Laboratory Report

Environet

LTM Red Hill Bulk Fuel Storage Facility

ARF 63706

Samples collected: January 20 & 21, 2011

APPL, Inc.

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.

2/5/14

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.**
Address: **650 Iwilei Rd, #204**
Honolulu, HI 96817
Attn: **Vilma Dupra**
Phone: **808-833-2225** Fax: **808-833-2231**
Job: **LTM Red Hill Bulk Fuel Storage Facility**
PO #: **1022-015**
Chain of Custody (Y/N): **Y** # **33670**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **2 WEEKS**

Received by: **TBV**
Date Received: **01/22/11** Time: **12:00**
Delivered by: **FED EX**
Shuttle Custody Seals (Y/N): **Y**
Chest Temp(s): **3.0,3.0,3.0°C**
Color: **VOA,B-RED,O-ORGN**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Cynthia Clark**
QC Report Type: **DVP4/ADRDOD/HI**
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
metals 6020: report Lead with 0.5ug/L RL
TPH-Diesel only
VOCs: include gasoline by 8260B

Sample Distribution:
GC: 5-$SIMHC12W, 5-$TPETD2
Extractions: 5-_SEP004S, 5-_SEP011
VOA: 6-$86RHBF
Metals: 5-$602D(Pb)
Other: 5-_M3015

Charges:

Invoice To:
ENVIRONET INC.
Celcila Adams
650 Iwilei Rd. Suite 204
Honolulu, HI 96817

	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

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 8332225
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	Sampler (Print)
Red Hill LTM/1022-015	Stacey Fineran
Purchase Order Number	Sampler (Signature)
	Stacy Aft

Sample Identification	Location	Date Collected	Time Collected	No. of Containers	Matrix: Aq	Sed.	Soil	VOCs	TPH-G	PAH	TPH-D	Dissolved Pb (Reqd)							Date Shipped:
ESO15	RHSF LTM	1/20/11	1305	8	X			X	X	X	X	X							Carrier:
ESO14	RHSF LTM	1/20/11	1003	9	X			X	X	X	X	X							Waybill No.:
ESO16	RHSF LTM	1/21/11	1215	8	X			X	X	X	X	X							Comments:
ESO17 MS/MSD	RHSF LTM	1/21/11	1100	~~4~~ 8	X			X	X	X	X	X							
ESO18	RHSF LTM	1/21/11	0830	8	X			X	X	X	X	X							
trip blank	RHSF LTM	N/A	N/A	4	X			X											

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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:	1/22/11	1800	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: CTM Red Hill Bulk Fuel Storage Facility Date Received: 1/22/11

2) Coolers: Number of Coolers: ~~3~~ 2 3

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 3) 3.0 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: Second reviewer: Yang Lee

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

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **110127W-30578 - 152149**
Batch ID: #TPETD-110127A

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. SDG No: 63706

Case No: 63706 Date Analyzed: 2/15/2011

Matrix: WATER 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

Printed: 2/17/2011 4:17:50 PM
APPL-F1-SC-NoMC-REG MDLs

Quantitation Report (QT Reviewed)

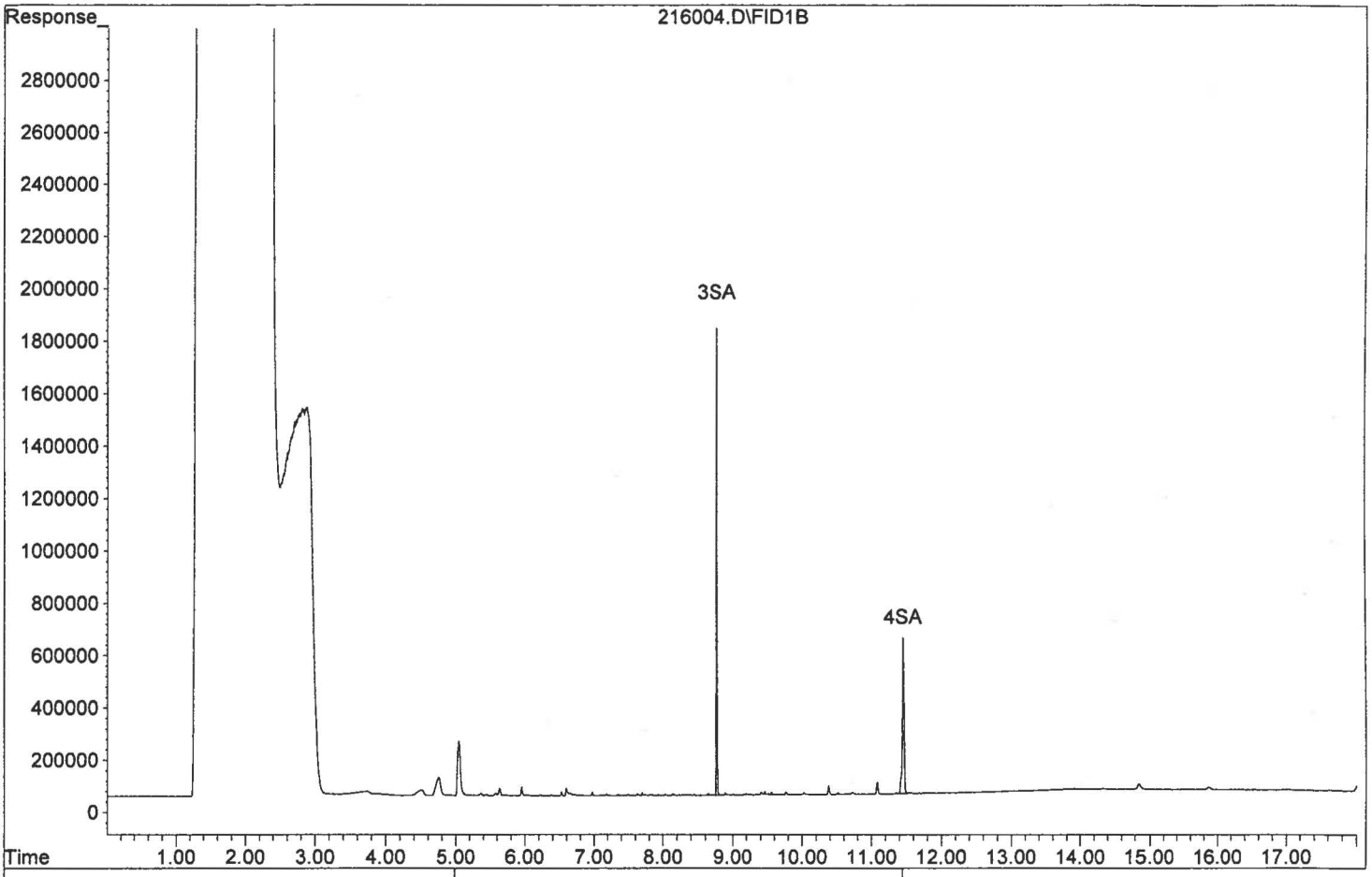
Data File : G:\APOLLO\DATA\110216\216004.D Vial: 4
Acq On : 2-16-11 15:40:16 Operator: LAC
Sample : AY30575W06 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Feb 17 16:05 2011 Quant Results File: TPHD0212.RES

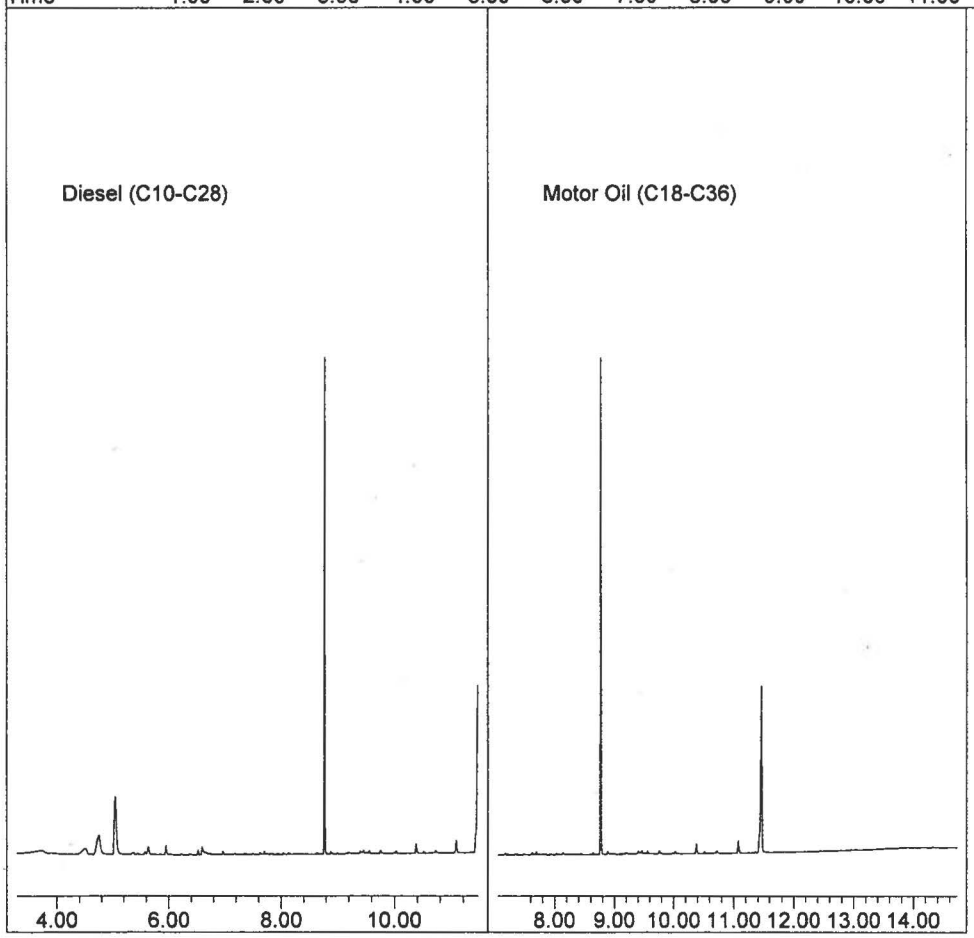
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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)

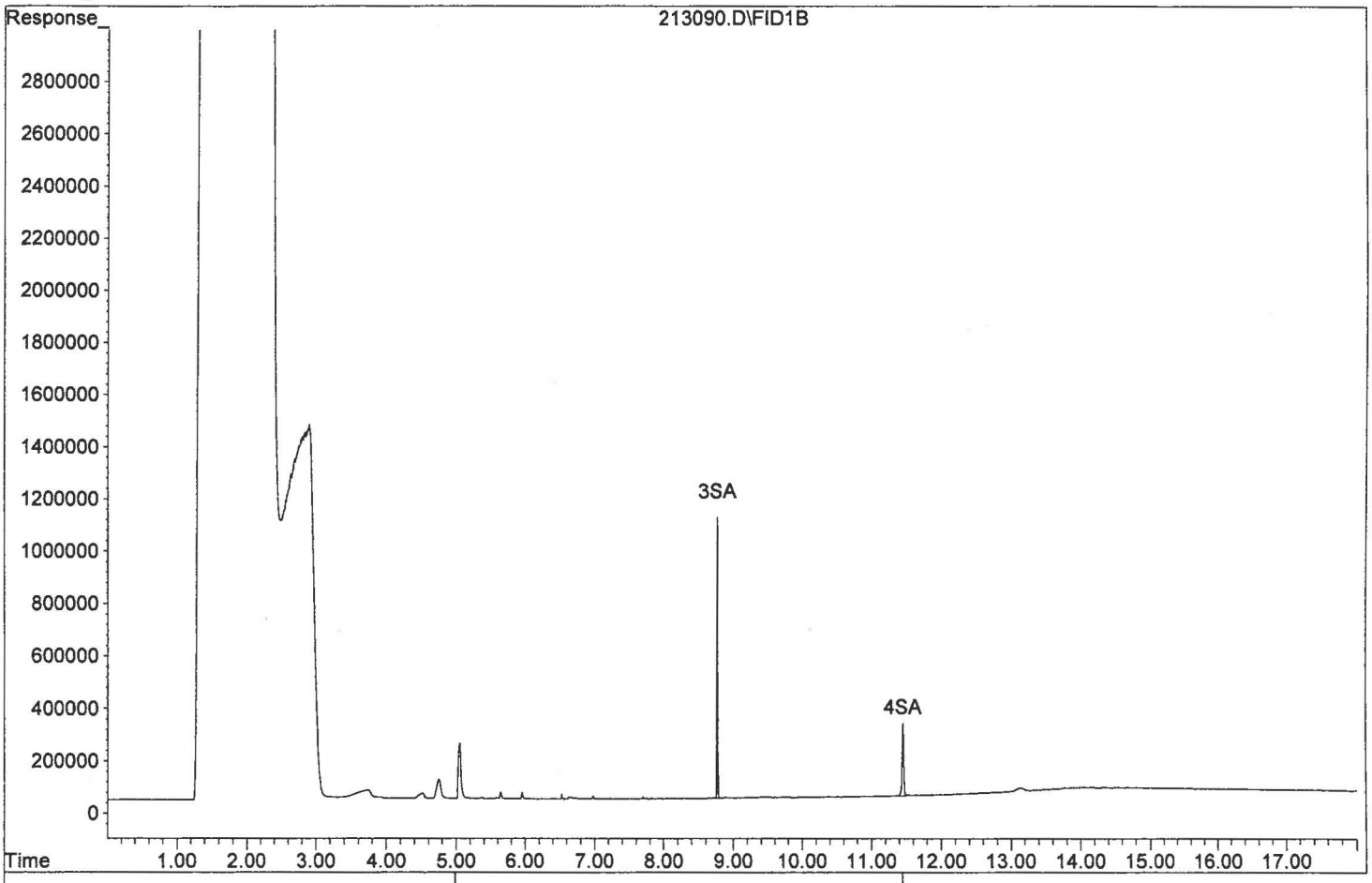
Data File : G:\APOLLO\DATA\110213\213090.D Vial: 90
Acq On : 2-15-11 22:27:43 Operator: LAC
Sample : AY30576W08 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Feb 17 16:25 2011 Quant Results File: TPHD0212.RES

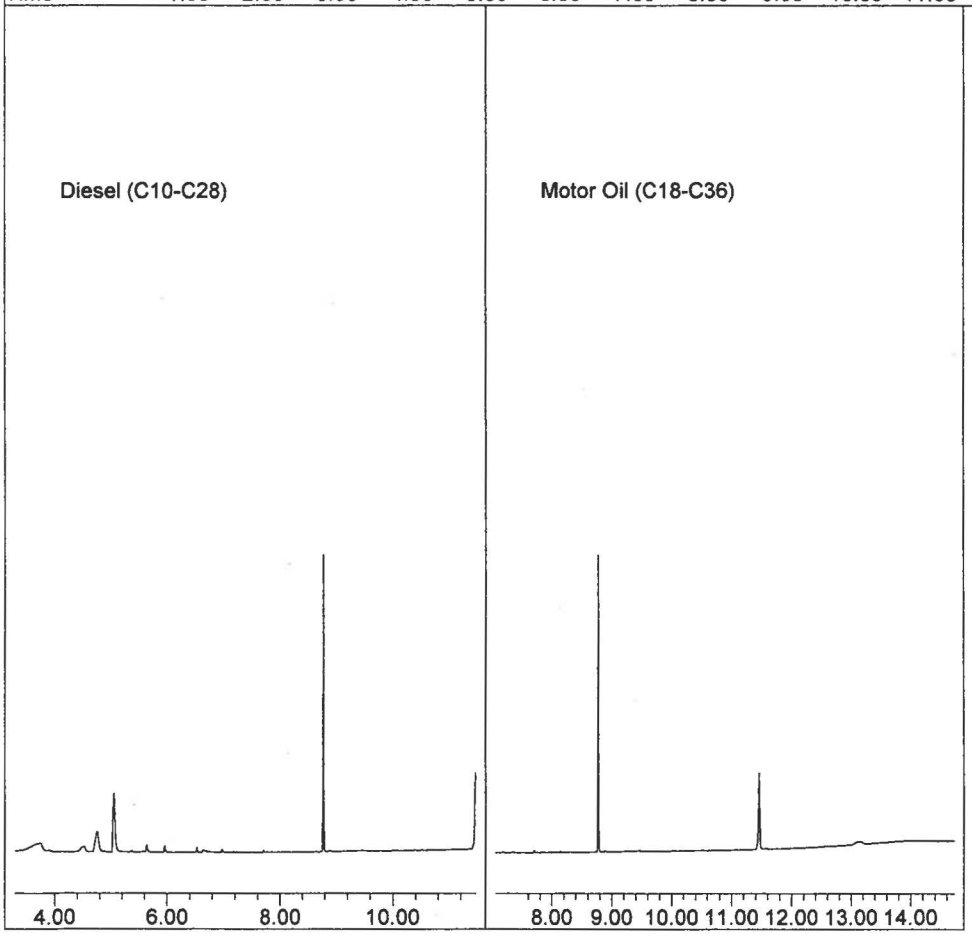
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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			

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

ARF: 63706

Sample ID: ES016

APPL ID: AY30577

Sample Collection Date: 1/21/2011

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)	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)

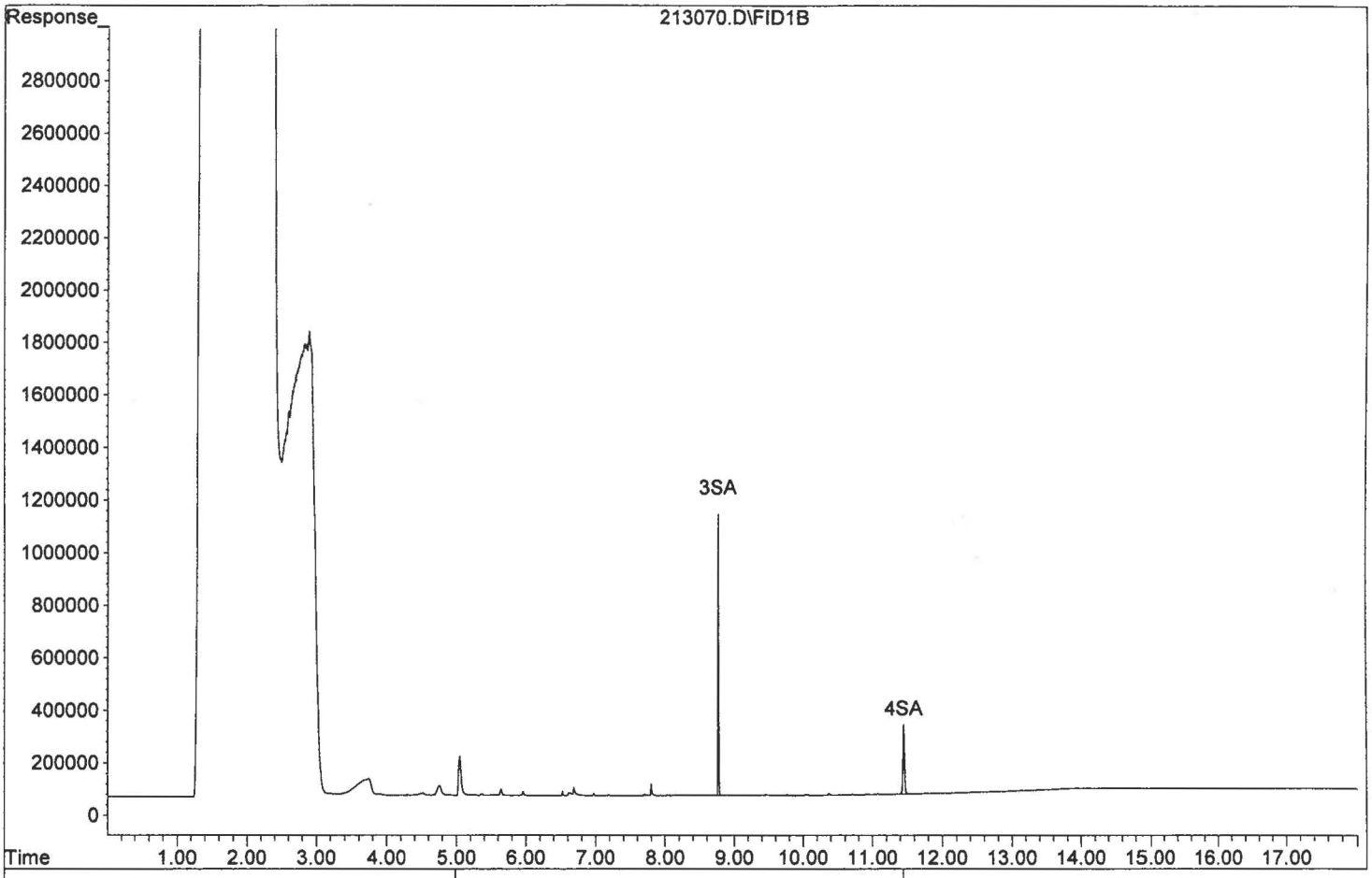
Data File : G:\APOLLO\DATA\110213\213070.D Vial: 70
Acq On : 2-15-11 14:25:48 Operator: LAC
Sample : AY30577W06 5/1040 Inst : Apollo
Misc : Water Multiplr: 4.81
IntFile : events.e
Quant Time: Feb 17 16:23 2011 Quant Results File: TPHD0212.RES

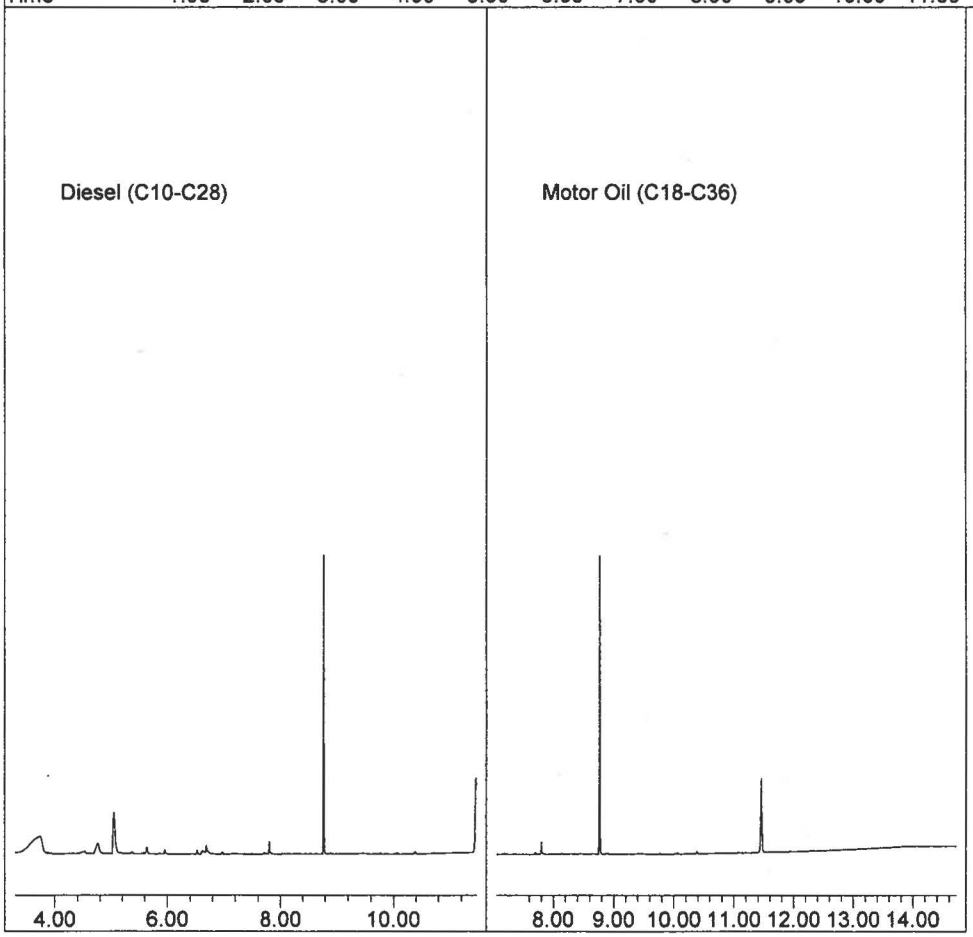
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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			

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

ARF: 63706

Sample ID: ES017

APPL ID: AY30578

Sample Collection Date: 1/21/2011

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)	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)

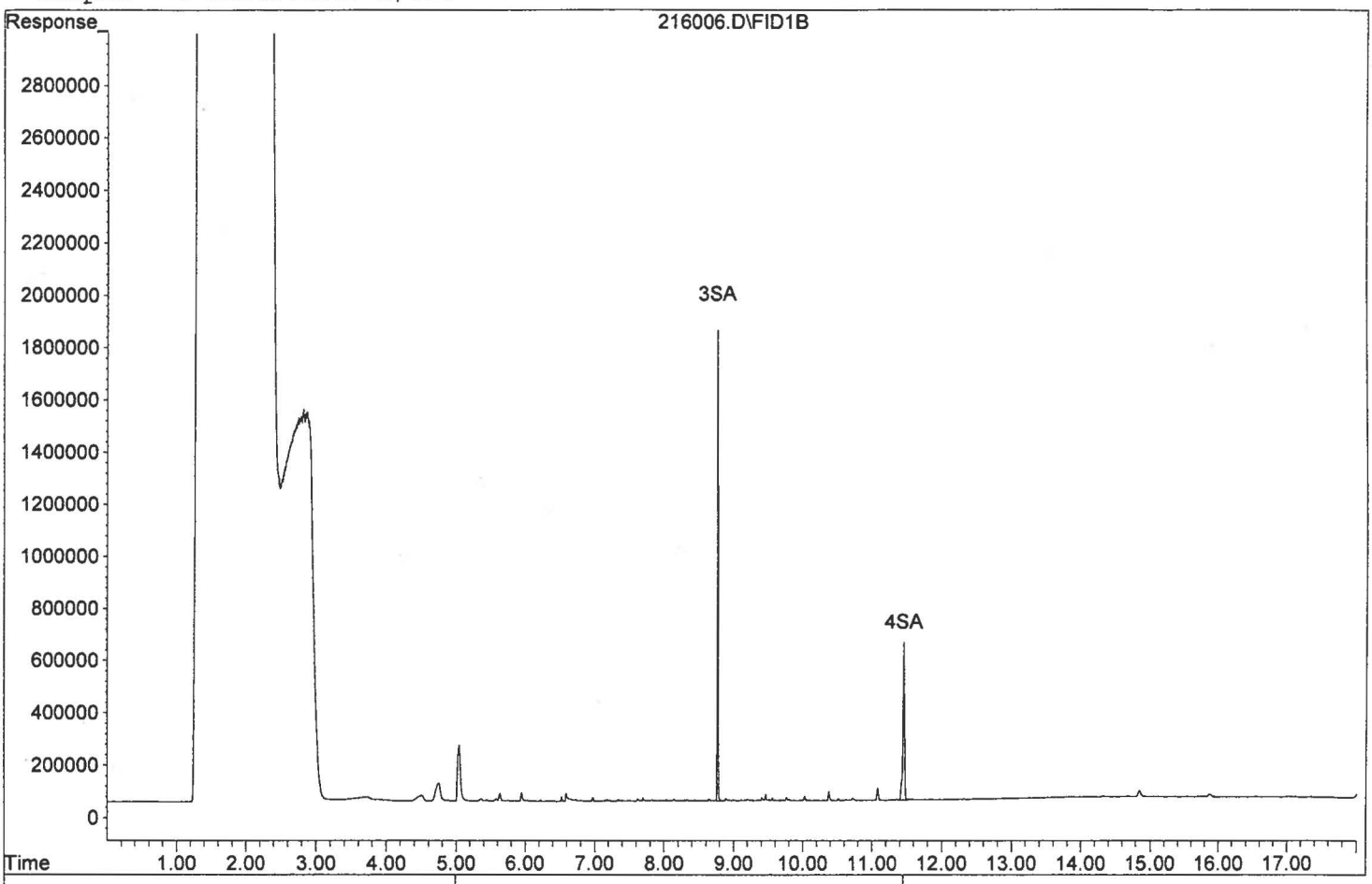
Data File : G:\APOLLO\DATA\110216\216006.D Vial: 6
Acq On : 2-16-11 16:47:58 Operator: LAC
Sample : AY30578W17 5/990 Inst : Apollo
Misc : Water Multiplr: 5.05
IntFile : events.e
Quant Time: Feb 17 16:06 2011 Quant Results File: TPHD0212.RES

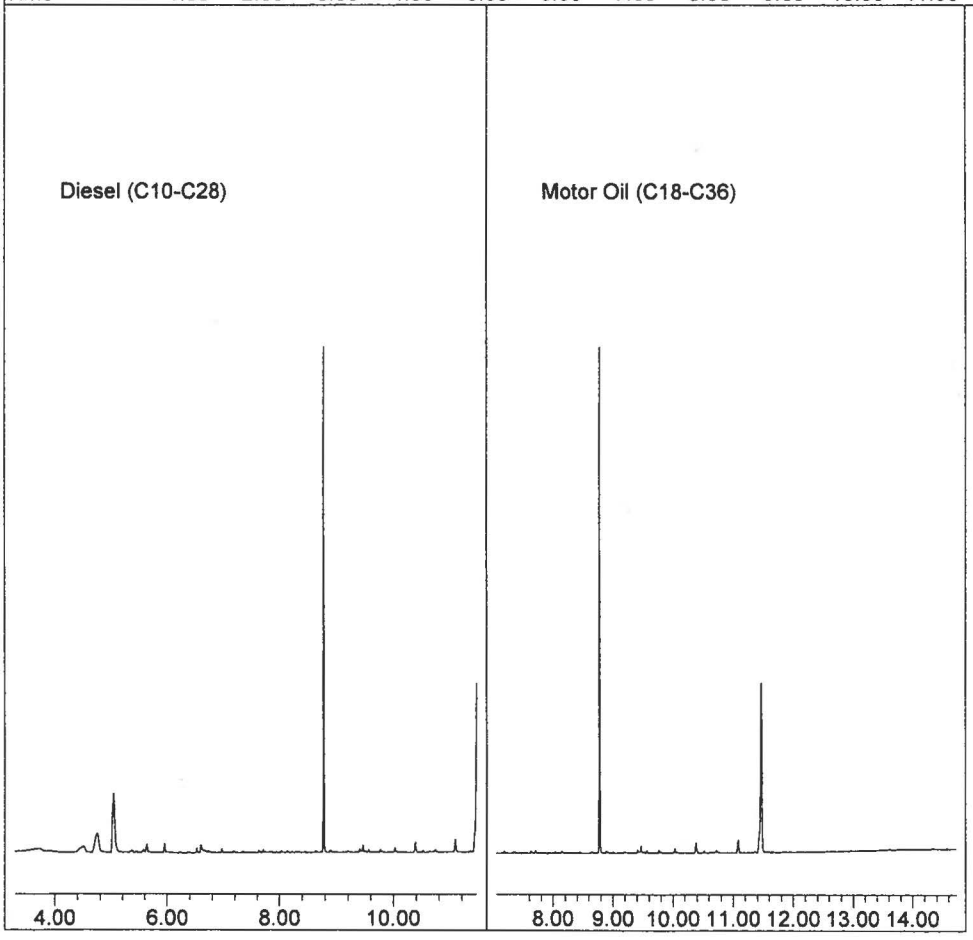
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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			

