17.45	91	328387	11.16954 ppb		97
59)	1,3,5-Trimethylbenzene	17.49	105	339353	10.74230 ppb		94
60)	4-Chlorotoluene	17.54	91	256378	10.61554 ppb		97
61)	Tert-Butylbenzene	18.10	119	381935	11.45801 ppb		98
62)	1,2,4-Trimethylbenzene	18.15	105	318833	11.08021 ppb		94
63)	Sec-Butylbenzene	18.48	105	540144	11.36954 ppb		95
64)	p-Isopropyltoluene	18.72	119	404896	10.75666 ppb		98
65)	1,3-DCB	18.79	146	148059	10.79411 ppb		92
66)	1,4-DCB	18.96	146	129246	10.35540 ppb		96
67)	n-Butylbenzene	19.43	91	373711	11.08230 ppb		98
68)	1,2-DCB	19.58	146	106080	10.95766 ppb		92
69)	1,2-Dibromo-3-chloropropan	20.88	75	3151	10.32546 ppb	#	70
70)	1,2,4-Trichlorobenzene	22.53	180	22224	10.91204 ppb		90
71)	Hexachlorobutadiene	22.85	225	23432	10.79193 ppb		93
72)	Naphthalene	22.90	128	20328	9.97360 ppb		98
73)	1,2,3-Trichlorobenzene	23.33	180	15035	11.42191 ppb		88

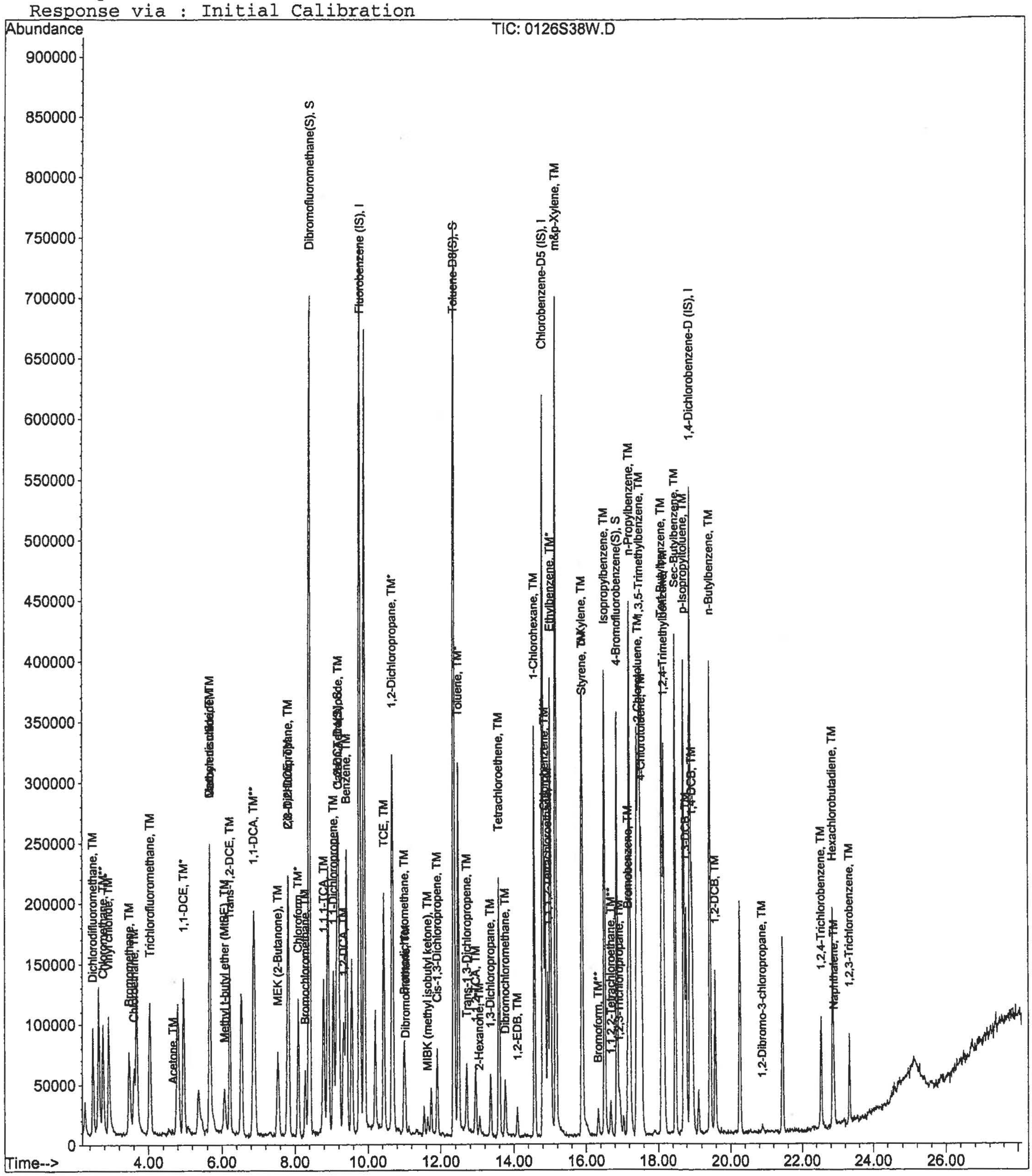
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S38W.D Vial: 38
Acq On : 27 Jan 11 11:04 Operator: GM
Sample : 110126A LCS-1WS(SS) Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 10 14:05 2011 Quant Results File: S86DODW.RES

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration



Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D Vial: 35
Acq On : 27 Jan 11 9:15 Operator: GM
Sample : GAS 600ug/L STD LCS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:42 2011 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

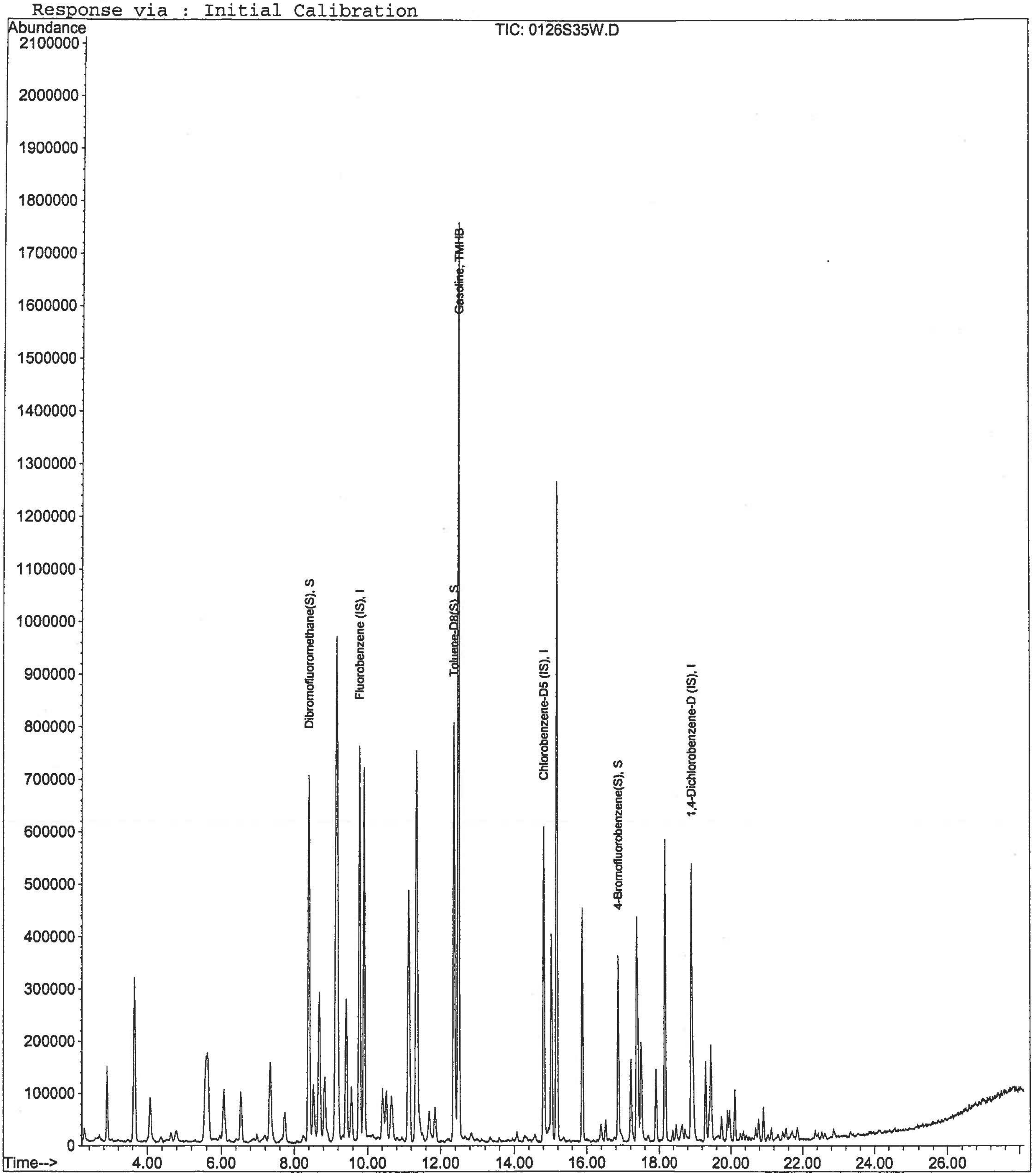
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	752563	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.82	TIC	602708	25.00000 ppb	0.01
7) 1,4-Dichlorobenzene-D (IS)	18.91	TIC	528360	25.00000 ppb	0.01
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	TIC	2334987	24.83507 ppb	0.00
Spiked Amount 24.523			Recovery	= 101.272%	
5) Toluene-D8(S)	12.36	TIC	2264982	28.67431 ppb	0.01
Spiked Amount 23.425			Recovery	= 122.407%	
6) 4-Bromofluorobenzene(S)	16.86	TIC	992798	25.90242 ppb	0.01
Spiked Amount 23.162			Recovery	= 111.827%	
Target Compounds					Qvalue
2) Gasoline	12.49	TIC	51052248m	558.22004 ppb	100

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

Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D Vial: 35
Acq On : 27 Jan 11 9:15 Operator: GM
Sample : GAS 600ug/L STD LCS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

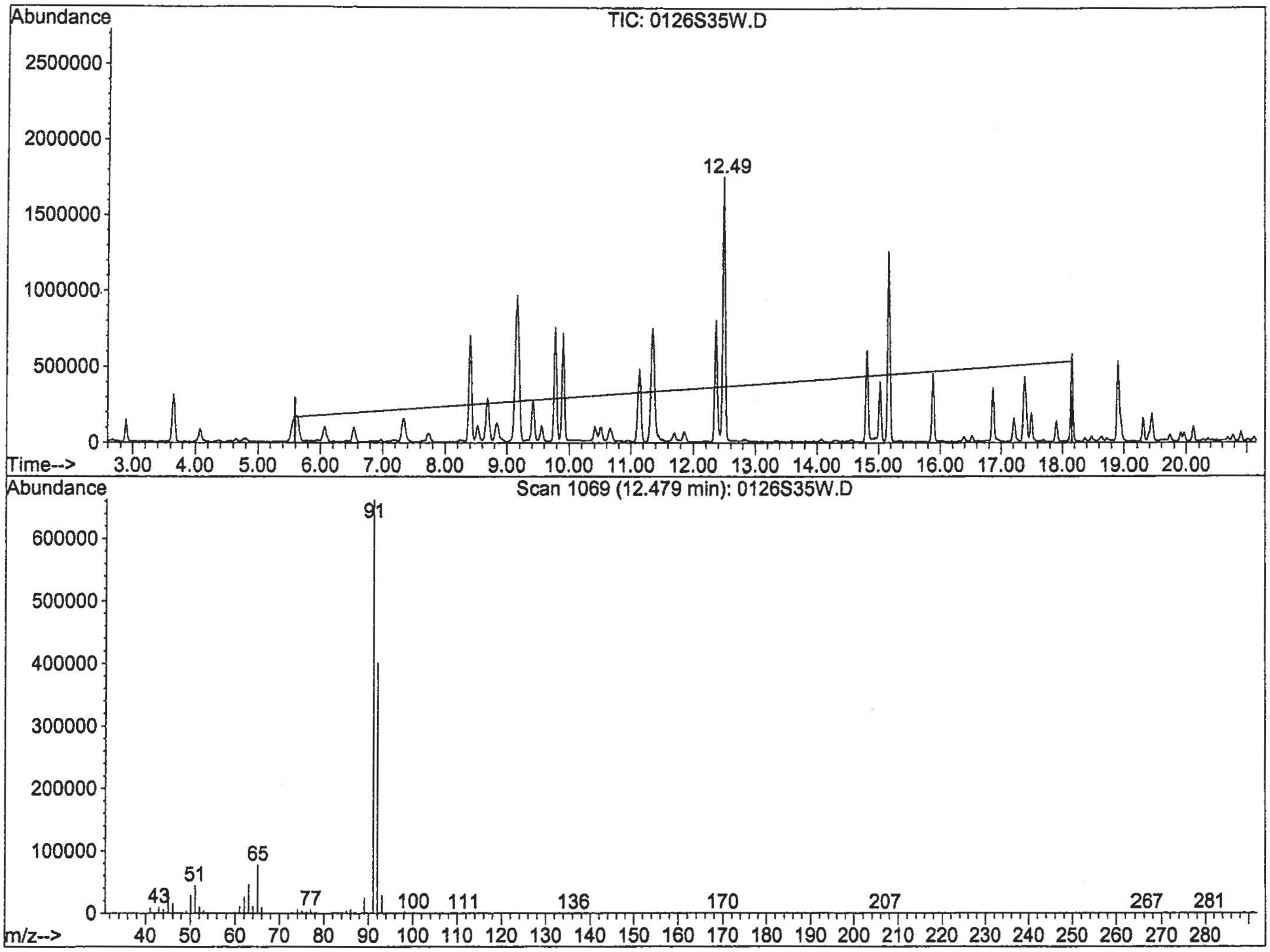
Quant Time: Feb 14 10:42 2011 Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



Data File	: M:\SWEETPEA\DATA\S110126\0126S35W.D	Vial:	35
Acq On	: 27 Jan 11 9:15	Operator:	GM
Sample	: GAS 600ug/L STD LCS-1WS	Inst :	Sweetpea
Misc	: Water 10mL w/IS: 01-17-11	Multiplr:	1.00
Quant Time:	Feb 14 10:42 2011	Quant Results File:	temp.res

Method	: M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title	: METHOD 8260B
Last Update	: Fri Feb 11 16:43:15 2011
Response via	: Multiple Level Calibration



TIC: 0126S35W.D

(2) Gasoline (TMHB)

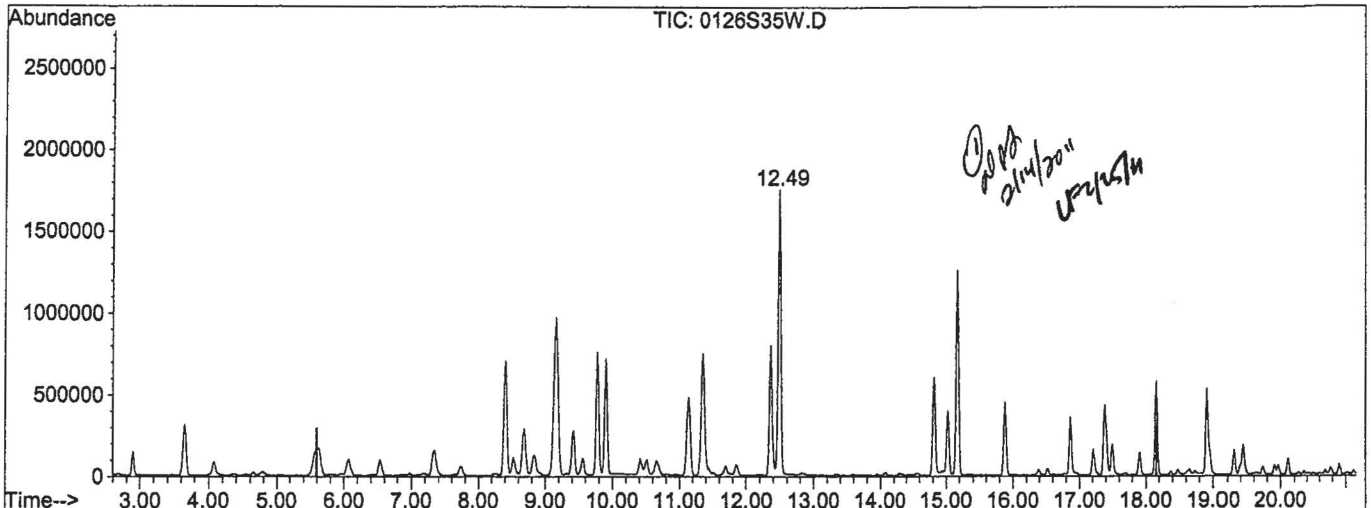
12.48min 315.3562ppb m

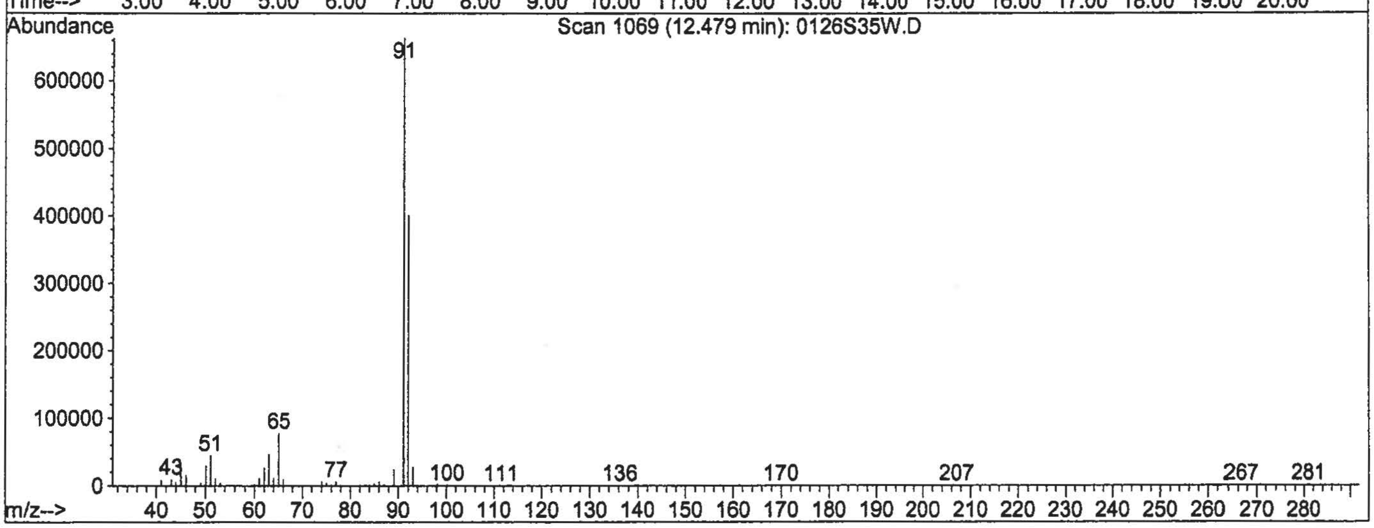
response 34212549

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.14#
0.00	0.00	0.46#
0.00	0.00	0.00

```
Data File : M:\SWEETPEA\DATA\S110126\0126S35W.D          Vial: 35
Acq On    : 27 Jan 11   9:15                          Operator: GM
Sample    : GAS 600ug/L STD LCS-1WS                   Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 14 10:42 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S35W.D

(2) Gasoline (TMHB)

12.49min 558.2200ppb m

response 51052248

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.09#
0.00	0.00	0.31#
0.00	0.00	0.00

Matrix Spike Recoveries
EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 MS - 151943**
Batch ID: #86RHB-110126AS
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1,1,1,2-TETRACHLOROETHANE	10.00	ND	11.4	11.2	114	112	80-130	1.8	30
1,1,1-TRICHLOROETHANE	10.00	ND	11.6	11.7	116	117	65-130	0.86	30
1,1,2,2-TETRACHLOROETHANE	10.00	ND	0.724	0.763	7.2 #	7.6 #	65-130	5.2	30
1,1,2-TRICHLOROETHANE	10.00	ND	10.7	10.8	107	108	75-125	0.93	30
1,1-DICHLOROETHANE	10.00	ND	12.0	12.1	120	121	70-135	0.83	30
1,1-DICHLOROETHENE	10.00	ND	12.9	12.9	129	129	70-130	0.0	30
1,2,3-TRICHLOROPROPANE	10.00	ND	9.29	9.29	92.9	92.9	75-125	0.0	30
1,2,4-TRICHLOROBENZENE	10.00	ND	7.34	9.62	73.4	96.2	65-135	26.9	30
1,2-DIBROMO-3-CHLOROPROPANE	10.00	ND	9.83	9.69	98.3	96.9	50-130	1.4	30
1,2-DIBROMOETHANE	10.00	ND	10.1	10.9	101	109	70-130	7.6	30
1,2-DICHLOROBENZENE	10.00	ND	8.92	10.5	89.2	105	70-120	16.3	30
1,2-DICHLOROETHANE	10.00	ND	11.2	11.8	112	118	70-130	5.2	30
1,2-DICHLOROPROPANE	10.00	ND	10.3	11.5	103	115	75-125	11.0	30
1,3-DICHLOROBENZENE	10.00	ND	8.81	10.3	88.1	103	75-125	15.6	30
1,3-DICHLOROPROPENE, TOTAL	20.0	ND	17.3	17.6	86.5	88.0	70-130	1.7	30
1,4-DICHLOROBENZENE	10.00	ND	9.14	10.8	91.4	108	75-125	16.6	30
2-BUTANONE	10.00	ND	8.79	11.0	87.9	110	30-150	22.3	30
4-METHYL-2-PENTANONE	10.00	ND	9.65	10.8	96.5	108	60-135	11.2	30
ACETONE	25.0	ND	19.8	25.1	79.2	100	40-140	23.6	30
BENZENE	10.00	0.54	12.9	12.4	124 #	119	80-120	4.0	30
BROMODICHLOROMETHANE	10.00	ND	10.9	10.6	109	106	75-120	2.8	30
BROMOFORM	10.00	ND	9.52	9.88	95.2	98.8	70-130	3.7	30
BROMOMETHANE	25.0	ND	26.7	26.2	107	105	30-145	1.9	30
CARBON TETRACHLORIDE	10.00	ND	11.8	12.1	118	121	65-140	2.5	30
CHLOROBENZENE	10.00	ND	11.1	11.2	111	112	80-120	0.90	30

= Recovery is outside QC limits.

Comments: ______________________________

Primary	SPK	DUP
Quant Method :	S86DODW.M	S86DODW.M
Extraction Date :	1/27/11	1/27/11
Analysis Date :	1/27/11	1/27/11
Instrument :	Sweetpea	Sweetpea
Run :	0126S47	0126S48
Initials :	DG	

Printed: 2/24/11 1:02:37 PM
APPL MSD SCII

Matrix Spike Recoveries
EPA 8260B VOCs + Gas Water

APPL ID: **110127W-30578 MS - 151943**
Batch ID: #86RHB-110126AS
Sample ID: AY30578
Client ID: ES017

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	Matrix Result ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
CHLORODIBROMOMETHANE	10.00	ND	10.4	11.3	104	113	60-135	8.3	30
CHLOROETHANE	25.0	ND	26.0	29.0	104	116	60-135	10.9	30
CHLOROFORM	10.00	ND	9.66	9.68	96.6	96.8	65-135	0.21	30
CHLOROMETHANE	25.0	ND	27.4	27.0	110	108	40-125	1.5	30
CIS-1,2-DICHLOROETHENE	10.00	ND	11.9	11.6	119	116	70-125	2.6	30
ETHYLBENZENE	10.00	ND	11.4	11.5	114	115	75-125	0.87	30
GASOLINE	300	ND	308	485	103	162 #	75-125	44.6 #	30
HEXACHLOROBUTADIENE	10.00	ND	7.04	8.35	70.4	83.5	50-140	17.0	30
METHYL TERT-BUTYL ETHER	10.00	ND	9.94	9.88	99.4	98.8	65-125	0.61	30
METHYLENE CHLORIDE	10.00	ND	11.3	11.8	113	118	55-140	4.3	30
STYRENE	10.00	ND	10.6	11.1	106	111	65-135	4.6	30
TETRACHLOROETHENE	10.00	ND	11.2	11.3	112	113	45-150	0.89	30
TOLUENE	10.00	ND	11.5	12.0	115	120	75-120	4.3	30
TRANS-1,2-DICHLOROETHENE	10.00	ND	12.0	13.3	120	133	60-140	10.3	30
TRICHLOROETHENE	10.00	ND	21.5	21.1	215 #	211 #	70-125	1.9	30
VINYL CHLORIDE	25.0	ND	23.7	22.8	94.8	91.2	50-145	3.9	30
XYLENES (TOTAL)	30.0	ND	33.4	33.6	111	112	80-120	0.60	30
SURROGATE: 1,2-DICHLOROETHANE-D	21.6	NA	24.6	24.2	114	112	70-120		
SURROGATE: 4-BROMOFLUOROBENZE	25.5	NA	27.5	27.2	108	107	75-120		
SURROGATE: DIBROMOFLUOROMETH	22.9	NA	24.1	24.4	105	107	85-115		
SURROGATE: TOLUENE-D8 (S)	25.1	NA	26.6	25.5	106	102	85-120		

= Recovery is outside QC limits.

Comments:

Primary	**SPK**	**DUP**
Quant Method :	S86DODW.M	S86DODW.M
Extraction Date :	1/27/11	1/27/11
Analysis Date :	1/27/11	1/27/11
Instrument :	Sweetpea	Sweetpea
Run :	0126S47	0126S48
Initials :	DG	

Printed: 2/24/11 1:02:37 PM
APPL MSD SCII

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S47W.D Vial: 47
Acq On : 27 Jan 11 16:27 Operator: GM
Sample : AY30578W234 MS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 9 13:27 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene (IS)	9.78	96	388864	25.00000 ppb		0.00
35) Chlorobenzene-D5 (IS)	14.81	117	231616	25.00000 ppb		0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	105792	25.00000 ppb		0.00
System Monitoring Compounds						
20) Dibromofluoromethane(S)	8.41	111	186317	24.11553 ppb		0.00
Spiked Amount 22.854			Recovery	= 105.524%		
23) 1,2-DCA-D4(S)	9.18	65	108114	24.56986 ppb		0.00
Spiked Amount 21.589			Recovery	= 113.807%		
36) Toluene-D8(S)	12.37	98	876270	26.59706 ppb		0.00
Spiked Amount 25.102			Recovery	= 105.957%		
44) 4-Bromofluorobenzene(S)	16.86	95	221241	27.49602 ppb		0.00
Spiked Amount 25.458			Recovery	= 108.004%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.48	85	354924	31.04774 ppb		93
3) Chloromethane	2.76	50	482454	27.42389 ppb		92
4) Vinyl chloride	2.92	64	42848	23.70689 ppb		99
5) Bromomethane	3.48	94	66624	26.67315 ppb		94
6) Chloroethane	3.61	64	64787	25.96240 ppb	#	80
7) Trichlorofluoromethane	4.04	101	469781	29.34869 ppb		99
8) Acetone	4.68	43	12192	19.75373 ppb	#	73
9) 1,1-DCE	4.98	96	112127	12.92927 ppb		90
10) Methylene chloride	5.68	84	15677	11.30097 ppb		90
11) Carbon disulfide	5.68	76	457718	13.05137 ppb		98
12) Methyl t-butyl ether (MtBE	6.07	73	90037	9.93687 ppb	#	65
13) Trans-1,2-DCE	6.22	96	108650	11.97713 ppb		89
14) 1,1-DCA	6.86	63	200000	11.99207 ppb		98
15) MEK (2-Butanone)	7.54	43	5556	8.79275 ppb	#	70
16) Cis-1,2-DCE	7.83	96	104246	11.91314 ppb		82
17) 2,2-Dichloropropane	7.82	77	72430	4.73762 ppb		94
18) Chloroform	8.09	83	151168	9.65715 ppb		93
19) Bromochloromethane	8.30	128	24515	10.76572 ppb	#	78
21) 1,1,1-TCA	8.79	97	170889	11.61229 ppb		99
22) 1,1-Dichloropropene	9.06	75	173010	12.71085 ppb		90
24) Carbon Tetrachloride	9.21	117	141585	11.83838 ppb		95
25) 1,2-DCA	9.34	62	50661	11.23542 ppb		95
26) Benzene	9.42	78	465081	12.85512 ppb		99
27) TCE	10.44	95	217841	21.51921 ppb		97
28) 1,2-Dichloropropane	10.67	63	78614	10.34067 ppb		98
29) Bromodichloromethane	11.01	83	84663	10.87425 ppb		85
30) Dibromomethane	11.03	93	26486	10.89851 ppb		92
31) Cis-1,3-Dichloropropene	11.91	75	83603	8.93322 ppb		83
32) Toluene	12.49	92	262598	11.52042 ppb		92
33) Trans-1,3-Dichloropropene	12.71	75	50816	8.40806 ppb		98
34) 1,1,2-TCA	12.96	83	28349	10.71499 ppb		97
37) 1,2-EDB	14.10	107	27927	10.12813 ppb		89
38) Tetrachloroethene	13.60	164	90479	11.18150 ppb		92
39) 1-Chlorohexane	14.59	91	172641	10.36588 ppb		91
40) 1,1,1,2-Tetrachloroethane	14.96	131	67493	11.41567 ppb		90
41) m&p-Xylene	15.17	106	348256	22.08164 ppb		90
42) o-Xylene	15.88	106	155866	11.27114 ppb		94
43) Styrene	15.91	104	206754	10.62270 ppb		94
45) 2-Hexanone	13.05	58	6128	8.64421 ppb	#	69

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

Quantitation Report (Not Reviewed)

Data File : M:\SWEETPEA\DATA\S110126\0126S47W.D   Vial: 47
Acq On : 27 Jan 11 16:27   Operator: GM
Sample : AY30578W234 MS-1WS   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

Quant Time: Feb 9 13:27 2011   Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	1,3-Dichloropropane	13.36	76	56798	11.20437	ppb		95
47)	Dibromochloromethane	13.77	129	43525	10.41616	ppb		80
48)	Chlorobenzene	14.88	112	210067	11.07873	ppb		96
49)	Ethylbenzene	15.02	91	498136	11.40964	ppb		99
50)	Bromoform	16.34	173	19306	9.52212	ppb		89
52)	MIBK (methyl isobutyl keto	11.65	43	21613	9.64834	ppb		97
53)	Isopropylbenzene	16.53	105	474180	10.66274	ppb		98
54)	1,1,2,2-Tetrachloroethane	16.69	83	1991	0.72422	ppb	#	88
55)	1,2,3-Trichloropropane	16.94	110	5847	9.28978	ppb		88
56)	Bromobenzene	17.16	156	67570	9.93496	ppb		99
57)	n-Propylbenzene	17.21	91	585863	10.37924	ppb		96
58)	2-Chlorotoluene	17.45	91	338254	10.83611	ppb		94
59)	1,3,5-Trimethylbenzene	17.50	105	339251	10.11457	ppb		93
60)	4-Chlorotoluene	17.54	91	247773	9.66265	ppb		98
61)	Tert-Butylbenzene	18.10	119	379444	10.72132	ppb		96
62)	1,2,4-Trimethylbenzene	18.15	105	303033	9.91872	ppb		94
63)	Sec-Butylbenzene	18.48	105	494374	9.80098	ppb		97
64)	p-Isopropyltoluene	18.73	119	387799	9.70335	ppb		96
65)	1,3-DCB	18.79	146	128270	8.80761	ppb		99
66)	1,4-DCB	18.96	146	121182	9.14469	ppb		96
67)	n-Butylbenzene	19.43	91	316367	8.83621	ppb		96
68)	1,2-DCB	19.59	146	91664	8.91793	ppb		89
69)	1,2-Dibromo-3-chloropropan	20.88	75	3185	9.82995	ppb	#	60
70)	1,2,4-Trichlorobenzene	22.53	180	15875	7.34139	ppb		90
71)	Hexachlorobutadiene	22.85	225	16231	7.04070	ppb		91
72)	Naphthalene	22.89	128	13191	6.09559	ppb	#	92
73)	1,2,3-Trichlorobenzene	23.33	180	9053	6.47752	ppb		95

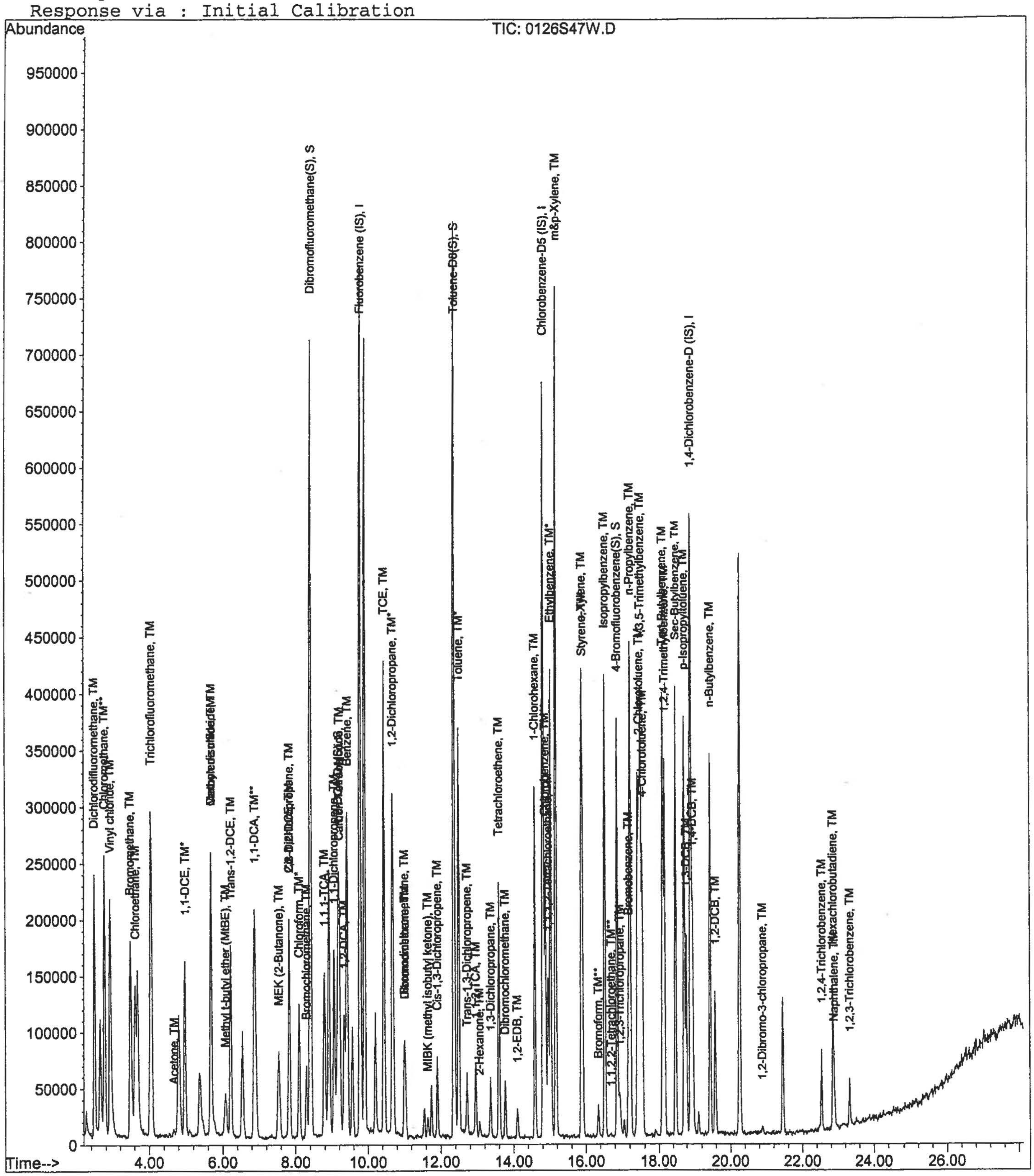
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S47W.D          Vial: 47
Acq On    : 27 Jan 11  16:27                          Operator: GM
Sample    : AY30578W234 MS-1WS                        Inst     : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb  9 13:27 2011               Quant Results File: S86DODW.RES

Method        : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Thu Feb 10 13:45:43 2011
Response via  : Initial Calibration
```