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)

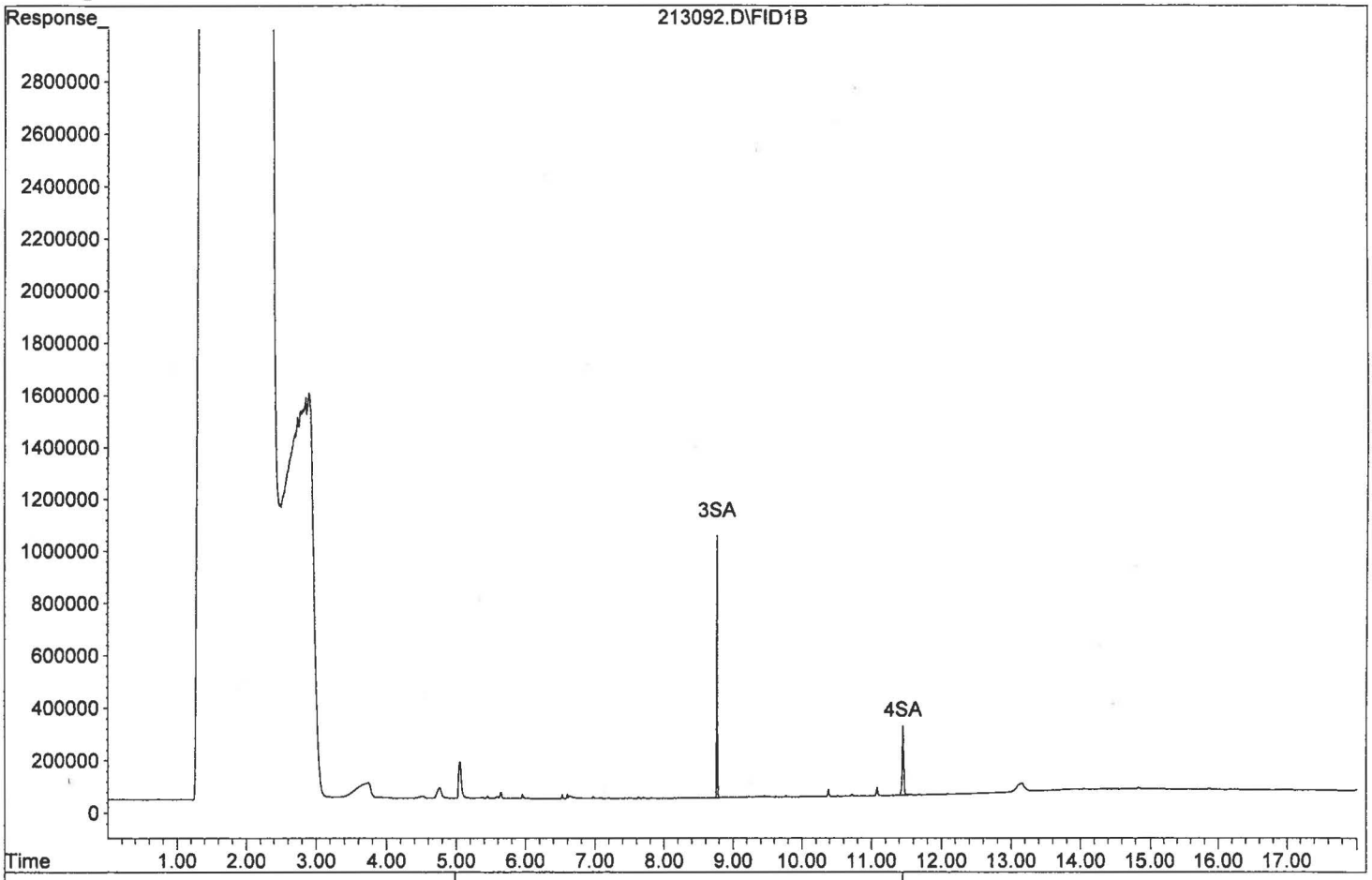
Data File : G:\APOLLO\DATA\110213\213092.D Vial: 92
Acq On : 2-15-11 23:15:21 Operator: LAC
Sample : AY30579W06 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Feb 17 15:56 2011 Quant Results File: TPHD0212.RES

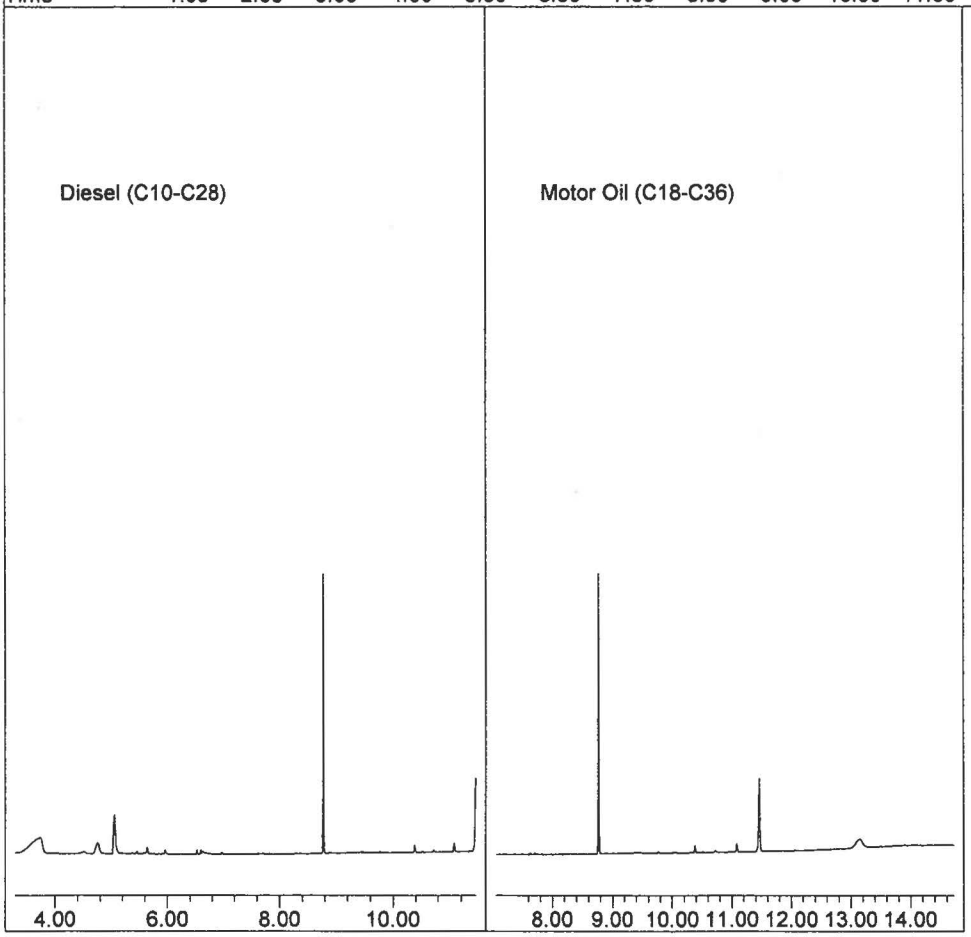
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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			

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

			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																
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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

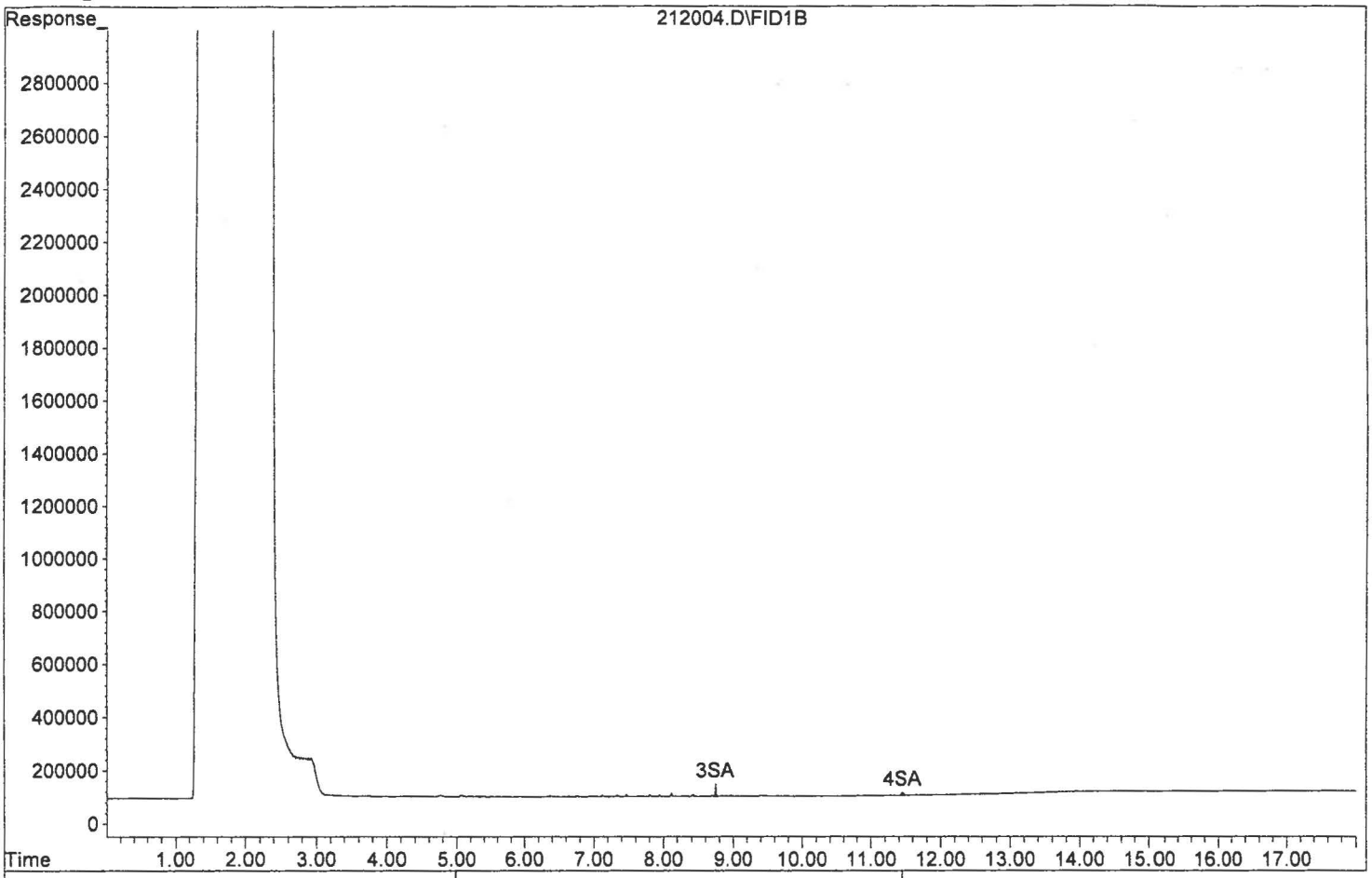
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

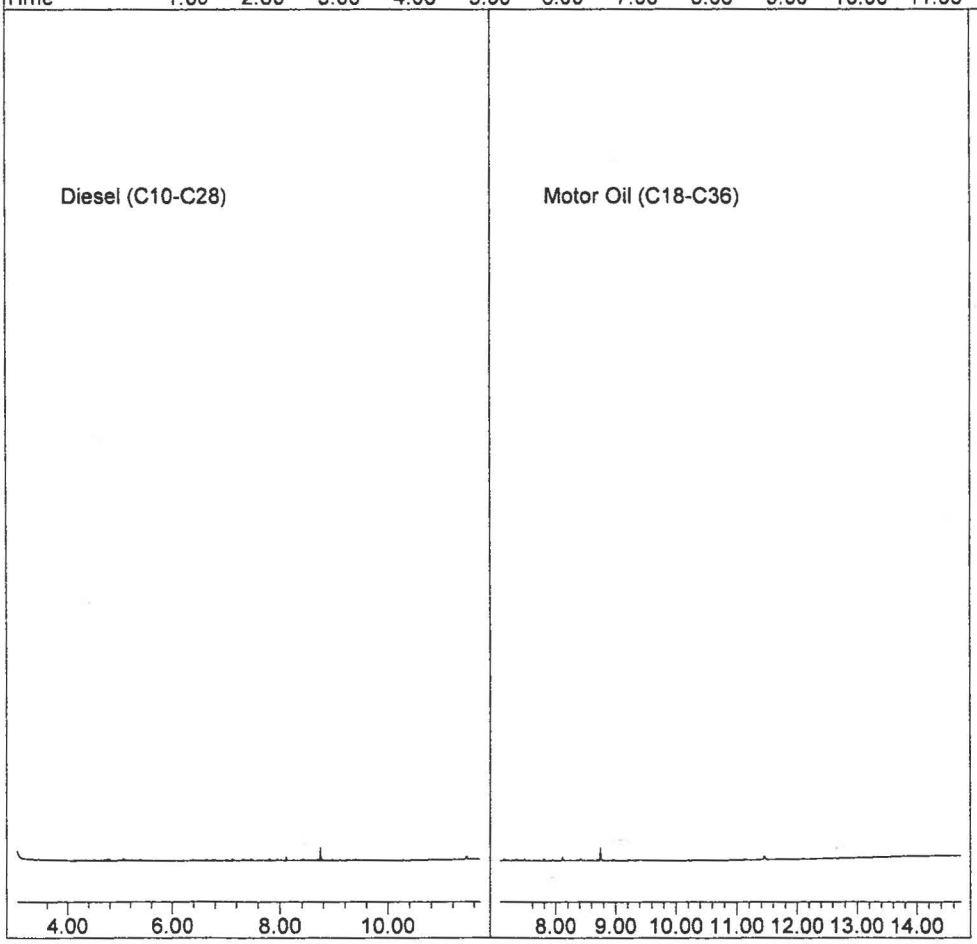
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	8.75	404545	0.455 ppb
Surrogate Spike 53.700	Recovery	=	0.85%
4) SA Octacosane(S)	11.45	246415	0.568 ppb
Surrogate Spike 74.300	Recovery	=	0.76%
Target Compounds			
1) HATM Diesel (C10-C28)	7.38	7148402	10.088 ppb

(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

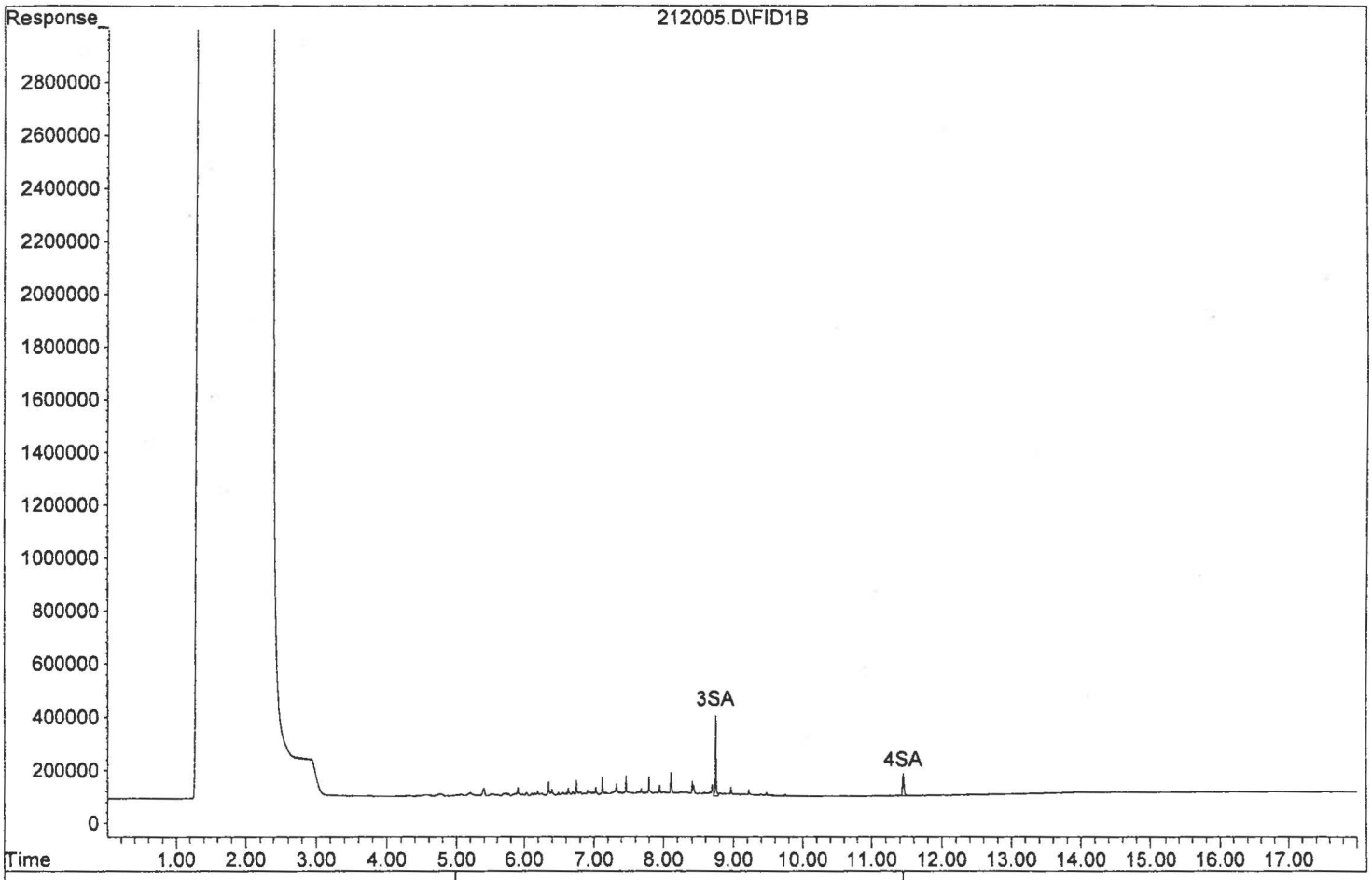
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

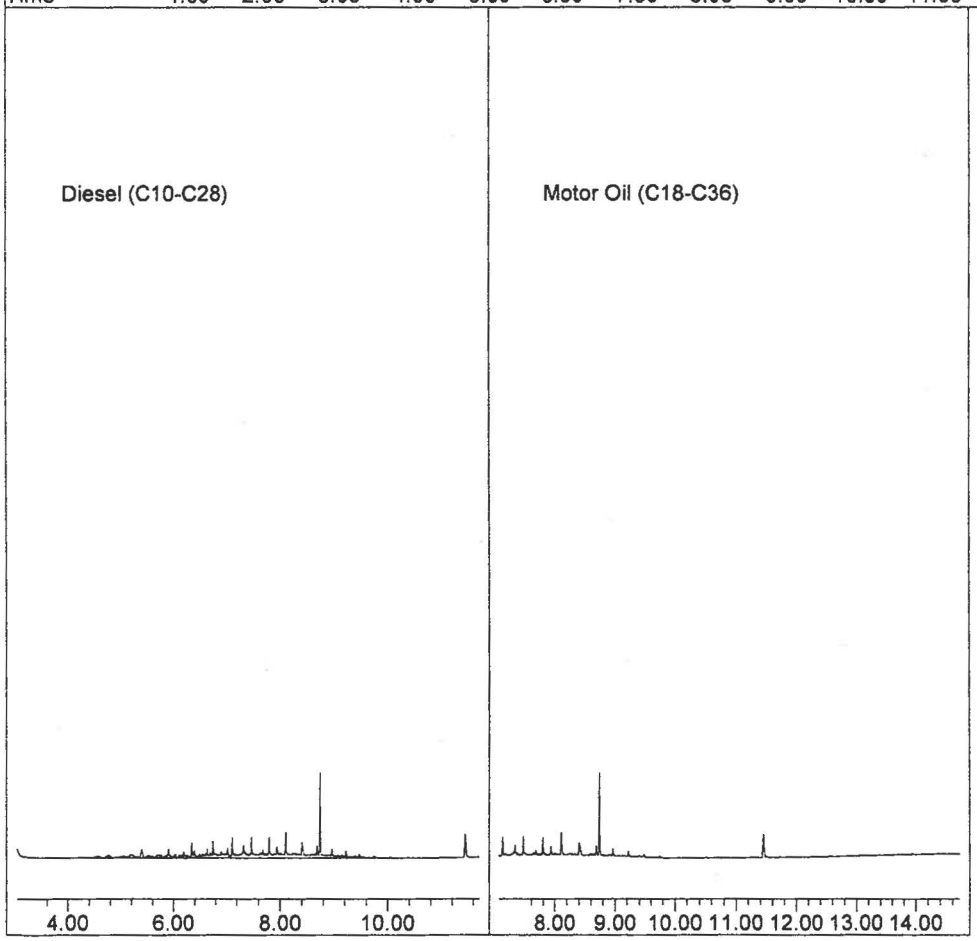
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

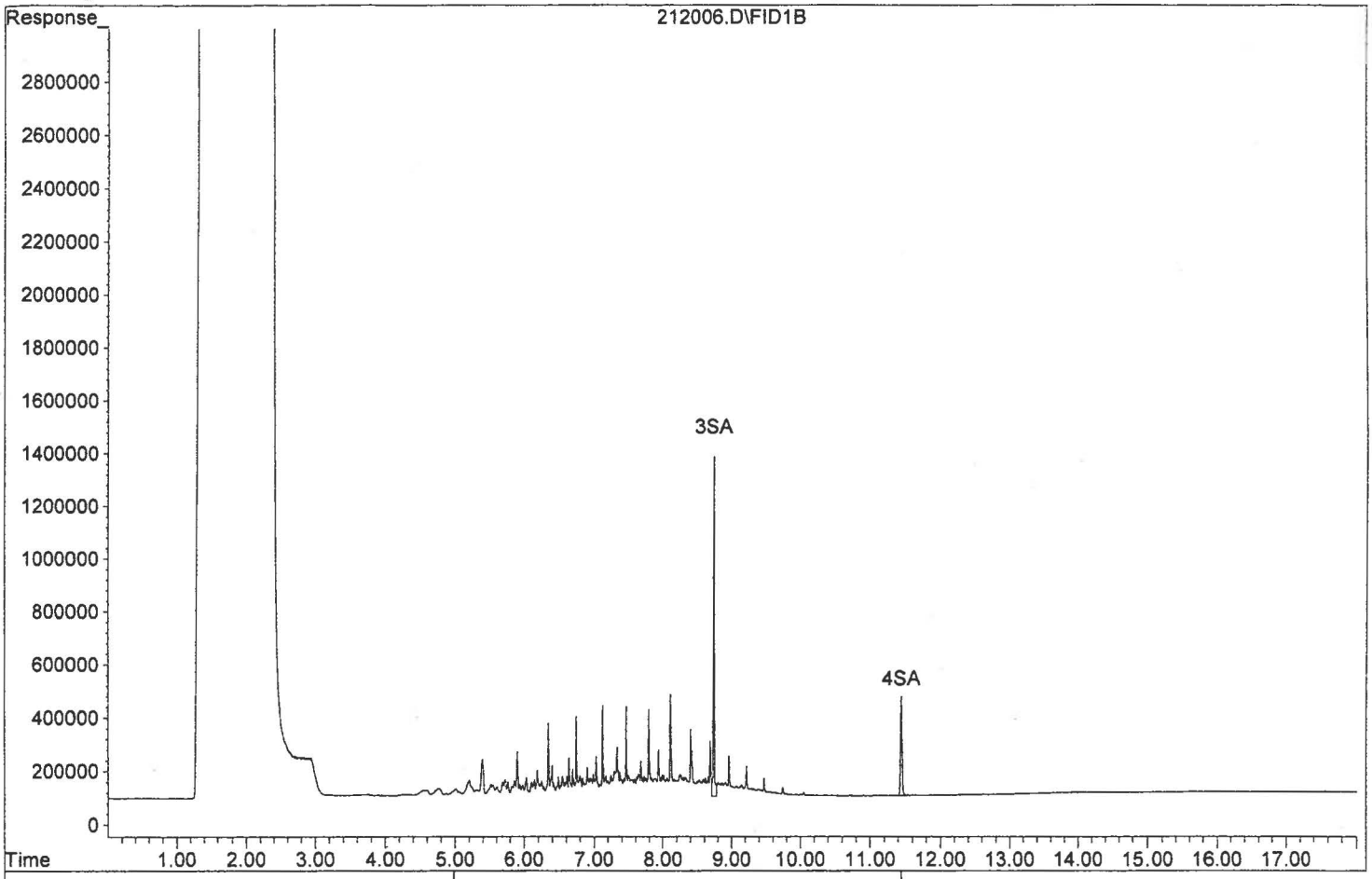
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

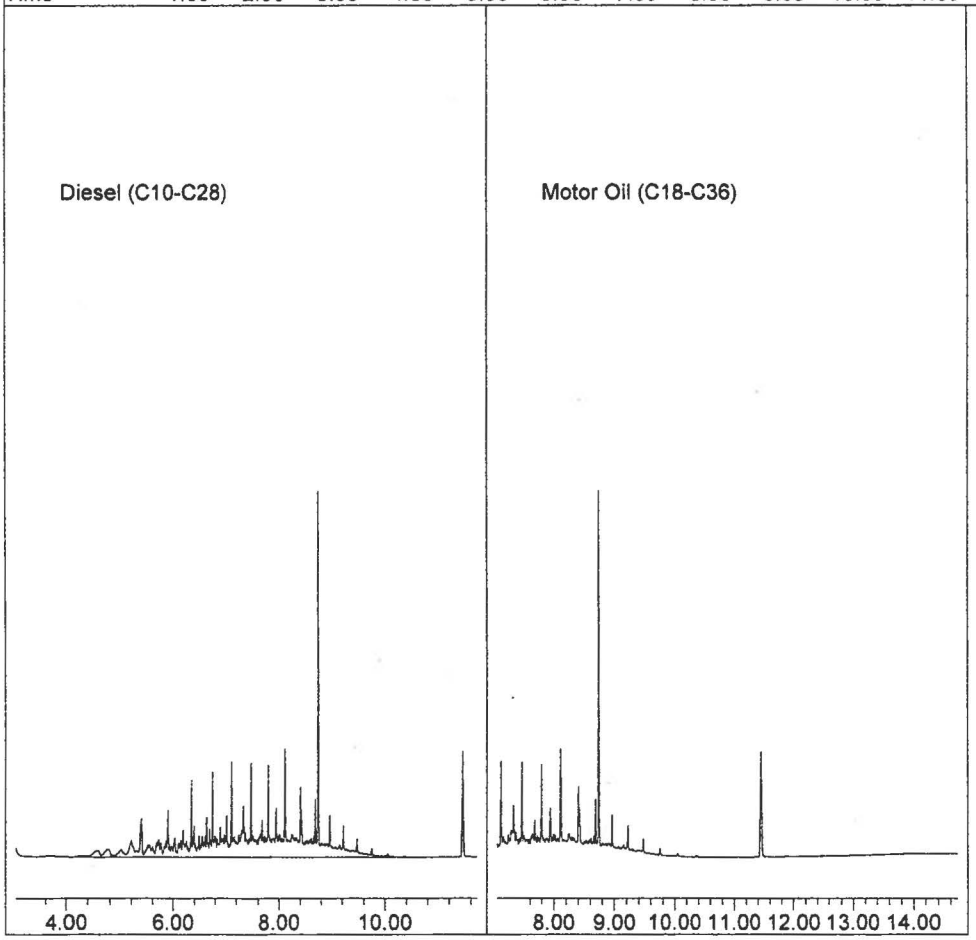
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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