Quantitation Report (Not Reviewed)

Data File	: M:\SWEETPEA\DATA\S110126\0126S48W.D	Vial:	48
Acq On	: 27 Jan 11 17:03	Operator:	GM
Sample	: AY30578W234 MSD-1WS	Inst :	Sweetpea
Misc	: Water 10mL w/IS: 01-17-11	Multiplr:	1.00

Quant Time: Feb 9 13:27 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	96	394304	25.00000 ppb	0.00
35) Chlorobenzene-D5 (IS)	14.81	117	243200	25.00000 ppb	0.00
51) 1,4-Dichlorobenzene-D (IS)	18.90	152	107048	25.00000 ppb	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
20) Dibromofluoromethane(S)	8.41	111	191142	24.39872 ppb	0.00
Spiked Amount 22.854			Recovery	= 106.763%	
23) 1,2-DCA-D4(S)	9.19	65	107906	24.18426 ppb	0.00
Spiked Amount 21.589			Recovery	= 112.019%	
36) Toluene-D8(S)	12.37	98	883564	25.54104 ppb	0.00
Spiked Amount 25.102			Recovery	= 101.750%	
44) 4-Bromofluorobenzene(S)	16.86	95	229484	27.16199 ppb	0.00
Spiked Amount 25.458			Recovery	= 106.692%	

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) Dichlorodifluoromethane	2.49	85	369753	31.89870 ppb	N.T	93
3) Chloromethane	2.76	50	480888	✓26.95775 ppb		91
4) Vinyl chloride	2.93	64	41720	✓22.76433 ppb	SPK	82
5) Bromomethane	3.47	94	66448	✓26.23567 ppb	25ppb	97
6) Chloroethane	3.61	64	73504	✓29.04922 ppb		90
7) Trichlorofluoromethane	4.04	101	469101	28.90189 ppb	N.T	98
8) Acetone	4.68	43	15240	✓25.09621 ppb	#	78
9) 1,1-DCE	4.97	96	113733	12.93353 ppb		86
10) Methylene chloride	5.68	84	16560	11.79783 ppb		87
11) Carbon disulfide	5.68	76	469358	13.19863 ppb		97
12) Methyl t-butyl ether (MtBE	6.06	73	90769	9.87944 ppb	#	83
13) Trans-1,2-DCE	6.22	96	122193	13.28421 ppb		98
14) 1,1-DCA	6.86	63	204251	12.07800 ppb		99
15) MEK (2-Butanone)	7.52	43	6952	10.96161 ppb	#	90
16) Cis-1,2-DCE	7.82	96	102830	11.58919 ppb		83
17) 2,2-Dichloropropane	7.82	77	72560	4.68064 ppb		89
18) Chloroform	8.09	83	153679	9.68211 ppb		95
19) Bromochloromethane	8.29	128	24470	10.59771 ppb		90
21) 1,1,1-TCA	8.80	97	173870	11.65185 ppb		87
22) 1,1-Dichloropropene	9.06	75	174128	12.61649 ppb		96
24) Carbon Tetrachloride	9.21	117	146271	12.06146 ppb		94
25) 1,2-DCA	9.33	62	53869	11.78206 ppb		100
26) Benzene	9.41	78	455630	12.42014 ppb		97
27) TCE	10.44	95	216697	21.11087 ppb		96
28) 1,2-Dichloropropane	10.66	63	88285	11.45255 ppb	#	96
29) Bromodichloromethane	11.00	83	83539	10.58185 ppb		78
30) Dibromomethane	11.03	93	25859	10.47698 ppb		92
31) Cis-1,3-Dichloropropene	11.91	75	85995	9.06204 ppb	17.57146	92
32) Toluene	12.49	92	276353	11.95659 ppb		100
33) Trans-1,3-Dichloropropene	12.71	75	52148	8.50942 ppb		91
34) 1,1,2-TCA	12.96	83	28946	10.78970 ppb		89
37) 1,2-EDB	14.11	107	31679	10.94162 ppb	#	79
38) Tetrachloroethene	13.59	164	95683	11.26139 ppb		89
39) 1-Chlorohexane	14.58	91	181655	10.38759 ppb		95
40) 1,1,1,2-Tetrachloroethane	14.96	131	69286	11.16074 ppb		85
41) m&p-Xylene	15.17	106	369919	22.33800 ppb		100
42) o-Xylene	15.88	106	163689	11.27304 ppb		87
43) Styrene	15.91	104	227057	11.11017 ppb		93
45) 2-Hexanone	13.06	58	6523	8.76312 ppb		88

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

Data File : M:\SWEETPEA\DATA\S110126\0126S48W.D Vial: 48
Acq On : 27 Jan 11 17:03 Operator: GM
Sample : AY30578W234 MSD-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 9 13:27 2011 Quant Results File: S86DODW.RES

Quant Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Wed Feb 09 10:38:59 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Compound	R.T.	QIon	Response	Conc Unit			Qvalue
46) 1,3-Dichloropropane	13.37	76	57765	10.85236	ppb		93
47) Dibromochloromethane	13.76	129	49370	11.25219	ppb		88
48) Chlorobenzene	14.88	112	223304	11.21588	ppb		97
49) Ethylbenzene	15.02	91	526065	11.47541	ppb		95
50) Bromoform	16.34	173	21035	9.88073	ppb		91
52) MIBK (methyl isobutyl keto	11.66	43	24418	10.77264	ppb		94
53) Isopropylbenzene	16.52	105	486954	10.82151	ppb		100
54) 1,1,2,2-Tetrachloroethane	16.68	83	2123	0.76317	ppb	#	88
55) 1,2,3-Trichloropropane	16.92	110	5915	9.28755	ppb		73
56) Bromobenzene	17.17	156	73434	10.67048	ppb		98
57) n-Propylbenzene	17.21	91	614066	10.75124	ppb		96
58) 2-Chlorotoluene	17.45	91	364358	11.53540	ppb		99
59) 1,3,5-Trimethylbenzene	17.49	105	372629	10.97937	ppb		96
60) 4-Chlorotoluene	17.54	91	291336	11.22821	ppb		99
61) Tert-Butylbenzene	18.10	119	397657	11.10411	ppb		99
62) 1,2,4-Trimethylbenzene	18.15	105	340819	11.02462	ppb		96
63) Sec-Butylbenzene	18.48	105	537444	10.52983	ppb		98
64) p-Isopropyltoluene	18.72	119	416155	10.29069	ppb		99
65) 1,3-DCB	18.79	146	151937	10.31028	ppb		99
66) 1,4-DCB	18.96	146	144569	10.78153	ppb		95
67) n-Butylbenzene	19.43	91	358784	9.90335	ppb		92
68) 1,2-DCB	19.59	146	109415	10.52001	ppb		93
69) 1,2-Dibromo-3-chloropropan	20.88	75	3176	9.68716	ppb	#	67
70) 1,2,4-Trichlorobenzene	22.53	180	21056	9.62310	ppb		92
71) Hexachlorobutadiene	22.85	225	19472	8.34748	ppb		93
72) Naphthalene	22.90	128	24800	11.32568	ppb		100
73) 1,2,3-Trichlorobenzene	23.32	180	15974	11.29546	ppb		92

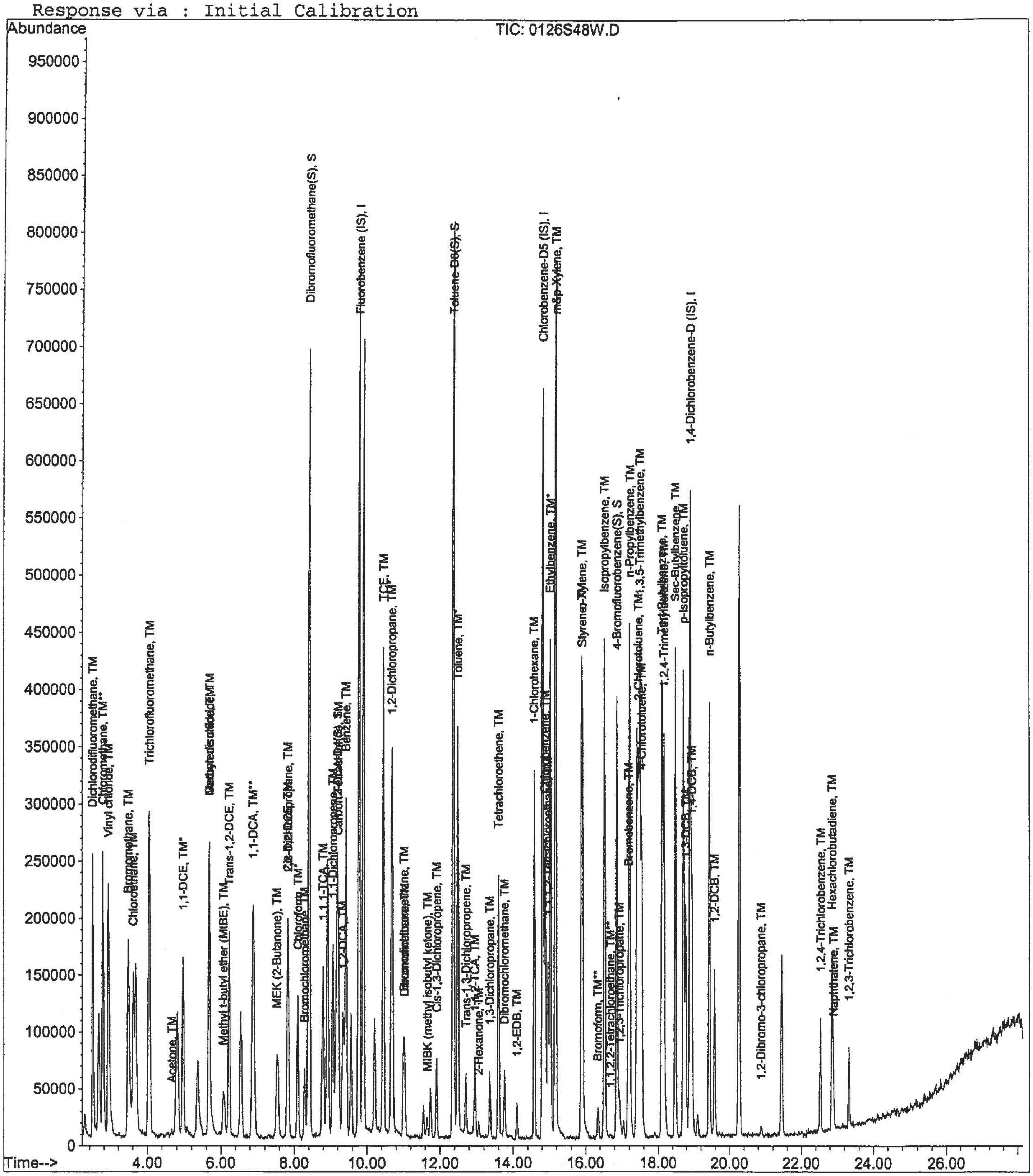
(#) = qualifier out of range (m) = manual integration

Quantitation Report

```
Data File : M:\SWEETPEA\DATA\S110126\0126S48W.D          Vial: 48
Acq On    : 27 Jan 11  17:03                          Operator: GM
Sample    : AY30578W234 MSD-1WS                       Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00

Quant Time: Feb  9 13:27 2011              Quant Results File: S86DODW.RES

Method       : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Thu Feb 10 13:45:43 2011
Response via : Initial Calibration
```



```
Data File : M:\SWEETPEA\DATA\S110126\0126S49W.D          Vial: 49
Acq On    : 27 Jan 11  17:39                           Operator: GM
Sample    : AY30578W674 MS-1WS                         Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                  Multiplr: 1.00

Quant Time: Feb 14 10:52 2011                 Quant Results File: SGAS.RES

Quant Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title        : METHOD 8260B
Last Update  : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration
DataAcq Meth : PS8260

Internal Standards                  R.T. QIon  Response  Conc Units   Dev(Min)
-----------------------------------------------------------------------------
  1) Fluorobenzene (IS)             9.78  TIC   761631    25.00000 ppb     0.00
  4) Chlorobenzene-D5 (IS)         14.81  TIC   645165    25.00000 ppb     0.00
  7) 1,4-Dichlorobenzene-D (IS)    18.90  TIC   557688    25.00000 ppb     0.00

System Monitoring Compounds
  3) Dibromofluoromethane(S)        8.40  TIC  2294932    24.11843 ppb     0.00
  Spiked Amount      24.523                   Recovery    =   98.348%
  5) Toluene-D8(S)                 12.36  TIC  2457933    29.06929 ppb     0.00
  Spiked Amount      23.425                   Recovery    =  124.093%
  6) 4-Bromofluorobenzene(S)       16.86  TIC  1098924    26.78448 ppb     0.02
  Spiked Amount      23.162                   Recovery    =  115.635%

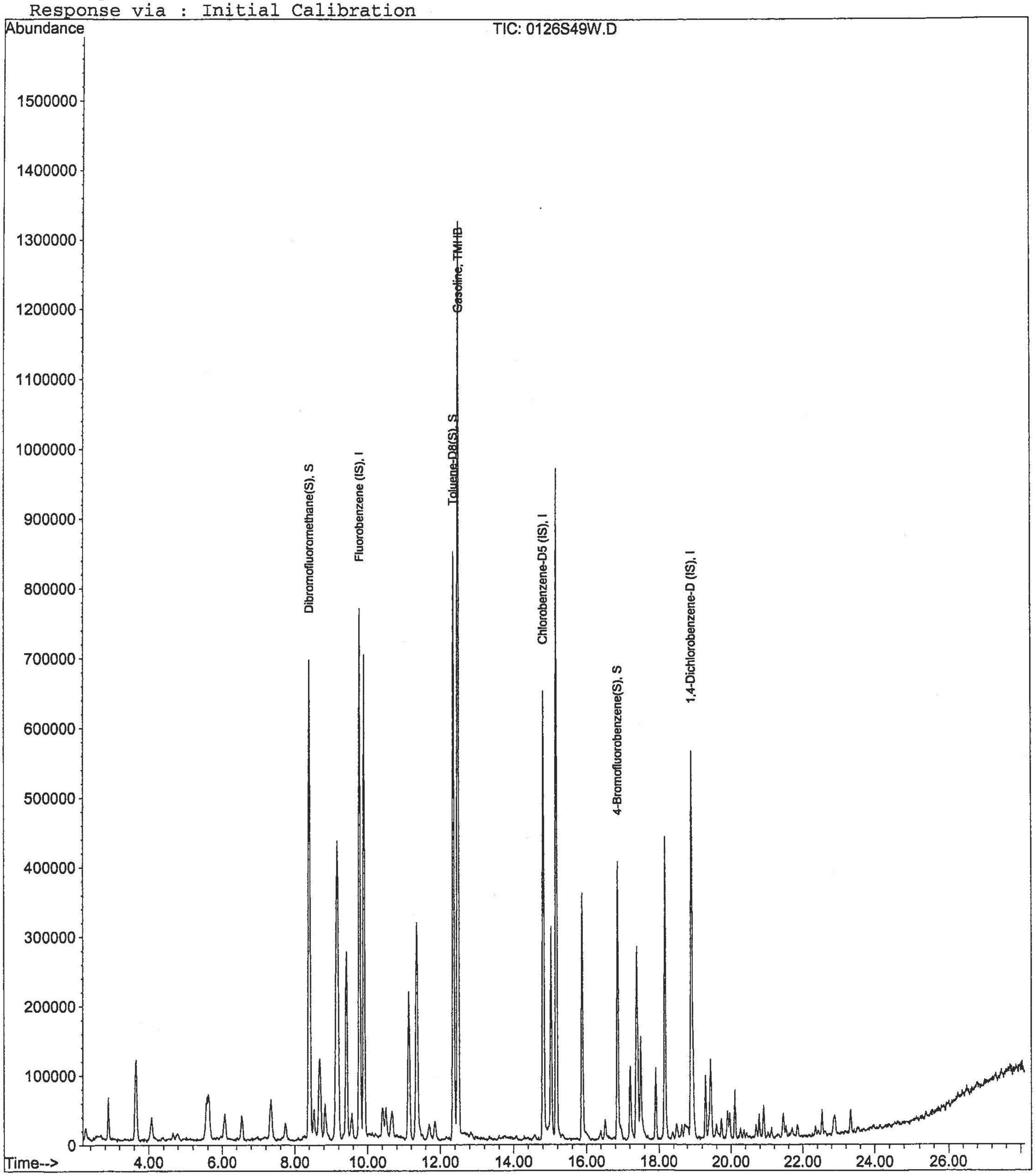
Target Compounds                                                    Qvalue
  2) Gasoline                      12.49  TIC 34076955m  307.54930 ppb     100
```

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S49W.D Vial: 49
Acq On : 27 Jan 11 17:39 Operator: GM
Sample : AY30578W674 MS-1WS Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11 Multiplr: 1.00

Quant Time: Feb 14 10:52 2011 Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



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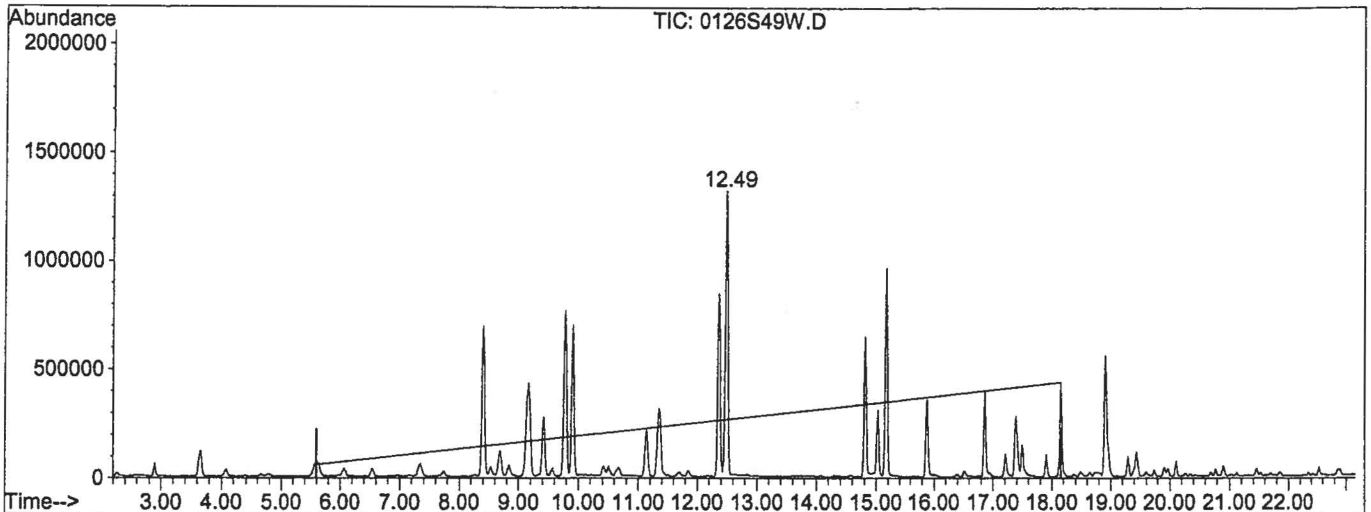
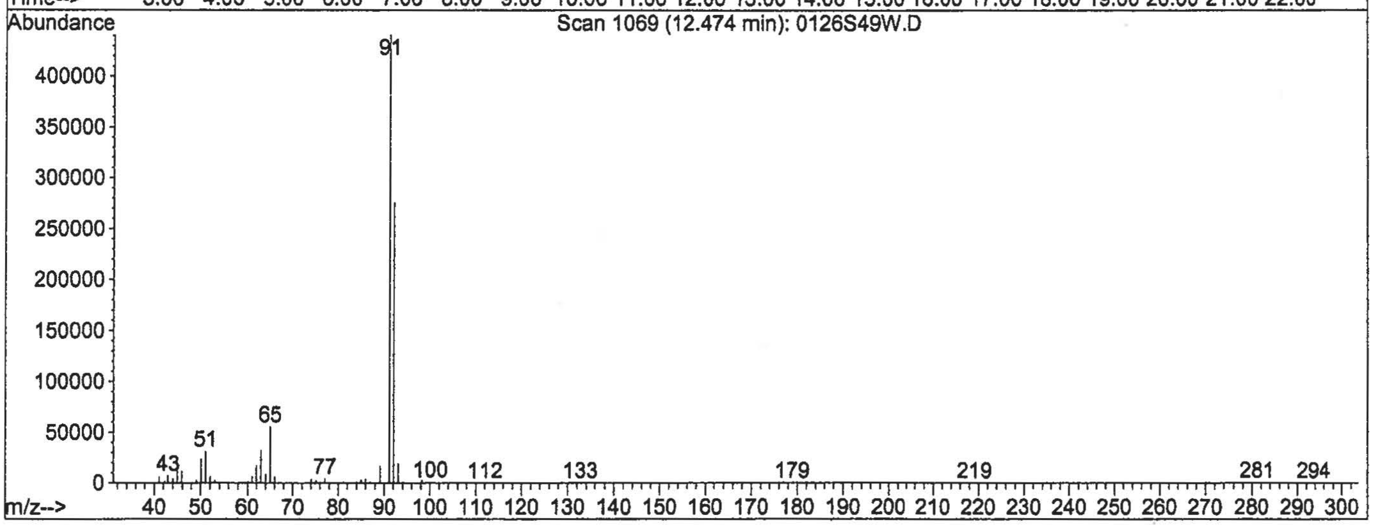
Data File : M:\SWEETPEA\DATA\S110126\0126S49W.D          Vial: 49
Acq On    : 27 Jan 11  17:39                          Operator: GM
Sample    : AY30578W674 MS-1WS                        Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 14 10:43 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```





TIC: 0126S49W.D

(2) Gasoline (TMHB)

12.48min 149.8267ppb m

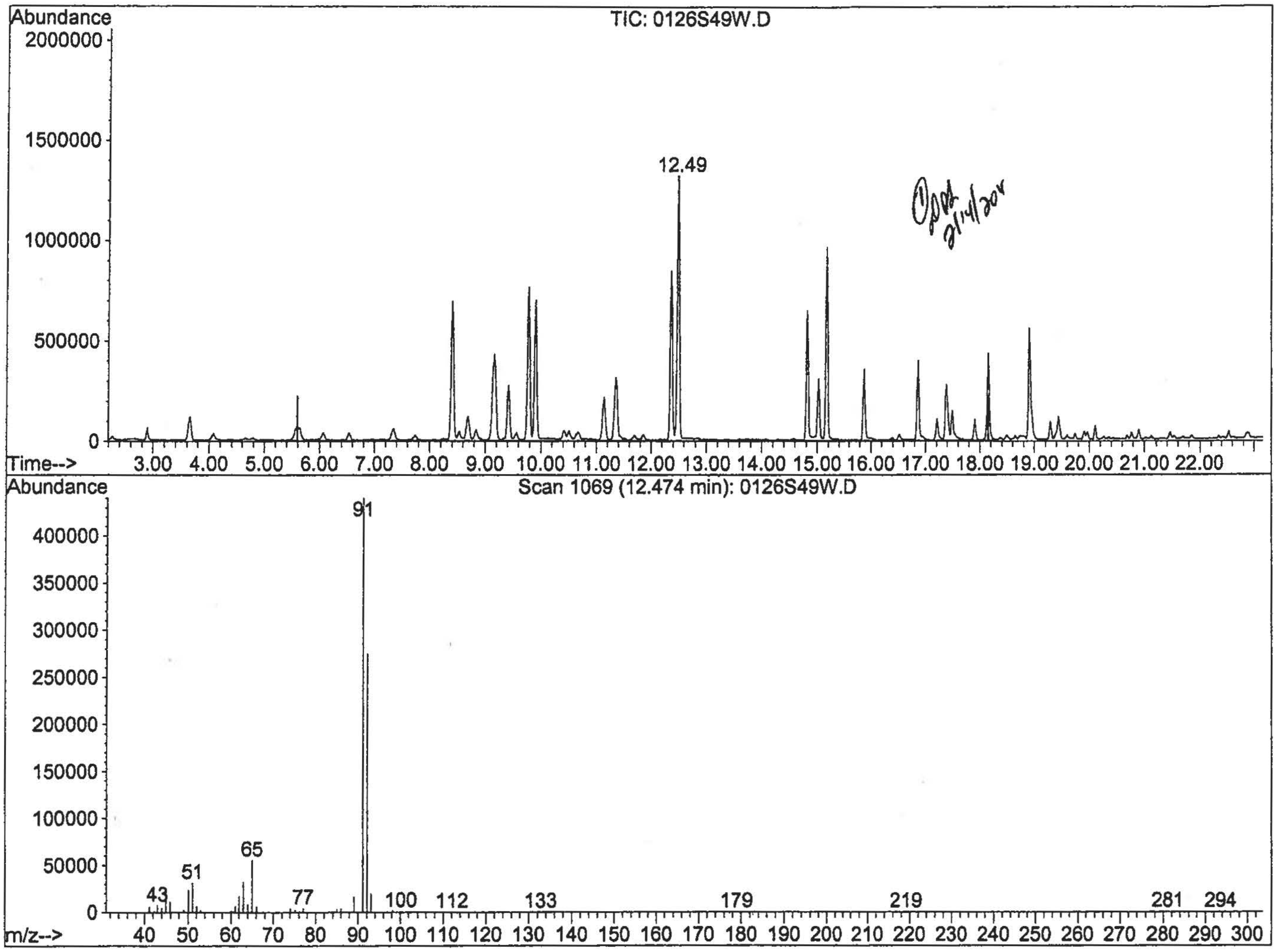
response 23009005

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.22#
0.00	0.00	0.69#
0.00	0.00	0.00

Quantitation Report

Data File : M:\SWEETPEA\DATA\S110126\0126S49W.D   Vial: 49
Acq On : 27 Jan 11 17:39   Operator: GM
Sample : AY30578W674 MS-1WS   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00
Quant Time: Feb 14 10:52 2011   Quant Results File: temp.res

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Multiple Level Calibration



TIC: 0126S49W.D

(2) Gasoline (TMHB)

12.49min 307.5493ppb m

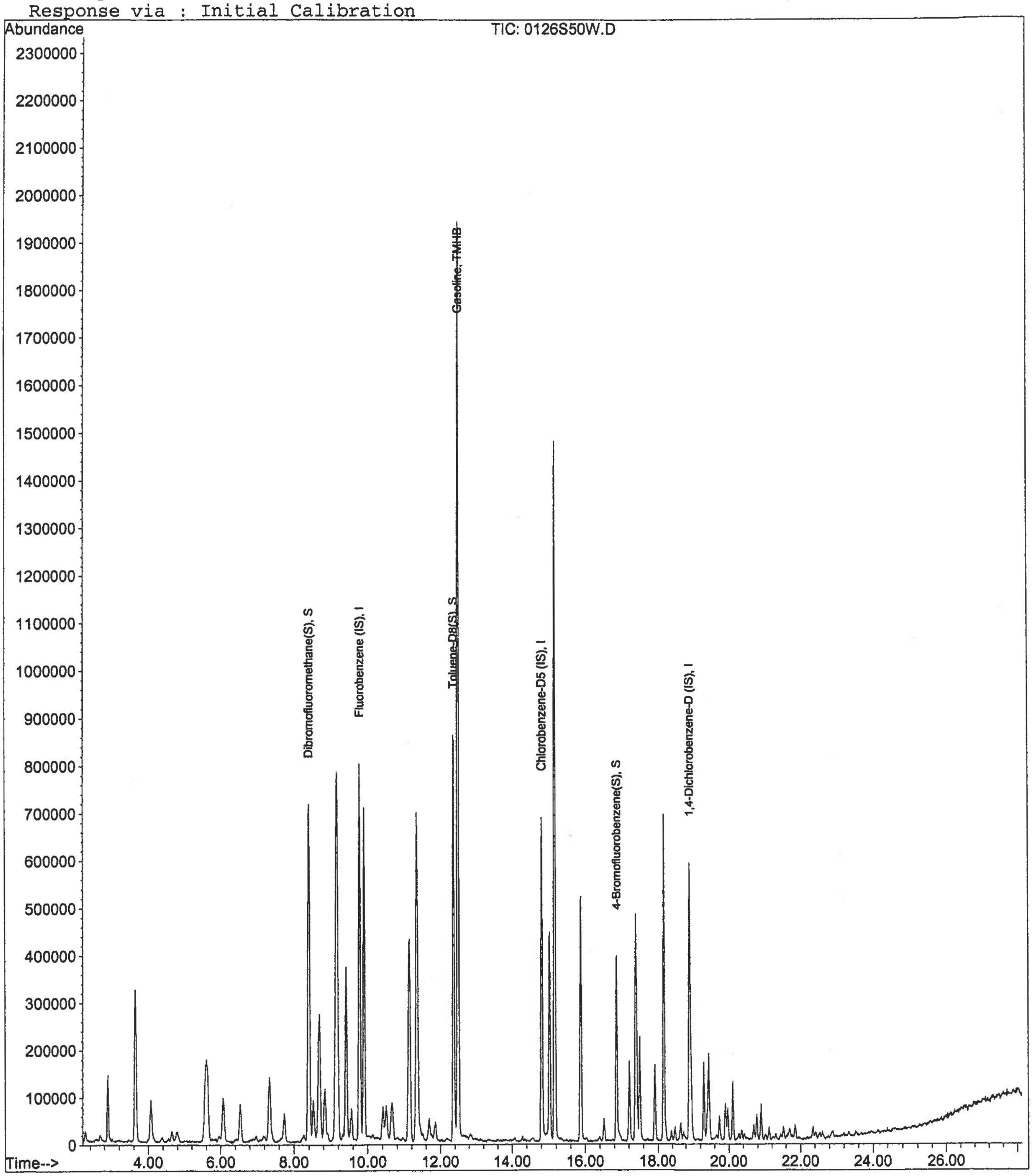
response 34076955

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.15#
0.00	0.00	0.47#
0.00	0.00	0.00

Data File : M:\SWEETPEA\DATA\S110126\0126S50W.D   Vial: 50
Acq On : 27 Jan 11 18:15   Operator: GM
Sample : AY30578W674 MSD-1WS   Inst : Sweetpea
Misc : Water 10mL w/IS: 01-17-11   Multiplr: 1.00

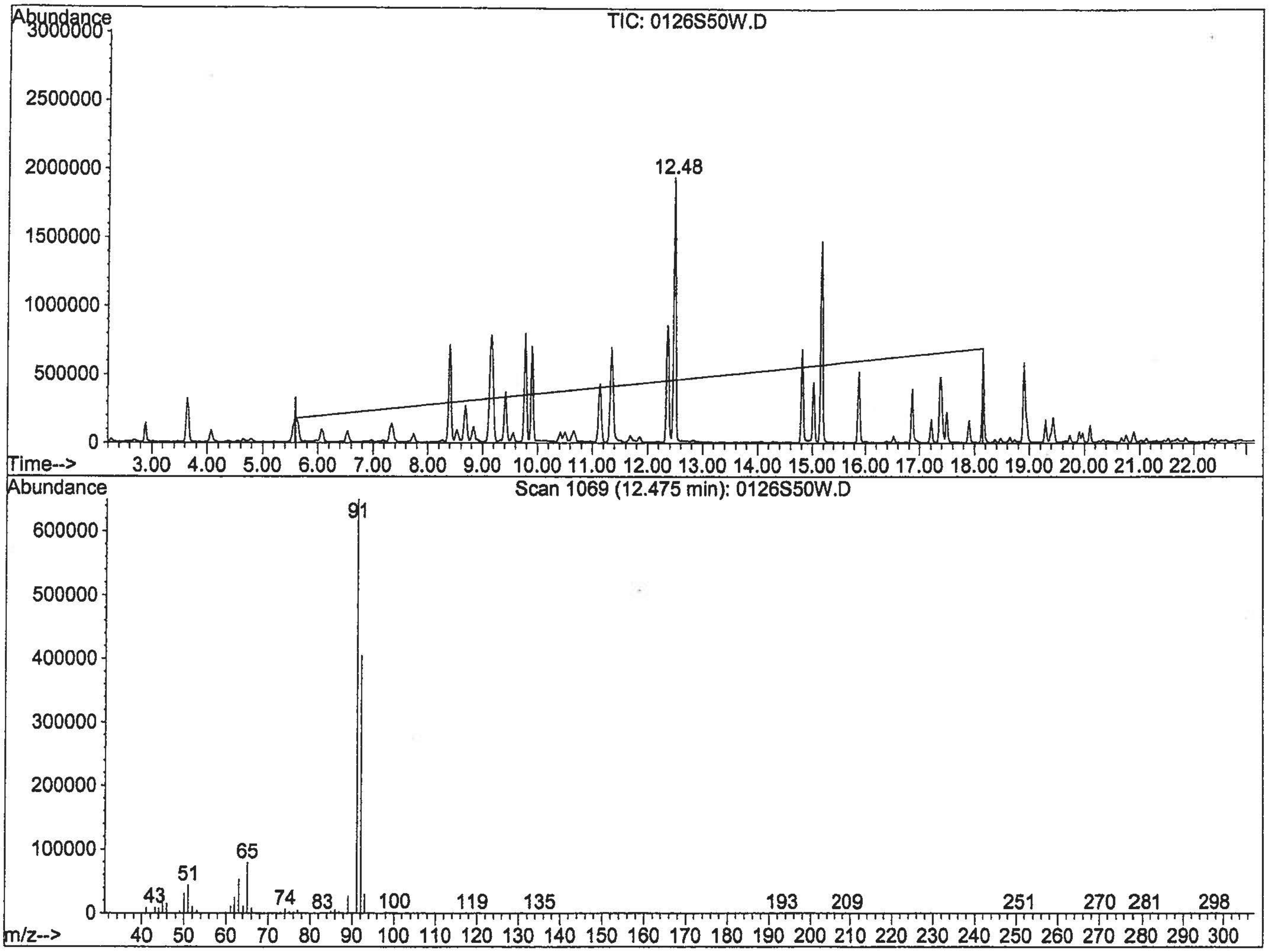
Quant Time: Feb 14 10:53 2011   Quant Results File: SGAS.RES

Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



```
Data File : M:\SWEETPEA\DATA\S110126\0126S50W.D          Vial: 50
Acq On    : 27 Jan 11  18:15                          Operator: GM
Sample    : AY30578W674 MSD-1WS                       Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 14 10:43 2011               Quant Results File: temp.res

Method         : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title          : METHOD 8260B
Last Update    : Fri Feb 11 16:43:15 2011
Response via   : Multiple Level Calibration
```



TIC: 0126S50W.D

(2) Gasoline (TMHB)

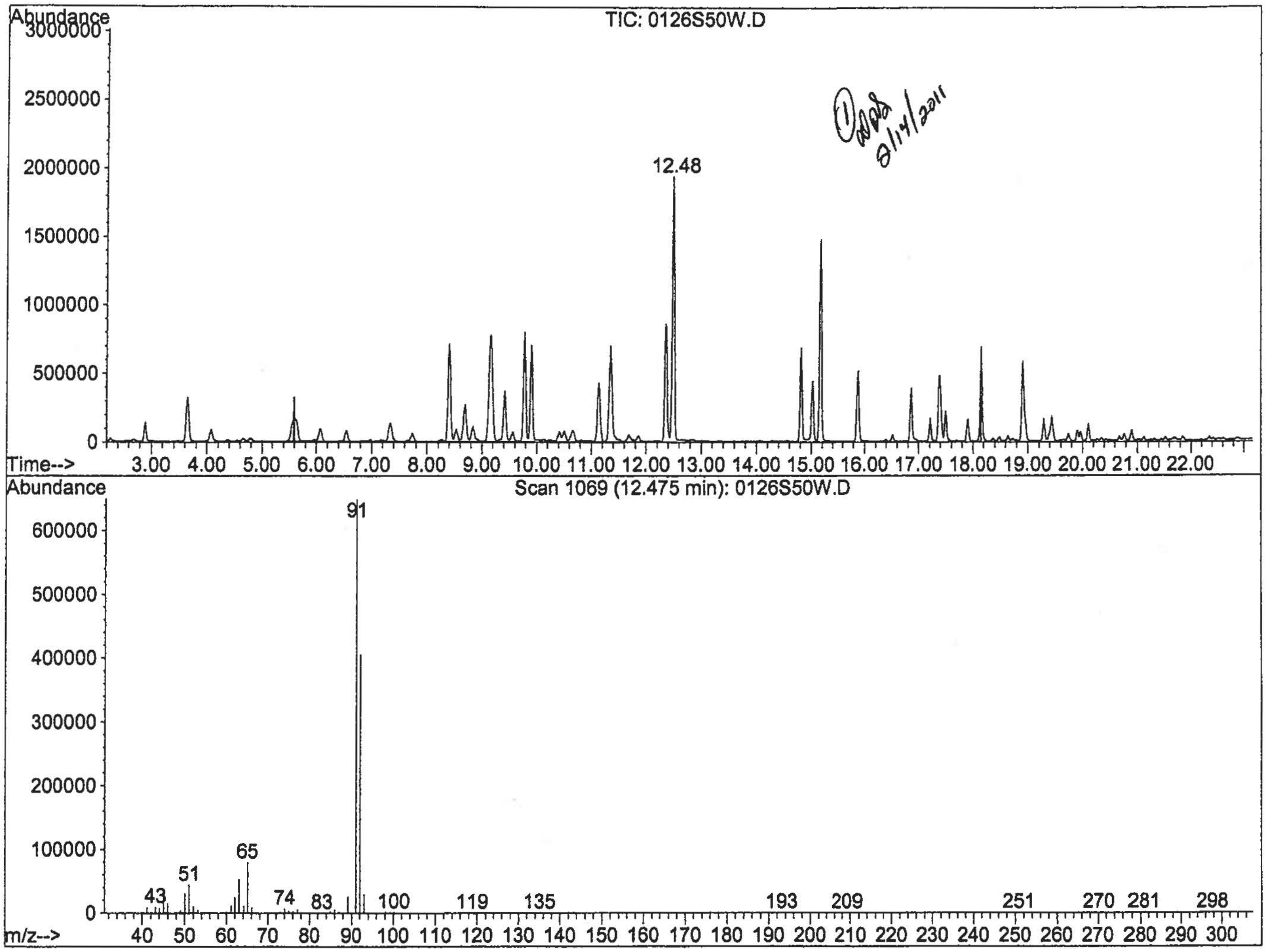
12.48min 300.4060ppb m

response 35023926

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.16#
0.00	0.00	0.50#
0.00	0.00	0.00

```
Data File : M:\SWEETPEA\DATA\S110126\0126S50W.D          Vial: 50
Acq On    : 27 Jan 11  18:15                          Operator: GM
Sample    : AY30578W674 MSD-1WS                       Inst    : Sweetpea
Misc      : Water 10mL w/IS: 01-17-11                 Multiplr: 1.00
Quant Time: Feb 14 10:53 2011                Quant Results File: temp.res

Method        : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title         : METHOD 8260B
Last Update   : Fri Feb 11 16:43:15 2011
Response via  : Multiple Level Calibration
```



TIC: 0126S50W.D

(2) Gasoline (TMHB)

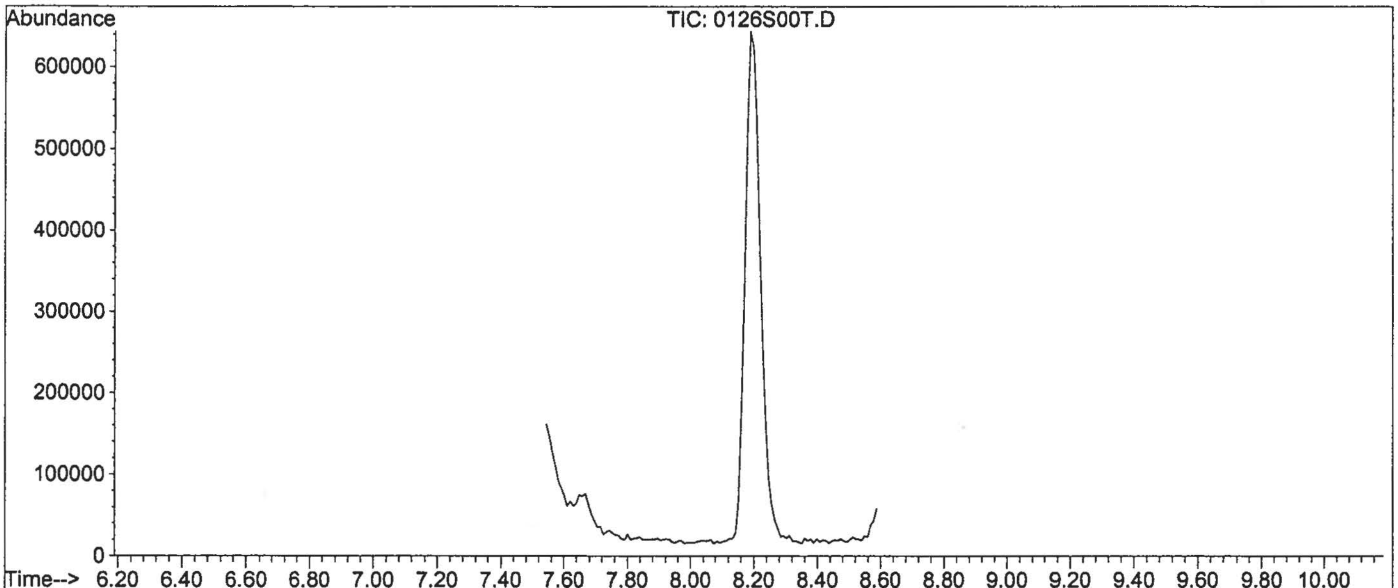
12.48min 484.8303ppb m

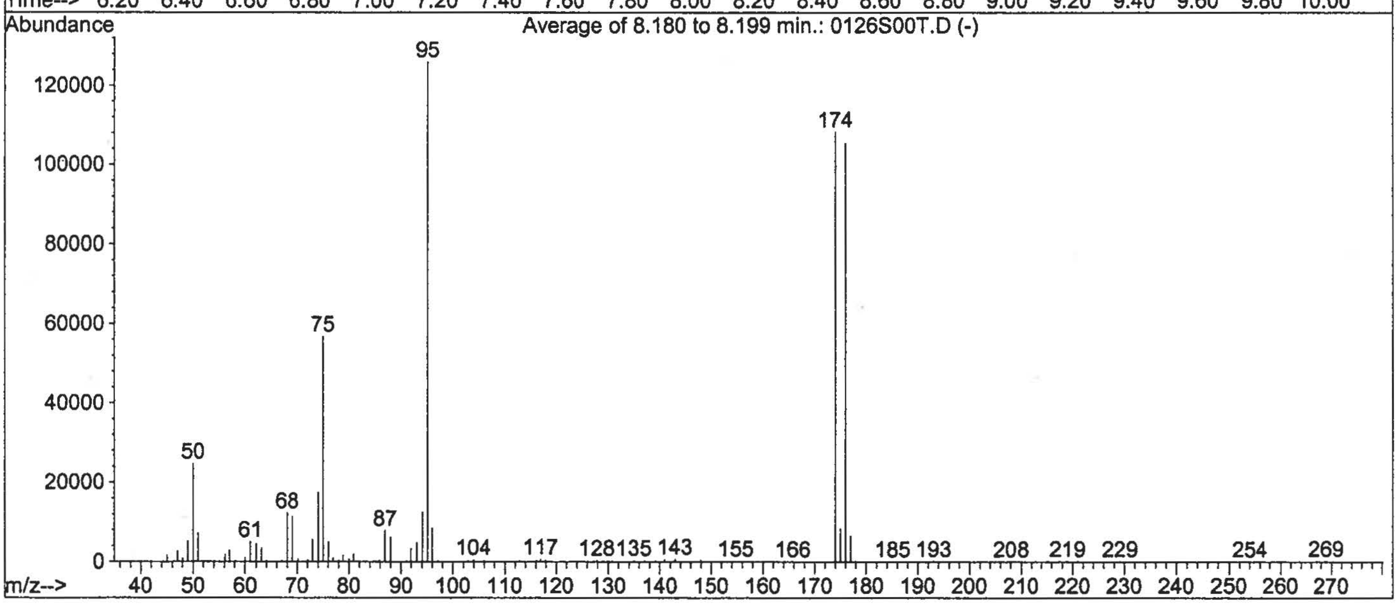
response 48523858

Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.11#
0.00	0.00	0.36#
0.00	0.00	0.00

```
Data File : M:\SWEETPEA\DATA\S110126\0126S00T.D          Vial: 1
Acq On    : 26 Jan 11  10:28                         Operator: GM
Sample    : 20uL/mL BFB Std 12-27-10B                Inst     : Sweetpea
Misc      :  2uL                                     Multiplr: 1.00

Method    : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title     : METHOD 8260B
```





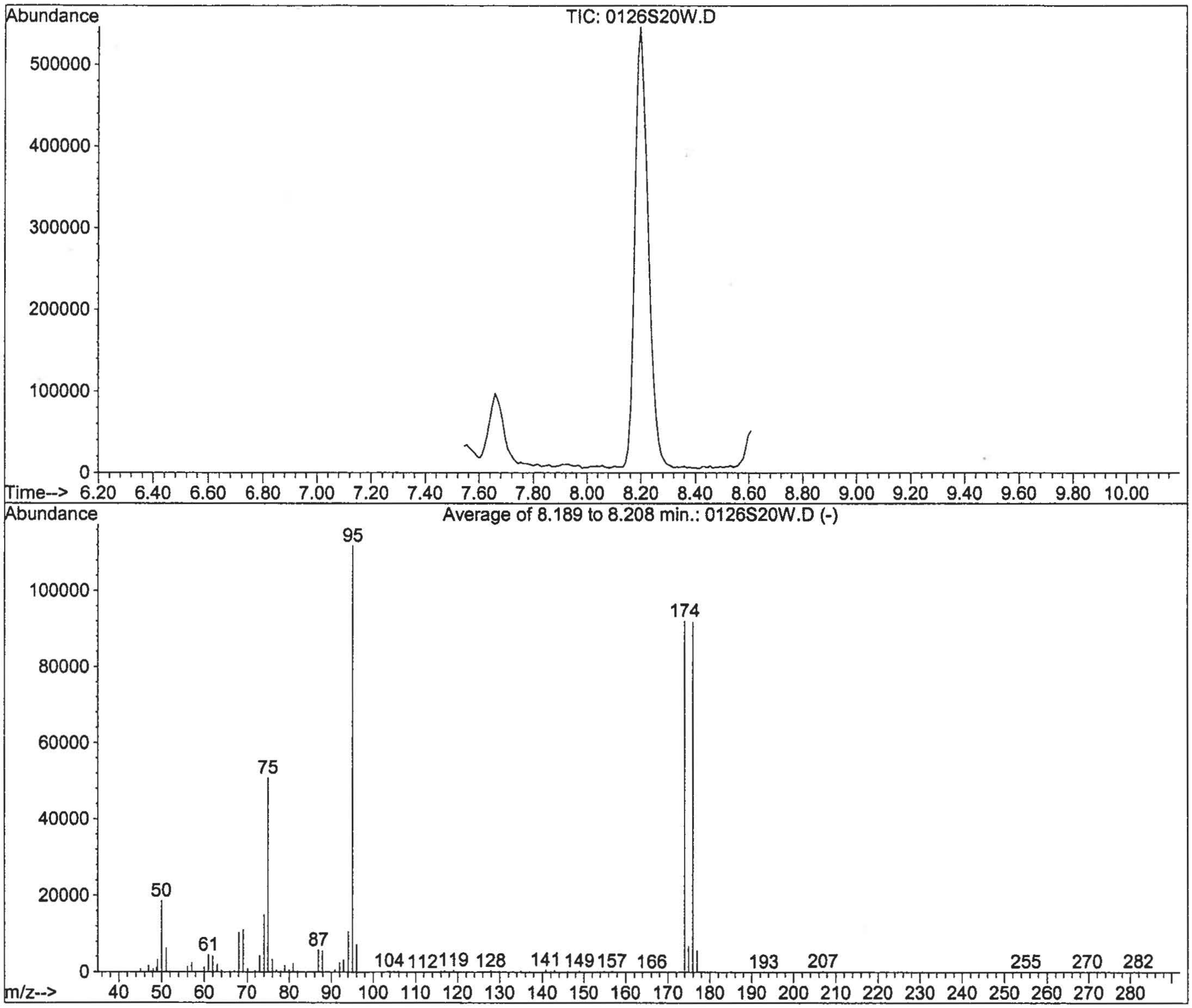
Spectrum Information: Average of 8.180 to 8.199 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	24672	PASS
75	95	30	60	45.1	56805	PASS
95	95	100	100	100.0	125910	PASS
96	95	5	9	6.7	8419	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.0	108253	PASS
175	174	5	9	7.7	8353	PASS
176	174	95	101	97.3	105344	PASS
177	176	5	9	6.1	6449	PASS