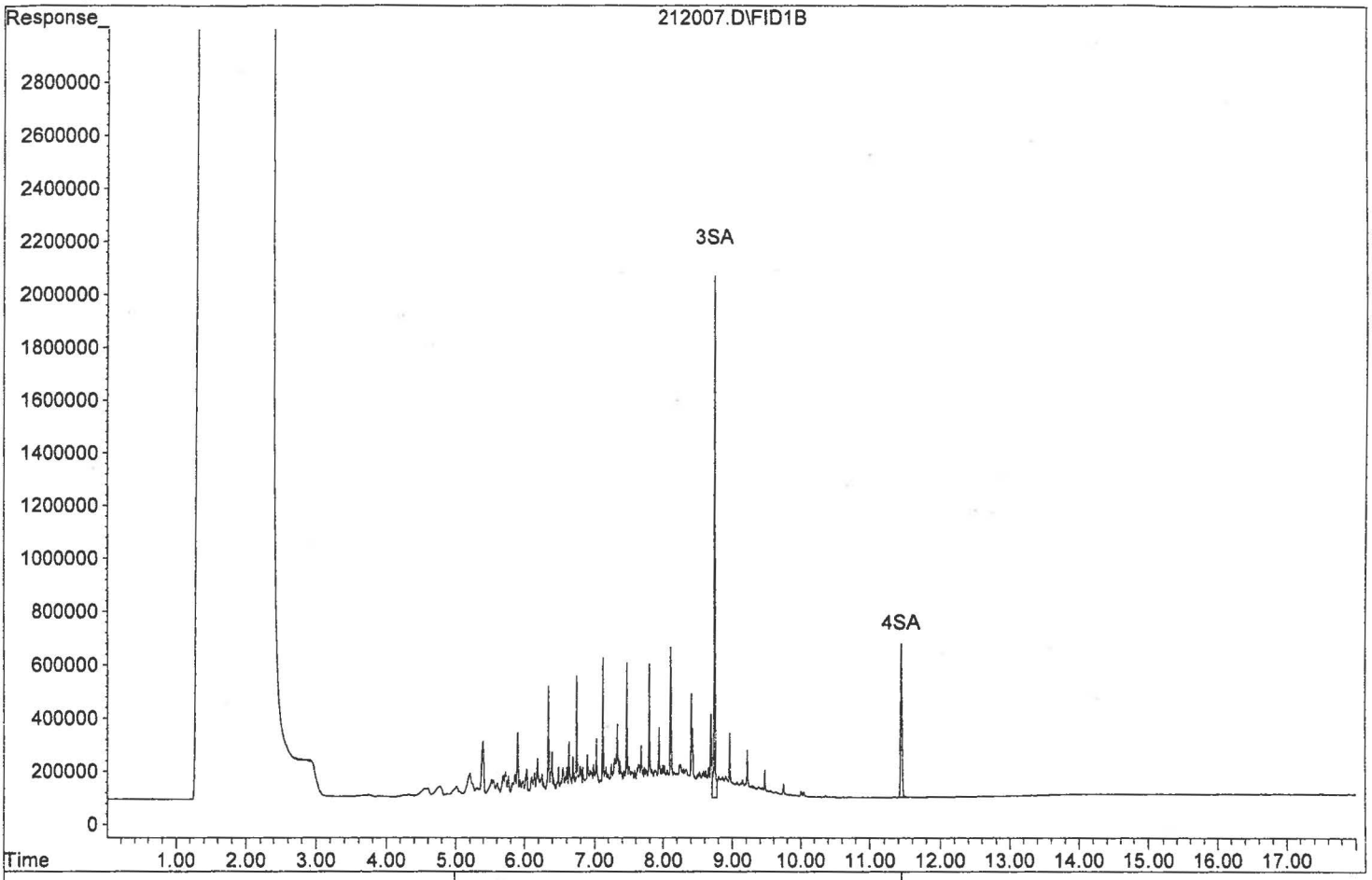
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

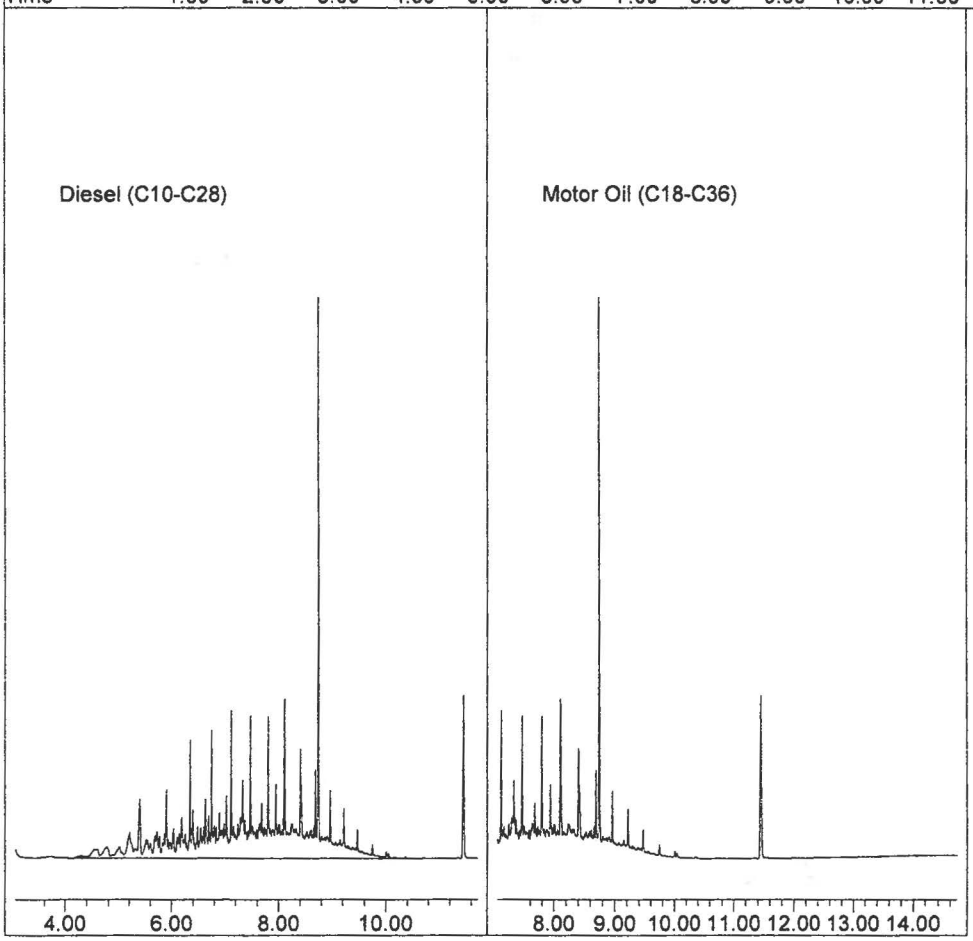
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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





Quantitation Report (Not Reviewed)

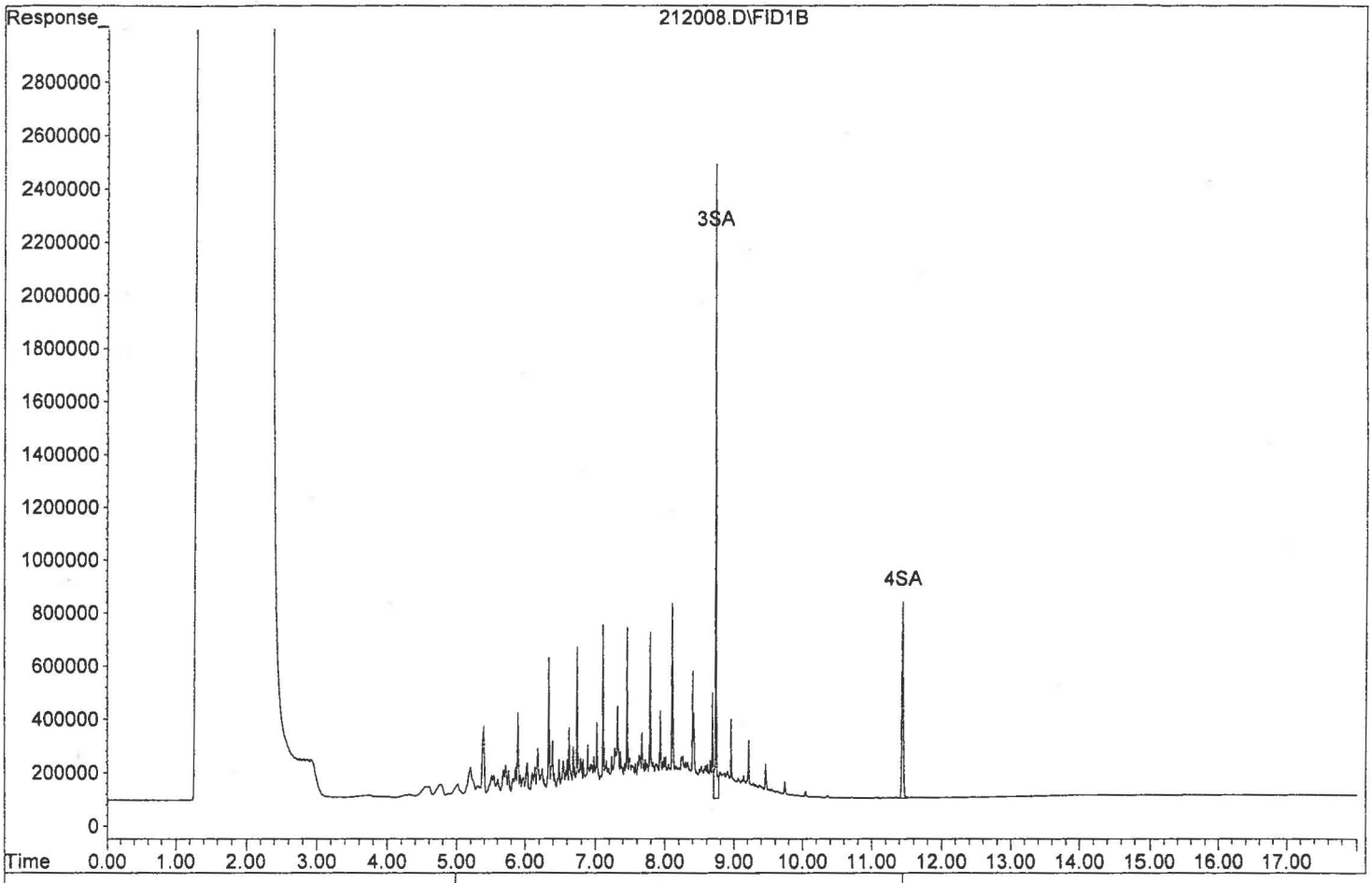
Data File : G:\APOLLO\DATA\110212\212008.D Vial: 8
Acq On : 2-12-11 16:32:01 Operator: LAC
Sample : DIESEL 800/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

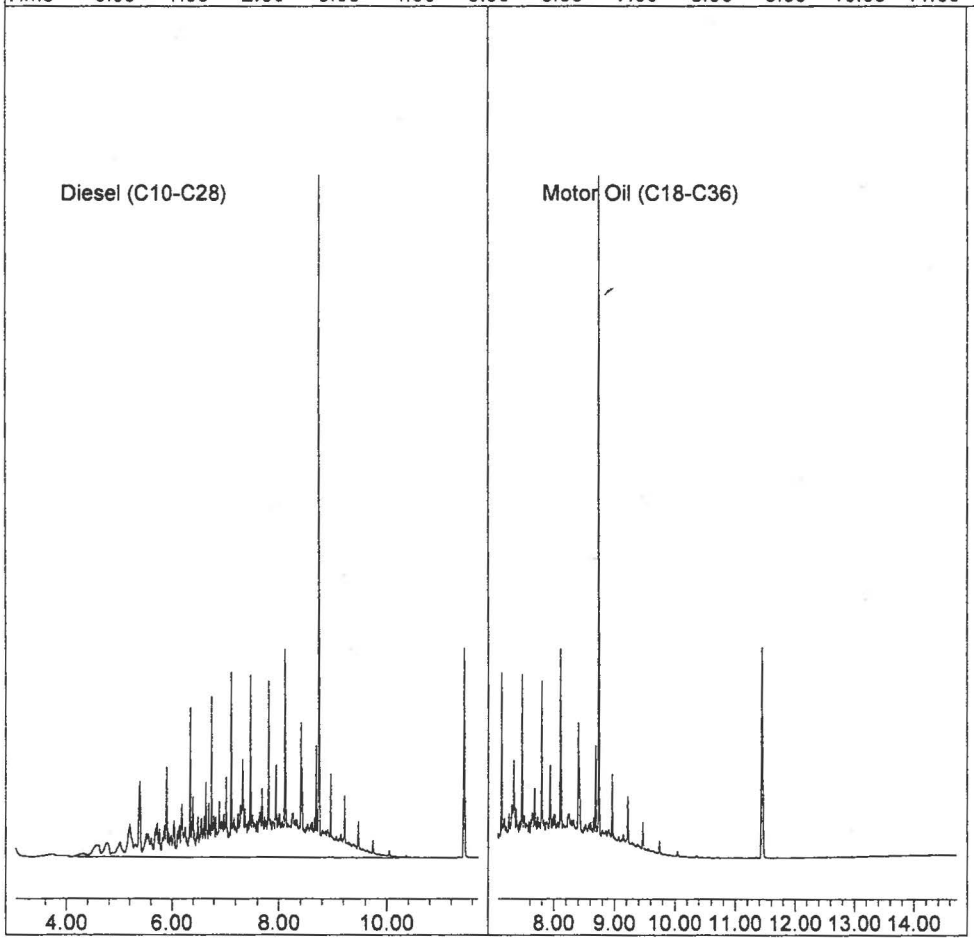
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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





Quantitation Report (Not Reviewed)

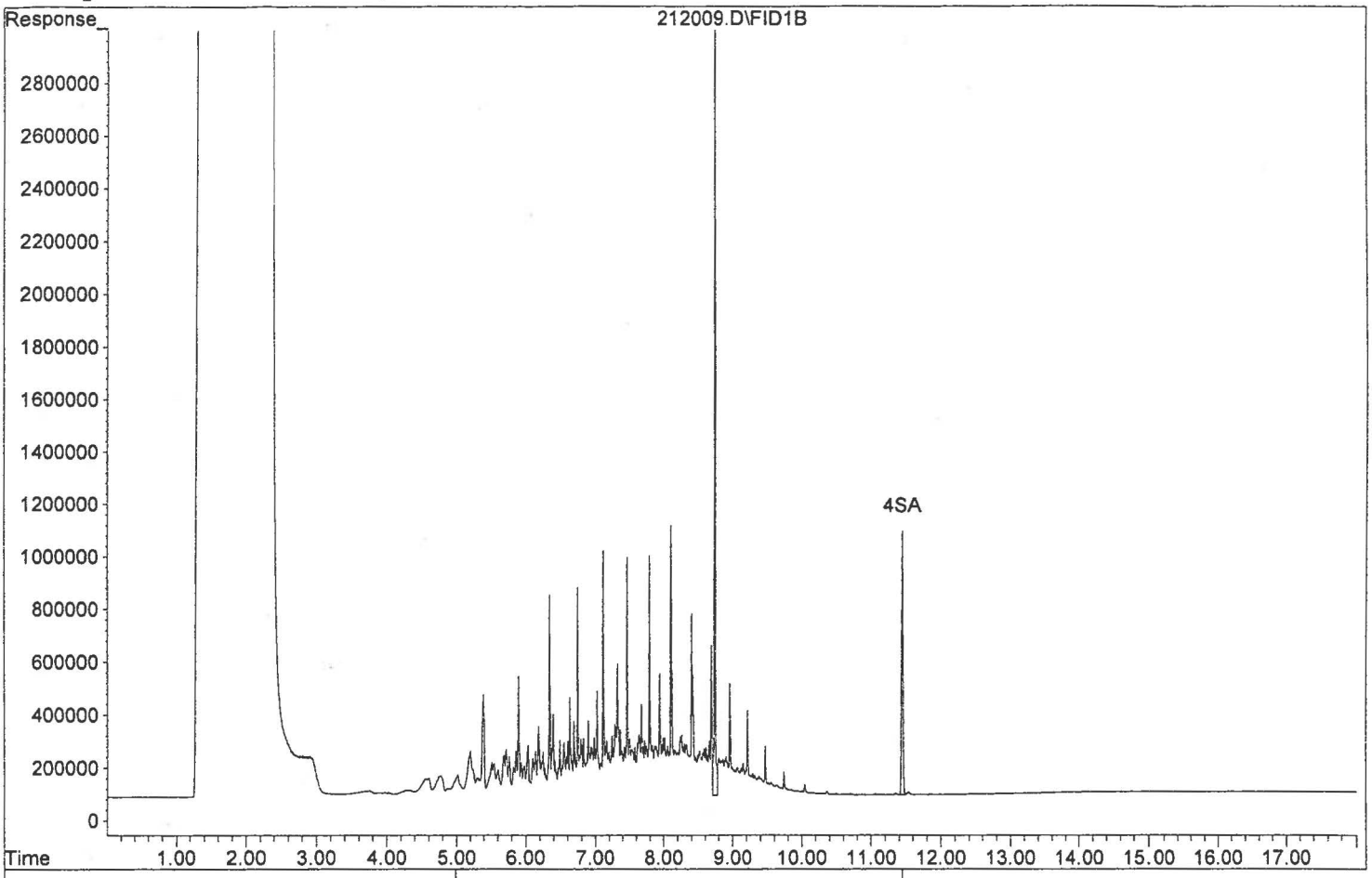
Data File : G:\APOLLO\DATA\110212\212009.D Vial: 9
Acq On : 2-12-11 16:56:56 Operator: LAC
Sample : DIESEL 1000/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 9:14 2011 Quant Results File: TPHD0212.RES

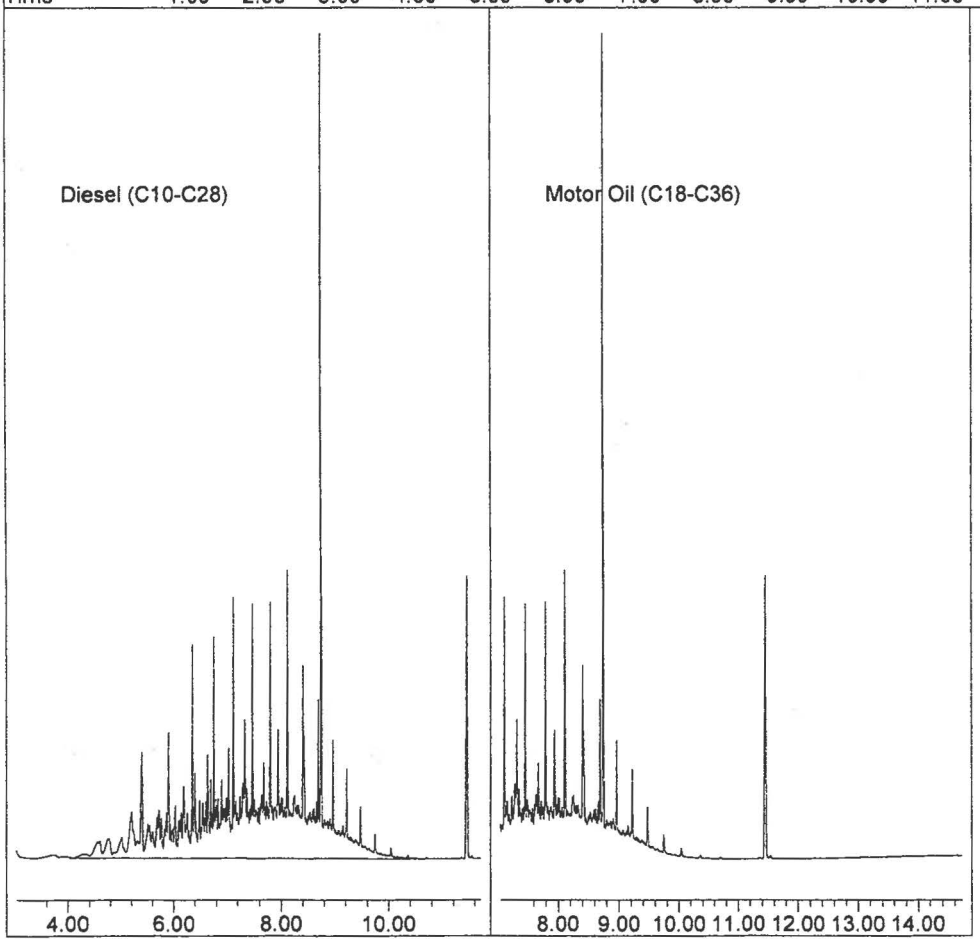
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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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15							
16							
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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

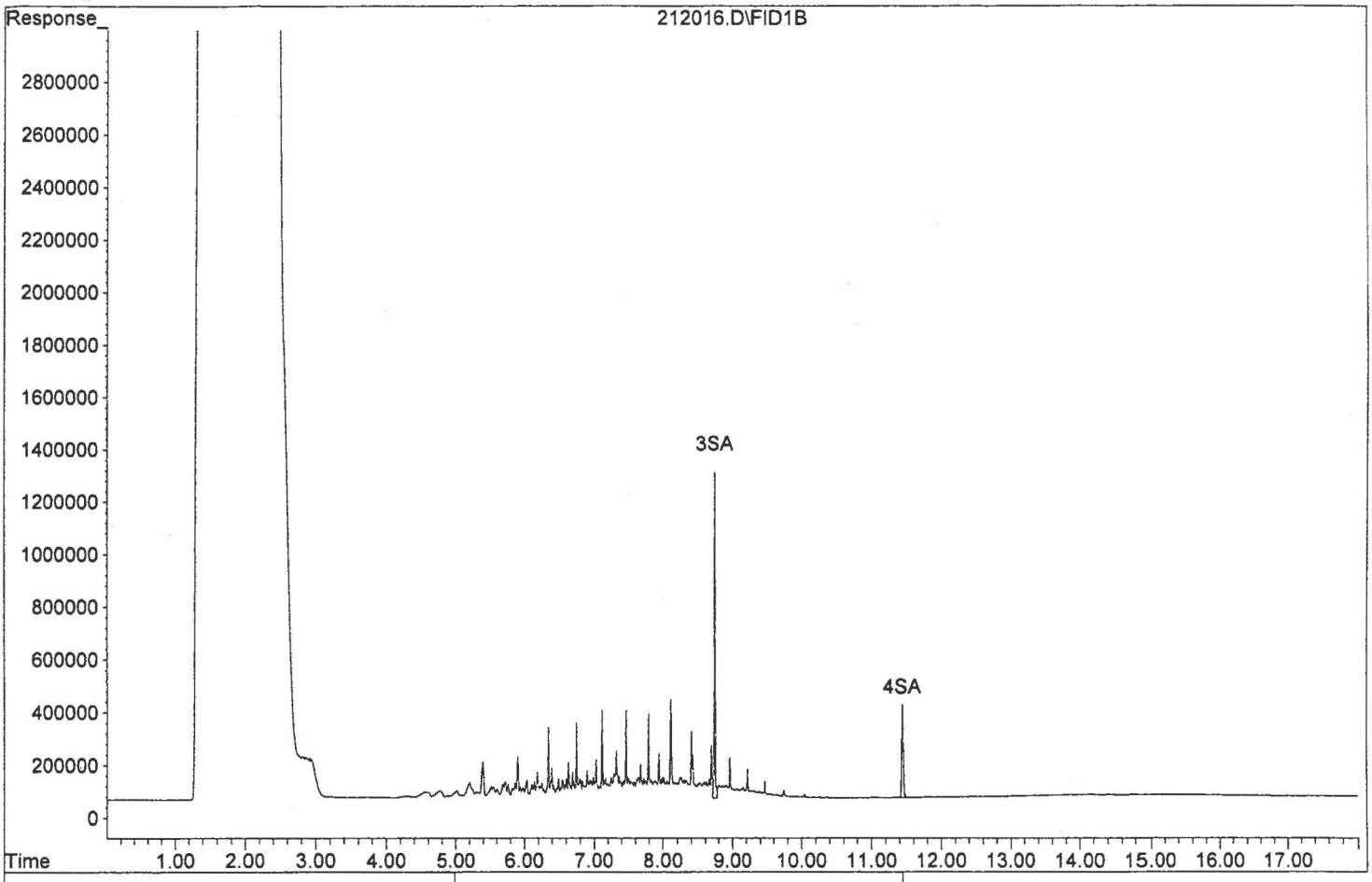
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

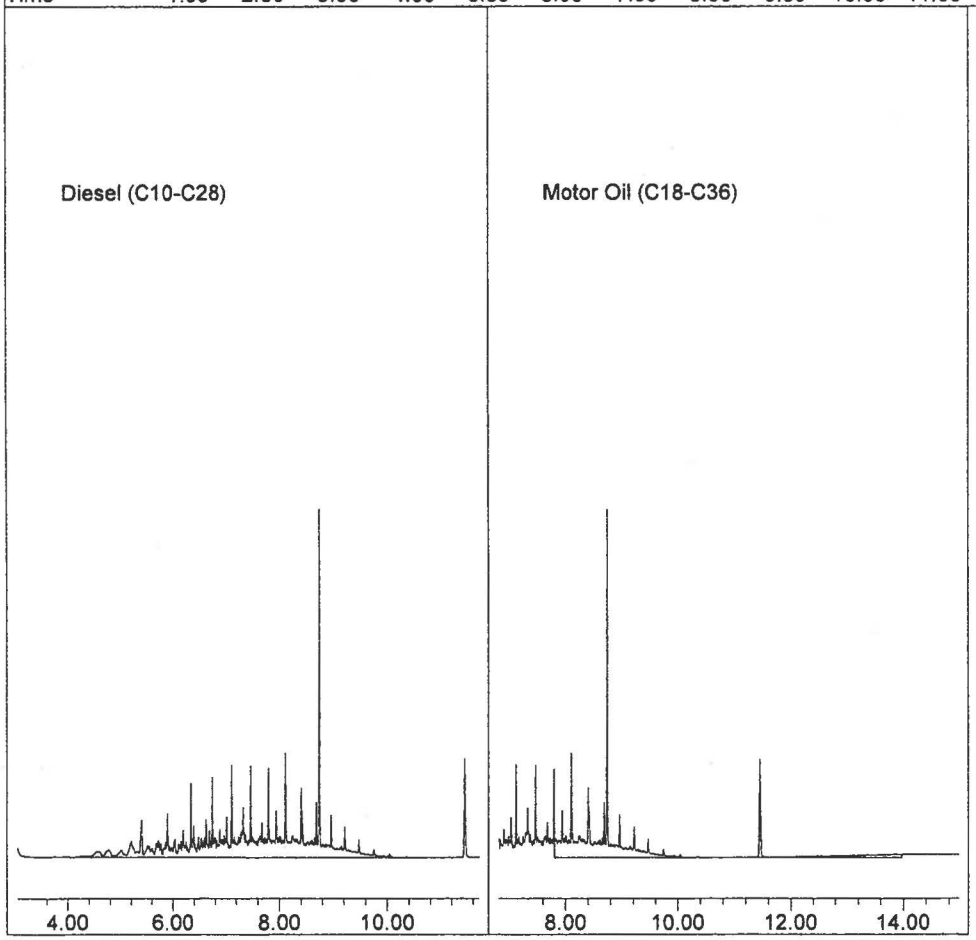
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

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							
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36							
37							
38							
39							
40							
		Average			23.0		

Quantitation Report (Not Reviewed)

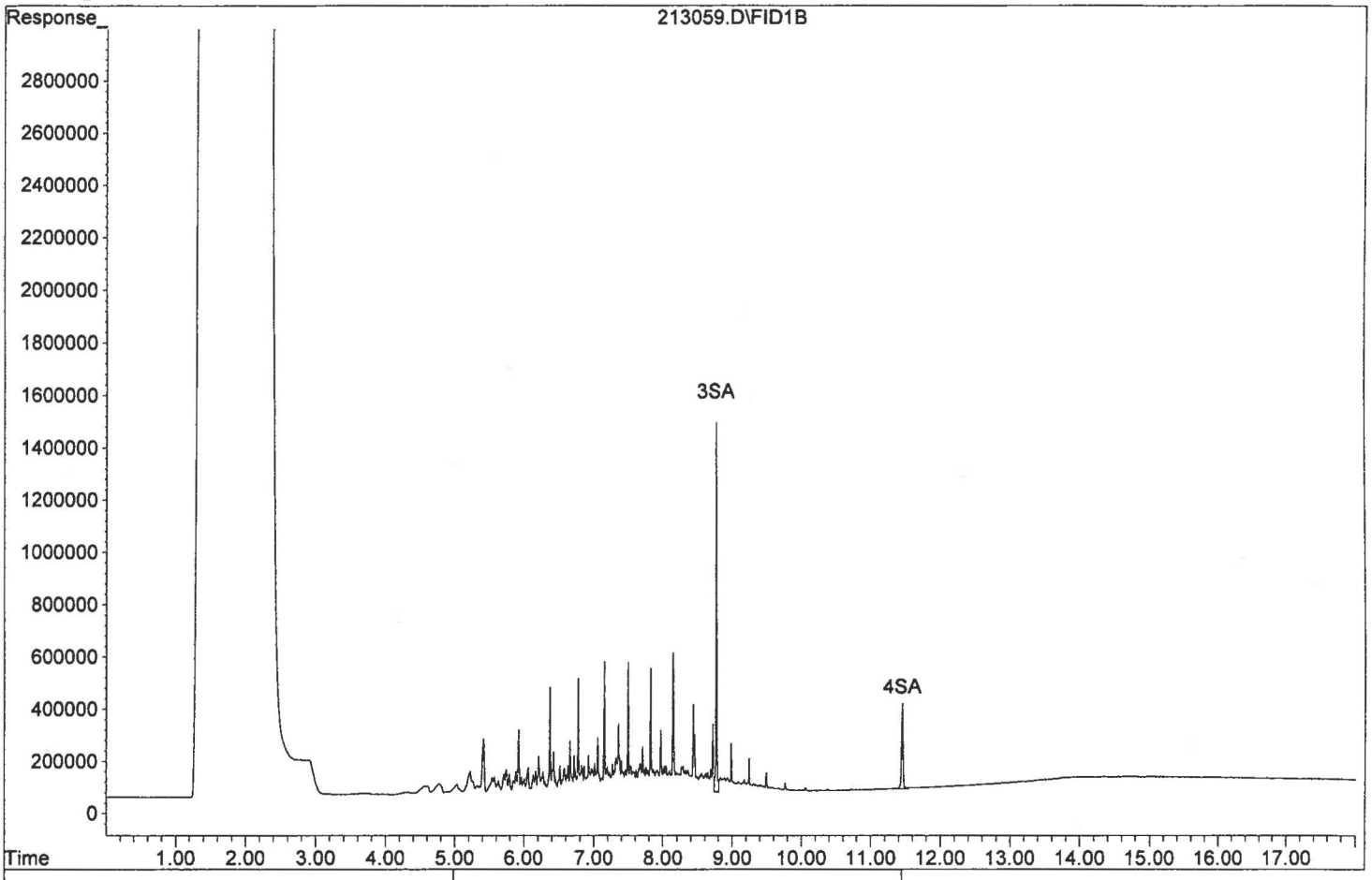
Data File : G:\APOLLO\DATA\110213\213059.D Vial: 59
Acq On : 2-15-11 9:50:04 Operator: LAC
Sample : DIESEL 600/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 16:33 2011 Quant Results File: TPHD0212.RES