BFB

Data File : M:\SWEETPEA\DATA\S110126\0126S20W.D Vial: 20
Acq On : 26 Jan 11 22:31 Operator: GM
Sample : 20uL/mL BFB Std 12-27-10B Inst : Sweetpea
Misc : 2uL Multiplr: 1.00

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B

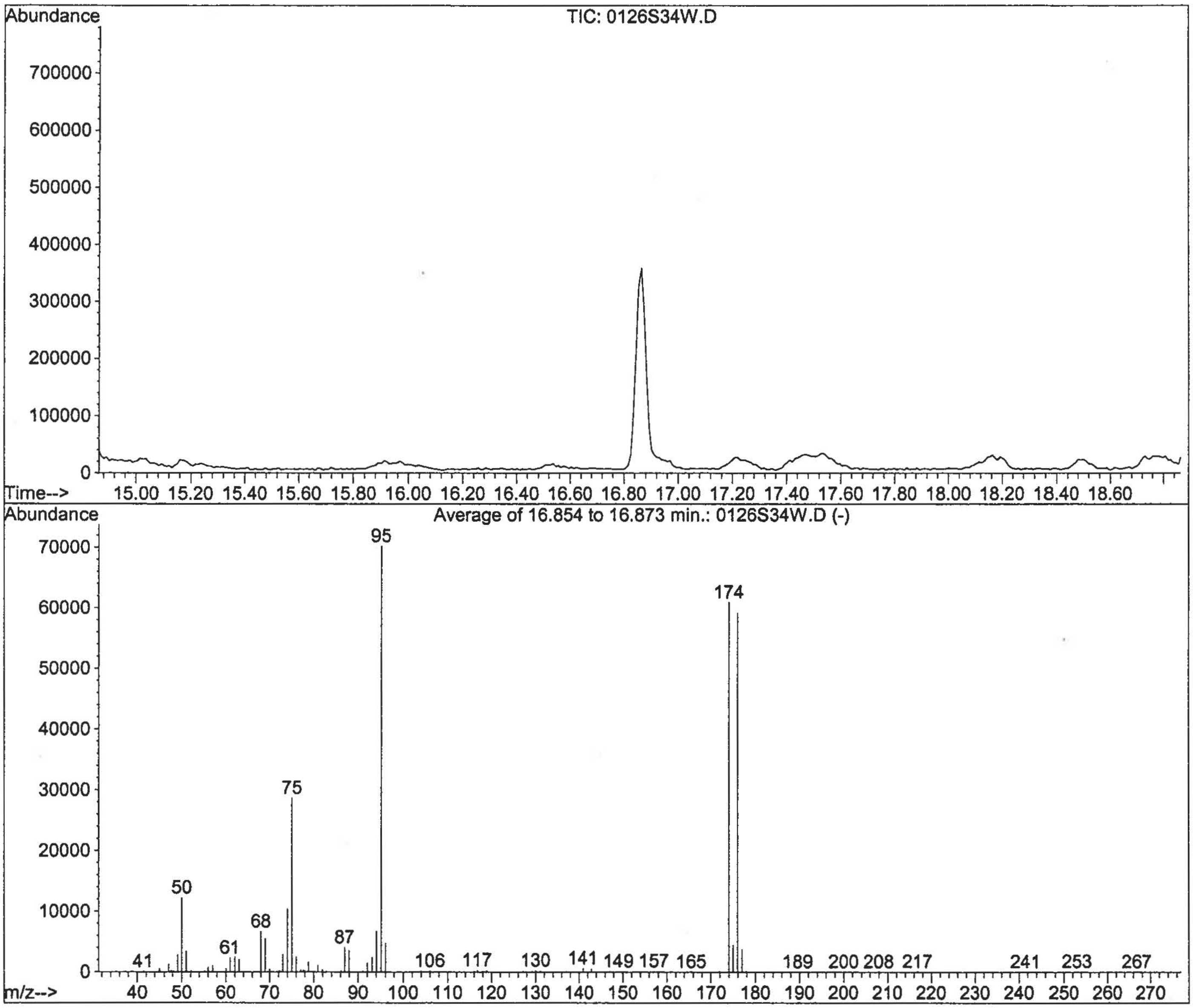


Spectrum Information: Average of 8.189 to 8.208 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	18611	PASS
75	95	30	60	45.4	50801	PASS
95	95	100	100	100.0	111789	PASS
96	95	5	9	6.4	7171	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.4	92085	PASS
175	174	5	9	7.4	6773	PASS
176	174	95	101	99.6	91760	PASS
177	176	5	9	6.1	5626	PASS

Data File : M:\SWEETPEA\DATA\S110126\0126S34W.D Vial: 34
Acq On : 27 Jan 11 8:39 Operator: GM
Sample : 20uL/mL BFB Std 12-27-10B Inst : Sweetpea
Misc : 2uL Multiplr: 1.00

Method : M:\SWEETPEA\DATA\S110126\S86DODW.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Average of 16.854 to 16.873 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	12234	PASS
75	95	30	60	40.9	28678	PASS
95	95	100	100	100.0	70181	PASS
96	95	5	9	6.7	4680	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.8	60931	PASS
175	174	5	9	7.2	4371	PASS
176	174	95	101	97.1	59179	PASS
177	176	5	9	6.3	3725	PASS

GC/MS STANDARD PREPARATION BOOK # 56 PAGE #

1-24-11 G1-
RS

VOC Mix 4-3, 2,000 mg/L, 1 ml
o2si
Cat. No: 120166-01 Exp: 8/1/2012
Lot No: 162334 Storage: ≤ 6 Degrees C
Solvent: P/T Methanol
For Research Use Only
VOC Mix 4-3, 2000mg/L
Lot #: 162334 - 27269
Rec: 9/15/10 MFR exp. 08/01/12

1-24-11 H-
RS

Acrolein Solution, 10,000 mg/L, 2 x 0.6 ml
020229-09-02
R&D only, not human consump. Made in the USA
Lot# 167853 Storage ≤ 6 Degrees C Expiry 2/21/11
Solv: Water, HPLC Grade
Acrolein solution
Lot #: 167853 - 28133
Rec: 1/17/11 MFR exp. 02/21/11

1-24-11 I-
RS

Method 8260 Gases (Second Source), 2,000 mg/L, 2 X 0.6 ml
o2si
Cat. No: 120016-03-SS Exp: 4/3/2013
Lot No: 157727 Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only
Method 8260 Gases (SS)
Lot #: 157727 - 26718
Rec: 6/8/10 MFR exp. 04/03/13

1-24-11 J-
RS

2-Chloroethyl Vinyl Ether Solution (Second Source), 2,000 mg/L, 2 X 0.6 ml
o2si
Cat. No: 020145-02-02-SS Exp: 11/3/2011
Lot No: 152530 Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only
2-Chloroethyl vinyl ether (SS)
Lot #: 152530 - 25454
Rec: 11/6/09 MFR exp. 11/03/11

1-24-11 K-
RS

Vinyl Acetate Solution (Second Source), 2,000 mg/L, 1ml
020232-02-SS
R&D only, not human consump. Made in the USA
Lot# 167177 Storage ≤ -10 Degrees C Expiry 3/17/11
Solv: P/T Methanol
Vinyl Acetate (SS)
Lot #: 167177 - 28041
Rec: 12/27/10 MFR exp. 03/17/11

1-24-11 L-
RS.

Acrolein Solution (Second Source), 10,000 mg/L, 2 x 0.6 ml
020229-09-02-SS
R&D only, not human consump. Made in the USA
Lot# 167854 Storage ≤ 6 Degrees C Expiry 2/21/11
Solv: Water, HPLC Grade
Acrolein Solution SS
Lot #: 167854 - 28135
Rec: 1/17/11 MFR exp. 02/21/11

1-24-11
RS

01-24-11M							
50ug/ml Vol Work Std #7							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	120016-03	Gas Mix	2000	163095-27620	01-24-11A	01/31/11	100
02SI	020049-02	HEXACHLOROETHANE	1000	157911-26714	01-17-11B	04/14/11	200
02SI	020228-02	Benzyl Chloride	1000	154534-26949	01-17-11C	04/14/11	200
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3500
01-24-11N							
50ug/ml Vol Work Std #1							
Exp:01/31/11							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	020145-02-02	2-CEVE	2000	146517-26258	01-24-11B	04/14/11	50
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	1950
01-24-11O							
50ug/ml Vol Work Std #8							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
02SI	122039-02	Volatile Mix, 20-29	2000	163374-27136	01-24-11C	04/14/11	100
02SI	120023-03	VOC'S-54 COMP	2000	151805-25457	01-17-11D	04/14/11	100
02SI	020232-02	Vinyl Acetate	2000	167178-28038	01-17-11E	03/17/11	100
02SI	020620-02	n-Hexane	1000	154166-27158	01-24-11E	06/14/11	200
02SI	020546-02	Heptane	1000	149236-27656	01-24-11F	06/14/11	200
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3300
01-24-11P							
50ug/ml Vol Work Std #2							
Exp:01/31/11			ug/ml				
Supplier	ID #	ID					
02SI	121020-05	HSL'S-Ketone Solution	2000	146523-25425	01-24-11D	04/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3900
		01-24-11Q	Exp:	01/31/11			
		5ug/ml Vol Work Std #9					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #7		01-24-11M	01/31/11	200	
		50ug/ml Vol Work Std #8		01-24-11O	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1600	
		01-24-11R	Exp:	01/31/11			
		5ug/ml Vol Work Std #10					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #1		01-24-11N	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	
		01-24-11S	Exp:	01/31/11			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		01-24-11P	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	
01-24-11T							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:01/24/11			ug/ml	Lot #	Code	Date	uL
02SI	120002-01	8260B Surr Solution	2000	153000-26808	01-31-11F	03/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3900
01-24-11U			Exp:	01/31/11			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		01-24-11T	01/31/11	200	
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	1800	
01-24-11V							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P						APPL	
Exp:01/31/11			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
02SI	120166-01	Volatile Mix 4-3	2000	162334-27269	01-24-11G	05/17/11	500
02SI	020229-09	Acrolein	10000	167853-28133	01-24-11H	02/21/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3400

GC/MS STANDARD PREPARATION BOOK # 56 PAGE

1-24-11
RS

01-24-11W							
50ug/ml VOC Std#5							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	120016-03-SS	8260 Gases(SS)	2000	157727-26718	01-24-11I	01/31/11	50
O2SI	020145-02-02-S	2-CEVE	2000	152530-25454	01-24-11J	03/14/11	50
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	1900
01-17-11X							
50ug/ml VOC Std#6							
Exp:01/31/11							
	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	120023-03-SS	VOC'S 54 COMP.	2000	143038-23882	11-15-10N	03/14/11	50
O2SI	120296-01	Custom 8260 Solution	2000	158407-26485	11-15-10O	03/14/11	50
O2SI	020232-02-SS	Vinyl Acetate(SS)	2000	167177-28041	01-24-11K	03/17/11	50
O2SI	020620-02-SS	n-HEXANE	1000	141564-27168	11-19-10M	03/14/11	100
O2SI	020049-02-SS	HEXACHLOROETHANE	1000	154535-25907	11-15-10Q	03/14/11	100
O2SI	020546-02-SS	Heptane(SS)	1000	142276-23576	11-19-10N	03/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	1550
01-24-11Y							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P						APPL	
Exp:01/31/11			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120166-01-SS	VOC Mix 4-3 (SS)	2000	152531-27298	01-17-11I	03/14/11	250
O2SI	020229-09-SS	Acrolein SOLUTION (SS)	10000	167854-28135	01-24-11L	02/21/11	50
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	1700

1/24/11
RS

01-24-11Z							
50ug/ml Vol Work Std #7							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	120016-03	Gas Mix	2000	163095-27620	01-24-11A	01/31/11	100
O2SI	020049-02	HEXACHLOROETHANE	1000	157911-26714	01-17-11B	04/14/11	200
O2SI	020228-02	Benzyl Chloride	1000	154534-26949	01-17-11C	04/14/11	200
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3500
01-24-11AA							
50ug/ml Vol Work Std #1							
Exp:01/31/11							
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	020145-02-02	2-CEVE	2000	146517-26258	01-24-11B	04/14/11	50
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	1950
01-24-11AB							
50ug/ml Vol Work Std #8							
Exp:01/31/11							
			Conc.		Date	Exp.	
Supplier	ID #	ID	ug/ml	Lot #	Code	Date	ul
O2SI	122039-02	Volatile Mix, 20-29	2000	163374-27136	01-24-11C	04/14/11	100
O2SI	120023-03	VOC'S-54 COMP	2000	151805-25457	01-17-11D	04/14/11	100
O2SI	020232-02	Vinyl Acetate	2000	167178-28038	01-17-11E	03/17/11	100
O2SI	020620-02	n-Hexane	1000	154166-27158	01-24-11E	06/14/11	200
O2SI	020546-02	Heptane	1000	149236-27656	01-24-11F	06/14/11	200
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3300
01-24-11AC							
50ug/ml Vol Work Std #2							
Exp:01/31/11			ug/ml				
Supplier	ID #	ID					
O2SI	121020-05	HSL'S-Ketone Solution	2000	146523-25425	01-24-11D	04/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3900
		01-24-11AD	Exp:	01/31/11			
		5ug/ml Vol Work Std #9					
		SOURCES	**Lot**	**APPL Code**	**APPL Exp Date**	**ul**	
		50ug/ml Vol Work Std #7		01-24-11Z	01/31/11	200	
		50ug/ml Vol Work Std #8		01-24-11AB	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1600	
		01-24-11AE	Exp:	01/31/11			
		5ug/ml Vol Work Std #10					
		SOURCES	**Lot**	**APPL Code**	**APPL Exp Date**	**ul**	
		50ug/ml Vol Work Std #1		01-24-11AA	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	

		01-24-11AF	Exp:	01/31/11			
		5ug/ml Vol Work Std #12					
		SOURCES	Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml Vol Work Std #2		01-24-11AC	01/31/11	200	
		J&T Brand		01/24/11	10/14/11	1800	
01-24-11AG							
50ug/ml 8260 Surrogate			Conc.		Date	Exp.	
Exp:01/24/11			ug/ml	Lot #	Code	Date	uL
O2SI	120002-01	8260B Surr Solution	2000	153000-26808	01-31-11F	03/14/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3900
01-24-11AH			Exp:	01/31/11			
5.0ug/ml 8260 Surrogate			Lot	APPL Code	APPL Exp Date	ul	
		50ug/ml 8260 Surrogate		01-24-11AG	01/31/11	200	
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	1800	
01-24-11AI							
250ug/ml TBA/IBA/Acetonitrile/Cyclohexanone/Acrolein/2-P						APPL	
Exp:01/31/11			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
O2SI	120166-01	Volatile Mix 4-3	2000	162334-27269	01-24-11G	05/17/11	500
O2SI	020229-09	Acrolein	10000	167853-28133	01-24-11H	02/21/11	100
J&T Brand		Purge & Trap MeOH		H46E44-00491	01/24/11	10/14/11	3400

1-24-11 RS

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Sweetpea

	Expiration Date:		01/25/11									
		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	50µg/mL Vol Std #2	5µg/mL Vol Std #12	250µg/mL TAPD	Final Vol
Date	Conc.	01-24-11AD	01-24-11AH	01-24-11Z	01-24-11AB	01-24-11AG	01-24-11AE	01-24-11AA	01-24-11AC	01-24-11AF	01-24-11AI	w/P&T H2O
Code	µg/L	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	mL
01-24-11AJ	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3	3	50
01-24-11AK	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5	5	50
01-24-11AL	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10	10	50
01-24-11AM	5	n/a	n/a	5	5	10	n/a	5	5	n/a	20	50
01-24-11AN	10	n/a	n/a	10	10	25	n/a	10	10	n/a	25	50
01-24-11AO	20	n/a	n/a	20	20	40	n/a	20	20	n/a	30	50
01-24-11AP	40	n/a	n/a	40	40	80	n/a	40	40	n/a	35	50
01-24-11AQ	100	n/a	n/a	100	100	n/a	n/a	100	100	n/a	40	50
01-24-11AR	200	n/a	n/a	200	200	n/a	n/a	200	200	n/a	45	50

1-24-11 RS

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Max

	Expiration Date:		01/25/11									
		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	50µg/mL Vol Std #2	5µg/mL Vol Std #12	250µg/mL TAPD	Final Vol
Date	Conc.	01-24-11AD	01-24-11AH	01-24-11Z	01-24-11AB	01-24-11AG	01-24-11AE	01-24-11AA	01-24-11AC	01-24-11AF	01-24-11AI	w/P&T H2O
Code	µg/L	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	mL
01-24-11AS	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5	5	50
01-24-11AT	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10	10	50
01-24-11AU	2	20	40	n/a	n/a	n/a	20	n/a	n/a	20	15	50
01-24-11AV	5	n/a	n/a	5	5	10	n/a	5	5	n/a	20	50
01-24-11AW	10	n/a	n/a	10	10	25	n/a	10	10	n/a	25	50
01-24-11AX	20	n/a	n/a	20	20	40	n/a	20	20	n/a	30	50
01-24-11AY	40	n/a	n/a	40	40	80	n/a	40	40	n/a	35	50
01-24-11AZ	100	n/a	n/a	100	100	n/a	n/a	100	100	n/a	40	50

1-24-11 RS

1-26-11 RS.

01/26/11F							
1ug/ml Gasoline						APPL	
			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
Supelco	LB61226	Gasoline	2000	LB61226-26324	10-29-10A	09/02/11	400
J&T Brand		Purge & Trap MeOH		H46E44-00490	01/17/11	03/02/12	3600

01/26/11G							
1ug/ml Unleaded Gasoline						APPL	
			Conc.		Date	Exp.	
Supplier	ID #		ug/ml	Lot #	Code	Date	uL
Supelco	30205	Unleaded Gasoline	50,000	A050005-21116	10-29-10B	11/30/12	160
J&T Brand		Purge & Trap MeOH		H46E44-00490	01/17/11	03/02/12	3840

RS

1-26-11 RS

Gasoline Curve Preparation for 100mL Purge (water)-Sweetpea			
	Expiration Date:		01/27/11
		1ug/mL Gasoline	Final Vol
Date	Conc.	01-26-11F	w/P&T H2O
Code	ug/L	Exp.11-05-10	mL
01-26-11H	20	1	100
01-26-11I	50	2.5	100
01-26-11J	100	5	100
01-26-11K	300	15	100
01-26-11L	600	30	100
01-26-11M	800	40	100
01-26-11N	1000	50	100

RS

1/26/11 RS.

Volatile Standard Curve Preparation for 10mL Purge (8260 water)-Sweetpea												
	Expiration Date:		01/27/11									
Date	Conc.	5µg/mL Vol Std #9 01-24-11AD	5µg/mL Surr 01-24-11AH	50µg/mL Vol Std #7 01-24-11Z	50µg/mL Vol Std #8 01-24-11AB	50µg/mL Surr 01-24-11AG	5µg/mL Vol Std #10 01-24-11AE	50µg/mL Vol Std #1 01-24-11AA	50µg/mL Vol Std #2 01-24-11AC	5µg/mL Vol Std #12 01-24-11AF	250µg/mL TAPD 01-24-11AI	Final Vol w/P&T H2O
Code	µg/L	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	Exp:01-31-11	mL
01-26-11O	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a	3	3	50
01-26-11P	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a	5	5	50
01-26-11Q	1	10	20	n/a	n/a	n/a	10	n/a	n/a	10	10	50
01-26-11R	5	n/a	n/a	5	5	10	n/a	5	5	n/a	20	50
01-26-11S	10	n/a	n/a	10	10	25	n/a	10	10	n/a	25	50
01-26-11T	20	n/a	n/a	20	20	40	n/a	20	20	n/a	30	50
01-26-11U	40	n/a	n/a	40	40	80	n/a	40	40	n/a	35	50
01-26-11V	100	n/a	n/a	100	100	n/a	n/a	100	100	n/a	40	50
01-26-11W	200	n/a	n/a	200	200	n/a	n/a	200	200	n/a	45	50

RS RS

1-26-11X

1,2,3-Trichloropropane-d5 Solution, 2,000 mg/L, 1 ml

o2si

Cat. No: 020596-01
Lot No: 151727

Exp: 10/17/2012
Storage: </= -10 Degrees C
Solvent: P/T Methanol
For Research Use Only
Opened: ____________

1,2,3-Trichloropropane-d5
Lot #: 151727 - 28110
Rec: 1/7/11 MFR exp. 10/17/12

1-26-11 RS

Max 524 TCP ONLY							
01-26-11Y							
1.25ug/ml 1,2,3-Trichloropropane-D5			Conc.		Date	Exp.	
			ug/ml	Lot #	Code	Date	uL
02SI	020596-01	1,2,3-Trichloropropane-d5	2000	151727-28110	01-26-11X	10/17/12	2.5
J.T Baker		Purge & Trap MeOH		H46E44-00491	01/25/11	06/14/12	3997.5

1-26-11 RS.

Z-

1,2,3-Trichloropropane
Solution, 2,000 mg/L, 1 ml
020159-03
Lot# 167410 Storage -10 Degrees C Expiry 12/26/12
Solv: P/T Methanol
R&D only, not human consumption. Made in the USA

1,2,3-Trichloropropane
Lot #: 167410 - 28111
Rec: 1/7/11 MFR exp. 12/26/12

RS

AA-

PPS-250-1
ULTRA
Lot: CG-1577
Exp: 05/31/2014
1 mL
1,2,3-Trichloropropane Solution
1 analyte(s) at 1000 µg/mL in methanol
For Lab Use Only

1,2,3-Trichloropropane
Lot #: CG-1577 - 28095
Rec: 1/6/11 MFR exp. 05/30/14

RS

* Max 524 TCP curve on pg. #67. RS

Injection Log

Directory: M:\SWEETPEA\DATA\S110126\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0126S00T.D	1	20uL/mL BFB Std 12-27-10B	2uL	26 Jan 11 10:28
2	4	0126S04W.D	1	Vol Std 01-26-11@20ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 12:52
3	5	0126S05W.D	1	Vol Std 01-26-11@50ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 13:28
4	6	0126S06W.D	1	Vol Std 01-26-11@100ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 14:05
5	7	0126S07W.D	1	Vol Std 01-26-11@300ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 14:41
6	8	0126S08W.D	1	Vol Std 01-26-11@600ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 15:17
7	9	0126S09W.D	1	Vol Std 01-26-11@800ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 15:53
8	10	0126S10W.D	1	Vol Std 01-26-11@1000ug/L	Water 10mL w/IS: 01-17-11	26 Jan 11 16:29
9	11	0126S11W.D	1	GAS 600ug/L (SS)	Water 10mL w/IS&S: 01-17-11	26 Jan 11 17:05
10	20	0126S20W.D	1	20uL/mL BFB Std 12-27-10B	2uL	26 Jan 11 22:31
11	23	0126S23W.D	1	Vol Std 01-26-11@0.3ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 00:17
12	24	0126S24W.D	1	Vol Std 01-26-11@0.5ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 00:51
13	25	0126S25W.D	1	Vol Std 01-26-11@1.0ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 1:27
14	26	0126S26W.D	1	Vol Std 01-26-11@5.0ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 2:03
15	27	0126S27W.D	1	Vol Std 01-26-11@10ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 2:39
16	28	0126S28W.D	1	Vol Std 01-26-11@20ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 3:15
17	29	0126S29W.D	1	Vol Std 01-26-11@40ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 3:51
18	30	0126S30W.D	1	Vol Std 01-26-11@100ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 4:28
19	31	0126S31W.D	1	Vol Std 01-26-11@200ug/L	Water 10mL w/IS: 01-17-11	27 Jan 11 5:04
20	34	0126S34W.D	1	20uL/mL BFB Std 12-27-10B	2uL	27 Jan 11 8:39
21	35	0126S35W.D	1	GAS 600ug/L STD LCS-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 9:15
22	38	0126S38W.D	1	110126A LCS-1WS(SS)	Water 10mL w/IS&S: 01-17-11	27 Jan 11 11:04
23	40	0126S40W.D	1	110126A BLK-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 12:16
24	41	0126S41W.D	1	AY30580W01	Water 10mL w/IS&S: 01-17-11	27 Jan 11 12:51
25	42	0126S42W.D	1	AY30575W01	Water 10mL w/IS&S: 01-17-11	27 Jan 11 13:27
26	43	0126S43W.D	1	AY30576W01	Water 10mL w/IS&S: 01-17-11	27 Jan 11 14:03
27	44	0126S44W.D	1	AY30577W01	Water 10mL w/IS&S: 01-17-11	27 Jan 11 14:39
28	45	0126S45W.D	1	AY30578W01	Water 10mL w/IS&S: 01-17-11	27 Jan 11 15:15
29	46	0126S46W.D	1	AY30579W01	Water 10mL w/IS&S: 01-17-11	27 Jan 11 15:51
30	47	0126S47W.D	1	AY30578W234 MS-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 16:27
31	48	0126S48W.D	1	AY30578W234 MSD-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 17:03
32	49	0126S49W.D	1	AY30578W674 MS-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 17:39
33	50	0126S50W.D	1	AY30578W674 MSD-1WS	Water 10mL w/IS&S: 01-17-11	27 Jan 11 18:15

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	01/25/11	01/26/11	#602D-110125A-AY30578

Metals SC-Blank-REG MDLs
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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)	250	239	95.6	80-120	1/25/2011	1/26/2011	#602D-110125A-AY30578

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Comments: ____________________

Matrix Spike Recoveries

METALS

APPL ID: **110125W-30578 MS - 151537**

Sample ID: AY30578

Client ID: ES017

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	250	ND	227	230	90.8	92.0	1.3	20	80-120	1/25/2011	1/26/2011	1/25/2011	1/26/2011	151537	AY30578

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Comments:

Printed: 1/28/2011 4:25:01 PM
APPL MSD SCII

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: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES015

APPL ID: AY30575

Sample Collection Date: 1/20/2011

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/25/2011	1/26/2011

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APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\026SMPL.D\026SMPL.D#
Date Acquired:	Jan 26 2011 11:10 am
Operator:	SDM
Sample Name:	AY30575W08
Misc Info:	110125A-3015
Vial Number:	3105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.16 ug/l	-0.18	1.39	1000	
11 B	50.36 ug/l	55.95	1.69	1000	
23 Na	32080.00 ug/l	35640.88	0.39	25000	>Cal
24 Mg	9429.00 ug/l	10475.62	0.78	50000	
27 Al	26.45 ug/l	29.39	1.67	20000	
39 K	1855.00 ug/l	2060.91	0.46	20000	
44 Ca	17360.00 ug/l	19286.96	0.45	50000	
47 Ti	1.80 ug/l	2.00	14.57	1000	
51 V	0.19 ug/l	0.21	5.32	1000	
52 Cr	0.66 ug/l	0.74	2.06	1000	
55 Mn	878.50 ug/l	976.01	0.33	1000	
56 Fe	713.20 ug/l	792.37	1.42	20000	
59 Co	0.78 ug/l	0.86	0.83	1000	
60 Ni	2.83 ug/l	3.14	2.10	1000	
63 Cu	5.33 ug/l	5.93	1.62	1000	
65 Cu	5.36 ug/l	5.96	1.92	1000	
66 Zn	9.79 ug/l	10.88	2.30	1000	
75 As	0.46 ug/l	0.51	2.69	1000	
78 Se	0.24 ug/l	0.27	14.91	1000	
78 Se	0.32 ug/l	0.36	57.62	1000	
88 Sr	106.50 ug/l	118.32	2.37	1000	
88 Sr	106.80 ug/l	118.65	0.40	1000	
95 Mo	0.96 ug/l	1.07	4.29	1000	
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	0.02 ug/l	0.02	10.12	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	0.00 ug/l	0.00	761.36	1000	
118 Sn	1.76 ug/l	1.95	5.38	1000	
121 Sb	2.01 ug/l	2.23	4.61	1000	
137 Ba	11.10 ug/l	12.33	0.89	1000	
205 Tl	0.00 ug/l	0.00	129.14	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	-0.13 ug/l	-0.14	11.00	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5396407.00	0.82	5418296.00	99.6	70 - 120	
45 Sc	3875252.00	0.90	3348937.80	115.7	70 - 120	
45 Sc	105964.95	1.62	98302.68	107.8	70 - 120	
45 Sc	5279487.00	1.61	4430331.00	119.2	70 - 120	
72 Ge	674384.88	0.56	674953.19	99.9	70 - 120	
72 Ge	49048.77	1.79	46572.09	105.3	70 - 120	
72 Ge	740608.88	0.52	720169.00	102.8	70 - 120	
115 In	4060196.80	1.13	3815386.50	106.4	70 - 120	
159 Tb	4246767.50	0.82	3825153.30	111.0	70 - 120	
165 Ho	4149984.00	0.82	3722287.30	111.5	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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

Metals Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES014

APPL ID: AY30576

Sample Collection Date: 1/20/2011

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/25/2011	1/26/2011

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APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\027SMPL.D\027SMPL.D#
Date Acquired:	Jan 26 2011 11:16 am
Operator:	SDM
Sample Name:	AY30576W09
Misc Info:	110125A-3015
Vial Number:	3106
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.16	ug/l	-0.18	1.76	1000	
11	B	33.91	ug/l	37.67	1.67	1000	
23	Na	40230.00	ug/l	44695.53	0.96	25000	>Cal
24	Mg	17530.00	ug/l	19475.83	0.53	50000	
27	Al	17.05	ug/l	18.94	4.08	20000	
39	K	2446.00	ug/l	2717.51	0.60	20000	
44	Ca	18650.00	ug/l	20720.15	0.58	50000	
47	Ti	0.57	ug/l	0.64	12.50	1000	
51	V	12.96	ug/l	14.40	0.83	1000	
52	Cr	1.97	ug/l	2.19	1.69	1000	
55	Mn	0.38	ug/l	0.42	6.07	1000	
56	Fe	14.74	ug/l	16.38	1.40	20000	
59	Co	-0.13	ug/l	-0.14	0.94	1000	
60	Ni	0.22	ug/l	0.24	2.44	1000	
63	Cu	-0.42	ug/l	-0.46	3.14	1000	
65	Cu	-0.42	ug/l	-0.46	3.33	1000	
66	Zn	4.68	ug/l	5.20	0.96	1000	
75	As	0.14	ug/l	0.16	8.51	1000	
78	Se	0.21	ug/l	0.23	11.58	1000	
78	Se	0.21	ug/l	0.23	8.67	1000	
88	Sr	155.50	ug/l	172.76	2.75	1000	
88	Sr	153.90	ug/l	170.98	1.11	1000	
95	Mo	0.67	ug/l	0.74	4.22	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	0.03	ug/l	0.03	23.57	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	0.00	ug/l	0.00	90.44	1000	
118	Sn	0.84	ug/l	0.93	5.46	1000	
121	Sb	1.03	ug/l	1.15	2.62	1000	
137	Ba	8.72	ug/l	9.69	1.52	1000	
205	Tl	0.00	ug/l	0.00	102.10	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	-0.19	ug/l	-0.21	1.26	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	5560473.50	1.32	5418296.00	102.6	70 - 120	
45	Sc	3824843.80	0.42	3348937.80	114.2	70 - 120	
45	Sc	106635.76	0.73	98302.68	108.5	70 - 120	
45	Sc	5176240.50	2.37	4430331.00	116.8	70 - 120	
72	Ge	689213.56	0.11	674953.19	102.1	70 - 120	
72	Ge	48923.48	1.10	46572.09	105.0	70 - 120	
72	Ge	743327.69	1.12	720169.00	103.2	70 - 120	
115	In	4069188.50	0.49	3815386.50	106.7	70 - 120	
159	Tb	4252505.00	0.73	3825153.30	111.2	70 - 120	
165	Ho	4168375.80	1.06	3722287.30	112.0	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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

Metals Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES016

APPL ID: AY30577

Sample Collection Date: 1/21/2011

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/25/2011	1/26/2011

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APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\028SMPL.D\028SMPL.D#
Date Acquired:	Jan 26 2011 11:22 am
Operator:	SDM
Sample Name:	AY30577W08
Misc Info:	110125A-3015
Vial Number:	3107
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.16	ug/l	-0.17	3.55	1000	
11	B	30.93	ug/l	34.36	0.48	1000	
23	Na	43720.00	ug/l	48572.92	0.55	25000	>Cal
24	Mg	12240.00	ug/l	13598.64	0.36	50000	
27	Al	26.47	ug/l	29.41	2.21	20000	
39	K	676.90	ug/l	752.04	0.47	20000	
44	Ca	10150.00	ug/l	11276.65	0.95	50000	
47	Ti	0.75	ug/l	0.84	10.73	1000	
51	V	0.03	ug/l	0.04	18.57	1000	
52	Cr	0.32	ug/l	0.36	4.20	1000	
55	Mn	334.30	ug/l	371.41	0.40	1000	
56	Fe	5818.00	ug/l	6463.80	0.80	20000	
59	Co	-0.03	ug/l	-0.03	18.97	1000	
60	Ni	1.06	ug/l	1.17	1.93	1000	
63	Cu	-0.27	ug/l	-0.30	12.21	1000	
65	Cu	-0.27	ug/l	-0.30	14.90	1000	
66	Zn	7.14	ug/l	7.93	3.72	1000	
75	As	0.08	ug/l	0.09	23.18	1000	
78	Se	0.04	ug/l	0.04	49.63	1000	
78	Se	0.09	ug/l	0.10	109.06	1000	
88	Sr	101.40	ug/l	112.66	0.48	1000	
88	Sr	101.00	ug/l	112.21	0.56	1000	
95	Mo	0.68	ug/l	0.75	3.77	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	0.03	ug/l	0.03	20.38	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	-0.01	ug/l	-0.01	130.83	1000	
118	Sn	0.58	ug/l	0.64	3.48	1000	
121	Sb	0.74	ug/l	0.82	1.85	1000	
137	Ba	6.43	ug/l	7.14	1.44	1000	
205	Tl	-0.01	ug/l	-0.01	18.00	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	-0.14	ug/l	-0.16	5.31	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	5701971.00	0.90	5418296.00	105.2	70 - 120	
45	Sc	3732168.00	2.03	3348937.80	111.4	70 - 120	
45	Sc	107040.82	1.60	98302.68	108.9	70 - 120	
45	Sc	5123872.50	0.37	4430331.00	115.7	70 - 120	
72	Ge	687000.94	1.65	674953.19	101.8	70 - 120	
72	Ge	49301.93	1.14	46572.09	105.9	70 - 120	
72	Ge	753165.06	0.33	720169.00	104.6	70 - 120	
115	In	4073920.50	0.68	3815386.50	106.8	70 - 120	
159	Tb	4315232.00	0.52	3825153.30	112.8	70 - 120	
165	Ho	4218675.00	0.28	3722287.30	113.3	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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

Metals Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra

Project: LTM Red Hill Bulk Fuel Storage Facility

ARF: 63706

Sample ID: ES017

APPL ID: AY30578

Sample Collection Date: 1/21/2011

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/25/2011	1/26/2011

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APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\029SMPL.D\029SMPL.D#
Date Acquired:	Jan 26 2011 11:28 am
Operator:	SDM
Sample Name:	AY30578W20
Misc Info:	110125A-3015
Vial Number:	3108
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.16	ug/l	-0.18	2.36	1000	
11 B	16.82	ug/l	18.69	0.98	1000	
23 Na	212400.00	ug/l	235976.40	5.59	25000	>Cal
24 Mg	22470.00	ug/l	24964.17	5.33	50000	
27 Al	46.06	ug/l	51.17	5.77	20000	
39 K	7166.00	ug/l	7961.43	4.67	20000	
44 Ca	246300.00	ug/l	273639.30	5.59	50000	>Cal
47 Ti	1.97	ug/l	2.19	12.95	1000	
51 V	0.11	ug/l	0.12	8.10	1000	
52 Cr	23.30	ug/l	25.89	4.44	1000	
55 Mn	3.57	ug/l	3.96	3.61	1000	
56 Fe	57.35	ug/l	63.72	4.98	20000	
59 Co	4.82	ug/l	5.35	4.82	1000	
60 Ni	20.09	ug/l	22.32	4.00	1000	
63 Cu	3.94	ug/l	4.38	6.38	1000	
65 Cu	4.01	ug/l	4.45	4.60	1000	
66 Zn	23.48	ug/l	26.09	5.43	1000	
75 As	0.14	ug/l	0.15	11.77	1000	
78 Se	1.80	ug/l	2.00	1.95	1000	
78 Se	2.01	ug/l	2.24	5.30	1000	
88 Sr	5309.00	ug/l	5898.30	4.89	1000	>Cal
88 Sr	5209.00	ug/l	5787.20	0.87	1000	>Cal
95 Mo	1.38	ug/l	1.53	2.66	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	0.04	ug/l	0.04	3.93	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	0.03	ug/l	0.03	45.95	1000	
118 Sn	0.63	ug/l	0.70	1.88	1000	
121 Sb	0.61	ug/l	0.68	1.88	1000	
137 Ba	212.00	ug/l	235.53	3.39	1000	
205 Tl	0.00	ug/l	0.00	241.69	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	-0.02	ug/l	-0.02	52.53	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5599318.00	0.59	5418296.00	103.3	70 - 120	
45 Sc	3593813.00	0.34	3348937.80	107.3	70 - 120	
45 Sc	105154.66	4.07	98302.68	107.0	70 - 120	
45 Sc	4865037.00	1.47	4430331.00	109.8	70 - 120	
72 Ge	634338.50	0.22	674953.19	94.0	70 - 120	
72 Ge	44943.36	3.78	46572.09	96.5	70 - 120	
72 Ge	696589.63	0.83	720169.00	96.7	70 - 120	
115 In	3766038.00	0.66	3815386.50	98.7	70 - 120	
159 Tb	4006328.80	0.24	3825153.30	104.7	70 - 120	
165 Ho	3913839.50	0.17	3722287.30	105.1	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES018
Sample Collection Date: 1/21/2011

ARF: 63706
APPL ID: AY30579

Method	Analyte	Result	LOQ	LOD	DL	Units	DF	Prep Date	Analysis Date
6020	LEAD (PB) (DISSOLVED)	0.22 U	0.5	0.22	0.11	ug/L	1	1/25/2011	1/26/2011

Printed: 1/28/2011 4:25:09 PM
APPL-F1-SC-NoMC-REG MDLs

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\037SMPL.D\037SMPL.D#
Date Acquired:	Jan 26 2011 12:15 pm
Operator:	SDM
Sample Name:	AY30579W08
Misc Info:	110125A-3015
Vial Number:	3201
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.16	ug/l	-0.18	2.54	1000	
11	B	16.25	ug/l	18.05	1.02	1000	
23	Na	214800.00	ug/l	238642.80	1.10	25000	>Cal
24	Mg	40550.00	ug/l	45051.05	0.66	50000	
27	Al	112.90	ug/l	125.43	1.99	20000	
39	K	7205.00	ug/l	8004.76	0.33	20000	
44	Ca	225100.00	ug/l	250086.10	0.40	50000	>Cal
47	Ti	2.86	ug/l	3.18	8.51	1000	
51	V	0.39	ug/l	0.43	3.56	1000	
52	Cr	20.30	ug/l	22.55	0.53	1000	
55	Mn	0.73	ug/l	0.81	2.11	1000	
56	Fe	33.65	ug/l	37.39	0.94	20000	
59	Co	3.97	ug/l	4.41	0.70	1000	
60	Ni	16.59	ug/l	18.43	0.21	1000	
63	Cu	2.33	ug/l	2.59	2.14	1000	
65	Cu	2.40	ug/l	2.66	1.29	1000	
66	Zn	6.29	ug/l	6.98	1.44	1000	
75	As	0.30	ug/l	0.34	7.09	1000	
78	Se	1.95	ug/l	2.16	0.92	1000	
78	Se	2.22	ug/l	2.46	6.43	1000	
88	Sr	4821.00	ug/l	5356.13	0.73	1000	>Cal
88	Sr	4638.00	ug/l	5152.82	0.88	1000	>Cal
95	Mo	1.49	ug/l	1.66	0.82	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	0.01	ug/l	0.01	39.14	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	0.02	ug/l	0.02	101.75	1000	
118	Sn	0.82	ug/l	0.92	2.09	1000	
121	Sb	1.05	ug/l	1.17	2.25	1000	
137	Ba	190.10	ug/l	211.20	0.77	1000	
205	Tl	0.03	ug/l	0.04	22.82	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	-0.08	ug/l	-0.09	13.14	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	4982640.00	0.61	5418296.00	92.0	70 - 120	
45	Sc	3437147.30	0.95	3348937.80	102.6	70 - 120	
45	Sc	105745.97	2.31	98302.68	107.6	70 - 120	
45	Sc	4760940.50	1.33	4430331.00	107.5	70 - 120	
72	Ge	606887.94	0.18	674953.19	89.9	70 - 120	
72	Ge	45178.06	1.54	46572.09	97.0	70 - 120	
72	Ge	688935.44	0.57	720169.00	95.7	70 - 120	
115	In	3681246.00	0.46	3815386.50	96.5	70 - 120	
159	Tb	3848107.30	1.36	3825153.30	100.6	70 - 120	
165	Ho	3740404.50	0.77	3722287.30	100.5	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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: 63706 SDG: 63706

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 1/26/2011 Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found 9:29	%R(1)	True CCV1	Found 9:53	%R(1)	True CCV1	Found 10:34	%R(1)	
Lead (Pb)	100	100.7	101	50	49.88	99.8	50	52.51	105	P

(1) Control Limits: Metals 90-110 ILM02.0

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No: 63706 SDG: 63706

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 1/26/2011 Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration						M
	True	Found 9:29	%R(1)	True CCV1	Found 11:51	%R(1)	True CCV1	Found 13:07	%R(1)	
Lead (Pb)	100	100.7	101	50	49.64	99.3	50	48.96	97.9	P

(1) Control Limits: Metals 90-110

ILM02.0

30578_602D_Opti_110126A

FORM II (PART 1) - IN

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 63706 SDG: 63706

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analysis Date: 1/26/2011

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
	09:41		10:05		10:40		11:57		10:46		
Lead (Pb)	.50	U	.50	U	.50	U	.50	U	.50	U	P

3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Environet, Inc.

ARF No.: 63706 SDG: 63706

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analysis Date: 1/26/2011

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
	09:41		13:13						10:46		
Lead (Pb)	.50	U	.50	U					.50	U	P

ICP INTERFERENCE CHECK SAMPLE

Lab Name:	A.P.P.L. INC.	Contract:	Environet, Inc.
ARF No.:	63706	SDG:	63706
ICP ID Number:	Optimus	ICS Source:	Environmental Express

Analysis Date: 1/26/2011 Concentration Units: ug/L

Analyte	True		Initial Found		
	Sol A	Sol AB	Sol A 10:11	Sol AB 10:17	%R(1)
Lead (Pb)		500	2.583	450.3	90.1

(1) Control Limits: Metals 80-120

A.P.P.L. INC.
5B
POST DIGEST SPIKE SAMPLE RECOVERY

CLIENT SAMPLE NO.
ES017

Lab Name: A.P.P.L. INC.   Contract: Environet, Inc.

ARF No.: 63706   SDG: 63706

Analysis Date: 1/26/2011   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	247.419		-0.0230103		277.500	89.2		

Comments:

1/26/2011 11:28 AY30578W20

1/26/2011 12:03 AY30578W20-A

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\035SMPL.D\035SMPL.D#
Date Acquired:	Jan 26 2011 12:03 pm
Operator:	SDM
Sample Name:	AY30578W20-A
Misc Info:	110125A-3015
Vial Number:	3111
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	37.12	ug/l	41.24	1.26	1000	
11 B	199.60	ug/l	221.76	0.35	1000	
23 Na	213900.00	ug/l	237642.90	0.98	25000	>Cal
24 Mg	41640.00	ug/l	46262.04	1.53	50000	
27 Al	1923.00	ug/l	2136.45	0.57	20000	
39 K	11280.00	ug/l	12532.08	0.70	20000	
44 Ca	252800.00	ug/l	280860.80	0.36	50000	>Cal
47 Ti	238.40	ug/l	264.86	1.48	1000	
51 V	230.20	ug/l	255.75	0.89	1000	
52 Cr	241.80	ug/l	268.64	1.32	1000	
55 Mn	222.80	ug/l	247.53	0.95	1000	
56 Fe	905.00	ug/l	1005.46	0.60	20000	
59 Co	213.60	ug/l	237.31	1.06	1000	
60 Ni	208.20	ug/l	231.31	1.41	1000	
63 Cu	228.20	ug/l	253.53	0.88	1000	
65 Cu	218.20	ug/l	242.42	0.16	1000	
66 Zn	390.20	ug/l	433.51	0.58	1000	
75 As	219.70	ug/l	244.09	0.67	1000	
78 Se	194.20	ug/l	215.76	0.46	1000	
78 Se	199.80	ug/l	221.98	1.40	1000	
88 Sr	5432.00	ug/l	6034.95	1.61	1000	>Cal
88 Sr	5244.00	ug/l	5826.08	1.43	1000	>Cal
95 Mo	284.00	ug/l	315.52	0.81	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	57.49	ug/l	63.87	2.34	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	42.43	ug/l	47.14	0.73	1000	
118 Sn	248.50	ug/l	276.08	1.19	1000	
121 Sb	243.60	ug/l	270.64	0.24	1000	
137 Ba	464.50	ug/l	516.06	0.88	1000	
205 Tl	217.00	ug/l	241.09	0.54	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	222.90	ug/l	247.64	0.42	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	4840985.00	0.60	5418296.00	89.3	70 -	120	
45 Sc	3571539.30	0.78	3348937.80	106.6	70 -	120	
45 Sc	109666.55	2.08	98302.68	111.6	70 -	120	
45 Sc	4732658.00	0.52	4430331.00	106.8	70 -	120	
72 Ge	609438.94	0.62	674953.19	90.3	70 -	120	
72 Ge	44867.13	0.63	46572.09	96.3	70 -	120	
72 Ge	664575.81	0.96	720169.00	92.3	70 -	120	
115 In	3619703.00	1.30	3815386.50	94.9	70 -	120	
159 Tb	3917723.80	1.00	3825153.30	102.4	70 -	120	
165 Ho	3729055.80	1.20	3722287.30	100.2	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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.

ES017

Lab Name: A.P.P.L. INC.

Contract: Environet, Inc.

ARF No.: 63706

SDG: 63706

Matrix: water

Analysis Date: 1/26/2011

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	%D	Q	M
Lead (Pb)	-0.0230103		-0.957432		NA		

Comments:

1/26/2011 11:28 AY30578W20

1/26/2011 12:09 AY30578W20-1/5

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\036SMPL.D\036SMPL.D#
Date Acquired:	Jan 26 2011 12:09 pm
Operator:	SDM
Sample Name:	AY30578W20-1/5
Misc Info:	110125A-3015
Vial Number:	3112
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.13	ug/l	-0.74	2.24	1000	
11	B	3.97	ug/l	22.06	2.17	1000	
23	Na	44580.00	ug/l	247686.48	1.38	25000	>Cal
24	Mg	4863.00	ug/l	27018.83	1.73	50000	
27	Al	10.69	ug/l	59.39	3.82	20000	
39	K	1472.00	ug/l	8178.43	0.88	20000	
44	Ca	52600.00	ug/l	292245.60	2.84	50000	>Cal
47	Ti	0.76	ug/l	4.23	30.64	1000	
51	V	0.17	ug/l	0.94	6.64	1000	
52	Cr	5.06	ug/l	28.10	0.50	1000	
55	Mn	0.67	ug/l	3.75	1.08	1000	
56	Fe	13.98	ug/l	77.67	0.46	20000	
59	Co	0.98	ug/l	5.47	0.76	1000	
60	Ni	4.70	ug/l	26.12	0.70	1000	
63	Cu	0.33	ug/l	1.81	4.05	1000	
65	Cu	0.35	ug/l	1.93	11.47	1000	
66	Zn	8.50	ug/l	47.24	1.31	1000	
75	As	0.38	ug/l	2.11	9.33	1000	
78	Se	0.73	ug/l	4.06	4.46	1000	
78	Se	1.00	ug/l	5.55	20.57	1000	
88	Sr	1118.00	ug/l	6211.61	1.32	1000	>Cal
88	Sr	1025.00	ug/l	5694.90	0.61	1000	>Cal
95	Mo	0.77	ug/l	4.29	10.39	1000	
106	(Cd)	--------	ug/l	#VALUE!	--------	#######	
107	Ag	0.03	ug/l	0.19	23.15	500	
108	(Cd)	--------	ug/l	#VALUE!	--------	#######	
111	Cd	0.03	ug/l	0.18	37.43	1000	
118	Sn	0.75	ug/l	4.19	4.09	1000	
121	Sb	0.38	ug/l	2.14	2.11	1000	
137	Ba	43.95	ug/l	244.19	0.99	1000	
205	Tl	0.06	ug/l	0.35	8.58	1000	
206	(Pb)	--------	ug/l	#VALUE!	--------	#######	
207	(Pb)	--------	ug/l	#VALUE!	--------	#######	
208	Pb	-0.17	ug/l	-0.96	2.65	1000	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5245290.50	1.08	5418296.00	96.8	70 -	120	
45	Sc	3452612.00	0.92	3348937.80	103.1	70 -	120	
45	Sc	102670.11	0.78	98302.68	104.4	70 -	120	
45	Sc	4525624.00	1.60	4430331.00	102.2	70 -	120	
72	Ge	671365.50	0.66	674953.19	99.5	70 -	120	
72	Ge	47460.88	1.26	46572.09	101.9	70 -	120	
72	Ge	724651.75	0.88	720169.00	100.6	70 -	120	
115	In	3769945.80	0.40	3815386.50	98.8	70 -	120	
159	Tb	3883491.80	0.42	3825153.30	101.5	70 -	120	
165	Ho	3783625.80	0.52	3722287.30	101.6	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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**

Calibration Blank QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\004CAL
Date Acquired:	Jan 26 2011 08:59 am
Operator:	SDM
Sample Name:	Calibration Blank
Misc Info:	
Vial Number:	1101
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 08:57 am
Sample Type:	CalBlk
Total Dil Factor:	1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)
6	Li	5418296.00	A	42760.00	0.79
7	(Li)	905569.81	A	11800.00	1.30
9	Be	4167.38	P	196.80	4.72
11	B	24158.93	P	500.50	2.07
23	Na	43926.51	P	321.70	0.73
24	Mg	1302.33	P	30.06	2.31
27	Al	314.46	P	58.91	18.73
39	K	12485.63	P	427.50	3.42
44	Ca	187.40	P	8.33	4.45
45	Sc	3348938.00	A	43410.00	1.30
45	Sc	98302.68	P	1361.00	1.38
45	Sc	4430331.00	A	59340.00	1.34
47	Ti	7.11	P	2.04	28.65
51	V	480.02	P	41.33	8.61
52	Cr	487.13	P	42.05	8.63
55	Mn	593.80	P	29.38	4.95
56	Fe	5814.59	P	33.32	0.57
59	Co	1709.01	P	19.06	1.12
60	Ni	299.12	P	9.83	3.29
63	Cu	6002.65	P	35.29	0.59
65	Cu	2926.11	P	66.96	2.29
66	Zn	1208.96	P	60.88	5.04
72	Ge	674953.19	P	7219.00	1.07
72	Ge	46572.09	P	427.50	0.92
72	Ge	720169.00	P	6809.00	0.95
75	As	45.33	P	1.67	3.68
78	Se	108.33	P	5.57	5.14
78	Se	5.78	P	3.10	53.60
88	Sr	100.00	P	6.67	6.67
88	Sr	3074.89	P	124.10	4.04
95	Mo	1256.77	P	55.08	4.38
106	(Cd)	94.45	P	18.36	19.44
107	Ag	1096.75	P	12.02	1.10
108	(Cd)	76.67	P	6.67	8.70
111	Cd	423.89	P	42.34	9.99
115	In	3815386.00	A	16340.00	0.43
118	Sn	2489.23	P	131.90	5.30
121	Sb	1636.82	P	5.78	0.35
137	Ba	587.81	P	50.15	8.53
159	Tb	3825153.00	A	30410.00	0.80
165	Ho	3722287.00	A	54410.00	1.46
205	Tl	2196.94	P	66.92	3.05
206	(Pb)	2854.86	P	90.54	3.17
207	(Pb)	2584.79	P	35.66	1.38
208	Pb	11491.29	P	429.20	3.74

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\11A26i00.B\005CALS.D\005CALS.D#
Date Acquired: Jan 26 2011 09:05 am
Operator: SDM
Sample Name: 110124 Standard 1
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:03 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)	Cal Coef
6	Li	5494261.00	A	70840.00	1.29	0.0000
7	(Li)	917045.19	A	5066.00	0.55	0.0000
9	Be	4720.89	P	217.20	4.60	0.0000
11	B	25038.47	P	672.20	2.68	0.0000
23	Na	42375.45	P	45.14	0.11	0.0000
24	Mg	4609.76	P	35.65	0.77	0.0000
27	Al	693.37	P	49.78	7.18	0.0000
39	K	14000.40	P	154.70	1.11	0.0000
44	Ca	462.58	P	12.01	2.60	0.0000
45	Sc	3410215.00	A	11950.00	0.35	0.0000
45	Sc	98943.22	P	6157.00	6.22	0.0000
45	Sc	4394164.00	A	86100.00	1.96	0.0000
47	Ti	16.44	P	3.08	18.72	0.0000
51	V	996.05	P	20.18	2.03	0.0000
52	Cr	1041.83	P	75.43	7.24	0.0000
55	Mn	543.13	P	28.76	5.30	0.0000
56	Fe	14894.05	P	275.00	1.85	0.0000
59	Co	1926.82	P	57.76	3.00	0.0000
60	Ni	1369.86	P	25.38	1.85	0.0000
63	Cu	2264.21	P	39.29	1.74	0.0000
65	Cu	1076.50	P	66.68	6.19	0.0000
66	Zn	2971.46	P	87.89	2.96	0.0000
72	Ge	678318.81	P	5047.00	0.74	0.0000
72	Ge	46820.96	P	2185.00	4.67	0.0000
72	Ge	704621.38	P	5540.00	0.79	0.0000
75	As	85.00	P	5.51	6.48	0.0000
78	Se	211.89	P	9.31	4.39	0.0000
78	Se	8.33	P	2.08	24.98	0.0000
88	Sr	274.46	P	32.38	11.80	0.0000
88	Sr	8262.68	P	150.50	1.82	0.0000
95	Mo	1886.87	P	45.83	2.43	0.0000
106	(Cd)	160.01	P	17.32	10.83	0.0000
107	Ag	2154.69	P	67.53	3.13	0.0000
108	(Cd)	160.01	P	35.12	21.95	0.0000
111	Cd	832.30	P	70.91	8.52	0.0000
115	In	3761762.00	A	53940.00	1.43	0.0000
118	Sn	4906.42	P	180.70	3.68	0.0000
121	Sb	3660.61	P	114.70	3.13	0.0000
137	Ba	1322.34	P	41.95	3.17	0.0000
159	Tb	3820133.00	A	35600.00	0.93	0.0000
165	Ho	3696558.00	A	19990.00	0.54	0.0000
205	Tl	4344.20	P	76.69	1.77	0.0000
206	(Pb)	2941.54	P	92.66	3.15	0.0000
207	(Pb)	2484.77	P	118.40	4.77	0.0000
208	Pb	11535.73	P	170.30	1.48	0.0000