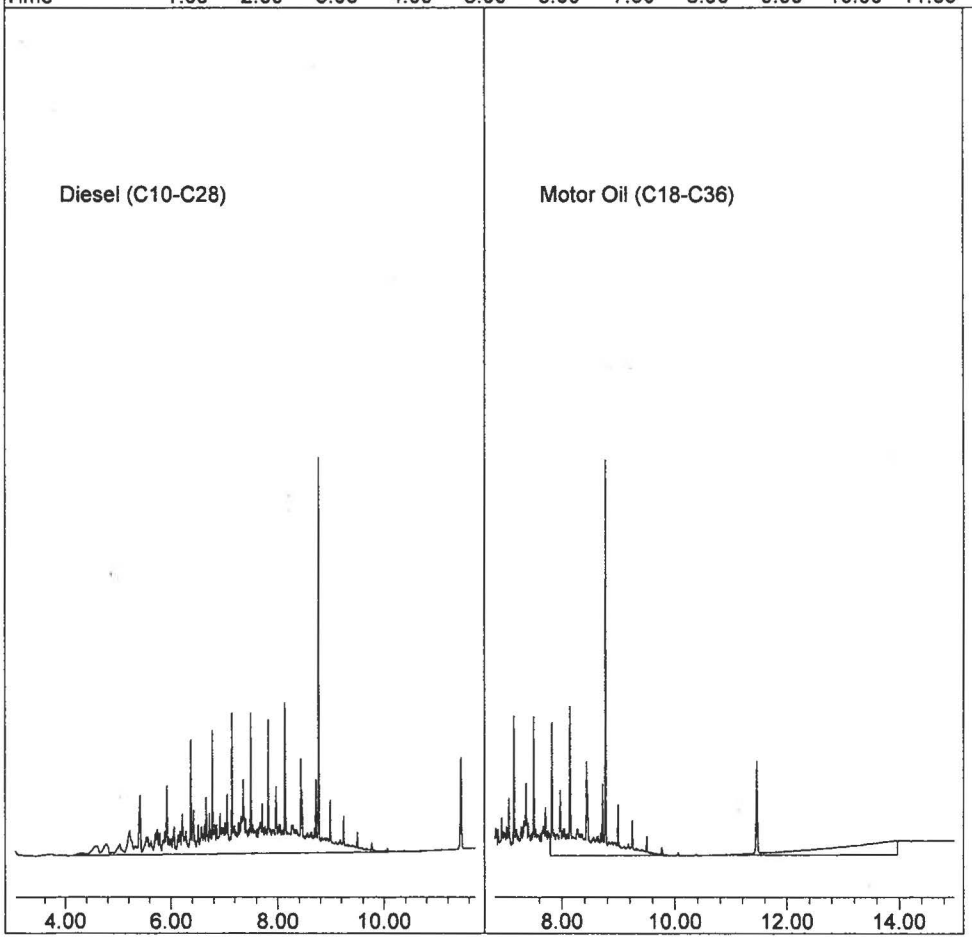
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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							
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7							
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36							
37							
38							
39							
40							
		Average			4.5		

Quantitation Report (Not Reviewed)

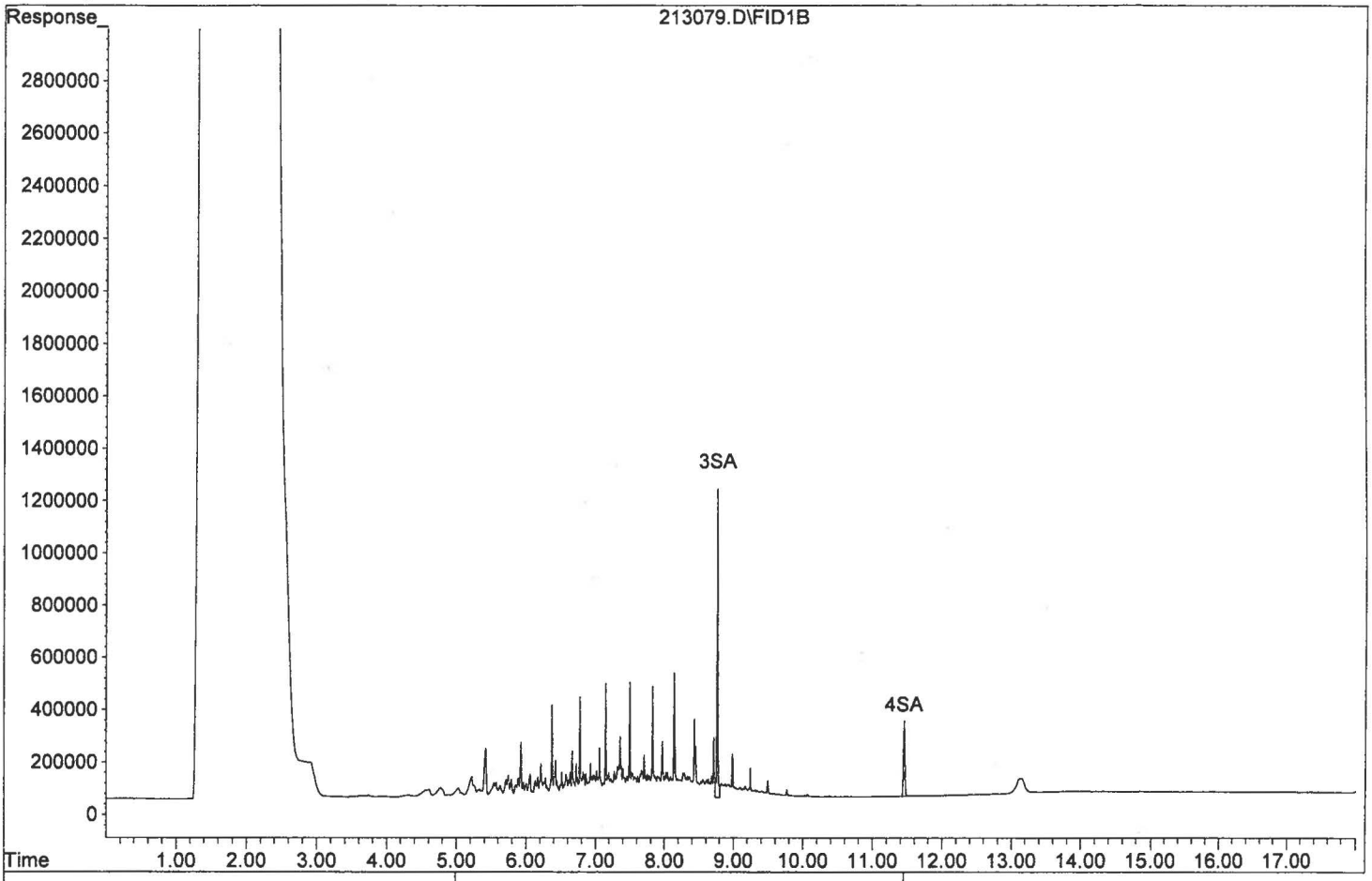
Data File : G:\APOLLO\DATA\110213\213079.D Vial: 79
Acq On : 2-15-11 18:04:53 Operator: LAC
Sample : DIESEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 16:35 2011 Quant Results File: TPHD0212.RES

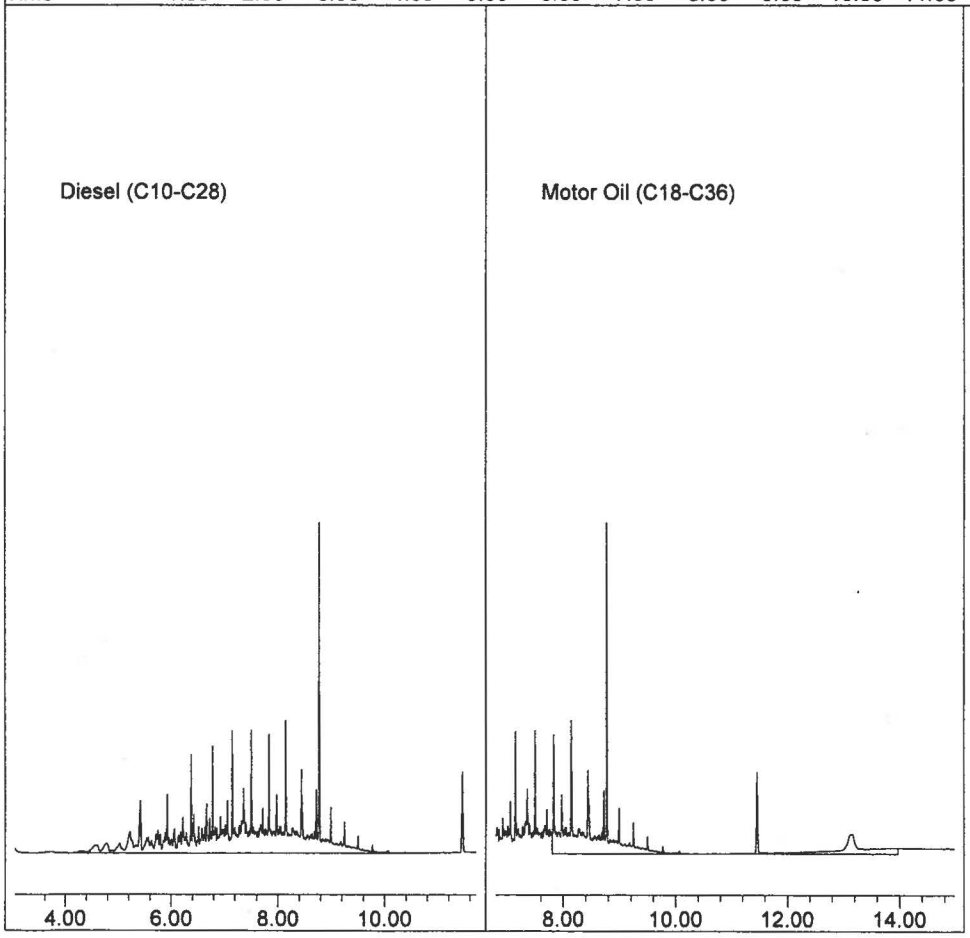
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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							
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31							
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33							
34							
35							
36							
37							
38							
39							
40							
		Average			29.0		

Quantitation Report (Not Reviewed)

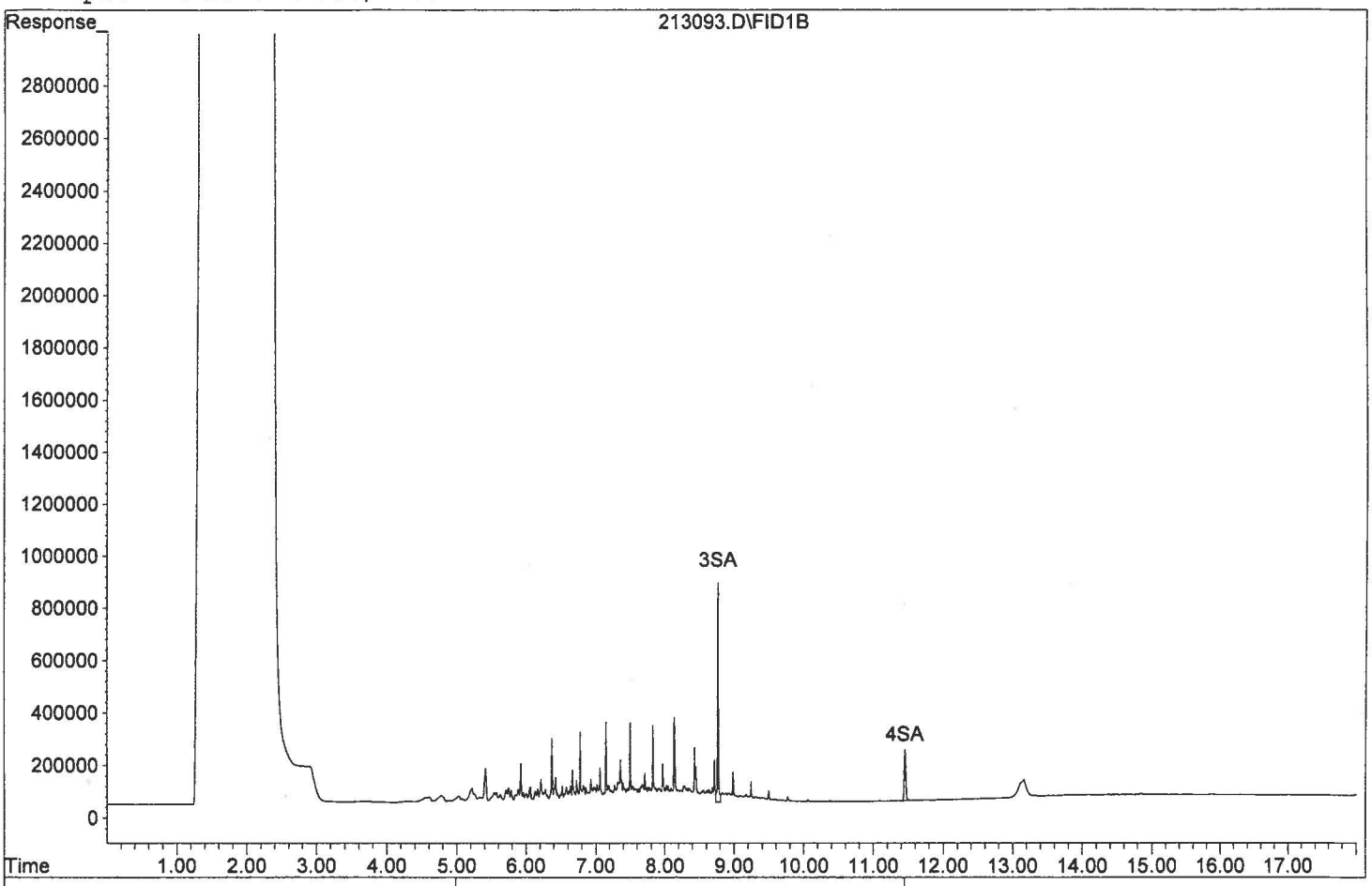
Data File : G:\APOLLO\DATA\110213\213093.D Vial: 93
Acq On : 2-15-11 23:39:09 Operator: LAC
Sample : DIESEL 400/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 16:37 2011 Quant Results File: TPHD0212.RES

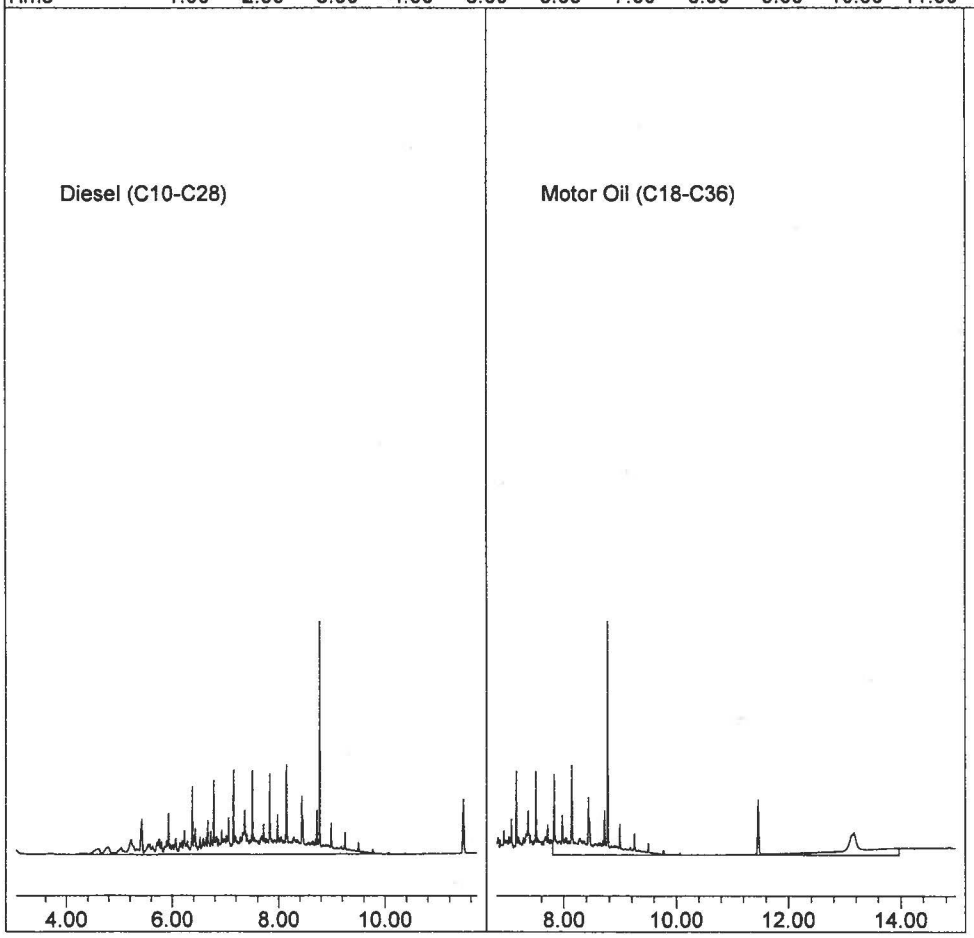
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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							
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16							
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29							
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31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			2.1		

Quantitation Report (Not Reviewed)

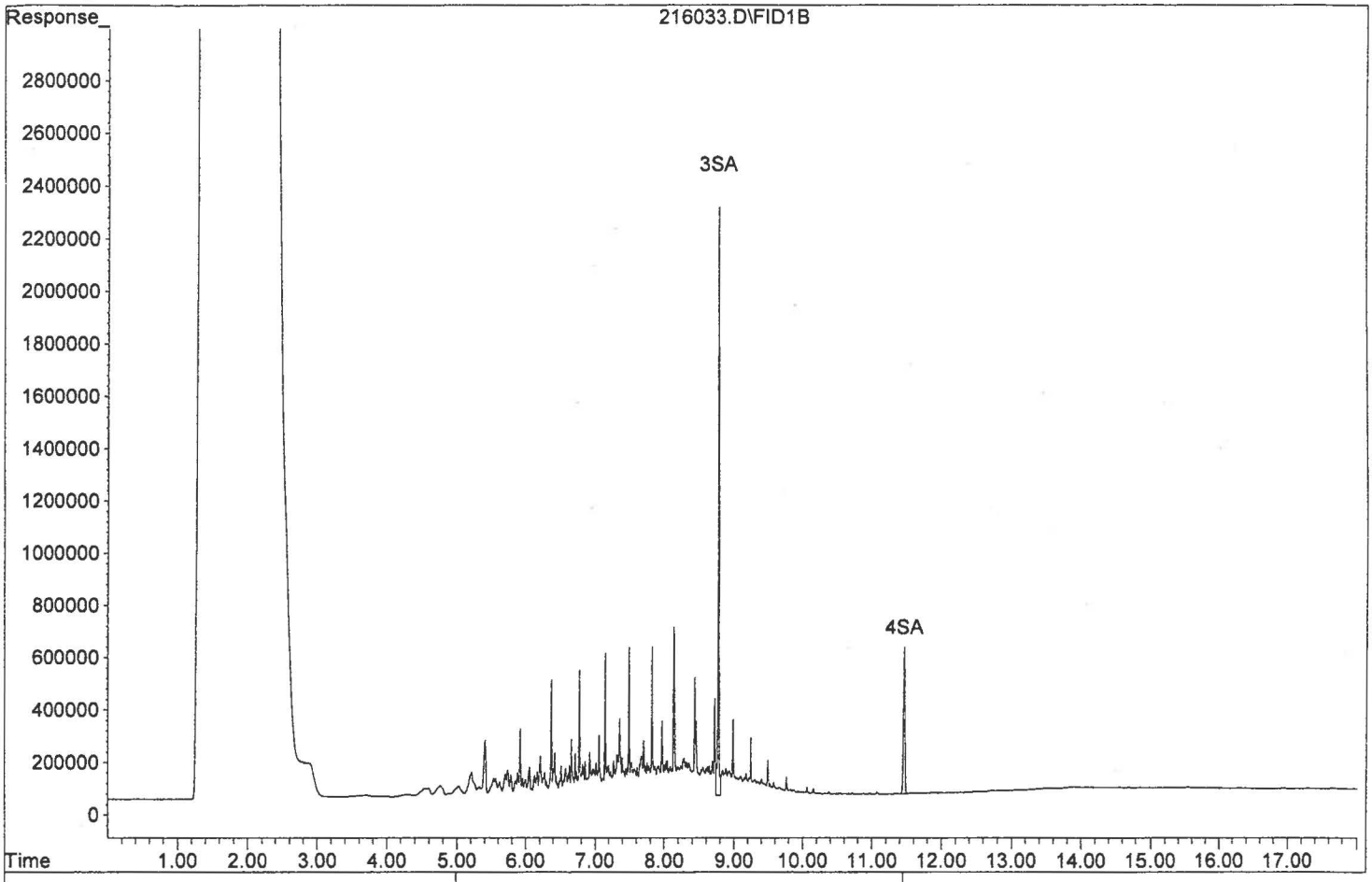
Data File : G:\APOLLO\DATA\110216\216033.D Vial: 33
Acq On : 2-17-11 8:53:40 Operator: LAC
Sample : DIESEL 600/1000 Inst : Apollo
Misc : Mix(A) Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 17 15:02 2011 Quant Results File: TPHD0212.RES

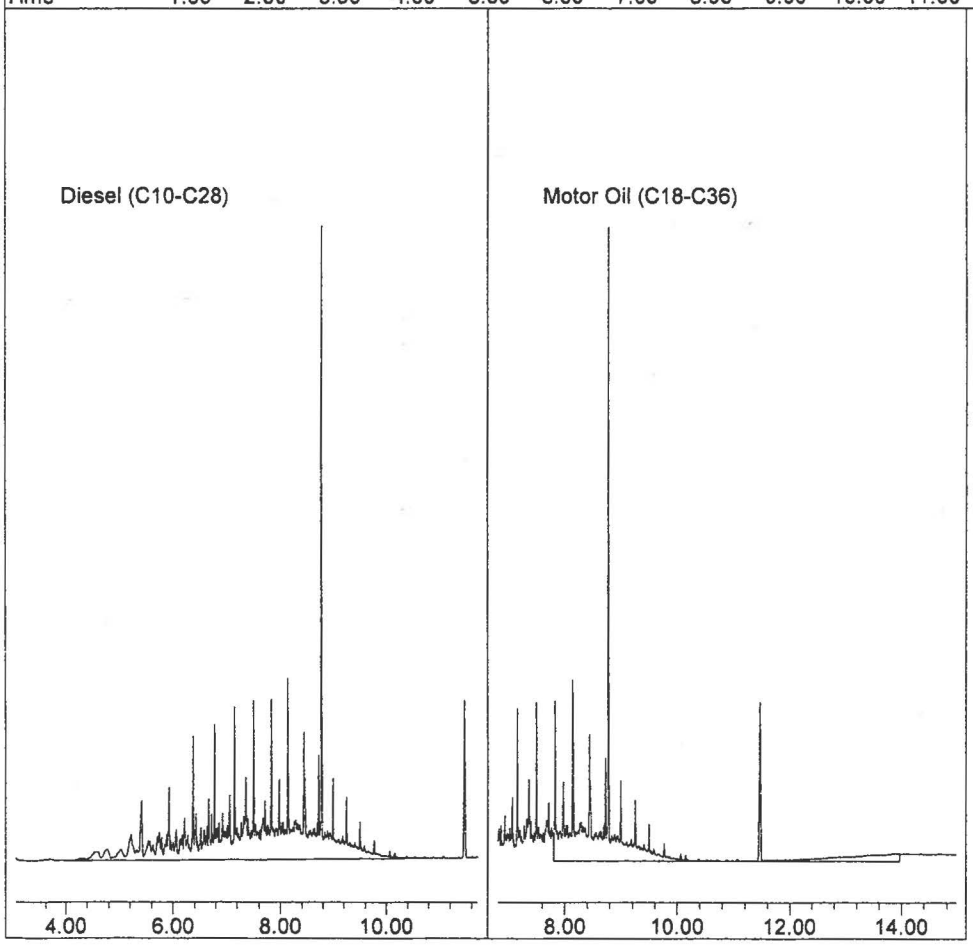
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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							
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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

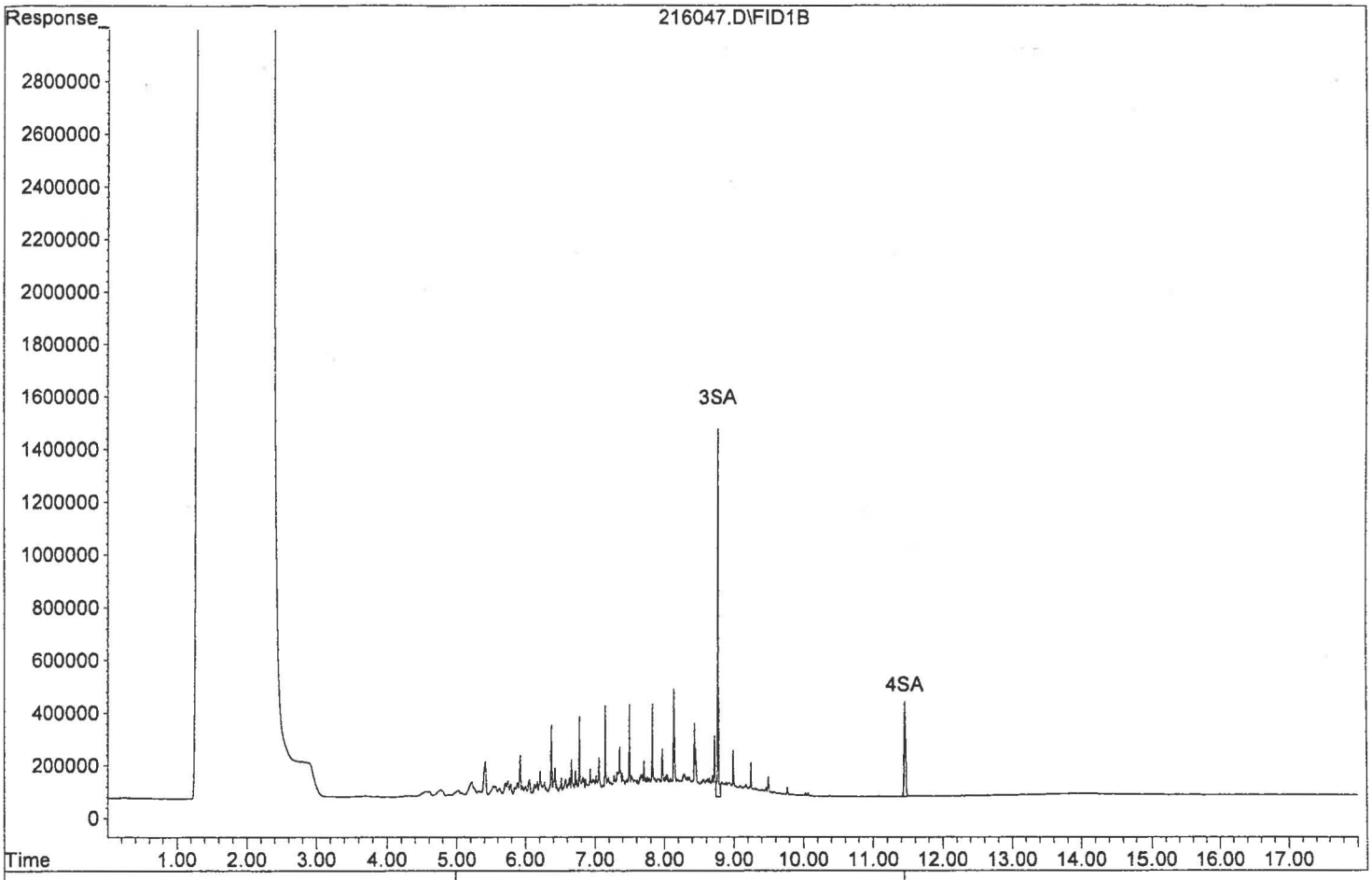
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

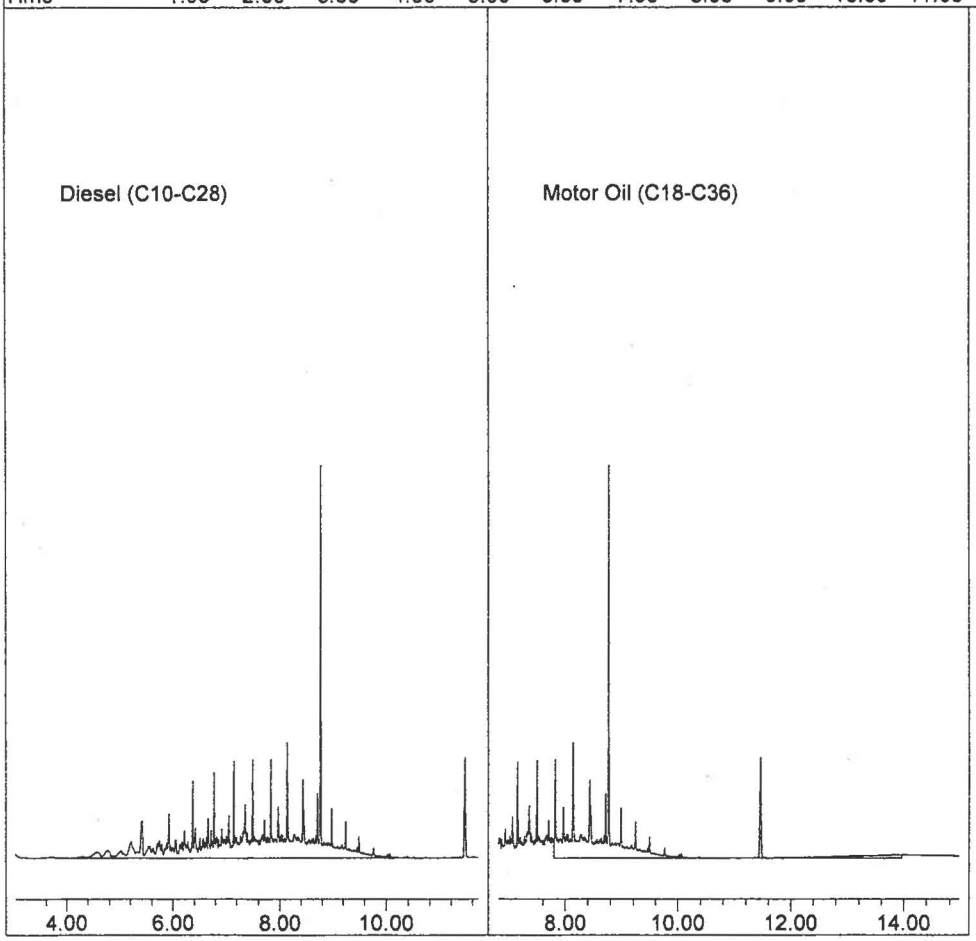
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

(f)=RT Delta > 1/2 Window 69 (m)=manual int.