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5494261.00	1.29	5418296.00	101.4	70 -	120	
45	Sc	3410215.50	0.35	3348937.80	101.8	70 -	120	
45	Sc	98943.22	6.22	98302.68	100.7	70 -	120	
45	Sc	4394164.50	1.96	4430331.00	99.2	70 -	120	
72	Ge	678318.81	0.74	674953.19	100.5	70 -	120	
72	Ge	46820.96	4.67	46572.09	100.5	70 -	120	
72	Ge	704621.38	0.79	720169.00	97.8	70 -	120	
115	In	3761761.50	1.43	3815386.50	98.6	70 -	120	
159	Tb	3820133.50	0.93	3825153.30	99.9	70 -	120	
165	Ho	3696558.30	0.54	3722287.30	99.3	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\006CALS.D\006CALS.D#
Date Acquired: Jan 26 2011 09:11 am
Operator: SDM
Sample Name: 110124 Standard 2
Misc Info:
Vial Number: 1104
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:09 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)	Cal Coef
6	Li	5494850.00	A	54990.00	1.00	0.0000
7	(Li)	916141.31	A	10060.00	1.10	1.0000
9	Be	19488.66	P	319.50	1.64	1.0000
11	B	38801.29	P	1200.00	3.09	1.0000
23	Na	60354.86	P	214.00	0.35	-1.0000
24	Mg	25298.72	P	539.90	2.13	1.0000
27	Al	3253.81	P	134.30	4.13	1.0000
39	K	18680.17	P	160.20	0.86	1.0000
44	Ca	878.68	P	85.32	9.71	1.0000
45	Sc	3403160.00	A	37180.00	1.09	0.0000
45	Sc	97699.40	P	1036.00	1.06	0.0000
45	Sc	4388999.00	A	12960.00	0.30	0.0000
47	Ti	99.11	P	10.78	10.88	1.0000
51	V	3816.10	P	31.35	0.82	1.0000
52	Cr	4699.48	P	24.70	0.53	1.0000
55	Mn	2113.96	P	49.47	2.34	-1.0000
56	Fe	72066.48	P	623.00	0.86	1.0000
59	Co	8138.81	P	64.84	0.80	1.0000
60	Ni	3221.73	P	51.36	1.59	1.0000
63	Cu	7206.32	P	173.70	2.41	-1.0000
65	Cu	3500.91	P	82.22	2.35	-1.0000
66	Zn	2602.49	P	85.44	3.28	1.0000
72	Ge	681036.00	P	2070.00	0.30	0.0000
72	Ge	46497.04	P	255.30	0.55	0.0000
72	Ge	706822.50	P	1679.00	0.24	0.0000
75	As	375.45	P	16.00	4.26	1.0000
78	Se	1001.59	P	17.27	1.72	1.0000
78	Se	26.56	P	1.35	5.07	1.0000
88	Sr	1351.23	P	91.80	6.79	1.0000
88	Sr	43655.28	P	785.90	1.80	1.0000
95	Mo	7567.82	P	217.40	2.87	1.0000
106	(Cd)	465.58	P	37.47	8.05	1.0000
107	Ag	9850.45	P	277.10	2.81	1.0000
108	(Cd)	396.69	P	63.51	16.01	1.0000
111	Cd	4126.63	P	124.60	3.02	1.0000
115	In	3744746.00	A	45130.00	1.21	0.0000
118	Sn	12858.57	P	381.00	2.96	1.0000
121	Sb	13037.59	P	248.80	1.91	1.0000
137	Ba	4889.93	P	136.90	2.80	1.0000
159	Tb	3759325.00	A	56420.00	1.50	0.0000
165	Ho	3652084.00	A	27410.00	0.75	0.0000
205	Tl	20977.19	P	470.10	2.24	1.0000
206	(Pb)	8505.25	P	178.10	2.09	1.0000
207	(Pb)	7485.71	P	23.37	0.31	-1.0000
208	Pb	33938.20	P	410.70	1.21	1.0000

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5494850.00	1.00	5418296.00	101.4	70 -	120	
45	Sc	3403160.50	1.09	3348937.80	101.6	70 -	120	
45	Sc	97699.40	1.06	98302.68	99.4	70 -	120	
45	Sc	4388999.50	0.30	4430331.00	99.1	70 -	120	
72	Ge	681036.00	0.30	674953.19	100.9	70 -	120	
72	Ge	46497.04	0.55	46572.09	99.8	70 -	120	
72	Ge	706822.50	0.24	720169.00	98.1	70 -	120	
115	In	3744746.00	1.21	3815386.50	98.1	70 -	120	
159	Tb	3759325.50	1.50	3825153.30	98.3	70 -	120	
165	Ho	3652084.00	0.75	3722287.30	98.1	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\007CALS.D\007CALS.D#
Date Acquired: Jan 26 2011 09:17 am
Operator: SDM
Sample Name: 110124 Standard 3
Misc Info:
Vial Number: 1105
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:15 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element		CPS Mean		SD	RSD(%)	Cal Coef
6	Li	5564681.00	A	188700.00	3.39	0.0000
7	(Li)	930485.19	A	36130.00	3.88	0.5172
9	Be	909212.69	A	3562.00	0.39	0.9984
11	B	687646.63	A	12540.00	1.82	0.9997
23	Na	1365902.00	A	10370.00	0.76	0.9847
24	Mg	1200050.00	A	1724.00	0.14	0.9994
27	Al	145668.91	P	820.00	0.56	0.9997
39	K	279378.00	P	4712.00	1.69	0.9913
44	Ca	33671.93	P	388.30	1.15	0.9527
45	Sc	3436484.00	A	40930.00	1.19	0.0000
45	Sc	98276.12	P	784.90	0.80	0.0000
45	Sc	4522704.00	A	204300.00	4.52	0.0000
47	Ti	4592.78	P	150.30	3.27	1.0000
51	V	161266.30	P	1349.00	0.84	0.9987
52	Cr	210033.70	P	1571.00	0.75	0.9996
55	Mn	91673.12	P	1657.00	1.81	0.9928
56	Fe	3309137.00	A	32640.00	0.99	0.9994
59	Co	351074.09	P	2720.00	0.77	0.9980
60	Ni	100843.60	P	508.40	0.50	0.9626
63	Cu	269925.00	P	2744.00	1.02	0.6207
65	Cu	131097.41	P	1149.00	0.88	0.6153
66	Zn	33503.19	P	382.30	1.14	0.4094
72	Ge	680031.88	P	3827.00	0.56	0.0000
72	Ge	46283.85	P	196.90	0.43	0.0000
72	Ge	723173.88	P	25520.00	3.53	0.0000
75	As	16026.20	P	253.60	1.58	0.9998
78	Se	44993.51	P	354.40	0.79	0.9999
78	Se	1012.15	P	16.58	1.64	0.9998
88	Sr	63083.51	P	1175.00	1.86	0.9993
88	Sr	2116700.00	A	10970.00	0.52	0.9996
95	Mo	334911.00	P	2925.00	0.87	1.0000
106	(Cd)	17712.79	P	313.50	1.77	0.9972
107	Ag	449060.19	P	1946.00	0.43	0.9998
108	(Cd)	13133.21	P	177.60	1.35	0.9868
111	Cd	187296.70	P	1257.00	0.67	0.9999
115	In	3832829.00	A	178600.00	4.66	0.0000
118	Sn	481523.00	P	1214.00	0.25	0.9909
121	Sb	525022.19	P	3396.00	0.65	0.9970
137	Ba	220691.00	P	758.40	0.34	0.9975
159	Tb	3958602.00	A	183700.00	4.64	0.0000
165	Ho	3823294.00	A	171900.00	4.50	0.0000
205	Tl	1022723.00	A	3504.00	0.34	0.9999
206	(Pb)	328350.69	P	2923.00	0.89	0.9970
207	(Pb)	291808.41	P	3024.00	1.04	0.9941
208	Pb	1316791.00	P	3502.00	0.27	0.9961

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5564681.00	3.39	5418296.00	102.7	70 -	120	
45	Sc	3436484.30	1.19	3348937.80	102.6	70 -	120	
45	Sc	98276.13	0.80	98302.68	100.0	70 -	120	
45	Sc	4522704.50	4.52	4430331.00	102.1	70 -	120	
72	Ge	680031.94	0.56	674953.19	100.8	70 -	120	
72	Ge	46283.85	0.43	46572.09	99.4	70 -	120	
72	Ge	723173.94	3.53	720169.00	100.4	70 -	120	
115	In	3832829.00	4.66	3815386.50	100.5	70 -	120	
159	Tb	3958602.30	4.64	3825153.30	103.5	70 -	120	
165	Ho	3823293.80	4.50	3722287.30	102.7	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\008CALS.D\008CALS.D#
Date Acquired: Jan 26 2011 09:23 am
Operator: SDM
Sample Name: 110124 Standard 4
Misc Info:
Vial Number: 1106
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:21 am
Sample Type: CalStd
Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean		SD	RSD(%)	Cal Coef
6 Li	5451473.00	A	30240.00	0.55	0.0000
7 (Li)	911869.69	A	5708.00	0.63	0.8647
9 Be	1776459.00	A	15460.00	0.87	1.0000
11 B	1330935.00	A	7684.00	0.58	1.0000
23 Na	2577287.00	A	57510.00	2.23	1.0000
24 Mg	2329943.00	A	29580.00	1.27	1.0000
27 Al	285567.91	P	4219.00	1.48	1.0000
39 K	531668.13	P	9565.00	1.80	1.0000
44 Ca	67165.37	P	973.30	1.45	1.0000
45 Sc	3427933.00	A	19590.00	0.57	0.0000
45 Sc	97573.61	P	1876.00	1.92	0.0000
45 Sc	4409348.00	A	47680.00	1.08	0.0000
47 Ti	8763.62	P	267.80	3.06	1.0000
51 V	315190.91	P	2716.00	0.86	1.0000
52 Cr	407380.00	P	1642.00	0.40	1.0000
55 Mn	178787.50	P	1540.00	0.86	1.0000
56 Fe	6426455.00	A	36110.00	0.56	1.0000
59 Co	687090.88	P	3633.00	0.53	1.0000
60 Ni	195395.91	P	1534.00	0.79	1.0000
63 Cu	520087.91	P	3549.00	0.68	0.9999
65 Cu	254378.80	P	3039.00	1.19	0.9999
66 Zn	63495.01	P	510.90	0.80	0.9990
72 Ge	679953.31	P	3048.00	0.45	0.0000
72 Ge	46389.42	P	207.70	0.45	0.0000
72 Ge	707561.31	P	1067.00	0.15	0.0000
75 As	31420.17	P	374.30	1.19	1.0000
78 Se	89375.27	P	617.10	0.69	1.0000
78 Se	2004.48	P	42.42	2.12	1.0000
88 Sr	124099.00	P	1634.00	1.32	1.0000
88 Sr	4067418.00	A	14120.00	0.35	1.0000
95 Mo	673994.13	P	3574.00	0.53	1.0000
106 (Cd)	34569.84	P	259.40	0.75	1.0000
107 Ag	877540.69	P	5280.00	0.60	1.0000
108 (Cd)	25275.72	P	324.50	1.28	1.0000
111 Cd	365438.41	P	3357.00	0.92	1.0000
115 In	3718233.00	A	4260.00	0.11	0.0000
118 Sn	998825.00	A	5045.00	0.51	1.0000
121 Sb	1144168.00	A	4918.00	0.43	1.0000
137 Ba	430319.00	P	525.50	0.12	1.0000
159 Tb	3860849.00	A	20560.00	0.53	0.0000
165 Ho	3758179.00	A	10370.00	0.28	0.0000
205 Tl	2036859.00	A	15830.00	0.78	1.0000
206 (Pb)	642891.63	P	1106.00	0.17	1.0000
207 (Pb)	569736.31	P	3229.00	0.57	1.0000
208 Pb	2631259.00	A	8109.00	0.31	1.0000

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	5451472.50	0.55	5418296.00	100.6	70 -	120	
45 Sc	3427933.30	0.57	3348937.80	102.4	70 -	120	
45 Sc	97573.61	1.92	98302.68	99.3	70 -	120	
45 Sc	4409347.50	1.08	4430331.00	99.5	70 -	120	
72 Ge	679953.31	0.45	674953.19	100.7	70 -	120	
72 Ge	46389.42	0.45	46572.09	99.6	70 -	120	
72 Ge	707561.31	0.15	720169.00	98.2	70 -	120	
115 In	3718233.00	0.11	3815386.50	97.5	70 -	120	
159 Tb	3860849.30	0.53	3825153.30	100.9	70 -	120	
165 Ho	3758179.50	0.28	3722287.30	101.0	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\009_QCS.D\009_QCS.D#
Date Acquired:	Jan 26 2011 09:29 am
Operator:	SDM
Sample Name:	ICV 110124
Misc Info:	
Vial Number:	1107
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	98.47	ug/l	0.87	100.00	90 -	110	
11 B	99.44	ug/l	0.04	100.00	90 -	110	
23 Na	2421.00	ug/l	1.46	2500.00	90 -	110	
24 Mg	2440.00	ug/l	0.04	2500.00	90 -	110	
27 Al	2395.00	ug/l	0.84	2500.00	90 -	110	
39 K	2420.00	ug/l	0.67	2500.00	90 -	110	
44 Ca	2687.00	ug/l	1.20	2500.00	90 -	110	
47 Ti	94.91	ug/l	1.48	100.00	90 -	110	
51 V	97.27	ug/l	0.57	100.00	90 -	110	
52 Cr	98.41	ug/l	0.18	100.00	90 -	110	
55 Mn	98.33	ug/l	1.23	100.00	90 -	110	
56 Fe	2380.00	ug/l	1.58	2500.00	90 -	110	
59 Co	97.74	ug/l	0.93	100.00	90 -	110	
60 Ni	97.40	ug/l	0.25	100.00	90 -	110	
63 Cu	98.72	ug/l	0.05	100.00	90 -	110	
65 Cu	98.26	ug/l	0.32	100.00	90 -	110	
66 Zn	96.52	ug/l	0.73	100.00	90 -	110	
75 As	98.07	ug/l	0.56	100.00	90 -	110	
78 Se	98.11	ug/l	0.53	100.00	90 -	110	
78 Se	99.04	ug/l	1.20	100.00	90 -	110	
88 Sr	96.06	ug/l	0.55	100.00	90 -	110	
88 Sr	96.65	ug/l	0.35	100.00	90 -	110	
95 Mo	101.00	ug/l	1.59	100.00	90 -	110	
106 (Cd)	--------	ug/l	--------	100.00	90 -	110	
107 Ag	48.88	ug/l	1.28	50.00	90 -	110	
108 (Cd)	--------	ug/l	--------	100.00	90 -	110	
111 Cd	97.84	ug/l	0.45	100.00	90 -	110	
118 Sn	46.09	ug/l	3.97	50.00	90 -	110	
121 Sb	108.70	ug/l	0.41	100.00	90 -	110	
137 Ba	97.98	ug/l	1.08	100.00	90 -	110	
205 Tl	99.52	ug/l	0.97	100.00	90 -	110	
206 (Pb)	--------	ug/l	--------	100.00	90 -	110	
207 (Pb)	--------	ug/l	--------	100.00	90 -	110	
208 Pb	100.70	ug/l	1.15	100.00	90 -	110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	5383802.00	0.86	5418296.00	99.4	70 -	120	
45 Sc	3398768.80	0.21	3348937.80	101.5	70 -	120	
45 Sc	98004.48	1.14	98302.68	99.7	70 -	120	
45 Sc	4381922.50	0.29	4430331.00	98.9	70 -	120	
72 Ge	679044.81	0.39	674953.19	100.6	70 -	120	
72 Ge	46123.31	0.86	46572.09	99.0	70 -	120	
72 Ge	704235.94	0.64	720169.00	97.8	70 -	120	
115 In	3739713.50	1.29	3815386.50	98.0	70 -	120	
159 Tb	3811996.50	1.01	3825153.30	99.7	70 -	120	
165 Ho	3706047.80	1.24	3722287.30	99.6	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\011_CCB.D\011_CCB.D#
Date Acquired:	Jan 26 2011 09:41 am
Operator:	SDM
Sample Name:	ICB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	#VALUE!	
9 Be	-0.13 ug/l	2.16	0.12	
11 B	-0.37 ug/l	4.89	15.00	
23 Na	21.29 ug/l	5.42	77.10	
24 Mg	-0.17 ug/l	90.25	7.50	
27 Al	-0.88 ug/l	15.13	3.96	
39 K	7.54 ug/l	11.81	19.20	
44 Ca	-0.20 ug/l	723.30	90.00	
47 Ti	-0.02 ug/l	129.88	0.78	
51 V	-0.03 ug/l	17.68	0.21	
52 Cr	-0.01 ug/l	92.09	0.12	
55 Mn	1.71 ug/l	18.68	0.18	Fail
56 Fe	-0.41 ug/l	4.77	40.80	
59 Co	-0.14 ug/l	2.00	0.09	
60 Ni	0.04 ug/l	27.50	0.48	
63 Cu	-1.00 ug/l	0.44	0.39	
65 Cu	-1.01 ug/l	0.86	0.39	
66 Zn	-0.58 ug/l	1.27	6.90	
75 As	0.03 ug/l	63.45	0.27	
78 Se	0.08 ug/l	18.22	0.30	
78 Se	0.20 ug/l	12.37	0.30	
88 Sr	0.01 ug/l	171.36	0.03	
88 Sr	0.00 ug/l	38.33	0.03	
95 Mo	0.17 ug/l	10.42	0.21	
106 (Cd)	-------- ug/l	--------	#VALUE!	
107 Ag	0.00 ug/l	28.26	0.09	
108 (Cd)	-------- ug/l	--------	#VALUE!	
111 Cd	0.02 ug/l	28.28	0.06	
118 Sn	-0.16 ug/l	3.26	0.30	
121 Sb	0.04 ug/l	3.86	0.03	Fail
137 Ba	0.00 ug/l	1938.50	0.12	
205 Tl	0.00 ug/l	281.23	0.03	
206 (Pb)	-------- ug/l	--------	#VALUE!	
207 (Pb)	-------- ug/l	--------	#VALUE!	
208 Pb	-0.21 ug/l	3.95	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5182558.50	0.79	5418296.00	95.6	70 - 120	
45 Sc	3310673.80	0.18	3348937.80	98.9	70 - 120	
45 Sc	101289.51	0.71	98302.68	103.0	70 - 120	
45 Sc	4442756.00	0.82	4430331.00	100.3	70 - 120	
72 Ge	674294.00	0.91	674953.19	99.9	70 - 120	
72 Ge	48068.83	0.13	46572.09	103.2	70 - 120	
72 Ge	724677.25	0.82	720169.00	100.6	70 - 120	
115 In	3823979.50	0.85	3815386.50	100.2	70 - 120	
159 Tb	3860999.00	0.38	3825153.30	100.9	70 - 120	
165 Ho	3731078.00	0.20	3722287.30	100.2	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

2 :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\11A26i00.B\013_CCV.D\013_CCV.D#
Date Acquired:	Jan 26 2011 09:53 am
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	50.16	ug/l	1.20	50.00	90 -	110	
11 B	50.69	ug/l	0.78	50.00	90 -	110	
23 Na	1261.00	ug/l	1.17	1250.00	90 -	110	
24 Mg	2521.00	ug/l	1.33	2500.00	90 -	110	
27 Al	1009.00	ug/l	0.26	1000.00	90 -	110	
39 K	1007.00	ug/l	0.60	1000.00	90 -	110	
44 Ca	2532.00	ug/l	1.25	2500.00	90 -	110	
47 Ti	49.98	ug/l	0.22	50.00	90 -	110	
51 V	49.35	ug/l	1.14	50.00	90 -	110	
52 Cr	49.87	ug/l	0.87	50.00	90 -	110	
55 Mn	50.24	ug/l	1.17	50.00	90 -	110	
56 Fe	1000.00	ug/l	0.98	1000.00	90 -	110	
59 Co	49.54	ug/l	1.01	50.00	90 -	110	
60 Ni	49.95	ug/l	1.53	50.00	90 -	110	
63 Cu	50.36	ug/l	0.48	50.00	90 -	110	
65 Cu	50.09	ug/l	0.81	50.00	90 -	110	
66 Zn	51.42	ug/l	1.51	50.00	90 -	110	
75 As	50.36	ug/l	0.42	50.00	90 -	110	
78 Se	49.58	ug/l	0.25	50.00	90 -	110	
78 Se	50.70	ug/l	1.31	50.00	90 -	110	
88 Sr	51.22	ug/l	0.92	50.00	90 -	110	
88 Sr	51.12	ug/l	0.78	50.00	90 -	110	
95 Mo	50.14	ug/l	0.45	50.00	90 -	110	
106 (Cd)	--------	ug/l	--------	50.00	90 -	110	
107 Ag	24.91	ug/l	0.93	25.00	90 -	110	
108 (Cd)	--------	ug/l	--------	50.00	90 -	110	
111 Cd	49.83	ug/l	0.53	50.00	90 -	110	
118 Sn	48.19	ug/l	0.73	50.00	90 -	110	
121 Sb	46.44	ug/l	0.53	50.00	90 -	110	
137 Ba	50.30	ug/l	0.58	50.00	90 -	110	
205 Tl	50.30	ug/l	2.23	50.00	90 -	110	
206 (Pb)	--------	ug/l	--------	50.00	90 -	110	
207 (Pb)	--------	ug/l	--------	50.00	90 -	110	
208 Pb	49.88	ug/l	0.35	50.00	90 -	110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6 Li	5480342.00	0.39	5418296.00	101.1	70 -	120	
45 Sc	3404801.30	0.66	3348937.80	101.7	70 -	120	
45 Sc	99615.04	1.33	98302.68	101.3	70 -	120	
45 Sc	4419527.50	1.04	4430331.00	99.8	70 -	120	
72 Ge	679799.13	0.52	674953.19	100.7	70 -	120	
72 Ge	46527.58	0.39	46572.09	99.9	70 -	120	
72 Ge	705020.44	0.80	720169.00	97.9	70 -	120	
115 In	3773311.30	0.18	3815386.50	98.9	70 -	120	
159 Tb	3856159.00	0.84	3825153.30	100.8	70 -	120	
165 Ho	3723079.80	0.47	3722287.30	100.0	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\015_CCB.D\015_CCB.D#
Date Acquired:	Jan 26 2011 10:05 am
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	#VALUE!	
9 Be	-0.14 ug/l	2.46	0.12	
11 B	-0.34 ug/l	7.19	15.00	
23 Na	11.83 ug/l	3.38	77.10	
24 Mg	-0.24 ug/l	36.40	7.50	
27 Al	-0.76 ug/l	17.85	3.96	
39 K	-0.70 ug/l	156.09	19.20	
44 Ca	-1.93 ug/l	137.40	90.00	
47 Ti	-0.03 ug/l	85.08	0.78	
51 V	-0.03 ug/l	4.68	0.21	
52 Cr	-0.01 ug/l	48.16	0.12	
55 Mn	-0.14 ug/l	3.43	0.18	
56 Fe	-0.44 ug/l	1.76	40.80	
59 Co	-0.15 ug/l	5.71	0.09	
60 Ni	-0.01 ug/l	18.78	0.48	
63 Cu	-1.01 ug/l	0.50	0.39	
65 Cu	-1.01 ug/l	0.58	0.39	
66 Zn	-0.89 ug/l	3.75	6.90	
75 As	-0.01 ug/l	46.73	0.27	
78 Se	0.04 ug/l	35.48	0.30	
78 Se	0.11 ug/l	40.66	0.30	
88 Sr	0.00 ug/l	514.49	0.03	
88 Sr	0.00 ug/l	1438.50	0.03	
95 Mo	0.07 ug/l	11.85	0.21	
106 (Cd)	-------- ug/l	--------	#VALUE!	
107 Ag	0.00 ug/l	271.96	0.09	
108 (Cd)	-------- ug/l	--------	#VALUE!	
111 Cd	0.00 ug/l	784.71	0.06	
118 Sn	-0.15 ug/l	1.99	0.30	
121 Sb	0.09 ug/l	1.76	0.03	Fail
137 Ba	-0.02 ug/l	50.78	0.12	
205 Tl	-0.01 ug/l	46.95	0.03	
206 (Pb)	-------- ug/l	--------	#VALUE!	
207 (Pb)	-------- ug/l	--------	#VALUE!	
208 Pb	-0.25 ug/l	1.14	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5028828.00	1.07	5418296.00	92.8	70 - 120	
45 Sc	3251785.80	0.99	3348937.80	97.1	70 - 120	
45 Sc	100643.50	1.07	98302.68	102.4	70 - 120	
45 Sc	4351781.00	0.43	4430331.00	98.2	70 - 120	
72 Ge	661360.00	0.17	674953.19	98.0	70 - 120	
72 Ge	47595.45	1.22	46572.09	102.2	70 - 120	
72 Ge	714328.56	0.18	720169.00	99.2	70 - 120	
115 In	3773508.50	0.46	3815386.50	98.9	70 - 120	
159 Tb	3789603.00	1.19	3825153.30	99.1	70 - 120	
165 Ho	3641332.30	0.42	3722287.30	97.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\016SMPL.D\016SMPL.D#
Date Acquired: Jan 26 2011 10:11 am
Operator: SDM
Sample Name: ICSA 110124
Misc Info:
Vial Number: 2102
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:27 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	1.76 ug/l	1.76	2.03	1000	
11 B	0.97 ug/l	0.97	5.99	1000	
23 Na	89320.00 ug/l	89320.00	0.74	25000	>Cal
24 Mg	87550.00 ug/l	87550.00	1.01	50000	>Cal
27 Al	92500.00 ug/l	92500.00	0.36	20000	>Cal
39 K	92290.00 ug/l	92290.00	0.96	20000	>Cal
44 Ca	88430.00 ug/l	88430.00	0.99	50000	>Cal
47 Ti	1871.00 ug/l	1871.00	0.30	1000	>Cal
51 V	2.59 ug/l	2.59	2.30	1000	
52 Cr	3.04 ug/l	3.04	1.63	1000	
55 Mn	10.63 ug/l	10.63	0.51	1000	
56 Fe	85550.00 ug/l	85550.00	0.28	20000	>Cal
59 Co	3.49 ug/l	3.49	0.87	1000	
60 Ni	4.62 ug/l	4.62	1.73	1000	
63 Cu	2.03 ug/l	2.03	1.48	1000	
65 Cu	2.02 ug/l	2.02	1.90	1000	
66 Zn	28.24 ug/l	28.24	1.28	1000	
75 As	1.98 ug/l	1.98	0.56	1000	
78 Se	1.69 ug/l	1.69	9.85	1000	
78 Se	1.80 ug/l	1.80	7.96	1000	
88 Sr	4.24 ug/l	4.24	0.36	1000	
88 Sr	4.10 ug/l	4.10	0.57	1000	
95 Mo	1903.00 ug/l	1903.00	0.54	1000	>Cal
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	0.64 ug/l	0.64	1.29	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	2.94 ug/l	2.94	3.58	1000	
118 Sn	0.97 ug/l	0.97	6.41	1000	
121 Sb	2.82 ug/l	2.82	0.76	1000	
137 Ba	5.77 ug/l	5.77	1.48	1000	
205 Tl	1.96 ug/l	1.96	1.31	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	2.58 ug/l	2.58	2.26	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	4678277.00	0.95	5418296.00	86.3	70 - 120	
45 Sc	3569488.00	12.06	3348937.80	106.6	70 - 120	
45 Sc	88241.84	1.04	98302.68	89.8	70 - 120	
45 Sc	3941266.50	0.57	4430331.00	89.0	70 - 120	
72 Ge	665255.44	9.16	674953.19	98.6	70 - 120	
72 Ge	40791.84	1.32	46572.09	87.6	70 - 120	
72 Ge	643442.38	0.49	720169.00	89.3	70 - 120	
115 In	3222635.80	1.11	3815386.50	84.5	70 - 120	
159 Tb	3555006.30	0.41	3825153.30	92.9	70 - 120	
165 Ho	3483227.00	0.67	3722287.30	93.6	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\017ICSB.D\017ICSB.D#		
Date Acquired:	Jan 26 2011 10:17 am		
Acq. Method:	62A0126.M	**Data Results:**	
Operator:	SDM	Analytes:	Fail
Sample Name:	ICSAB 110124	ISTD:	Pass
Misc Info:			
Vial Number:	2103		
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M		
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C		
Last Cal. Update:	Jan 26 2011 09:27 am		
Sample Type:	ICSAB		
Dilution Factor:	1.00		

QC Elements

Element		IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
7	(Li)	---	3	--------	--------	---		-	
9	Be	45	3	216.00	1.76	250	86.4	80 - 120	
11	B	45	3	1.21	2.65	---		-	
23	Na	45	2	90780.00	0.14	---		-	
24	Mg	45	2	88680.00	1.24	---		-	
27	Al	45	2	93220.00	0.43	---		-	
39	K	45	2	93140.00	0.51	---		-	
44	Ca	45	2	90030.00	0.33	---		-	
47	Ti	45	2	1913.00	0.36	2000	95.7	80 - 120	
51	V	45	2	241.70	0.24	250	96.7	80 - 120	
52	Cr	45	2	236.90	0.93	250	94.8	80 - 120	
55	Mn	45	2	240.60	0.72	250	96.2	80 - 120	
56	Fe	45	2	87170.00	0.28	---		-	
59	Co	45	2	231.40	0.42	250	92.6	80 - 120	
60	Ni	45	2	416.40	0.16	500	83.3	80 - 120	
63	Cu	72	2	222.30	1.47	250	88.9	80 - 120	
65	Cu	72	2	215.50	1.21	250	86.2	80 - 120	
66	Zn	72	2	394.40	0.71	500	78.9	80 - 120	Fail
75	As	72	2	234.50	0.80	250	93.8	80 - 120	
78	Se	72	1	220.90	0.42	250	88.4	80 - 120	
78	Se	72	2	219.40	1.28	250	87.8	80 - 120	
88	Sr	72	2	4.69	4.50	---		-	
88	Sr	72	3	4.55	0.90	---		-	
95	Mo	72	3	2166.00	0.51	2000	108.3	80 - 120	
106	(Cd)	---	3	--------	--------	---		-	
107	Ag	115	3	403.40	6.43	500	80.7	80 - 120	
108	(Cd)	---	3	--------	--------	---		-	
111	Cd	115	3	465.40	0.45	500	93.1	80 - 120	
118	Sn	115	3	1.30	2.85	---		-	
121	Sb	115	3	259.50	0.91	250	103.8	80 - 120	
137	Ba	115	3	270.90	0.83	250	108.4	80 - 120	
205	Tl	159	3	228.20	0.70	250	91.3	80 - 120	
206	(Pb)	---	3	--------	--------	---		-	
207	(Pb)	---	3	--------	--------	---		-	
208	Pb	159	3	450.30	0.93	500	90.1	80 - 120	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	3	4591274	0.83	5418296	84.7	70 - 120	
45	Sc	1	3090549	0.94	3348938	92.3	70 - 120	
45	Sc	2	85469	0.95	98303	86.9	70 - 120	
45	Sc	3	3910875	2.04	4430331	88.3	70 - 120	
72	Ge	1	594615	0.78	674953	88.1	70 - 120	
72	Ge	2	39730	1.59	46572	85.3	70 - 120	
72	Ge	3	636332	0.63	720169	88.4	70 - 120	
115	In	3	3156241	1.52	3815387	82.7	70 - 120	
159	Tb	3	3512780	1.23	3825153	91.8	70 - 120	
165	Ho	3	3429495	1.30	3722287	92.1	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\11A26i00.B\004CALB.D\004CALB.D#

1 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\11A26i00.B\018SMPL.D\018SMPL.D#
Date Acquired: Jan 26 2011 10:23 am
Operator: SDM
Sample Name: LDR 110124
Misc Info:
Vial Number: 2101
Current Method: C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File: C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update: Jan 26 2011 09:27 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	879.40 ug/l	879.40	0.17	1000	
11 B	886.90 ug/l	886.90	1.05	1000	
23 Na	23230.00 ug/l	23230.00	0.07	25000	
24 Mg	45530.00 ug/l	45530.00	0.57	50000	
27 Al	19430.00 ug/l	19430.00	0.85	20000	
39 K	19170.00 ug/l	19170.00	1.25	20000	
44 Ca	47160.00 ug/l	47160.00	0.93	50000	
47 Ti	969.80 ug/l	969.80	0.50	1000	
51 V	996.60 ug/l	996.60	0.40	1000	
52 Cr	963.60 ug/l	963.60	0.86	1000	
55 Mn	984.70 ug/l	984.70	1.18	1000	
56 Fe	18430.00 ug/l	18430.00	0.39	20000	
59 Co	946.50 ug/l	946.50	0.32	1000	
60 Ni	936.40 ug/l	936.40	0.50	1000	
63 Cu	898.40 ug/l	898.40	0.95	1000	
65 Cu	909.80 ug/l	909.80	1.51	1000	
66 Zn	832.70 ug/l	832.70	1.14	1000	
75 As	947.80 ug/l	947.80	0.26	1000	
78 Se	915.50 ug/l	915.50	0.72	1000	
78 Se	894.20 ug/l	894.20	0.09	1000	
88 Sr	1011.00 ug/l	1011.00	0.91	1000	>Cal
88 Sr	965.80 ug/l	965.80	0.94	1000	
95 Mo	1009.00 ug/l	1009.00	0.55	1000	>Cal
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	421.90 ug/l	421.90	1.48	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	956.00 ug/l	956.00	1.41	1000	
118 Sn	955.50 ug/l	955.50	0.39	1000	
121 Sb	987.80 ug/l	987.80	0.53	1000	
137 Ba	1018.00 ug/l	1018.00	0.07	1000	>Cal
205 Tl	907.70 ug/l	907.70	1.15	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	926.30 ug/l	926.30	1.50	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	4778866.00	1.30	5418296.00	88.2	70 - 120	
45 Sc	3103544.30	0.28	3348937.80	92.7	70 - 120	
45 Sc	86572.36	0.71	98302.68	88.1	70 - 120	
45 Sc	4006536.30	0.72	4430331.00	90.4	70 - 120	
72 Ge	615478.13	0.41	674953.19	91.2	70 - 120	
72 Ge	41753.43	1.34	46572.09	89.7	70 - 120	
72 Ge	647552.00	0.80	720169.00	89.9	70 - 120	
115 In	3414278.80	0.18	3815386.50	89.5	70 - 120	
159 Tb	3697580.30	0.54	3825153.30	96.7	70 - 120	
165 Ho	3595818.30	0.68	3722287.30	96.6	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

3 :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\11A26i00.B\020_CCV.D\020_CCV.D#
Date Acquired:	Jan 26 2011 10:34 am
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	52.31 ug/l	6.87	50.00	90 - 110	
11 B	53.94 ug/l	6.10	50.00	90 - 110	
23 Na	1257.00 ug/l	0.30	1250.00	90 - 110	
24 Mg	2533.00 ug/l	0.43	2500.00	90 - 110	
27 Al	988.30 ug/l	0.78	1000.00	90 - 110	
39 K	1005.00 ug/l	1.12	1000.00	90 - 110	
44 Ca	2500.00 ug/l	1.28	2500.00	90 - 110	
47 Ti	49.84 ug/l	1.84	50.00	90 - 110	
51 V	50.96 ug/l	1.37	50.00	90 - 110	
52 Cr	50.64 ug/l	0.58	50.00	90 - 110	
55 Mn	50.54 ug/l	0.96	50.00	90 - 110	
56 Fe	1030.00 ug/l	0.48	1000.00	90 - 110	
59 Co	51.19 ug/l	0.32	50.00	90 - 110	
60 Ni	51.06 ug/l	1.05	50.00	90 - 110	
63 Cu	48.45 ug/l	1.23	50.00	90 - 110	
65 Cu	48.49 ug/l	0.40	50.00	90 - 110	
66 Zn	49.92 ug/l	1.31	50.00	90 - 110	
75 As	50.19 ug/l	0.87	50.00	90 - 110	
78 Se	50.66 ug/l	0.04	50.00	90 - 110	
78 Se	50.18 ug/l	1.76	50.00	90 - 110	
88 Sr	49.83 ug/l	1.26	50.00	90 - 110	
88 Sr	54.13 ug/l	4.47	50.00	90 - 110	
95 Mo	54.77 ug/l	4.47	50.00	90 - 110	
106 (Cd)	-------- ug/l	--------	50.00	90 - 110	
107 Ag	26.00 ug/l	4.22	25.00	90 - 110	
108 (Cd)	-------- ug/l	--------	50.00	90 - 110	
111 Cd	52.74 ug/l	4.12	50.00	90 - 110	
118 Sn	52.45 ug/l	5.53	50.00	90 - 110	
121 Sb	53.58 ug/l	4.51	50.00	90 - 110	
137 Ba	53.50 ug/l	4.97	50.00	90 - 110	
205 Tl	53.62 ug/l	6.46	50.00	90 - 110	
206 (Pb)	-------- ug/l	--------	50.00	90 - 110	
207 (Pb)	-------- ug/l	--------	50.00	90 - 110	
208 Pb	52.51 ug/l	5.59	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	4966975.50	4.22	5418296.00	91.7	70 - 120	
45 Sc	3309767.30	0.19	3348937.80	98.8	70 - 120	
45 Sc	92905.63	0.59	98302.68	94.5	70 - 120	
45 Sc	4020596.00	5.05	4430331.00	90.8	70 - 120	
72 Ge	668593.56	0.07	674953.19	99.1	70 - 120	
72 Ge	45889.99	0.83	46572.09	98.5	70 - 120	
72 Ge	669709.69	4.68	720169.00	93.0	70 - 120	
115 In	3619695.80	4.25	3815386.50	94.9	70 - 120	
159 Tb	3739613.00	5.04	3825153.30	97.8	70 - 120	
165 Ho	3639708.50	4.78	3722287.30	97.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\021_CCB.D\021_CCB.D#
Date Acquired:	Jan 26 2011 10:40 am
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	#VALUE!	
9 Be	-0.12 ug/l	1.41	0.12	
11 B	0.44 ug/l	19.02	15.00	
23 Na	-10.94 ug/l	6.65	77.10	
24 Mg	1.23 ug/l	21.27	7.50	
27 Al	0.05 ug/l	224.39	3.96	
39 K	0.20 ug/l	465.84	19.20	
44 Ca	2.02 ug/l	3.60	90.00	
47 Ti	0.04 ug/l	169.47	0.78	
51 V	-0.01 ug/l	47.27	0.21	
52 Cr	0.01 ug/l	46.12	0.12	
55 Mn	0.06 ug/l	15.80	0.18	
56 Fe	0.40 ug/l	9.24	40.80	
59 Co	-0.13 ug/l	2.69	0.09	
60 Ni	0.02 ug/l	46.51	0.48	
63 Cu	-0.99 ug/l	0.44	0.39	
65 Cu	-0.98 ug/l	1.15	0.39	
66 Zn	-0.92 ug/l	4.15	6.90	
75 As	0.10 ug/l	10.66	0.27	
78 Se	0.23 ug/l	12.68	0.30	
78 Se	0.36 ug/l	24.63	0.30	Fail
88 Sr	0.01 ug/l	328.74	0.03	
88 Sr	0.01 ug/l	35.30	0.03	
95 Mo	1.11 ug/l	1.40	0.21	Fail
106 (Cd)	-------- ug/l	--------	#VALUE!	
107 Ag	0.01 ug/l	14.30	0.09	
108 (Cd)	-------- ug/l	--------	#VALUE!	
111 Cd	0.02 ug/l	23.63	0.06	
118 Sn	-0.13 ug/l	16.94	0.30	
121 Sb	0.55 ug/l	3.13	0.03	Fail
137 Ba	0.00 ug/l	600.07	0.12	
205 Tl	0.03 ug/l	9.35	0.03	
206 (Pb)	-------- ug/l	--------	#VALUE!	
207 (Pb)	-------- ug/l	--------	#VALUE!	
208 Pb	-0.24 ug/l	1.69	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5191996.00	0.89	5418296.00	95.8	70 - 120	
45 Sc	3304909.80	0.38	3348937.80	98.7	70 - 120	
45 Sc	95901.25	0.62	98302.68	97.6	70 - 120	
45 Sc	4268188.00	0.45	4430331.00	96.3	70 - 120	
72 Ge	680897.94	0.03	674953.19	100.9	70 - 120	
72 Ge	47332.34	0.39	46572.09	101.6	70 - 120	
72 Ge	714081.25	0.22	720169.00	99.2	70 - 120	
115 In	3892968.50	0.65	3815386.50	102.0	70 - 120	
159 Tb	3923466.30	0.43	3825153.30	102.6	70 - 120	
165 Ho	3786953.30	1.19	3722287.30	101.7	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

3 :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\11A26i00.B\033_CCV.D\033_CCV.D#
Date Acquired:	Jan 26 2011 11:51 am
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	49.48 ug/l	0.82	50.00	90 - 110	
11 B	49.92 ug/l	0.56	50.00	90 - 110	
23 Na	1264.00 ug/l	0.22	1250.00	90 - 110	
24 Mg	2531.00 ug/l	0.47	2500.00	90 - 110	
27 Al	1005.00 ug/l	1.02	1000.00	90 - 110	
39 K	1011.00 ug/l	1.35	1000.00	90 - 110	
44 Ca	2537.00 ug/l	2.26	2500.00	90 - 110	
47 Ti	48.98 ug/l	2.26	50.00	90 - 110	
51 V	49.28 ug/l	0.34	50.00	90 - 110	
52 Cr	48.83 ug/l	0.22	50.00	90 - 110	
55 Mn	49.82 ug/l	0.43	50.00	90 - 110	
56 Fe	986.60 ug/l	0.70	1000.00	90 - 110	
59 Co	49.14 ug/l	0.32	50.00	90 - 110	
60 Ni	48.94 ug/l	0.06	50.00	90 - 110	
63 Cu	48.56 ug/l	0.62	50.00	90 - 110	
65 Cu	48.43 ug/l	0.71	50.00	90 - 110	
66 Zn	50.11 ug/l	0.54	50.00	90 - 110	
75 As	49.91 ug/l	0.45	50.00	90 - 110	
78 Se	49.56 ug/l	0.50	50.00	90 - 110	
78 Se	50.99 ug/l	1.30	50.00	90 - 110	
88 Sr	50.75 ug/l	0.62	50.00	90 - 110	
88 Sr	51.99 ug/l	1.66	50.00	90 - 110	
95 Mo	49.21 ug/l	0.49	50.00	90 - 110	
106 (Cd)	-------- ug/l	--------	50.00	90 - 110	
107 Ag	24.84 ug/l	0.91	25.00	90 - 110	
108 (Cd)	-------- ug/l	--------	50.00	90 - 110	
111 Cd	49.96 ug/l	0.91	50.00	90 - 110	
118 Sn	48.40 ug/l	0.99	50.00	90 - 110	
121 Sb	47.32 ug/l	1.49	50.00	90 - 110	
137 Ba	50.97 ug/l	1.17	50.00	90 - 110	
205 Tl	50.79 ug/l	1.27	50.00	90 - 110	
206 (Pb)	-------- ug/l	--------	50.00	90 - 110	
207 (Pb)	-------- ug/l	--------	50.00	90 - 110	
208 Pb	49.64 ug/l	0.32	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5497995.00	0.62	5418296.00	101.5	70 - 120	
45 Sc	3449898.80	0.89	3348937.80	103.0	70 - 120	
45 Sc	101751.84	0.69	98302.68	103.5	70 - 120	
45 Sc	4454165.00	1.36	4430331.00	100.5	70 - 120	
72 Ge	687203.63	0.78	674953.19	101.8	70 - 120	
72 Ge	48149.48	0.77	46572.09	103.4	70 - 120	
72 Ge	731960.38	1.04	720169.00	101.6	70 - 120	
115 In	3882126.00	0.36	3815386.50	101.7	70 - 120	
159 Tb	3970755.50	0.06	3825153.30	103.8	70 - 120	
165 Ho	3870891.30	0.41	3722287.30	104.0	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\034_CCB.D\034_CCB.D#
Date Acquired:	Jan 26 2011 11:57 am
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element		Conc.		RSD(%)	High Limit	Flag
7	(Li)	--------	ug/l	--------	#VALUE!	
9	Be	-0.14	ug/l	1.09	0.12	
11	B	-0.44	ug/l	0.92	15.00	
23	Na	10.00	ug/l	6.07	77.10	
24	Mg	1.63	ug/l	4.90	7.50	
27	Al	-0.84	ug/l	12.40	3.96	
39	K	-0.50	ug/l	161.75	19.20	
44	Ca	18.51	ug/l	51.39	90.00	
47	Ti	0.00	ug/l	731.55	0.78	
51	V	-0.03	ug/l	11.20	0.21	
52	Cr	-0.01	ug/l	134.81	0.12	
55	Mn	0.51	ug/l	10.20	0.18	Fail
56	Fe	-0.36	ug/l	3.00	40.80	
59	Co	-0.15	ug/l	2.05	0.09	
60	Ni	0.00	ug/l	566.68	0.48	
63	Cu	-0.83	ug/l	1.19	0.39	
65	Cu	-0.81	ug/l	0.40	0.39	
66	Zn	-0.71	ug/l	4.47	6.90	
75	As	0.03	ug/l	28.30	0.27	
78	Se	0.16	ug/l	8.63	0.30	
78	Se	0.23	ug/l	12.46	0.30	
88	Sr	0.10	ug/l	5.91	0.03	
88	Sr	0.08	ug/l	2.80	0.03	
95	Mo	0.36	ug/l	5.71	0.21	Fail
106	(Cd)	--------	ug/l	--------	#VALUE!	
107	Ag	0.00	ug/l	186.92	0.09	
108	(Cd)	--------	ug/l	--------	#VALUE!	
111	Cd	0.01	ug/l	53.02	0.06	
118	Sn	-0.15	ug/l	4.84	0.30	
121	Sb	0.27	ug/l	3.98	0.03	Fail
137	Ba	0.00	ug/l	410.32	0.12	
205	Tl	0.07	ug/l	16.21	0.03	
206	(Pb)	--------	ug/l	--------	#VALUE!	
207	(Pb)	--------	ug/l	--------	#VALUE!	
208	Pb	-0.25	ug/l	1.41	0.33	

ISTD Elements

Element		CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)		Flag
6	Li	5623899.00	0.91	5418296.00	103.8	70 -	120	
45	Sc	3541440.30	0.94	3348937.80	105.7	70 -	120	
45	Sc	107304.60	0.73	98302.68	109.2	70 -	120	
45	Sc	4689433.00	1.20	4430331.00	105.8	70 -	120	
72	Ge	717140.13	0.51	674953.19	106.3	70 -	120	
72	Ge	51614.35	0.93	46572.09	110.8	70 -	120	
72	Ge	761472.38	0.72	720169.00	105.7	70 -	120	
115	In	4103837.00	1.18	3815386.50	107.6	70 -	120	
159	Tb	4053609.80	1.36	3825153.30	106.0	70 -	120	
165	Ho	3921203.00	1.47	3722287.30	105.3	70 -	120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

6 :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\11A26i00.B\046_CCV.D\046_CCV.D#
Date Acquired:	Jan 26 2011 01:07 pm
Operator:	SDM
Sample Name:	CCV 110124
Misc Info:	
Vial Number:	1105
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	47.86	ug/l	0.40	50.00	90 - 110	
11 B	48.41	ug/l	1.45	50.00	90 - 110	
23 Na	1236.00	ug/l	1.10	1250.00	90 - 110	
24 Mg	2510.00	ug/l	1.65	2500.00	90 - 110	
27 Al	1020.00	ug/l	0.57	1000.00	90 - 110	
39 K	1028.00	ug/l	0.71	1000.00	90 - 110	
44 Ca	2533.00	ug/l	2.24	2500.00	90 - 110	
47 Ti	49.85	ug/l	0.29	50.00	90 - 110	
51 V	48.96	ug/l	1.20	50.00	90 - 110	
52 Cr	48.28	ug/l	0.57	50.00	90 - 110	
55 Mn	50.07	ug/l	1.28	50.00	90 - 110	
56 Fe	988.60	ug/l	1.27	1000.00	90 - 110	
59 Co	48.41	ug/l	0.52	50.00	90 - 110	
60 Ni	48.39	ug/l	1.35	50.00	90 - 110	
63 Cu	47.47	ug/l	0.80	50.00	90 - 110	
65 Cu	47.62	ug/l	1.03	50.00	90 - 110	
66 Zn	49.91	ug/l	1.15	50.00	90 - 110	
75 As	49.77	ug/l	1.24	50.00	90 - 110	
78 Se	50.01	ug/l	0.56	50.00	90 - 110	
78 Se	50.52	ug/l	0.14	50.00	90 - 110	
88 Sr	51.86	ug/l	0.99	50.00	90 - 110	
88 Sr	52.49	ug/l	0.71	50.00	90 - 110	
95 Mo	50.47	ug/l	0.80	50.00	90 - 110	
106 (Cd)	--------	ug/l	--------	50.00	90 - 110	
107 Ag	24.54	ug/l	1.12	25.00	90 - 110	
108 (Cd)	--------	ug/l	--------	50.00	90 - 110	
111 Cd	49.61	ug/l	0.77	50.00	90 - 110	
118 Sn	48.17	ug/l	1.03	50.00	90 - 110	
121 Sb	48.43	ug/l	2.17	50.00	90 - 110	
137 Ba	50.13	ug/l	2.46	50.00	90 - 110	
205 Tl	49.88	ug/l	2.15	50.00	90 - 110	
206 (Pb)	--------	ug/l	--------	50.00	90 - 110	
207 (Pb)	--------	ug/l	--------	50.00	90 - 110	
208 Pb	48.96	ug/l	1.46	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5126542.00	0.62	5418296.00	94.6	70 - 120	
45 Sc	3220963.30	0.49	3348937.80	96.2	70 - 120	
45 Sc	98290.84	1.54	98302.68	100.0	70 - 120	
45 Sc	4329703.50	0.57	4430331.00	97.7	70 - 120	
72 Ge	650024.63	0.36	674953.19	96.3	70 - 120	
72 Ge	46864.54	1.16	46572.09	100.6	70 - 120	
72 Ge	706323.50	1.22	720169.00	98.1	70 - 120	
115 In	3861918.30	1.06	3815386.50	101.2	70 - 120	
159 Tb	3908523.80	1.34	3825153.30	102.2	70 - 120	
165 Ho	3789304.80	1.06	3722287.30	101.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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\11A26i00.B\047_CCB.D\047_CCB.D#
Date Acquired:	Jan 26 2011 01:13 pm
Operator:	SDM
Sample Name:	CCB 110124
Misc Info:	
Vial Number:	1102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 am
Sample Type:	CCB
Total Dil Factor:	1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
7 (Li)	-------- ug/l	--------	#VALUE!	
9 Be	-0.14 ug/l	2.26	0.12	
11 B	-0.62 ug/l	16.61	15.00	
23 Na	-9.48 ug/l	8.40	77.10	
24 Mg	1.77 ug/l	7.33	7.50	
27 Al	-0.18 ug/l	230.52	3.96	
39 K	-1.98 ug/l	33.90	19.20	
44 Ca	67.47 ug/l	2.66	90.00	
47 Ti	0.02 ug/l	194.86	0.78	
51 V	-0.01 ug/l	14.61	0.21	
52 Cr	-0.01 ug/l	44.32	0.12	
55 Mn	0.84 ug/l	6.77	0.18	Fail
56 Fe	0.30 ug/l	8.68	40.80	
59 Co	-0.14 ug/l	0.54	0.09	
60 Ni	0.00 ug/l	1875.00	0.48	
63 Cu	-0.83 ug/l	1.66	0.39	
65 Cu	-0.83 ug/l	1.85	0.39	
66 Zn	-0.68 ug/l	3.08	6.90	
75 As	0.03 ug/l	128.57	0.27	
78 Se	0.16 ug/l	11.45	0.30	
78 Se	0.24 ug/l	43.85	0.30	
88 Sr	0.05 ug/l	41.64	0.03	Fail
88 Sr	0.04 ug/l	7.35	0.03	Fail
95 Mo	0.40 ug/l	9.46	0.21	Fail
106 (Cd)	-------- ug/l	--------	#VALUE!	
107 Ag	0.00 ug/l	1058.20	0.09	
108 (Cd)	-------- ug/l	--------	#VALUE!	
111 Cd	0.02 ug/l	30.27	0.06	
118 Sn	-0.11 ug/l	71.15	0.30	
121 Sb	0.37 ug/l	6.43	0.03	Fail
137 Ba	0.00 ug/l	5864.00	0.12	
205 Tl	0.03 ug/l	21.99	0.03	
206 (Pb)	-------- ug/l	--------	#VALUE!	
207 (Pb)	-------- ug/l	--------	#VALUE!	
208 Pb	-0.26 ug/l	2.17	0.33	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5177611.50	1.42	5418296.00	95.6	70 - 120	
45 Sc	3285318.80	0.96	3348937.80	98.1	70 - 120	
45 Sc	103926.03	0.99	98302.68	105.7	70 - 120	
45 Sc	4447967.00	0.52	4430331.00	100.4	70 - 120	
72 Ge	666431.69	0.60	674953.19	98.7	70 - 120	
72 Ge	50106.54	2.52	46572.09	107.6	70 - 120	
72 Ge	734180.88	0.29	720169.00	101.9	70 - 120	
115 In	3938072.30	0.19	3815386.50	103.2	70 - 120	
159 Tb	3940735.00	0.47	3825153.30	103.0	70 - 120	
165 Ho	3811733.00	0.77	3722287.30	102.4	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

6 :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

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	01/25/11	01/26/11	#602D-110125A-AY30578

Metals SC-Blank-REG MDLs
Printed: 1/28/2011 4:25:18 PM

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\022SMPL.D\022SMPL.D#
Date Acquired:	Jan 26 2011 10:46 am
Operator:	SDM
Sample Name:	110125A-3015-BLK
Misc Info:	110125A-3015
Vial Number:	3101
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	-0.15 ug/l	-0.17	2.58	1000	
11 B	0.52 ug/l	0.57	6.52	1000	
23 Na	90.72 ug/l	100.79	2.94	25000	
24 Mg	11.86 ug/l	13.18	2.62	50000	
27 Al	18.31 ug/l	20.34	2.44	20000	
39 K	37.55 ug/l	41.72	4.41	20000	
44 Ca	229.40 ug/l	254.86	5.34	50000	
47 Ti	1.59 ug/l	1.77	8.45	1000	
51 V	0.03 ug/l	0.04	42.00	1000	
52 Cr	0.20 ug/l	0.23	5.26	1000	
55 Mn	57.24 ug/l	63.59	0.50	1000	
56 Fe	162.70 ug/l	180.76	3.13	20000	
59 Co	-0.08 ug/l	-0.08	19.89	1000	
60 Ni	1.52 ug/l	1.69	2.88	1000	
63 Cu	11.75 ug/l	13.05	0.83	1000	
65 Cu	11.76 ug/l	13.07	0.62	1000	
66 Zn	16.97 ug/l	18.85	0.81	1000	
75 As	0.45 ug/l	0.50	8.15	1000	
78 Se	0.15 ug/l	0.16	8.32	1000	
78 Se	0.24 ug/l	0.26	7.86	1000	
88 Sr	0.33 ug/l	0.36	10.80	1000	
88 Sr	0.32 ug/l	0.35	1.43	1000	
95 Mo	2.03 ug/l	2.26	5.03	1000	
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	0.02 ug/l	0.02	10.93	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	0.00 ug/l	0.00	345.81	1000	
118 Sn	1.42 ug/l	1.58	2.96	1000	
121 Sb	1.92 ug/l	2.13	5.94	1000	
137 Ba	0.26 ug/l	0.29	9.25	1000	
205 Tl	0.02 ug/l	0.02	34.70	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	-0.12 ug/l	-0.13	7.96	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5594462.00	0.75	5418296.00	103.3	70 - 120	
45 Sc	3539870.80	0.09	3348937.80	105.7	70 - 120	
45 Sc	103301.75	1.71	98302.68	105.1	70 - 120	
45 Sc	4702119.50	0.60	4430331.00	106.1	70 - 120	
72 Ge	699582.81	0.47	674953.19	103.6	70 - 120	
72 Ge	48784.19	1.04	46572.09	104.7	70 - 120	
72 Ge	757040.69	0.44	720169.00	105.1	70 - 120	
115 In	4268437.00	1.40	3815386.50	111.9	70 - 120	
159 Tb	4357685.00	0.86	3825153.30	113.9	70 - 120	
165 Ho	4234676.00	0.80	3722287.30	113.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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