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)

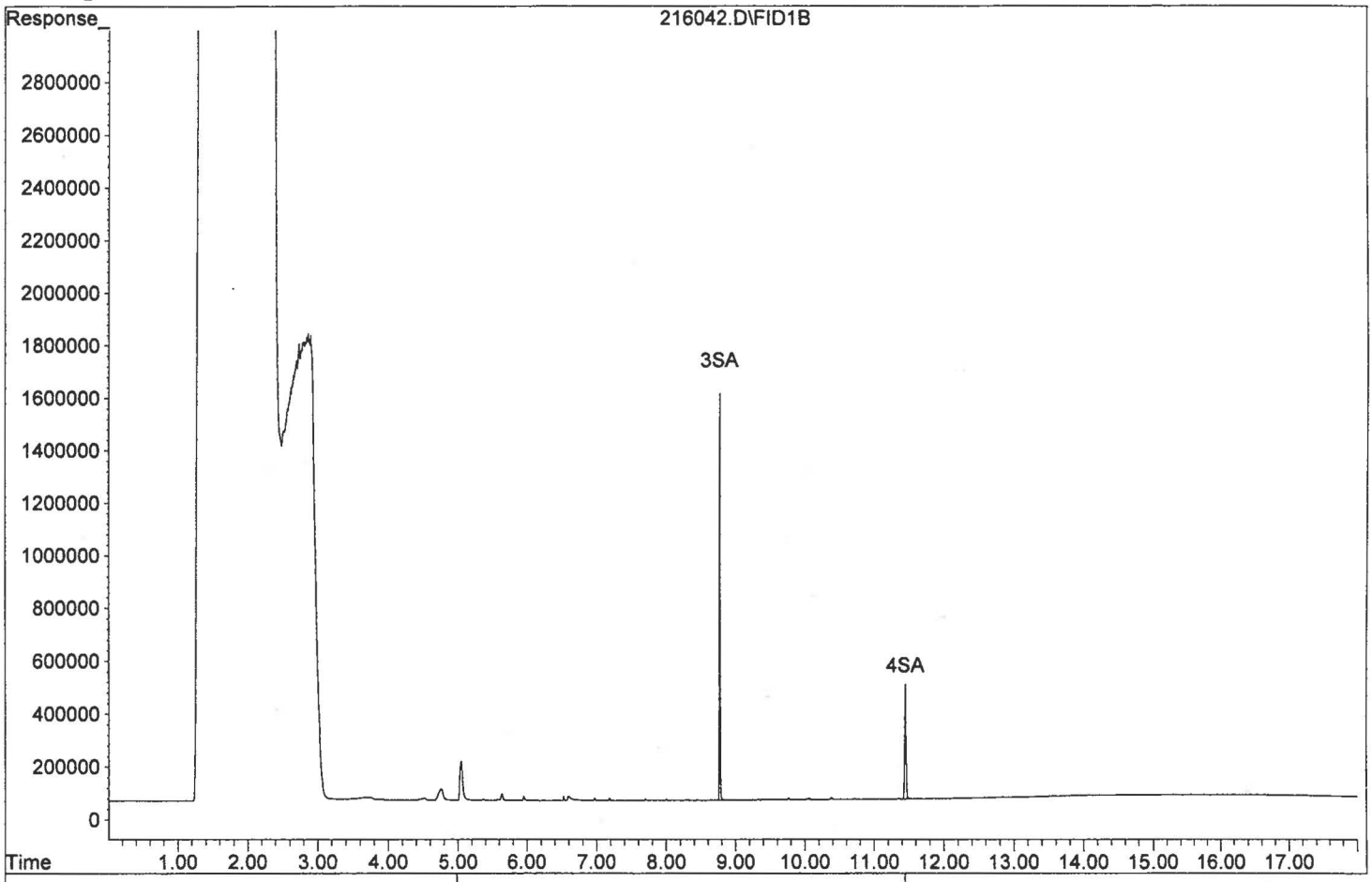
Data File : G:\APOLLO\DATA\110216\216042.D Vial: 42
Acq On : 2-17-11 12:27:25 Operator: LAC
Sample : 110127A BLK 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Feb 17 16:10 2011 Quant Results File: TPHD0212.RES

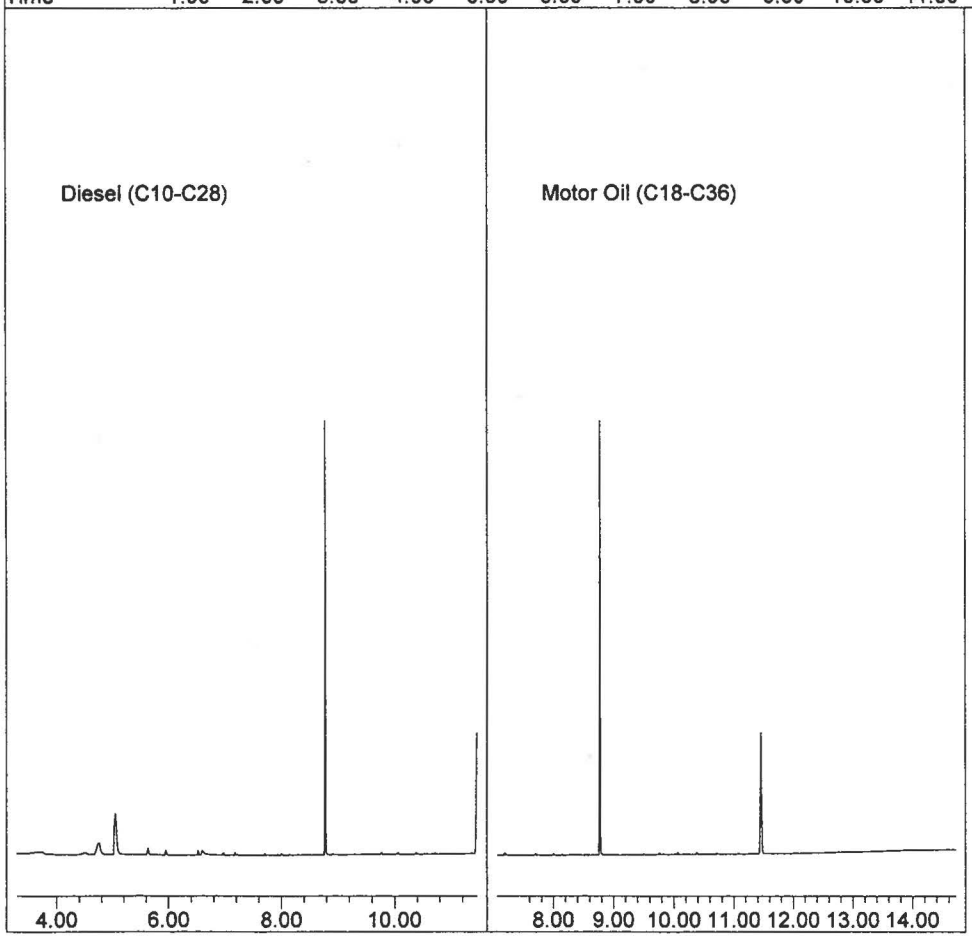
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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			

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)

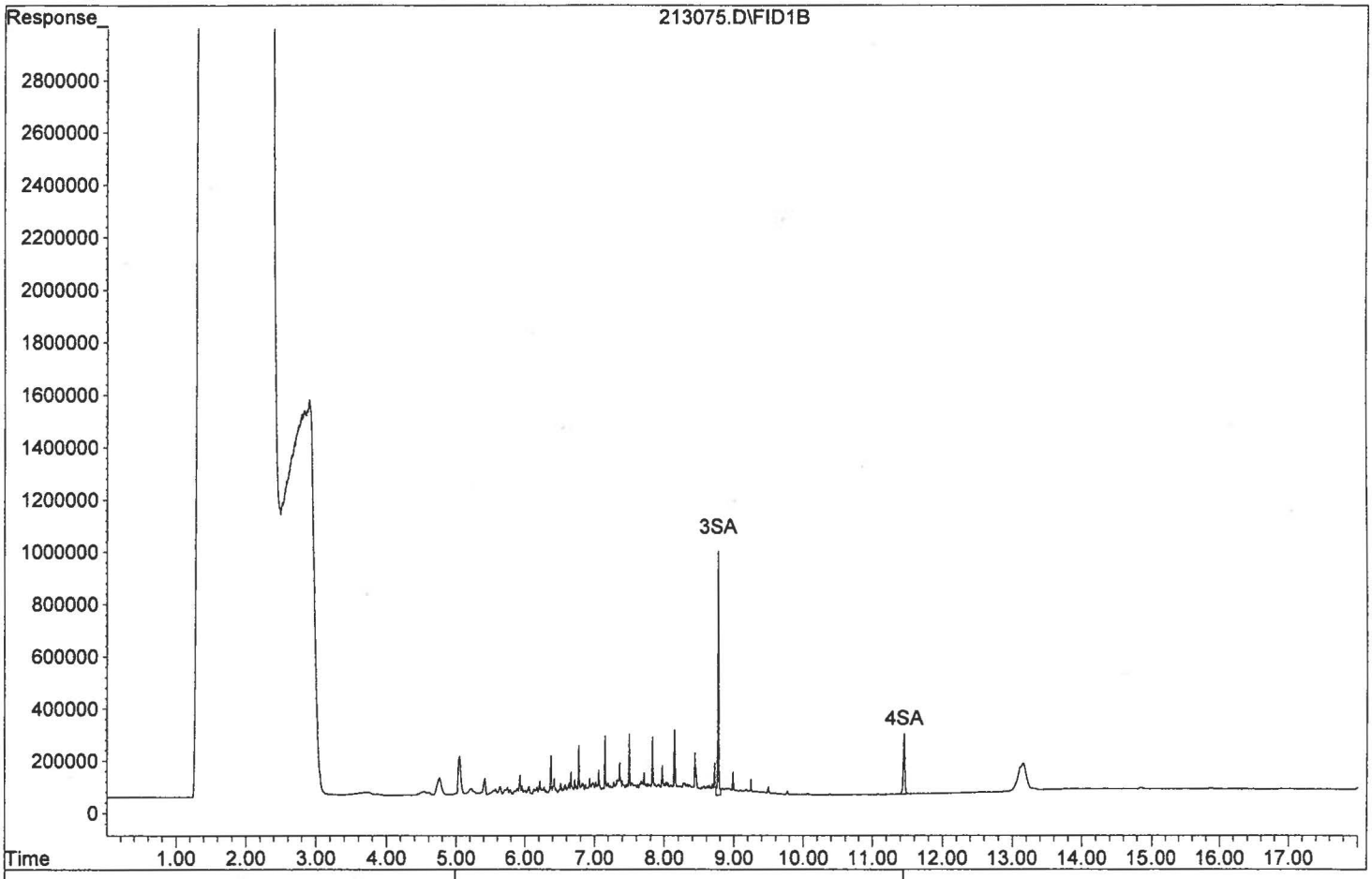
Data File : G:\APOLLO\DATA\110213\213075.D Vial: 75
Acq On : 2-15-11 16:25:03 Operator: LAC
Sample : 110127A LCS-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Feb 15 16:45 2011 Quant Results File: TPHD0212.RES

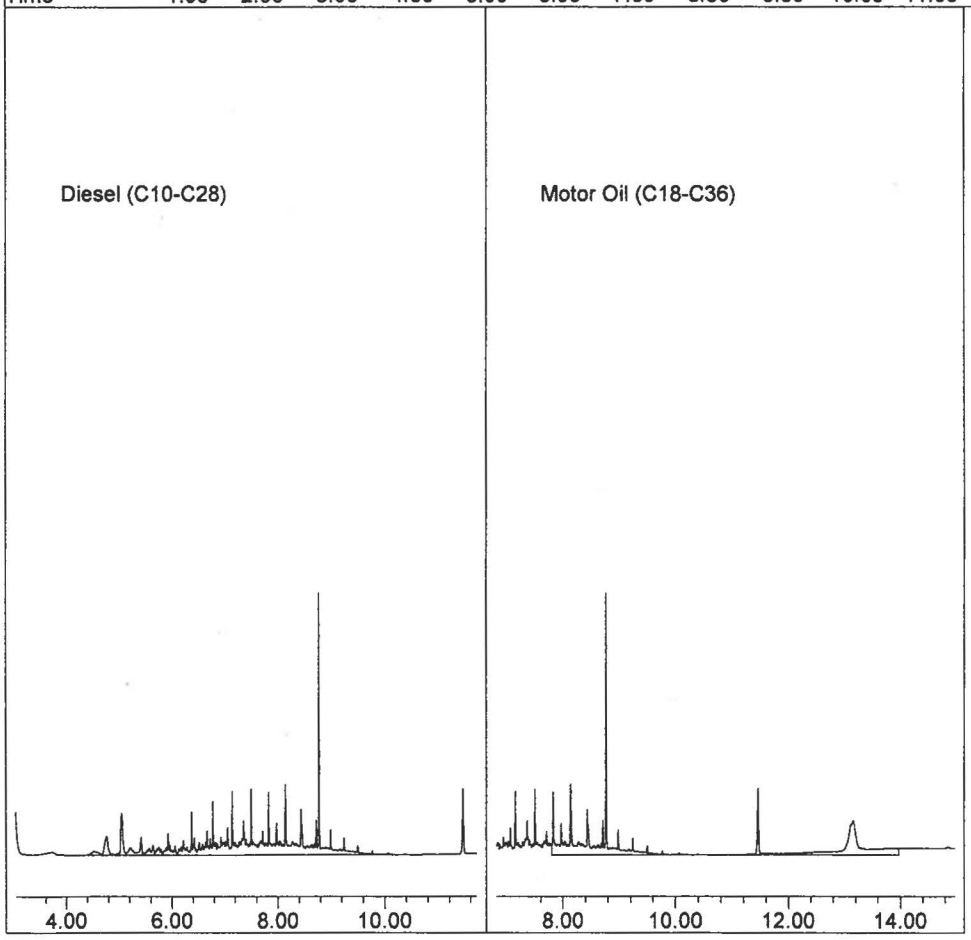
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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)

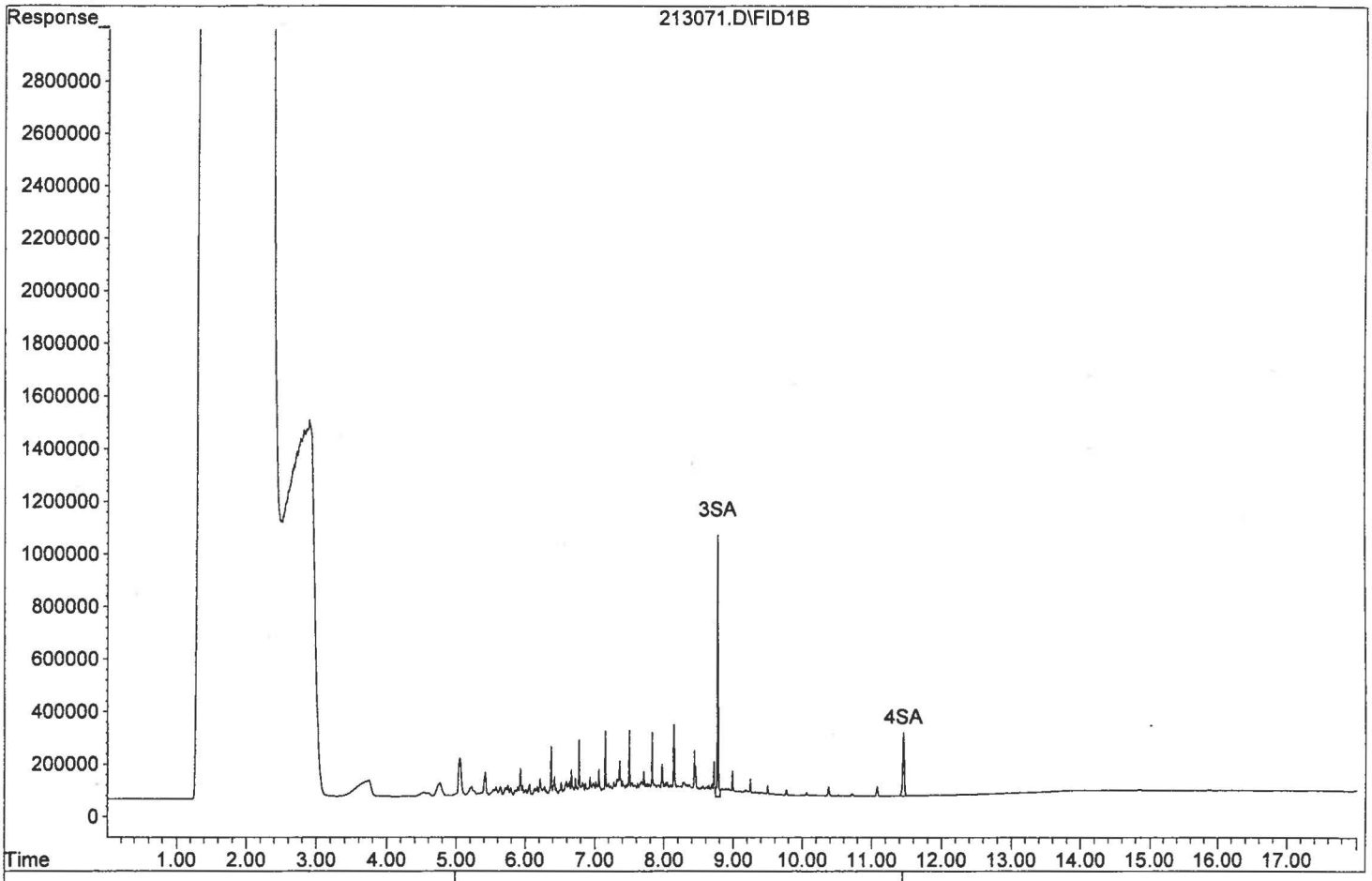
Data File : G:\APOLLO\DATA\110213\213071.D Vial: 71
Acq On : 2-15-11 14:49:42 Operator: LAC
Sample : AY30578W14 MS-1 5/1000 Inst : Apollo
Misc : Water Multiplr: 5.00
IntFile : events.e
Quant Time: Feb 15 16:49 2011 Quant Results File: TPHD0212.RES

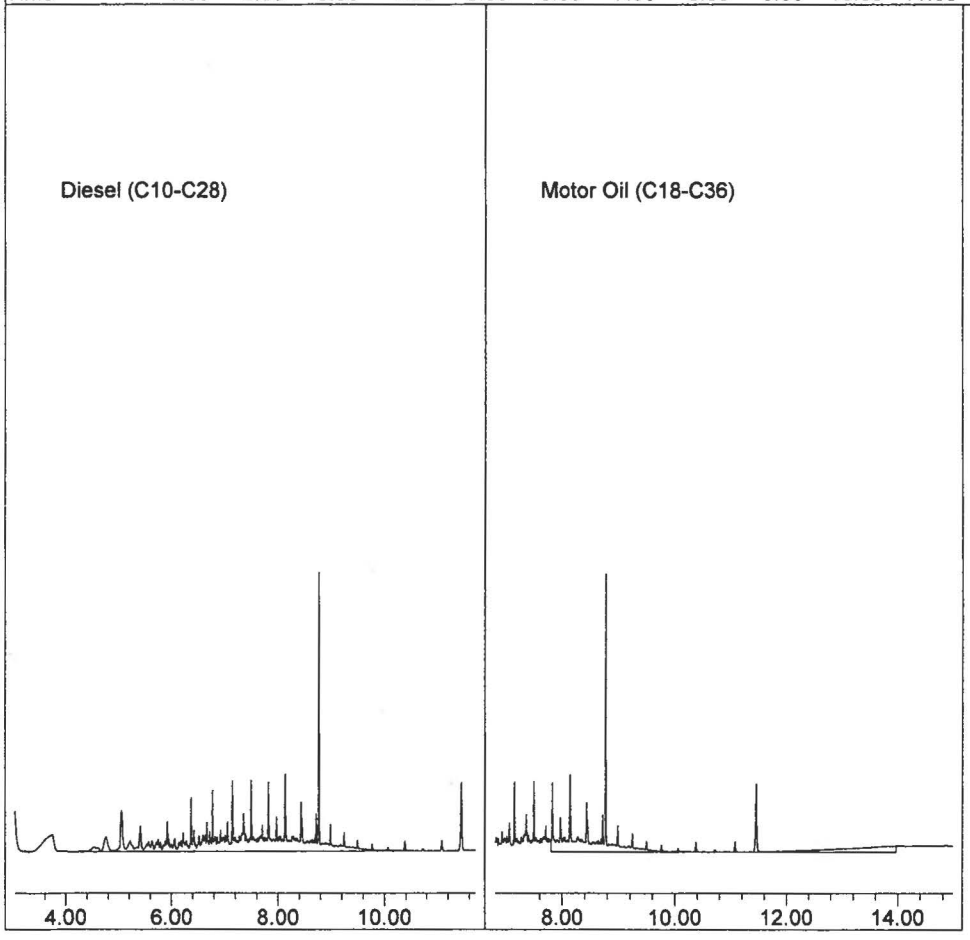
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

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

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

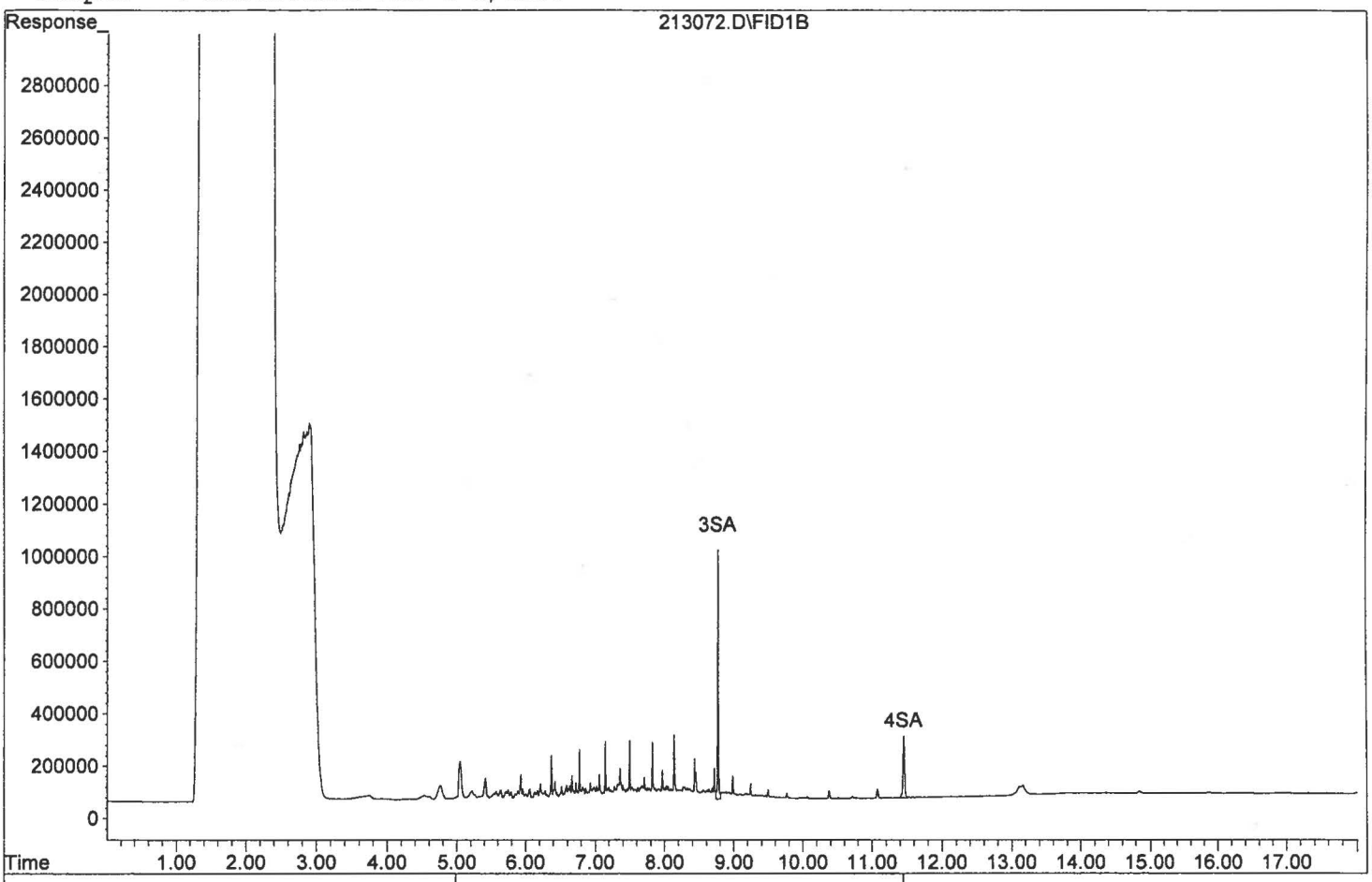
Method : G:\APOLLO\DATA\110213\TPHD0212.M (Chemstation Integrator)
Title : Diesel
Last Update : Thu Feb 17 14:14:12 2011
Response via : Multiple Level Calibration

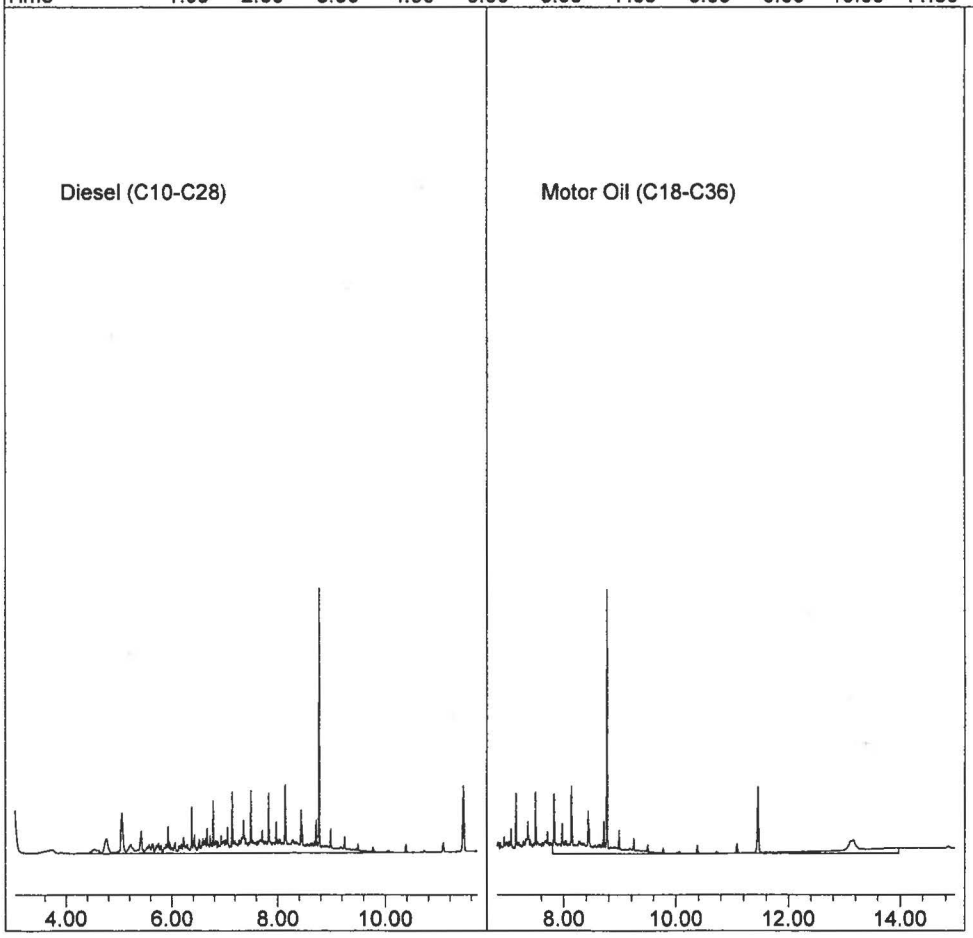
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Data File: G:\APOLLO\DATA\110213\213072.D
Sample : AY30578W13 MSD-1 5/1000





STANDARD	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#	[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

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
Lot No: 149530
Exp: 9/13/2013
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

P Diesel Fuel #2 Composite
F Lot #: 149530 - 25265
Rec: 10/8/09 MFR exp. 09/13/13

n ned: 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 3/24/11

o2si smart solutions

o-Terphenyl/Octacosane Solution, 5,000 mg/L, 1 ml
Cat. No: 110316-02
Lot No: 152373
Exp: 11/1/2012
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

ption
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 EX: 7/5/11

1/5/11

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 EX: 7/5/11

1/5/11

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	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