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)	250	239	95.6	80-120	1/25/2011	1/26/2011	#602D-110125A-AY30578

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Comments:

Printed: 1/28/2011 4:25:04 PM
APPL Standard LCS

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\023SMPL.D\023SMPL.D#
Date Acquired:	Jan 26 2011 10:52 am
Operator:	SDM
Sample Name:	110125A-3015-LCS
Misc Info:	110125A-3015
Vial Number:	3102
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	36.66 ug/l	40.73	1.09	1000	
11 B	188.30 ug/l	209.20	0.82	1000	
23 Na	20850.00 ug/l	23164.35	0.67	25000	
24 Mg	20690.00 ug/l	22986.59	1.08	50000	
27 Al	1749.00 ug/l	1943.14	1.01	20000	
39 K	4540.00 ug/l	5043.94	0.71	20000	
44 Ca	21320.00 ug/l	23686.52	0.70	50000	
47 Ti	219.10 ug/l	243.42	0.89	1000	
51 V	219.10 ug/l	243.42	0.37	1000	
52 Cr	220.80 ug/l	245.31	0.34	1000	
55 Mn	218.40 ug/l	242.64	0.51	1000	
56 Fe	870.50 ug/l	967.13	0.83	20000	
59 Co	218.70 ug/l	242.98	1.14	1000	
60 Ni	203.20 ug/l	225.76	1.45	1000	
63 Cu	217.60 ug/l	241.75	0.94	1000	
65 Cu	208.70 ug/l	231.87	0.86	1000	
66 Zn	346.40 ug/l	384.85	1.14	1000	
75 As	191.70 ug/l	212.98	0.17	1000	
78 Se	168.90 ug/l	187.65	0.49	1000	
78 Se	171.70 ug/l	190.76	0.42	1000	
88 Sr	232.10 ug/l	257.86	0.52	1000	
88 Sr	229.50 ug/l	254.97	0.34	1000	
95 Mo	247.30 ug/l	274.75	0.65	1000	
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	85.17 ug/l	94.62	1.57	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	40.07 ug/l	44.52	0.19	1000	
118 Sn	221.00 ug/l	245.53	0.67	1000	
121 Sb	219.10 ug/l	243.42	0.73	1000	
137 Ba	233.80 ug/l	259.75	1.32	1000	
205 Tl	209.30 ug/l	232.53	0.55	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	215.70 ug/l	239.64	0.30	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5246880.00	0.35	5418296.00	96.8	70 - 120	
45 Sc	3467793.30	1.06	3348937.80	103.5	70 - 120	
45 Sc	102850.14	1.48	98302.68	104.6	70 - 120	
45 Sc	4642900.00	1.36	4430331.00	104.8	70 - 120	
72 Ge	673925.13	0.51	674953.19	99.8	70 - 120	
72 Ge	47559.45	0.87	46572.09	102.1	70 - 120	
72 Ge	727549.88	1.39	720169.00	101.0	70 - 120	
115 In	3968495.00	1.00	3815386.50	104.0	70 - 120	
159 Tb	4161166.30	0.94	3825153.30	108.8	70 - 120	
165 Ho	4053110.80	1.35	3722287.30	108.9	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.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

Matrix Spike Recoveries

METALS

APPL ID: **110125W-30578 MS - 151537**

Sample ID: AY30578
Client ID: ES017

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	250	ND	227	230	90.8	92.0	1.3	20	80-120	1/25/2011	1/26/2011	1/25/2011	1/26/2011	151537	AY30578

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Comments:

Printed: *1/28/2011 4:24:59 PM*
APPL MSD SCII

Sample QC Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\030SMPL.D\030SMPL.D#
Date Acquired:	Jan 26 2011 11:34 am
Operator:	SDM
Sample Name:	AY30578W21 MS
Misc Info:	110125A-3015
Vial Number:	3109
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	34.45	ug/l	38.27	0.73	1000	
11 B	194.20	ug/l	215.76	0.95	1000	
23 Na	251000.00	ug/l	278861.00	0.33	25000	>Cal
24 Mg	95330.00	ug/l	105911.63	0.31	50000	>Cal
27 Al	1749.00	ug/l	1943.14	1.96	20000	
39 K	11250.00	ug/l	12498.75	0.83	20000	
44 Ca	191600.00	ug/l	212867.60	0.47	50000	>Cal
47 Ti	214.90	ug/l	238.75	1.09	1000	
51 V	209.80	ug/l	233.09	0.77	1000	
52 Cr	223.10	ug/l	247.86	0.70	1000	
55 Mn	203.90	ug/l	226.53	0.78	1000	
56 Fe	836.20	ug/l	929.02	1.21	20000	
59 Co	197.20	ug/l	219.09	1.42	1000	
60 Ni	189.40	ug/l	210.42	0.35	1000	
63 Cu	203.90	ug/l	226.53	1.31	1000	
65 Cu	194.70	ug/l	216.31	0.75	1000	
66 Zn	334.60	ug/l	371.74	0.83	1000	
75 As	193.00	ug/l	214.42	0.41	1000	
78 Se	173.80	ug/l	193.09	0.52	1000	
78 Se	175.40	ug/l	194.87	0.86	1000	
88 Sr	3785.00	ug/l	4205.14	1.25	1000	>Cal
88 Sr	3695.00	ug/l	4105.15	0.31	1000	>Cal
95 Mo	248.10	ug/l	275.64	0.34	1000	
106 (Cd)	--------	ug/l	#VALUE!	--------	#######	
107 Ag	34.85	ug/l	38.72	0.39	500	
108 (Cd)	--------	ug/l	#VALUE!	--------	#######	
111 Cd	37.36	ug/l	41.51	0.82	1000	
118 Sn	218.20	ug/l	242.42	1.00	1000	
121 Sb	216.50	ug/l	240.53	1.12	1000	
137 Ba	384.60	ug/l	427.29	0.57	1000	
205 Tl	199.00	ug/l	221.09	0.24	1000	
206 (Pb)	--------	ug/l	#VALUE!	--------	#######	
207 (Pb)	--------	ug/l	#VALUE!	--------	#######	
208 Pb	204.10	ug/l	226.76	0.29	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5343646.50	0.93	5418296.00	98.6	70 - 120	
45 Sc	3597831.50	1.78	3348937.80	107.4	70 - 120	
45 Sc	104866.77	1.45	98302.68	106.7	70 - 120	
45 Sc	4795263.00	1.68	4430331.00	108.2	70 - 120	
72 Ge	623504.25	0.43	674953.19	92.4	70 - 120	
72 Ge	44769.82	2.09	46572.09	96.1	70 - 120	
72 Ge	683205.75	1.41	720169.00	94.9	70 - 120	
115 In	3684524.80	1.07	3815386.50	96.6	70 - 120	
159 Tb	3883865.00	0.90	3825153.30	101.5	70 - 120	
165 Ho	3813943.00	0.82	3722287.30	102.5	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

5 :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\11A26i00.B\031SMPL.D\031SMPL.D#
Date Acquired:	Jan 26 2011 11:39 am
Operator:	SDM
Sample Name:	AY30578W21 MSD
Misc Info:	110125A-3015
Vial Number:	3110
Current Method:	C:\ICPCHEM\1\METHODS\62A0126.M
Calibration File:	C:\ICPCHEM\1\CALIB\62A0126.C
Last Cal Update:	Jan 26 2011 09:27 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	34.19 ug/l	37.99	1.88	1000	
11 B	193.60 ug/l	215.09	0.55	1000	
23 Na	248400.00 ug/l	275972.40	0.91	25000	>Cal
24 Mg	94940.00 ug/l	105478.34	0.85	50000	>Cal
27 Al	1806.00 ug/l	2006.47	1.05	20000	
39 K	11280.00 ug/l	12532.08	0.77	20000	
44 Ca	193500.00 ug/l	214978.50	0.58	50000	>Cal
47 Ti	220.60 ug/l	245.09	1.39	1000	
51 V	212.00 ug/l	235.53	1.24	1000	
52 Cr	226.20 ug/l	251.31	1.13	1000	
55 Mn	208.50 ug/l	231.64	0.26	1000	
56 Fe	839.80 ug/l	933.02	0.32	20000	
59 Co	199.30 ug/l	221.42	0.61	1000	
60 Ni	190.00 ug/l	211.09	0.77	1000	
63 Cu	206.60 ug/l	229.53	1.20	1000	
65 Cu	197.80 ug/l	219.76	1.56	1000	
66 Zn	345.80 ug/l	384.18	0.99	1000	
75 As	198.30 ug/l	220.31	0.35	1000	
78 Se	176.40 ug/l	195.98	0.24	1000	
78 Se	179.80 ug/l	199.76	0.44	1000	
88 Sr	3824.00 ug/l	4248.46	0.83	1000	>Cal
88 Sr	3714.00 ug/l	4126.25	0.95	1000	>Cal
95 Mo	251.20 ug/l	279.08	0.85	1000	
106 (Cd)	-------- ug/l	#VALUE!	--------	#######	
107 Ag	64.20 ug/l	71.33	0.90	500	
108 (Cd)	-------- ug/l	#VALUE!	--------	#######	
111 Cd	38.33 ug/l	42.58	0.34	1000	
118 Sn	222.10 ug/l	246.75	0.80	1000	
121 Sb	220.60 ug/l	245.09	0.40	1000	
137 Ba	392.60 ug/l	436.18	0.87	1000	
205 Tl	200.10 ug/l	222.31	0.65	1000	
206 (Pb)	-------- ug/l	#VALUE!	--------	#######	
207 (Pb)	-------- ug/l	#VALUE!	--------	#######	
208 Pb	207.10 ug/l	230.09	0.51	1000	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	5004587.00	0.71	5418296.00	92.4	70 - 120	
45 Sc	3468617.80	0.70	3348937.80	103.6	70 - 120	
45 Sc	103785.19	1.91	98302.68	105.6	70 - 120	
45 Sc	4715496.50	1.11	4430331.00	106.4	70 - 120	
72 Ge	604676.81	0.31	674953.19	89.6	70 - 120	
72 Ge	43823.17	2.36	46572.09	94.1	70 - 120	
72 Ge	672306.56	0.94	720169.00	93.4	70 - 120	
115 In	3573501.80	0.65	3815386.50	93.7	70 - 120	
159 Tb	3775193.50	1.15	3825153.30	98.7	70 - 120	
165 Ho	3677523.80	1.11	3722287.30	98.8	70 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\11A26i00.B\004CALB.D\004CALB.D#

5 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

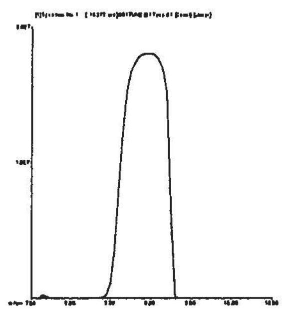
Data Results:
Analytes: **Fail**
ISTD: **Pass**

200.8 QC Tune Report

Data File:	C:\ICPCHEM\1\DATA\11A26i00.B\001TUNE.D
Date Acquired:	Jan 26 2011 08:43 am
Acq. Method:	TN200_8.M
Operator:	SDM
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	109754392	########	########	########	########	########	0.88	5.00	
24 Mg	239439920	########	########	########	########	########	1.73	5.00	
59 Co	245477254	########	########	########	########	########	2.20	5.00	
115 In	230705914	########	########	########	########	########	2.48	5.00	
208 Pb	70460355	69377984	70544920	70645112	71102952	70630808	1.05	5.00	



9 Be

Mass Calib.

Actual: 8.95

Required: 8.90 - 9.10

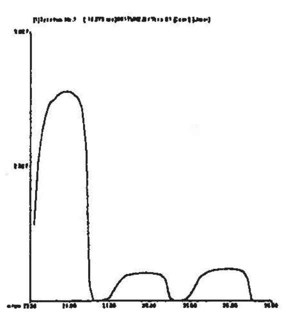
Flag:

Peak Width

Actual: 0.70

Required: 0.90

Flag:



24 Mg

Mass Calib.

Actual: 23.95

Required: 23.90 - 24.10

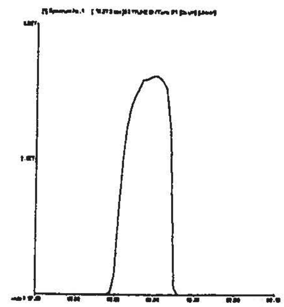
Flag:

Peak Width

Actual: 0.65

Required: 0.80

Flag:



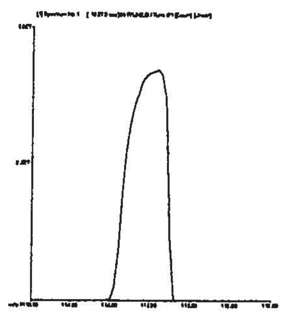
59 Co

Mass Calib.

Actual:	58.95		
Required:	58.90	-	59.10
Flag:			

Peak Width

Actual:	0.65
Required:	0.90
Flag:	



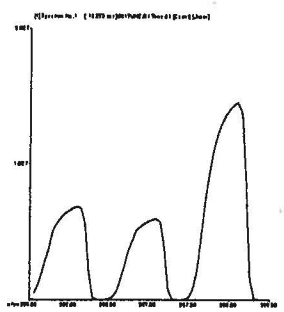
115 In

Mass Calib.

Actual:	115.05		
Required:	114.90	-	115.10
Flag:			

Peak Width

Actual:	0.65
Required:	0.90
Flag:	



208 Pb

Mass Calib.

Actual:	208.05		
Required:	207.90	-	208.10
Flag:			

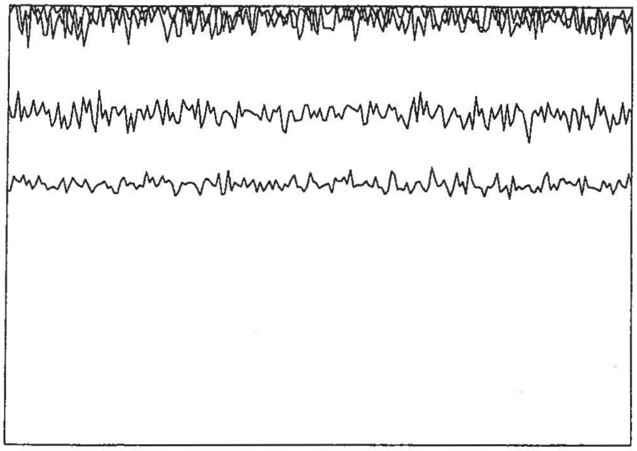
Peak Width

Actual:	0.60
Required:	0.80
Flag:	

Tune Result: Pass

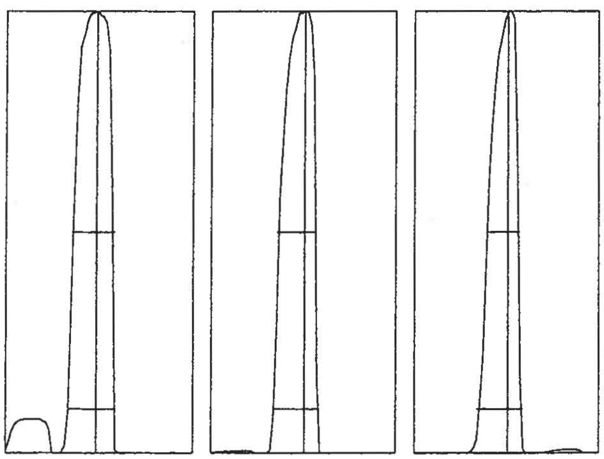
Tune Report

Tune File : nogas.u
Comment : 110126



Integration Time: 0.1000 sec
Sampling Period: 0.6200 sec
n: 200
Oxide: 156/140 1.213%
Doubly Charged: 70/140 2.251%

m/z	Range	Count	Mean	RSD%	Background
7	100,000	58734.0	59358.1	2.32	1.10
89	50,000	46847.0	48470.3	3.02	3.00
205	20,000	20300.0	19718.0	2.63	9.20
156/140	2	1.408%	1.214%	7.10	
70/140	5	1.852%	2.026%	6.56	
140	50,000	37800.0	37685.3	2.82	6.40



m/z:	7	89	205
Height:	59,361	48,525	20,085
Axis:	7.00	89.05	205.05
W-50%:	0.70	0.65	0.55
W-10%:	0.7500	0.7500	0.7500

Integration Time: 0.1000 sec
Acquisition Time: 22.7600 sec

Y axis : Linear

Page: 1

Generated : Jan 26, 2011 08:35:23
Printed : Jan 26, 2011 08:35:25

Tune Report

Tune File : nogas.u
Comment : 110126

Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	:	1600 W	Extract 1	:	0 V	AMU Gain	:	126
RF Matching	:	1.7 V	Extract 2	:	-100 V	AMU Offset	:	127
Smpl Depth	:	8 mm	Omega Bias-ce	:	-22 V	Axis Gain	:	0.9997
Torch-H	:	0.1 mm	Omega Lens-ce	:	-2.6 V	Axis Offset	:	-0.02
Torch-V	:	0.3 mm	Cell Entrance	:	-30 V	QP Bias	:	-3 V
Carrier Gas	:	1.02 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	:	1720 V
Sample Pump	:	--- rps	OctP RF	:	170 V	Pulse HV	:	980 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	:	--- %

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By 01-24-11
6010B/6010C
(A)

STD 2 or CCV1 6010B/6010C/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1 ML	CCV-A	ENVIRONMENTAL EXPRESS	1026453-27365	9/23/2011
1 ML	CCV-B	ENVIRONMENTAL EXPRESS	1026454-27366	9/23/2011
1 ML	CCV-C	ENVIRONMENTAL EXPRESS	1026455-27367	9/23/2011
Prepared in 200 ml 1%HNO3/5%HCl				
CCV2 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
0.75 ML	CCV-A	ENVIRONMENTAL EXPRESS	1026453-27365	9/23/2011
0.75 ML	CCV-B	ENVIRONMENTAL EXPRESS	1026454-27366	9/23/2011
0.75 ML	CCV-C	ENVIRONMENTAL EXPRESS	1026455-27367	9/23/2011
Prepared in 200 ml 1%HNO3/5%HCl				
STD 3 or HDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1ML	CCV-A	ENVIRONMENTAL EXPRESS	1026453-27365	9/23/2011
1ML	CCV-B	ENVIRONMENTAL EXPRESS	1026454-27366	9/23/2011
1ML	CCV-C	ENVIRONMENTAL EXPRESS	1026455-27367	9/23/2011
Prepared in 100 ml 1%HNO3/5%HCl				
STD 1 or LDL 6010B/6010C				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
1ML	6010 LDL	O2SI	1018292-25915	2/1/2011
Prepared in 100 ml 1%HNO3/5%HCl				
1%HNO3/5%HCL BLK				
AMOUNT	ACID	MANUFACTURER		EXP DATE
20 ML	HNO3	BDH	1110030	3/1/2011
100 ML	HCL	BDH	4110060	3/1/2011
Prepared in 2000ml DI H2O				
6010B/6010C ICSA		MANUFACTURER		EXP DATE
AMOUNT				
Stock Solution prepared on 07/26/10		See 07/26/10		3/24/2011
Prepared in 1000 ml 1%HNO3/5%HCl				
6010B/6010C ICSAB				
AMOUNT	STD	MANUFACTURER	LOT	EXP DATE
ICSA Stock Solution prepared on 07/26/10		See 07/26/10		3/24/2011
1mL	INT	O2SI	1019502-26434	5/1/2011
Prepared in 100 ml of ICSA Stock Solution				
Date Prepared				
6010B/6010C ICV				EXP DATE
0.5ML	QCS ICV A	CPI	10C041-26305	9/9/2011
0.5ML	QCS ICV B	CPI	10C041-26306	9/9/2011
Prepared in 50ml 1%HNO3/5%HCl				

By 1-24-11

SAK 1/24/11

Internal Standard Concentration

Amt	STD	Element	Vendor	Lot#	Final Conc. in Std	Expires
50uL	1000 ug/mL	Li	CPI	10L079-27839	1ppm	6/10/2012
50uL	1000 ug/mL	In	CPI	09D228-25327	1ppm	4/23/2011
50uL	1000 ug/mL	Ho	CPI	09F382-25328	1ppm	4/23/2011
50uL	1000 ug/mL	Tb	CPI	09A222-25326	1ppm	4/23/2011
50uL	1000 ug/mL	Sc	o2si	1017148-25135	1ppm	3/1/2011
50uL	1000 ug/mL	Ge	Environmental Express	0932416-25995	1ppm	7/13/2011

1/24/11 ~~AS~~ SDK

Prep: 1/24/2011 Prep in - 1%HNO3/1.0%HCL: Lot #1110030/4110060 in 50mL
Expires: 2/23/2011

6020/6020A
SDK 1/24/11
(A)

SAK 1/24/11

ICP-MS STANDARDS 6020/6020A/3015/3051A
Today's Date: 1/24/2011
Expires: 1/31/2011
Prep Date 1% HNO3/1.0%HCL
20 mL HNO3 / 2000 mL DI Water
Lot # 1110030
20mL HCL / 2000mL DI Water
Lot #4110060
Expires: 1/31/2011

Standard 4

Amount	STD	Manufacturer	Lot #
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 1/24/2011

Standard 3 1/31/2011

Amount	STD	Manufacturer	Lot #
25 uL	CCV-A	Env. Express	1036407-28139
25 uL	CCV-B	Env. Express	1036410-28140
25 uL	CCV-C	Env. Express	1100309-28141

Prepared in 100 mL of 1% HNO3/1.0% HCL 1/24/2011

Standard 2 1/31/2011
Amount STD
500 uL Standard 4 1/24/2011
Prepared in 50 mL of 1% HNO3/1.0% HCL 1/24/2011

Standard 1 1/31/2011
Amount STD
50 uL Standard 4 1/24/2011
Prepared in 50 mL of 1% HNO3/1.0% HCL 1/24/2011

ICP-MS ICV 1/31/2011

Amount	STD		
50 uL	QCS ICV A	CPI	10C041-26305
50 uL	QCS ICV B	CPI	10C041-26306

Prepared in 50 mL of 1% HNO3/1.0% HCL 1/24/2011

ICSA Prep: 1/31/2011
1 mL ICSA CPI 10C184-27357
Prepared in 5 mL of 1% HNO3/1.0% HCL 1/24/2011

ICSAB Prep: 1/31/2011

1mL	ICSA	CPI	10C184-27357
0.025mL	INT	O2SI	1019502-26434

Prepared in 5 mL of 1% HNO3/1.0% HCL 1/24/2011

ICP-LDR 1/31/2011

Amount	STD		
50 uL	CCV-A	Env. Express	1036407-28139
50 uL	CCV-B	Env. Express	1036410-28140
50 uL	CCV-C	Env. Express	1100309-28141

Prepared in 10 mL of 1% HNO3/1.0% HCL 1/24/2011

Metals Digestion Worksheet

Method Name 3015 Digestion **Prep Method** M3015 **Set** 110125A **Units** mL

Spikes	
Spiked ID 1	LCSW LOT# 10L212-28076
Spiked ID 2	LCSW LOT# 10L211-28075
Spiked ID 3	
Spiked ID 4	
Spiked By	dp Date: 01/25/11 1:03:00 PM
Witnessed By	nm Date: 01/25/11 1:03:00 PM

Starting Temp:	35°c
Ending Temp:	160°c
Temperature Type:	Microwave
Sufficient Vol for Matrix QC:	YES
End Date/Time	1/25/11 1415

	Sample	Sample Container	Spike Amount	Spike ID	Digested Amount	Final Volume	Start Date/Time	Comments
1	110125A Blk				45mL	50mL	01/25/11 13:03	
2	110125A LCS		450uL	1+2	45mL	50mL	01/25/11 13:03	
3	AY30575	AY30575W08			45mL	50mL	01/25/11 13:03	
4	AY30576	AY30576W09			45mL	50mL	01/25/11 13:03	
5	AY30577	AY30577W08			45mL	50mL	01/25/11 13:03	
6	AY30578	AY30578W20			45mL	50mL	01/25/11 13:03	
7	AY30578 MS	AY30578W21	450uL	1+2	45mL	50mL	01/25/11 13:03	
8	AY30578 MSD	AY30578W21	450uL	1+2	45mL	50mL	01/25/11 13:03	
9	AY30579	AY30579W08			45mL	50mL	01/25/11 13:03	

Solvent and Lot#
HNO3 BDH 1110030 2795

Sample COC Transfer	
Sample prep employee Initials	dp
Analyst's initials	SDM
Date	1/25/11
Time	1700
Moved to	Metals

Technician's Initials	
Scanned By	dp
Sample Preparation	dp
Digestion	dp
Bring up to volume	dp
Modified	01/25/11 10:36:27 AM

Reviewed By: RGB **Date:** 1/25/11

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 2011	08:59	Calibration Blank		110126A	1.
2	26 Jan 2011	09:05	110124 Standard 1		110126A	1.
3	26 Jan 2011	09:11	110124 Standard 2		110126A	1.
4	26 Jan 2011	09:17	110124 Standard 3		110126A	1.
5	26 Jan 2011	09:23	110124 Standard 4		110126A	1.
6	26 Jan 2011	09:29	ICV 110124		110126A	1.
7	26 Jan 2011	09:41	ICB 110124		110126A	1.
9	26 Jan 2011	09:53	CCV 110124		110126A	1.
10	26 Jan 2011	10:05	CCB 110124		110126A	1.
11	26 Jan 2011	10:11	ICSA 110124		110126A	1.
12	26 Jan 2011	10:17	ICSAB 110124		110126A	1.
13	26 Jan 2011	10:23	LDR 110124		110126A	1.
14	26 Jan 2011	10:34	CCV 110124		110126A	1.
15	26 Jan 2011	10:40	CCB 110124		110126A	1.
16	26 Jan 2011	10:46	110125A-3015-BLK		110126A	1.
17	26 Jan 2011	10:52	110125A-3015-LCS		110126A	1.
20	26 Jan 2011	11:10	AY30575W08		110126A	1.
21	26 Jan 2011	11:16	AY30576W09		110126A	1.
22	26 Jan 2011	11:22	AY30577W08		110126A	1.
23	26 Jan 2011	11:28	AY30578W20		110126A	1.
24	26 Jan 2011	11:34	AY30578W21 MS		110126A	1.
25	26 Jan 2011	11:39	AY30578W21 MSD		110126A	1.
27	26 Jan 2011	11:51	CCV 110124		110126A	1.
28	26 Jan 2011	11:57	CCB 110124		110126A	1.
29	26 Jan 2011	12:03	AY30578W20-A		110126A	1.
30	26 Jan 2011	12:09	AY30578W20-1/5		110126A	5.
31	26 Jan 2011	12:15	AY30579W08		110126A	1.
40	26 Jan 2011	13:07	CCV 110124		110126A	1.
41	26 Jan 2011	13:13	CCB 110124		110126A	1.