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

1/14/11

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
					Final VOL.	1000	1000	1000	1000	1000	1000

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

1/17/11

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
								011

THC SURROGATE (* GAVE TO EXTRACTION)

O-TERPHENYL	600ug/ml	O2SI	N/A	25mL	600ug/ml	N/A		1/13/11
OCTACOSANE		CAT: 110316-05						EX: 1/13/12
		LOT: 164819-28052						
		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	2ng/ml	TCQ STD	LVL-3) 50ml	1mL	0.1ng/ml	MTBE		1/14/11
COPYRALID		PREP: 11/5/10	LVL-4) 100ml	1mL	0.2ng/ml	#49324		EX 1/21/11
QUINCLORAC.		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: 7/6/11

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
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

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

1/24/11

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

DIESEL SPIKE

DIESEL FUEL #2	50,000ug/ml	02SI	2000ml	5DML	2000ug/ml	MC # 112910A

1/21/11
Ex: 4/21/11

Diesel Fuel #2 Composite, 50,000 mg/L, 1 ml
02si smart solutions
Lot # 167768 Storage: ≤-10 Degrees C Expiry: 2/15/15
Solv: Methylene Chloride
R&D only, not for 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
Lot #: 167768 - 28178
Rec: 1/20/11 MFR exp. 02/15/15

1/21/11

OCL DEGRADATION CHECK

VARIOUS ANANTES	100ug/ml	02SI	250ml	5DML	0.5ug/ml	HEXANE # 082610B

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

02si 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

1/24/11

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
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
Ex: 4/24/11

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

027

LAC 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	1000ug/mL	O2SI	N/A	1mL	1000ug/mL	N/A

O2si
Chlordane (Tech Mix)
Lot #: 158613 - 27201
Rec. 9/10/10 MFR exp. 05/01/13

Chlordane (Technical Mixture) Solution, 1,000 mg/L, 1 ml
Cat. No: 031088-01
Lot No: 158613
Exp: 5/1/2013
Storage: </= 6 Degrees C
Solvent: Hexane
For Research Use Only
Opened: 2/14/11 EX: 2/14/12

2/14/11

2/14/11
Ex: 2/14/12

_SEP011

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	
Date	1/28/11
Time	17:22
Refrigerator	Horizontal

	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

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 3:02:25 PM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 63706

Case No: 63706 Date Analyzed: 01/31/11

Matrix: WATER 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. SDG No: 63706

Case No: 63706 Date Analyzed: 01/31/11

Matrix: WATER 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		
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

Quantitation Report (QT Reviewed)

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%		

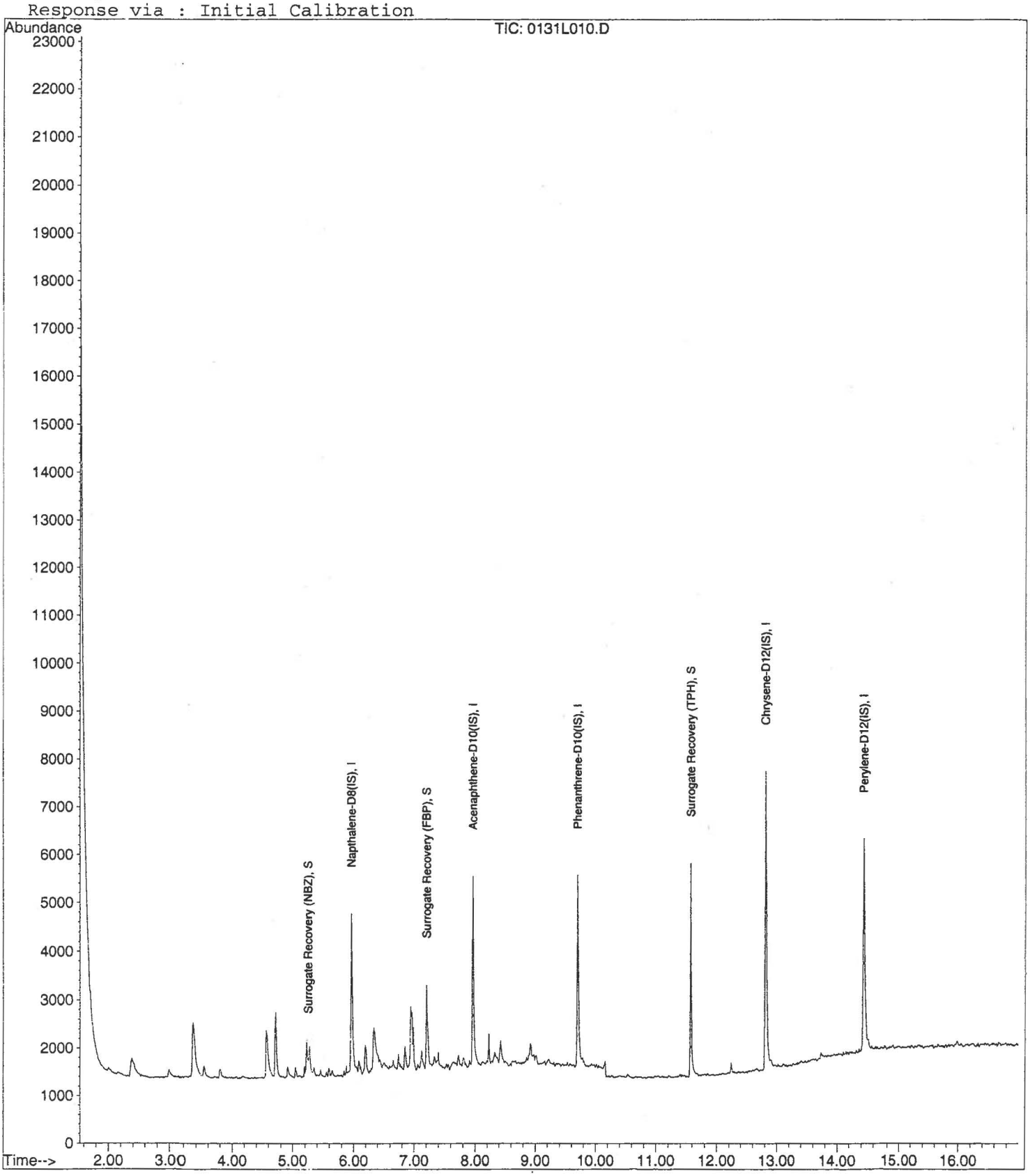
Target Compounds Qvalue

(#) = 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



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: ES014

APPL ID: AY30576

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)	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 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

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%		

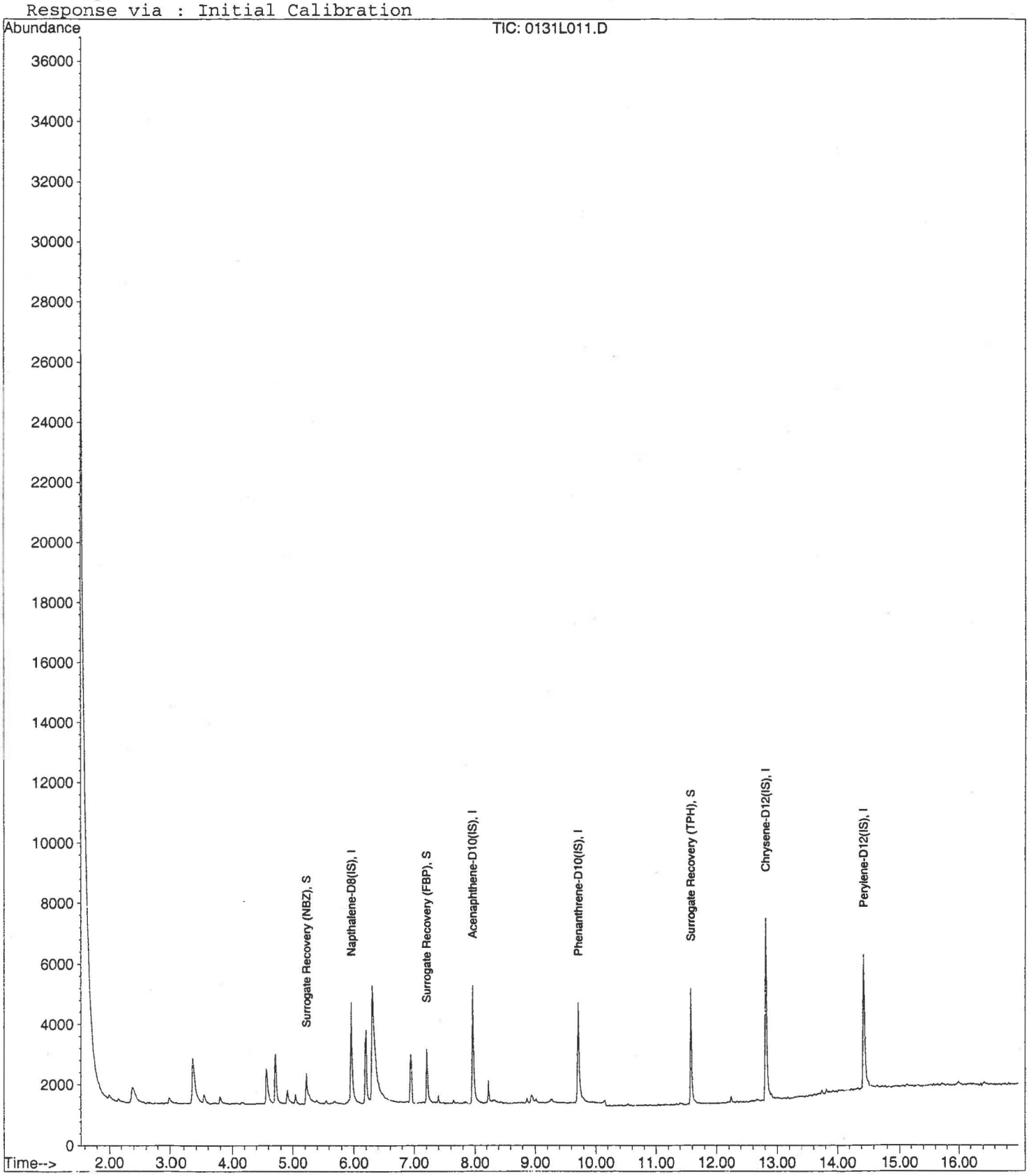
Target Compounds	Qvalue

(#) = 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

ARF: 63706

Sample ID: ES016

APPL ID: AY30577

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)	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%			

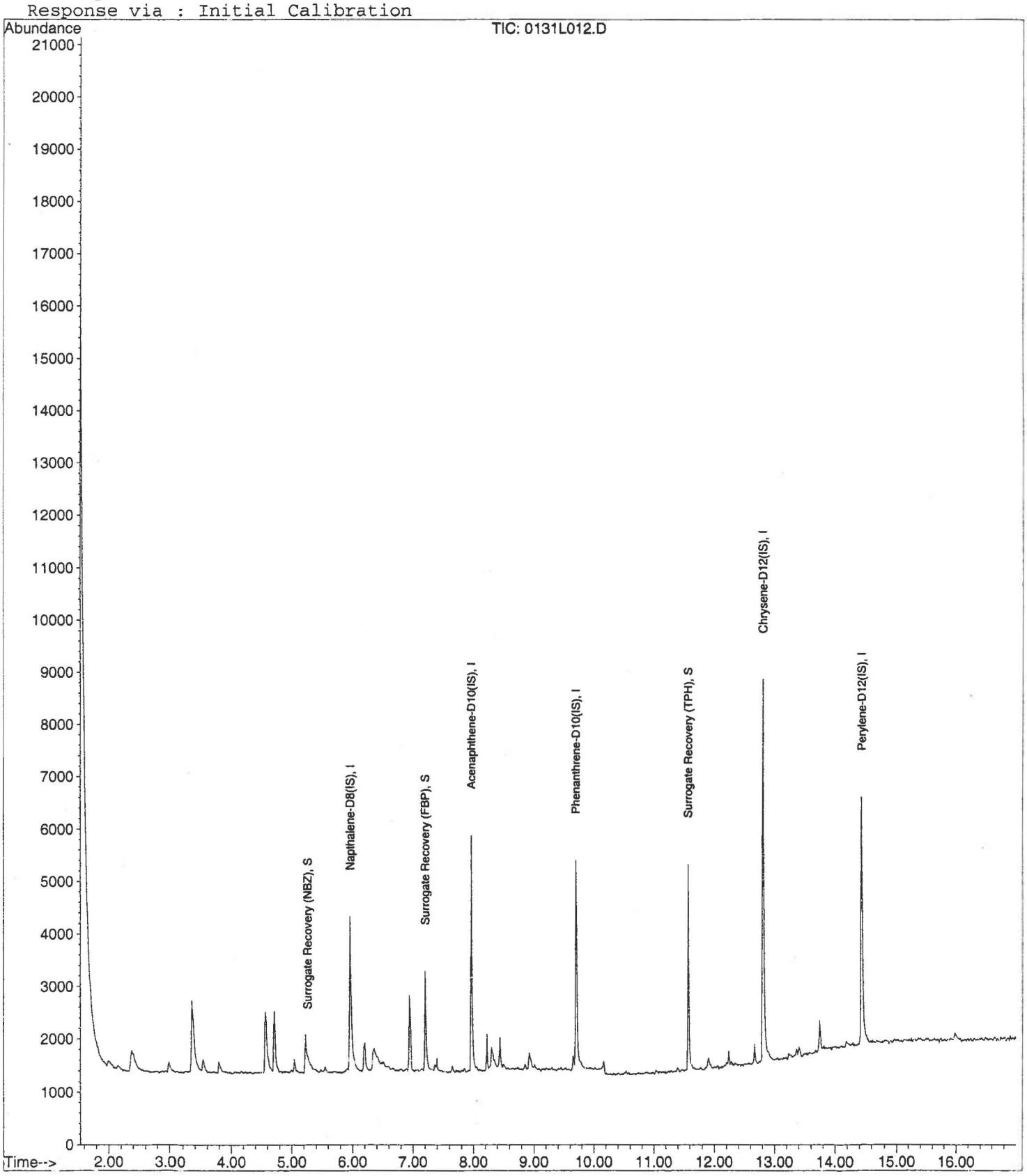
Target Compounds	Qvalue

(#) = 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

ARF: 63706

Sample ID: ES017

APPL ID: AY30578

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)	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

Quantitation Report (QT Reviewed)

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%	

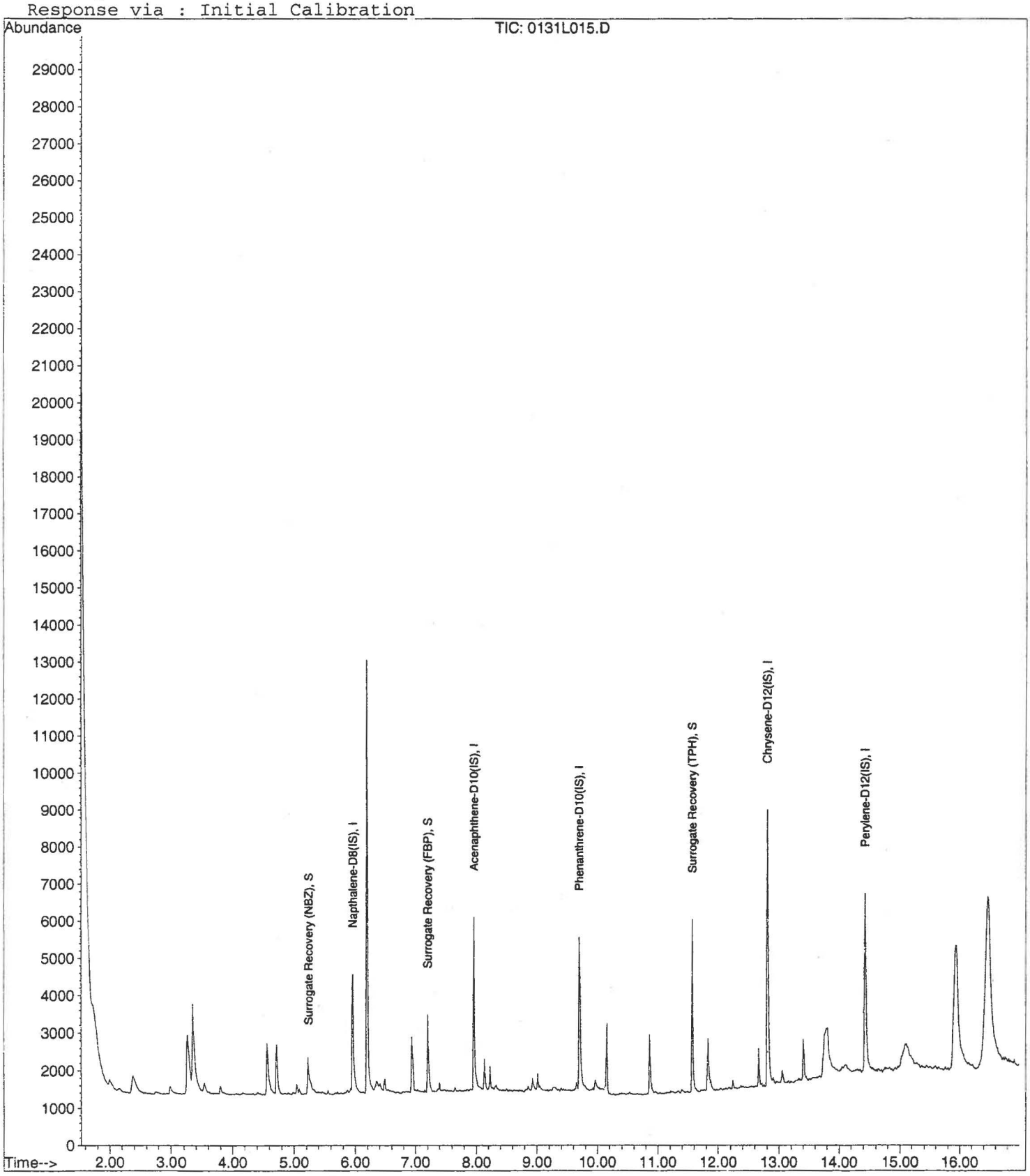
Target Compounds Qvalue

(#) = 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



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

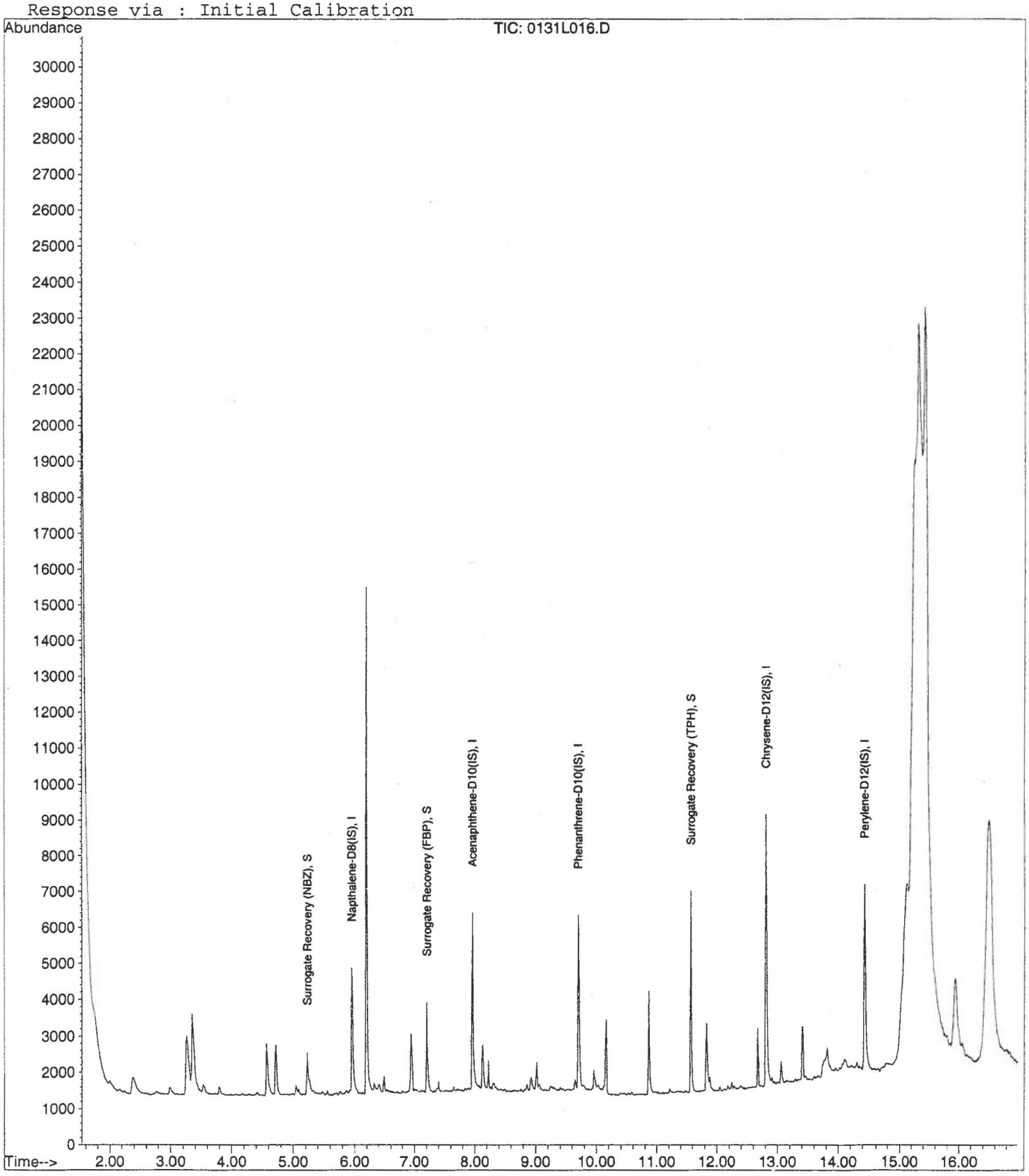
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Napthalene-D8(IS)	5.95	136	5106	2.50000 ppb	-0.01
6) Acenaphthene-D10(IS)	7.96	164	2529	2.50000 ppb	0.00
11) Phenanthrene-D10(IS)	9.70	188	4416	2.50000 ppb	0.00
15) Chrysene-D12(IS)	12.81	240	8782	2.50000 ppb	0.01
21) Perylene-D12(IS)	14.43	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



EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Calibration Data

APPL, INC.

EPA 8270C SIM

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No: 63706
Case No: Initial Cal. Date: 01/07/11
Matrix: 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 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

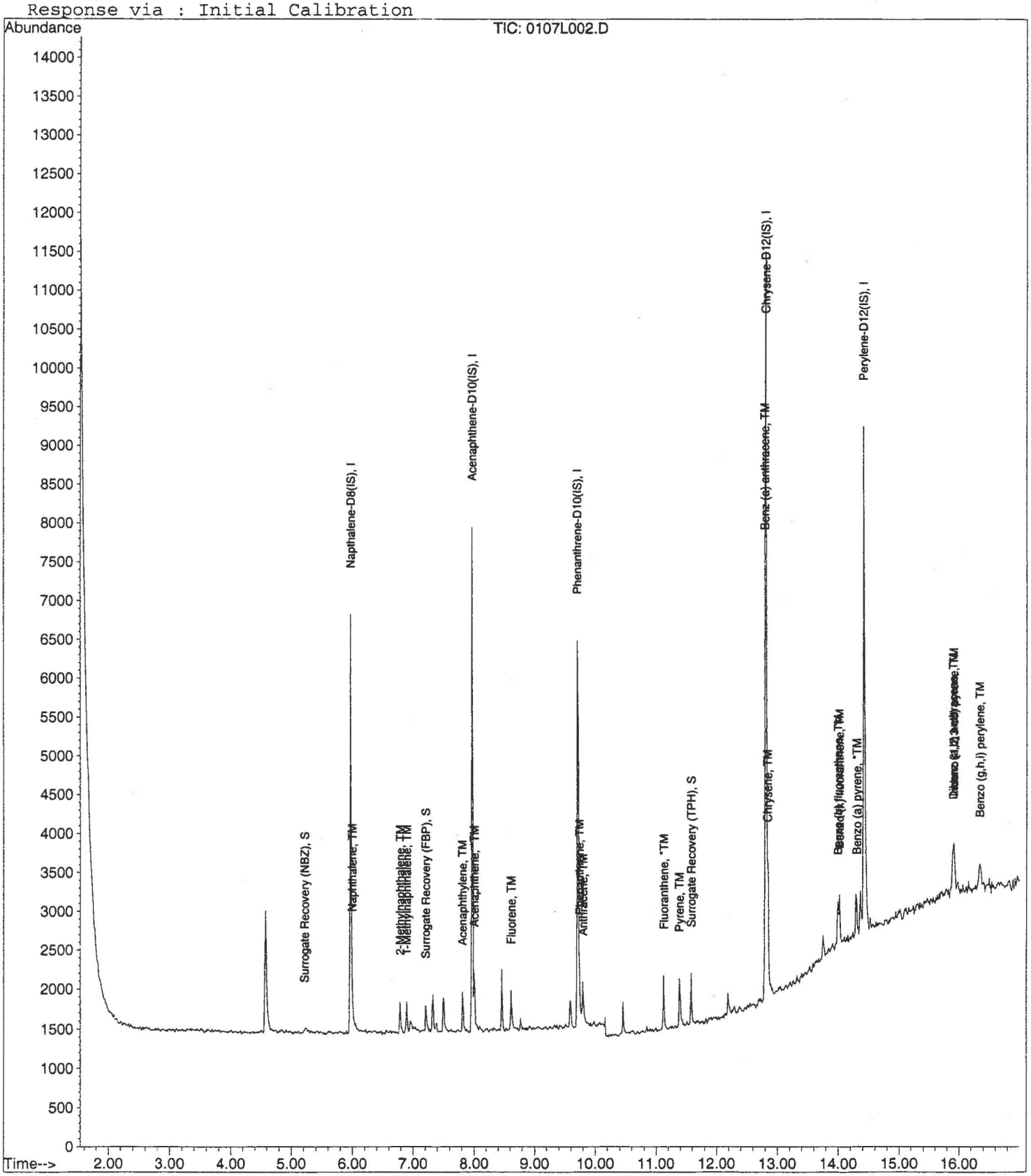
(#) = qualifier out of range (m) = manual integration

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



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						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

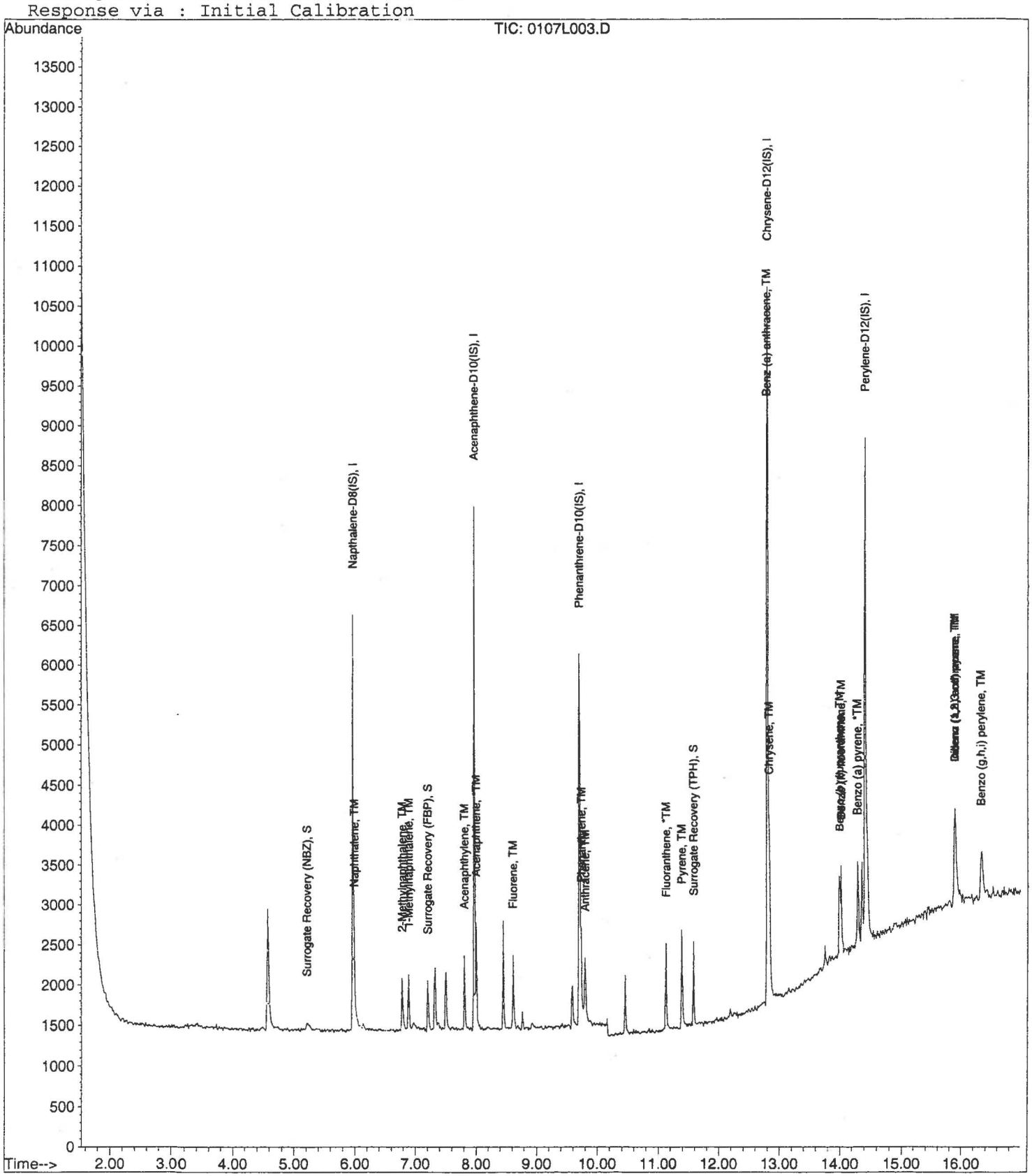
(#) = qualifier out of range (m) = manual integration

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

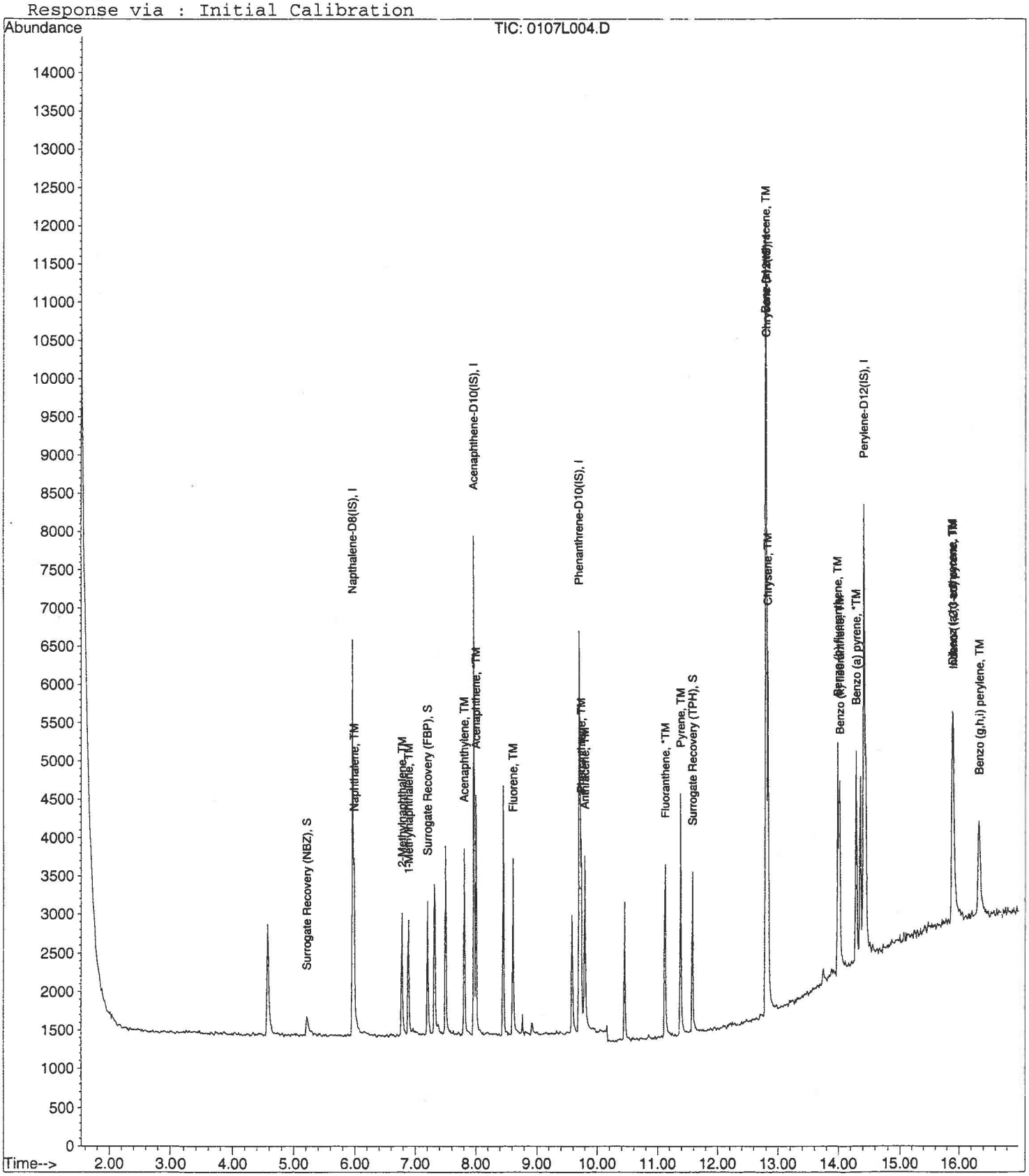
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L110107\0107L004.D 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

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

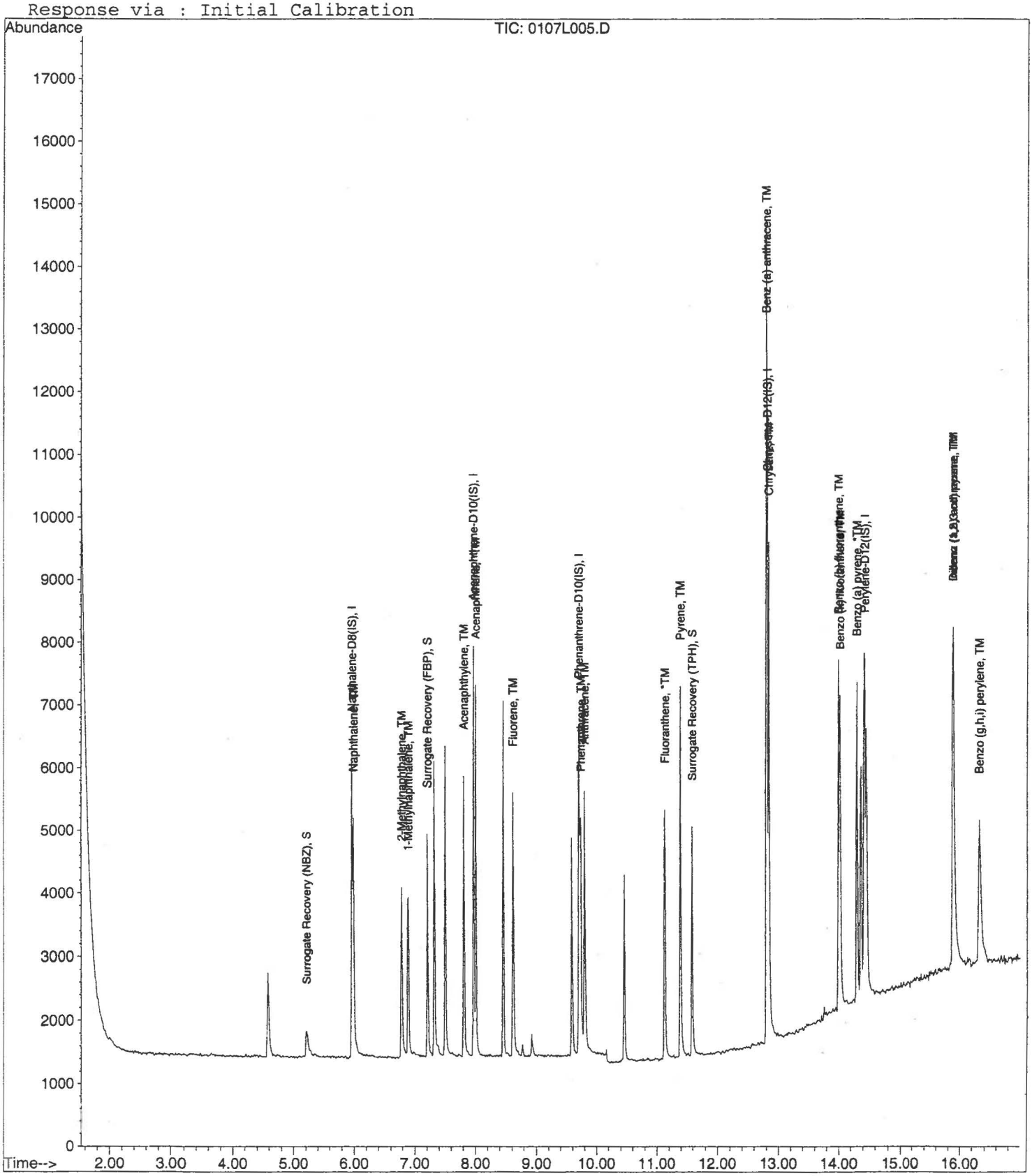
(#) = qualifier out of range (m) = manual integration

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

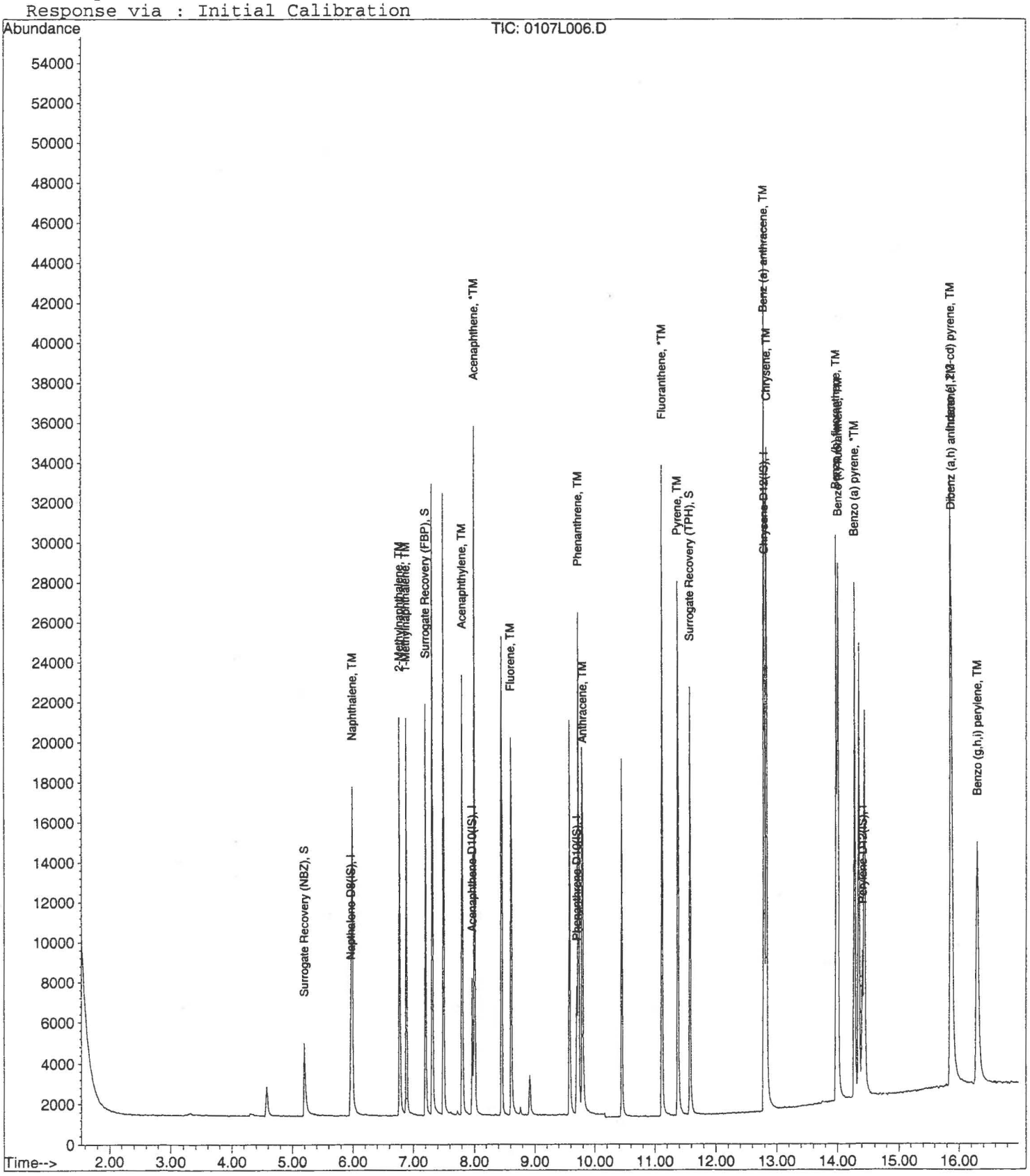
(#) = qualifier out of range (m) = manual integration

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

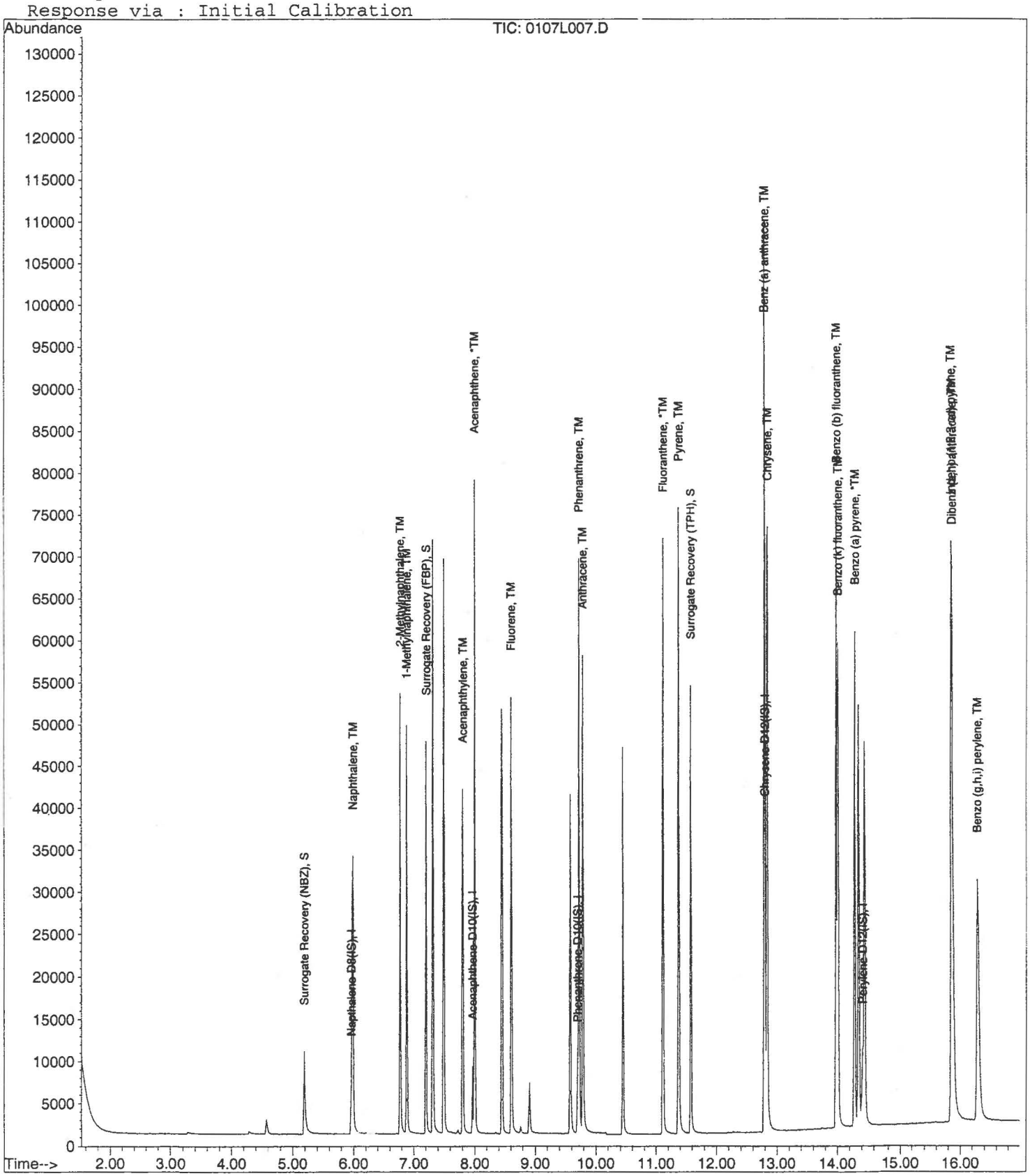
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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



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						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

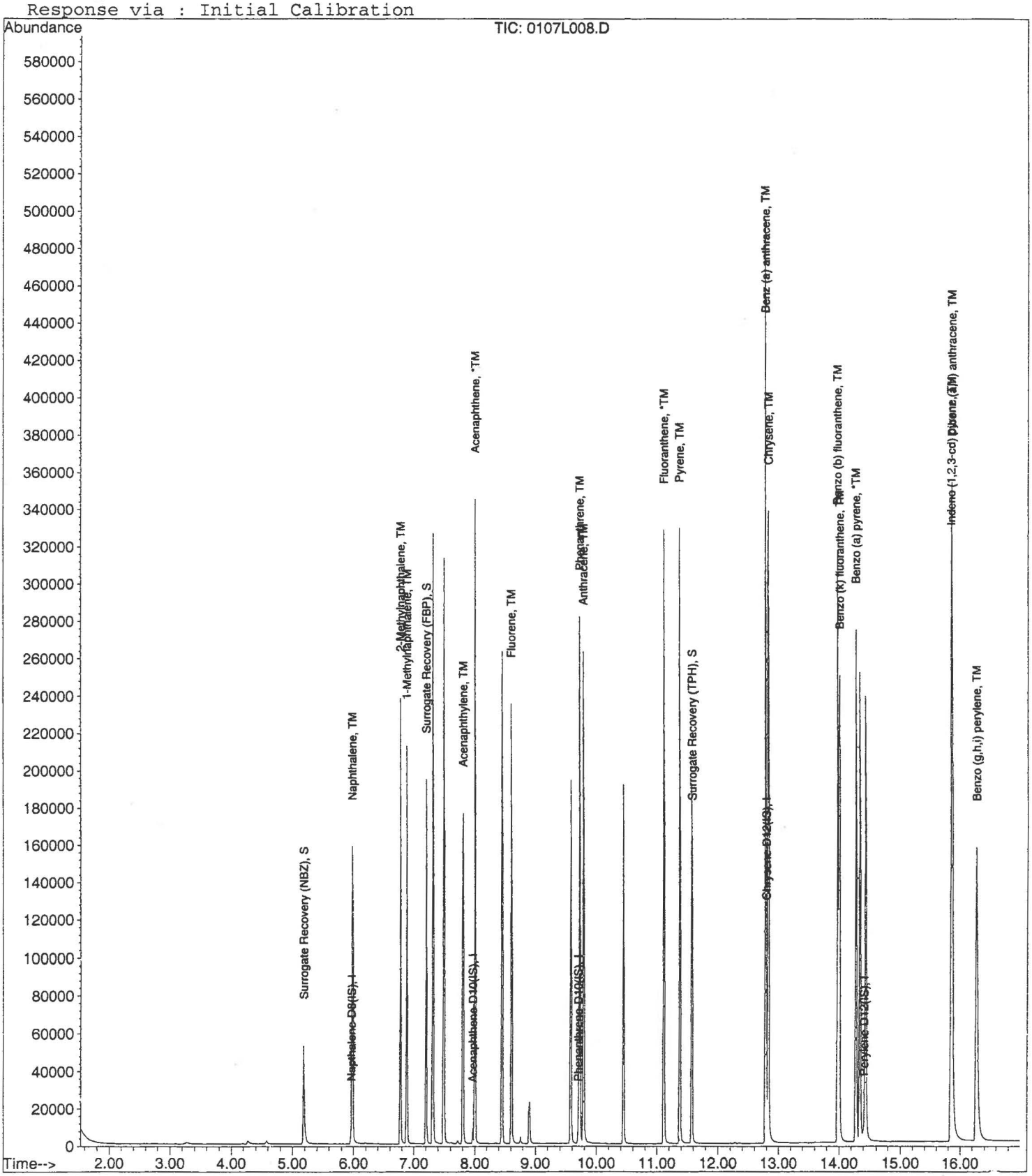
(#) = qualifier out of range (m) = manual integration

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						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

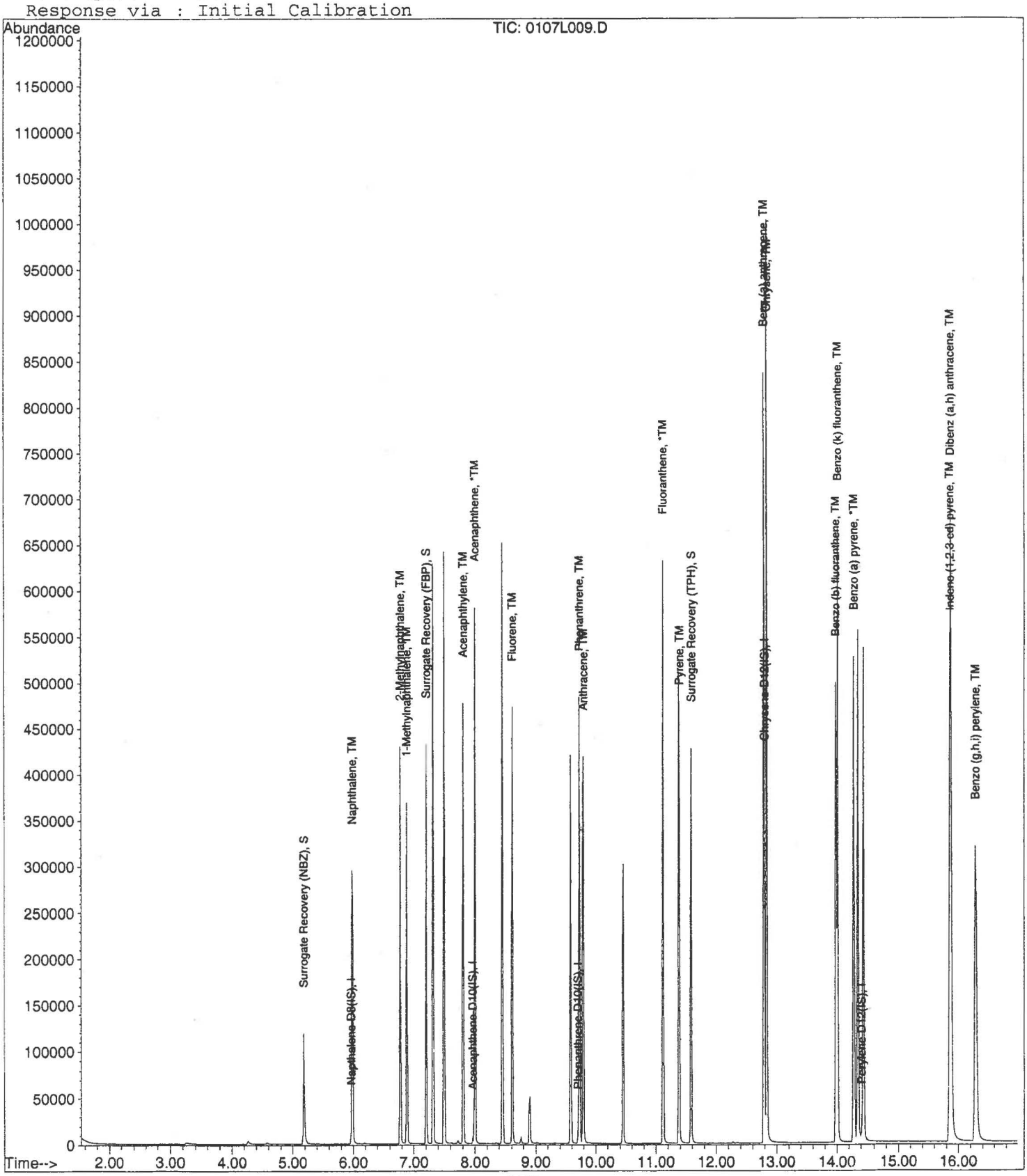
(#) = qualifier out of range (m) = manual integration

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



Form 7

Second Source Calibration

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

SDG No: 63706
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	2.5	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

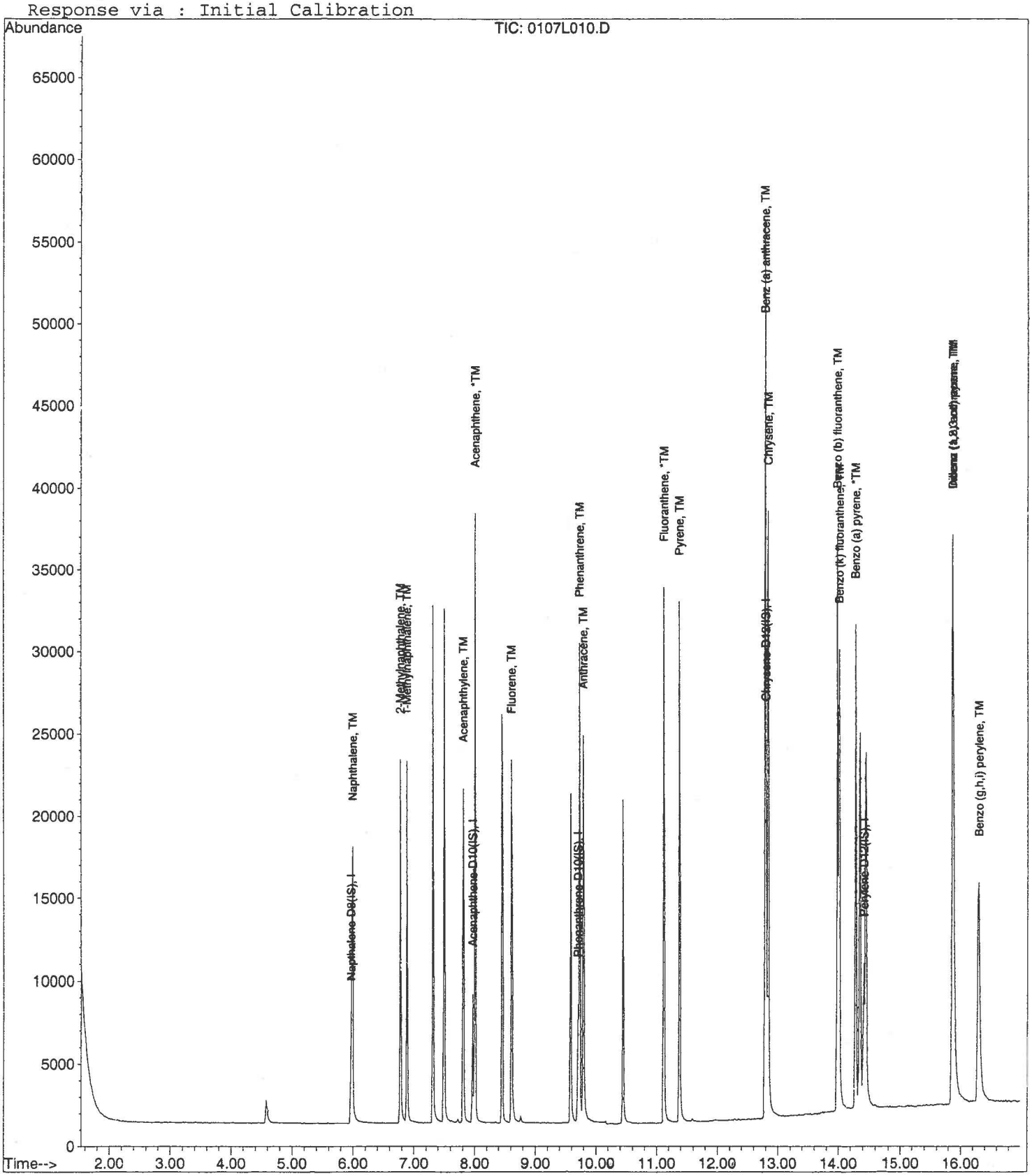
(#) = qualifier out of range (m) = manual integration

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



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

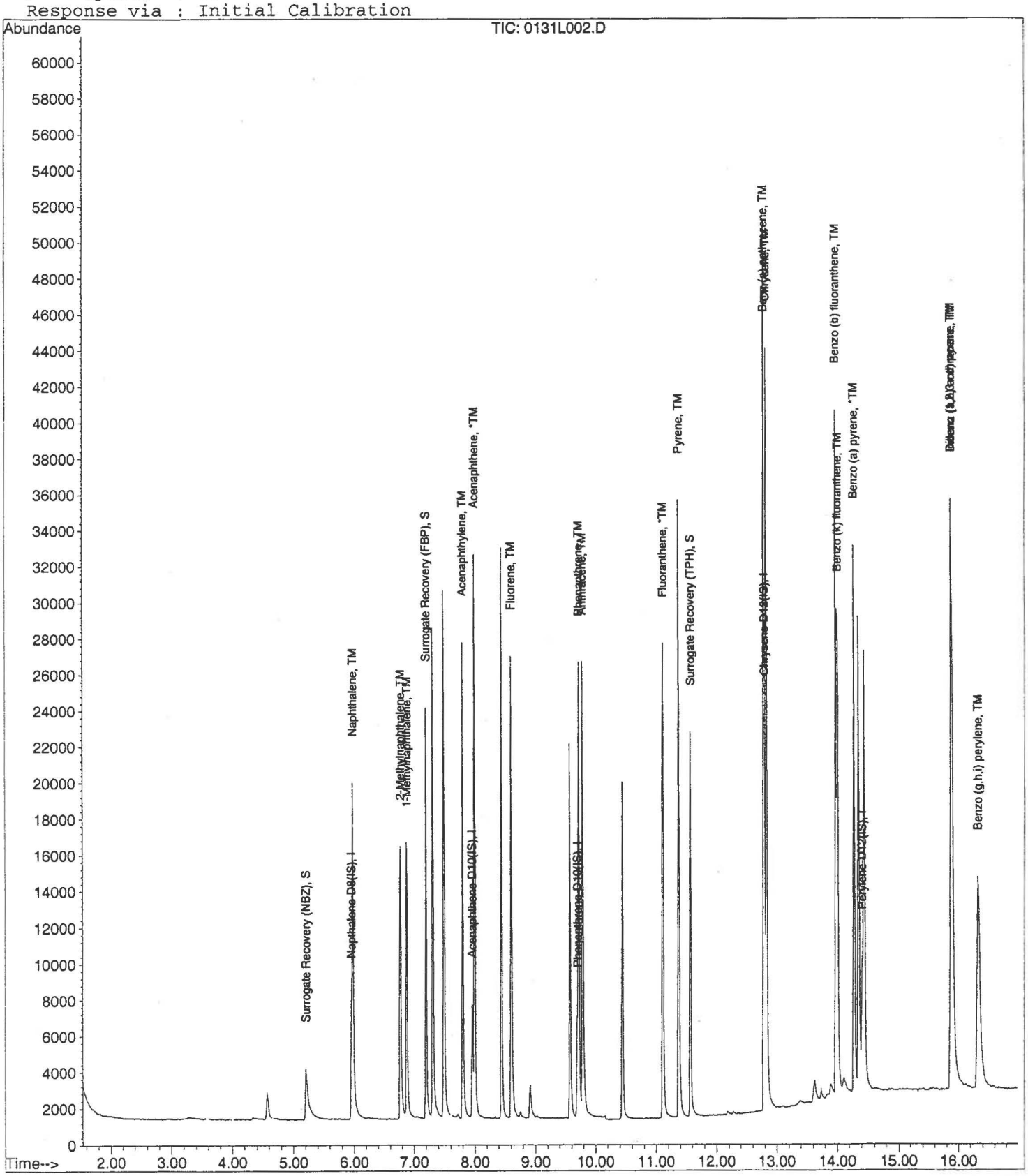
(#) = qualifier out of range (m) = manual integration

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



EPA METHOD 8270
Polynuclear Aromatic Hydrocarbons
Raw Data

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 3:02:50 PM

Quantitation Report (QT Reviewed)

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

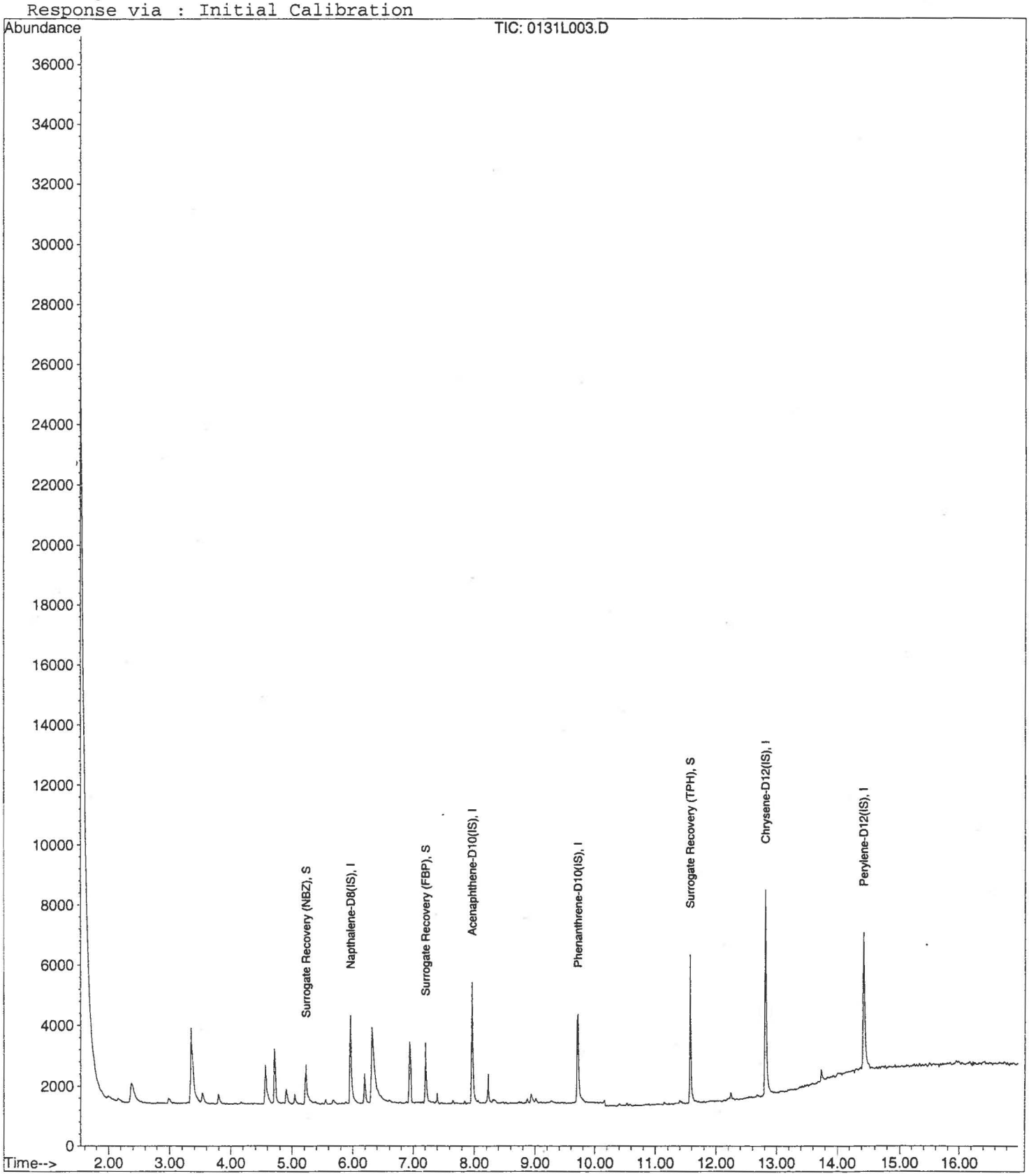
(#) = qualifier out of range (m) = manual integration

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



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

Quantitation Report (QT Reviewed)

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

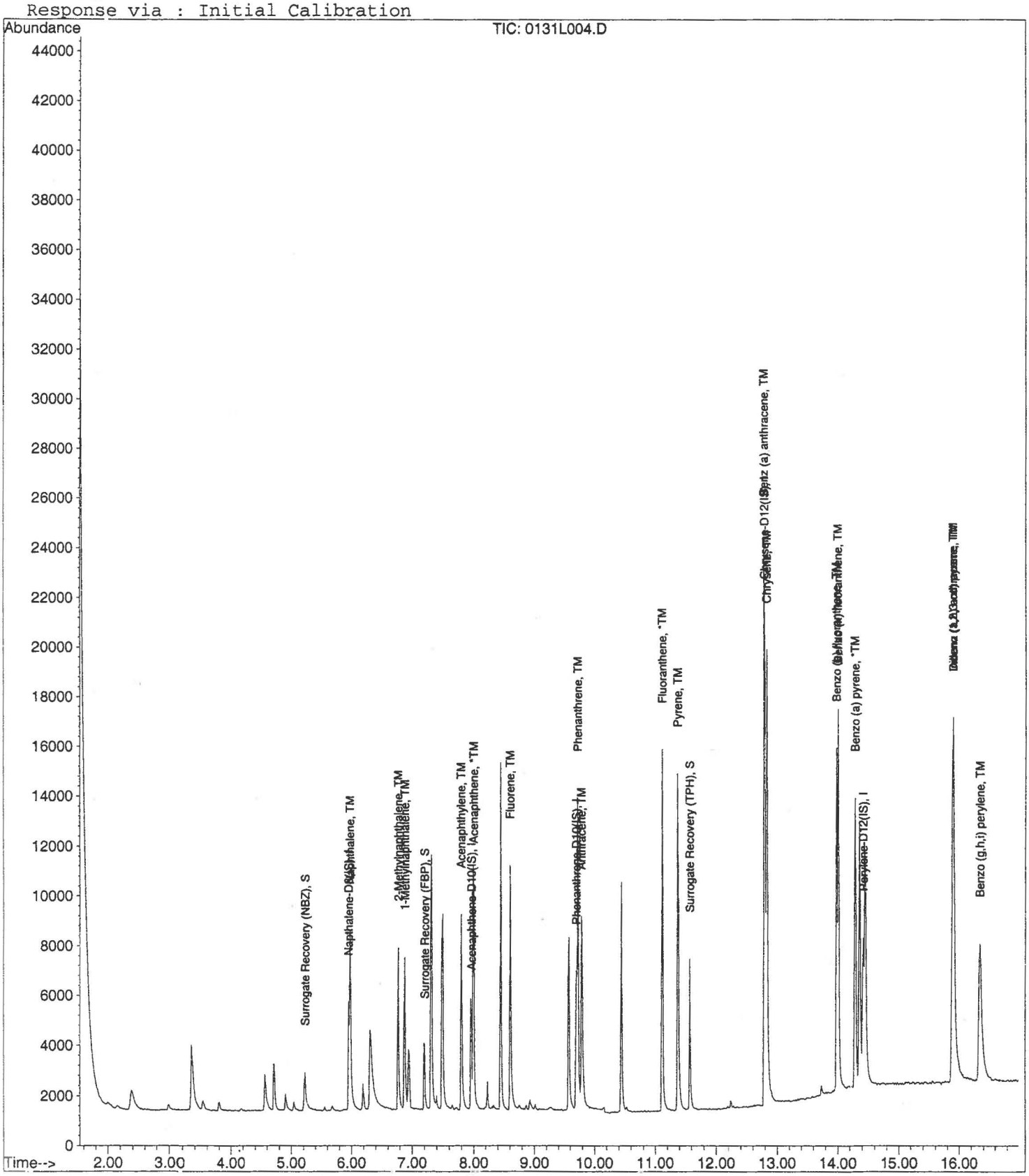
(#) = qualifier out of range (m) = manual integration

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

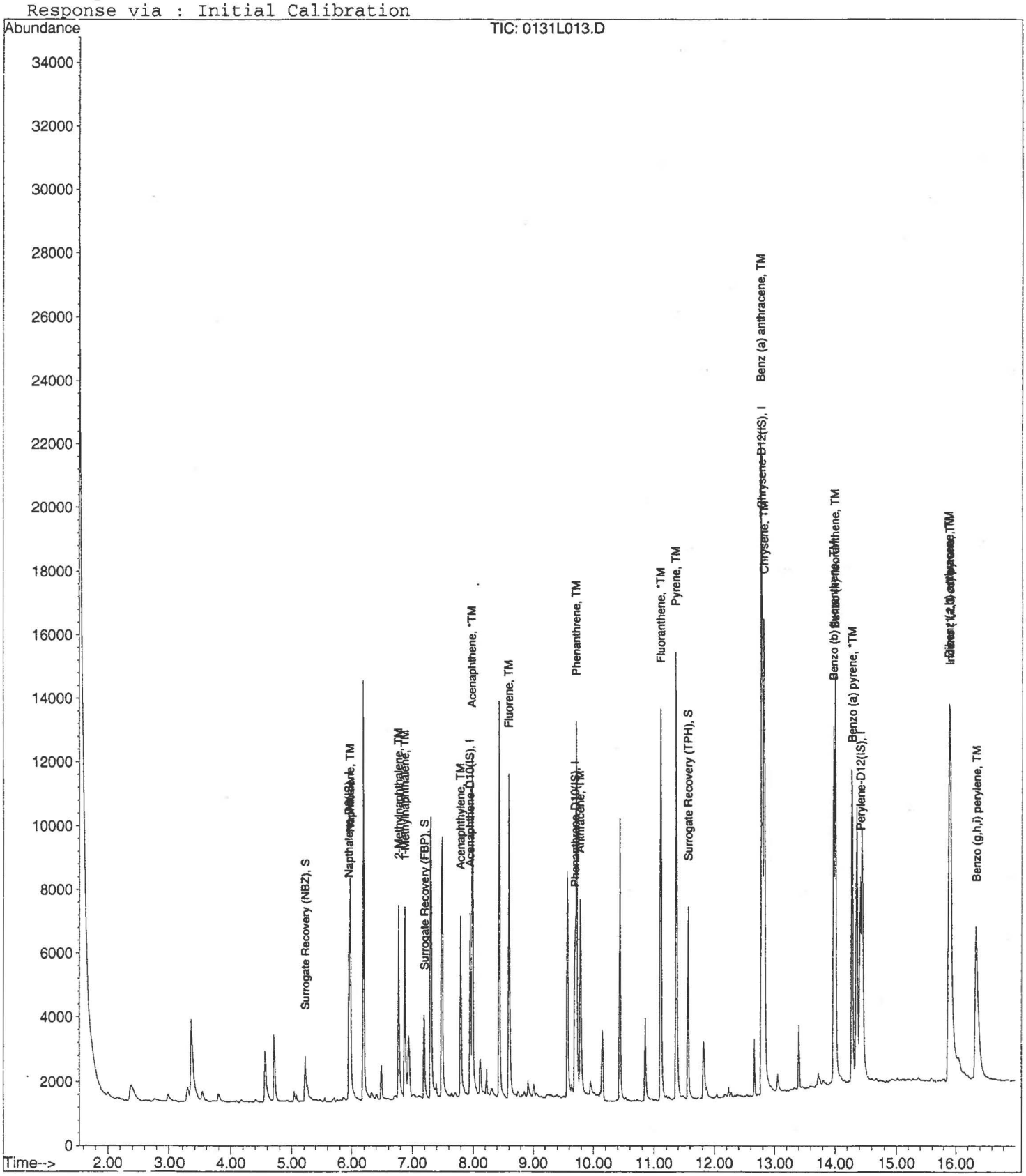
(#) = qualifier out of range (m) = manual integration

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 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

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

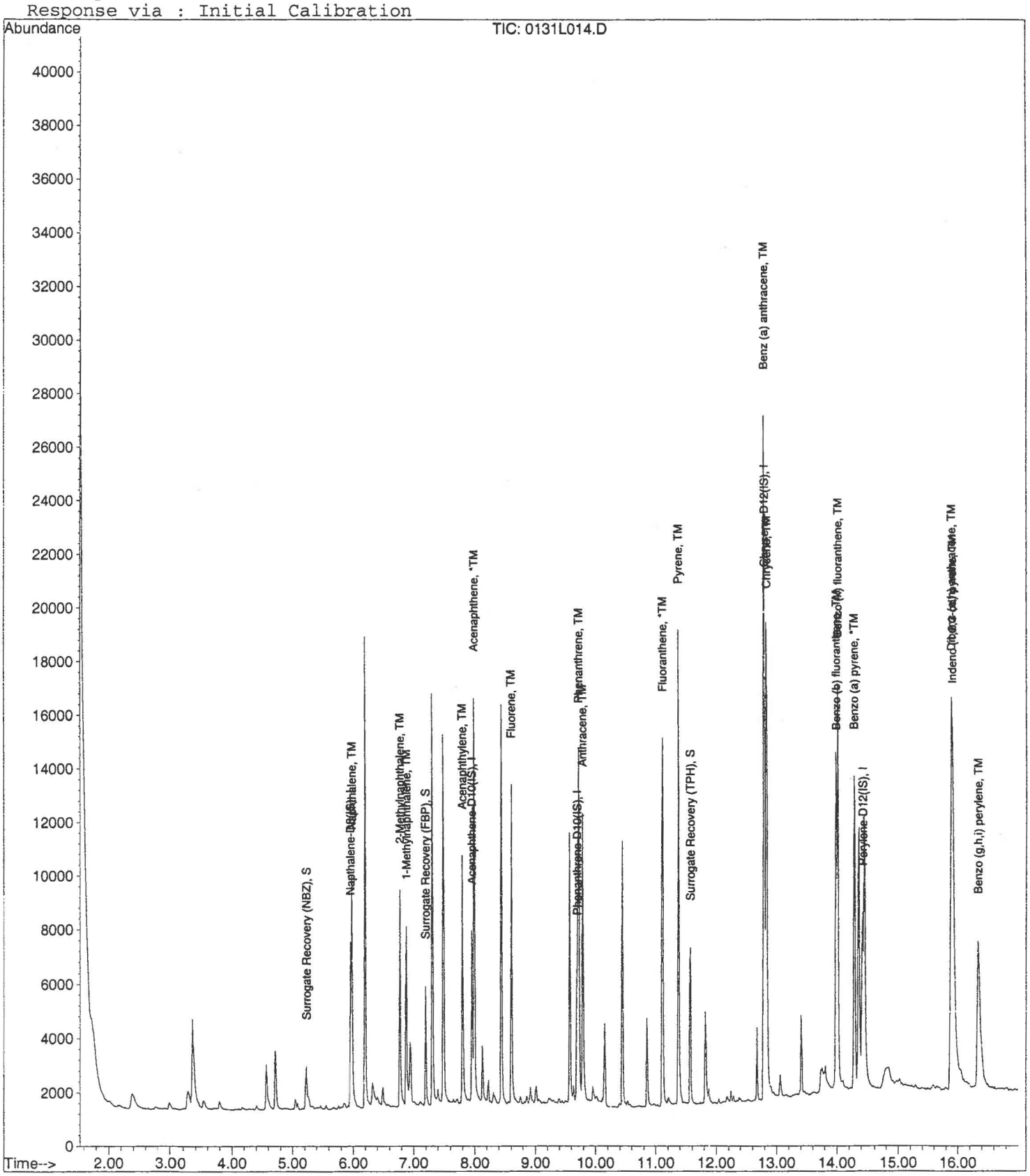
(#) = qualifier out of range (m) = manual integration

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

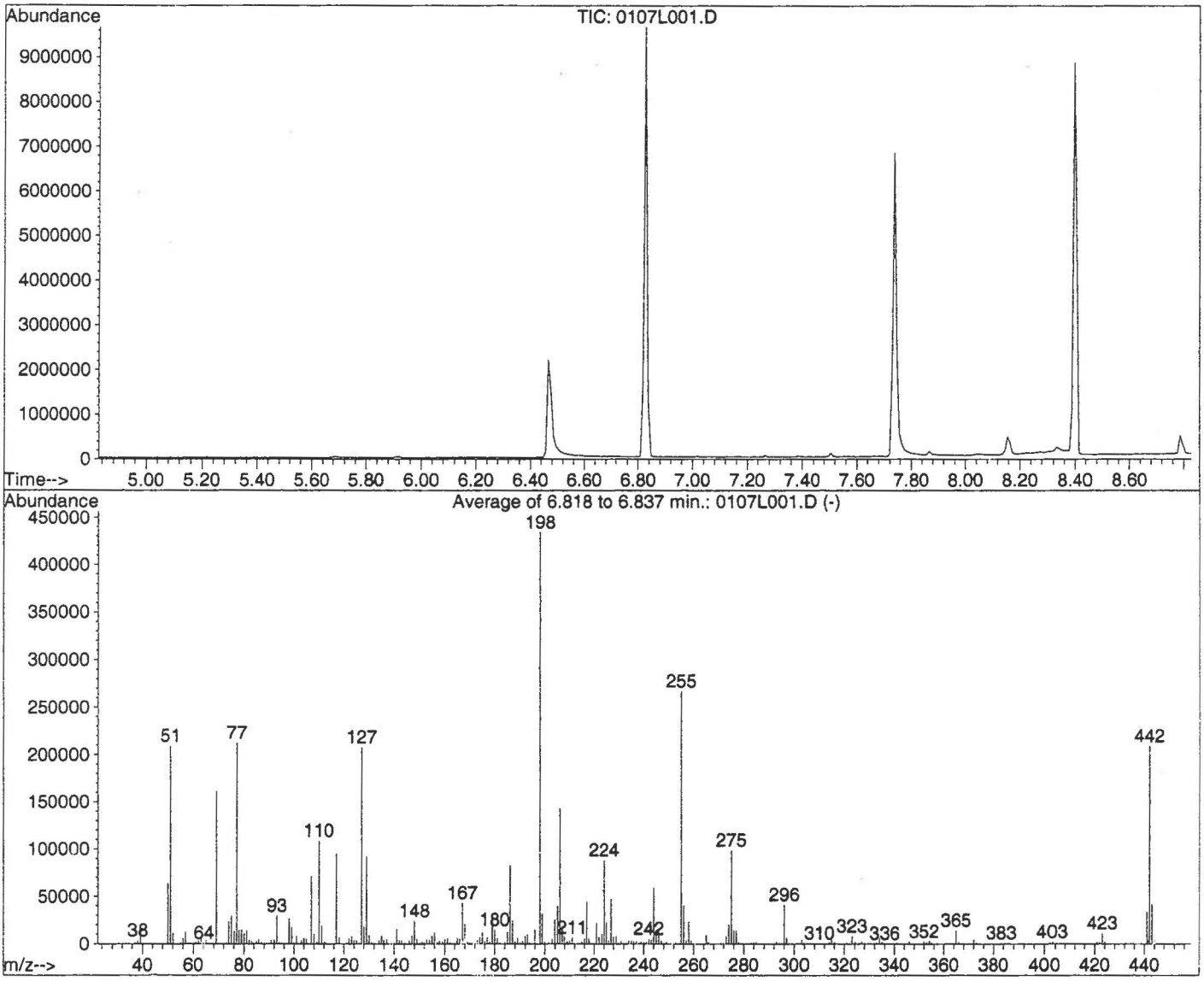
Quant Time: Feb 1 13:46 2011 Quant Results File: SIM2.RES

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



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

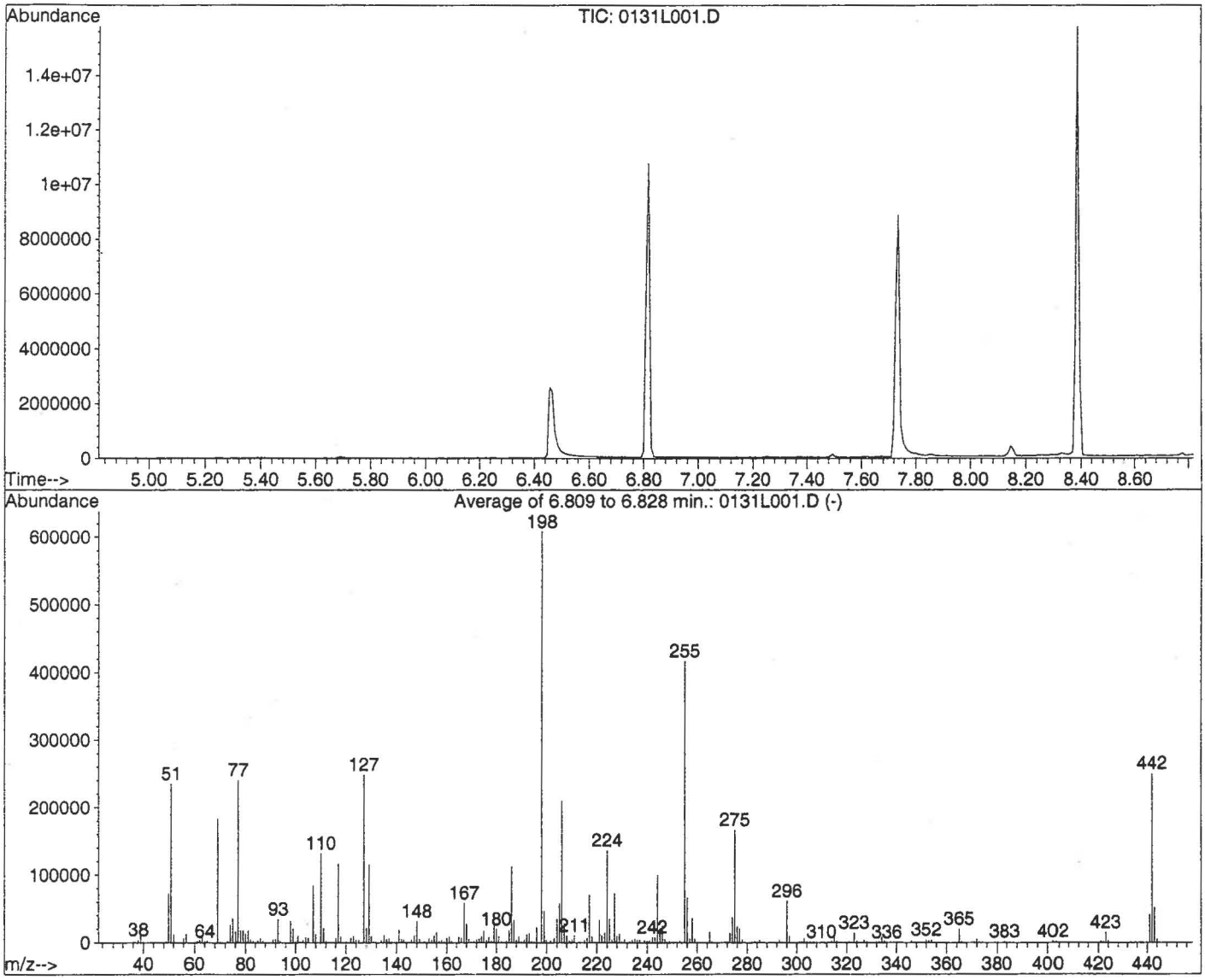


Spectrum Information: Average of 6.818 to 6.837 min.

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

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

VF 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	149231-24856	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

VF 3/4/10

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)	149231-24097	200	03/04/10	03-04-11	5
	MeCl2		Lot#47080			195
				Final Volume		200

VF 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

VF 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

VF 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	

VF 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

VF 4/12/10

GCM-160-1
Lot CF-2995
Exp 08/31/2011
Semi-Volatiles GC/MS Tuning Standard
4 analyte(s) at 1000 µg/mL in dichloromethane
250 Smith St. North Kingstown, RI 02852 USA

ULTRA 1 mL

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

Exp 4/12/11

VF 4/12/10

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

Exp 4/12/11

VF 4/12/10

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

Exp 4/12/11

VF 4/12/10

Part #: 10005 Laboratory Use Only - See MSDS
Lot #: 121208 Exp: 121213 Storage 4 °C
CLP Semi-Volatiles Toxic Substances #2
8 components CLP Semi-Volatiles Toxic Substances #2
2000 ug/mL in met Lot #: 121208 - 25526
ABSOLUTE STANDAR Rec: 11/17/09 MFR exp. 12/12/13

Exp 4/12/11

VF 4/12/10

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

Exp 4/12/11

VF 4/12/10

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

Exp 4/12/11

VF 4/12/10

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

Exp 4/12/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

VF 10/6/10

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

o2si smart

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
Opened: _____

VF exp 10/6/11

LF 10/6/10

02si smart solutions

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

Cat. No: 110397-01
Lot No: 158127

8270 11 Compound Mix
Lot #: 158127 - 26470
Rec: 4/19/10 MFR exp. 04/12/12

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

LF

LF 10/6/10

PREP DATE:	10-06-10					
8270C Second Source Stock Standard						
Exp:	10-06-11					
		Conc.		Date	CODE:	F
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

LF 10/7/10

02si smart solutions

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

Cat. No: 110004-17
Lot No: 149231
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25767
Rec: 12/30/09 MFR exp. 07/29/11

Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

LF

exp 4/7/11

LF 10/7/10

02si smart solutions

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

Cat. No: 110004-17
Lot No: 149231
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25768
Rec: 12/30/09 MFR exp. 07/29/11

Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

LF

exp 4/7/11

LF 10/7/10

02si smart solutions

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

Cat. No: 110004-17
Lot No: 149231
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25769
Rec: 12/30/09 MFR exp. 07/29/11

Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

LF

exp 4/7/11

LF 10/7/10

02si smart solutions

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

Cat. No: 110004-17
Lot No: 149231
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25761
Rec: 12/30/09 MFR exp. 07/29/11

Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

LF

exp 4/7/11

LF 10/7/10

02si smart solutions

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

Cat. No: 110004-17
Lot No: 149231
8270 BN:A (200:400) Surrogate Solution
Lot #: 149231 - 25762
Rec: 12/30/09 MFR exp. 07/29/11

Exp: 7/29/2011
Storage: </= -10 Degrees C
Solvent: Methylene Chloride
For Research Use Only

LF

exp 4/7/11

UF 10/7/10

PREP DATE:	10-07-10					
8270C Stock/Spike Standard						
Exp:	04-09-11					
		Conc.		Date	CODE:	P
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 110004-17 — 8270 BN:A (200:400) Surrogate Solution, 1 ml — 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 left UF 11/11/11

UF 11/11/10

PREP DATE:	11-11-10																	
8270T STANDARD CURVE																		
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	~~160538-27570~~	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							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														
							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	100	100	200	100	100	100

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 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 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

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 #mL
Lot #: 032009 - 27430
Rec: 10/7/10 MFR exp. 3/20/201
-1131

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

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
CLP Semi-Volatiles Base/Neutrals Mix #:
Lot #: 073109 - 27435
Rec: 10/7/10 MFR exp. 7/31/201
1 mL
ABSOL
300-368-1131

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.

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.

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

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.

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,

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.

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

UF121710

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

UF121710

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

UF121710

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
00-368-1131

UF121710

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

UF121710

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

UF121710

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

UF121710

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 12/17/10

Part #: 94552 Laboratory Use Only-See MSDS
Lot #: 052908 Exp: 052911 1 mL
Semi-
11 cc
Varie
Semi-Volatile Standard
Lot #: 052908 - 27473
Rec: 10/7/10 MFR exp. 5/29/201
ABSOLUTE STAND...) 368-1131

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

VF 12/17/10

PREP DATE:	12-17-10					
8270C Stock/Spike Standard						
Exp:	05-29-11					
		Conc.		Date	CODE:	P
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
Absolute	10001	2000	032009-27431	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 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 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 1/4/11

PREP DATE:	01-04-11							VF								
8270T STANDARD CURVE																
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					VF
8270 Second Source (SS) 50ug/mL						
						50
		Conc.		Date	CODE:	
Supplier	ID #	µg/mL	Lot #	Code	Exp.Date	µL
	8270C SS	200		10/06/10	10-06-11	25
EM Science	Methylene Chloride		47080			75
					Final Vol.	100

VF 1/7/11

PREP DATE:	01-07-11									VF			
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		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						VF
SIM 8270 Second Source (5µg/mL)							
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

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	8a
Refrigerator	Shrimp

	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

EPA METHOD 8260B
Volatile Organic Compounds
QC Summary

Method Blank

EPA 8260B VOCs + Gas Water

Blank Name/QCG: **110126W-30578 - 151943**
Batch ID: #86RHB-110126AS

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	1/27/11	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

Blank Name/QCG: **110126W-30578 - 151943**
Batch ID: #86RHB-110126AS

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.47 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. SDG No: 63706

Case No: 63706 Date Analyzed: 1/27/11

Matrix: WATER Instrument: Sweetpea

Blank ID: 110126AS-BLK 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

Printed: 2/24/11 1:02:22 PM
Form 4, Blank Summary

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

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-1W	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

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	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

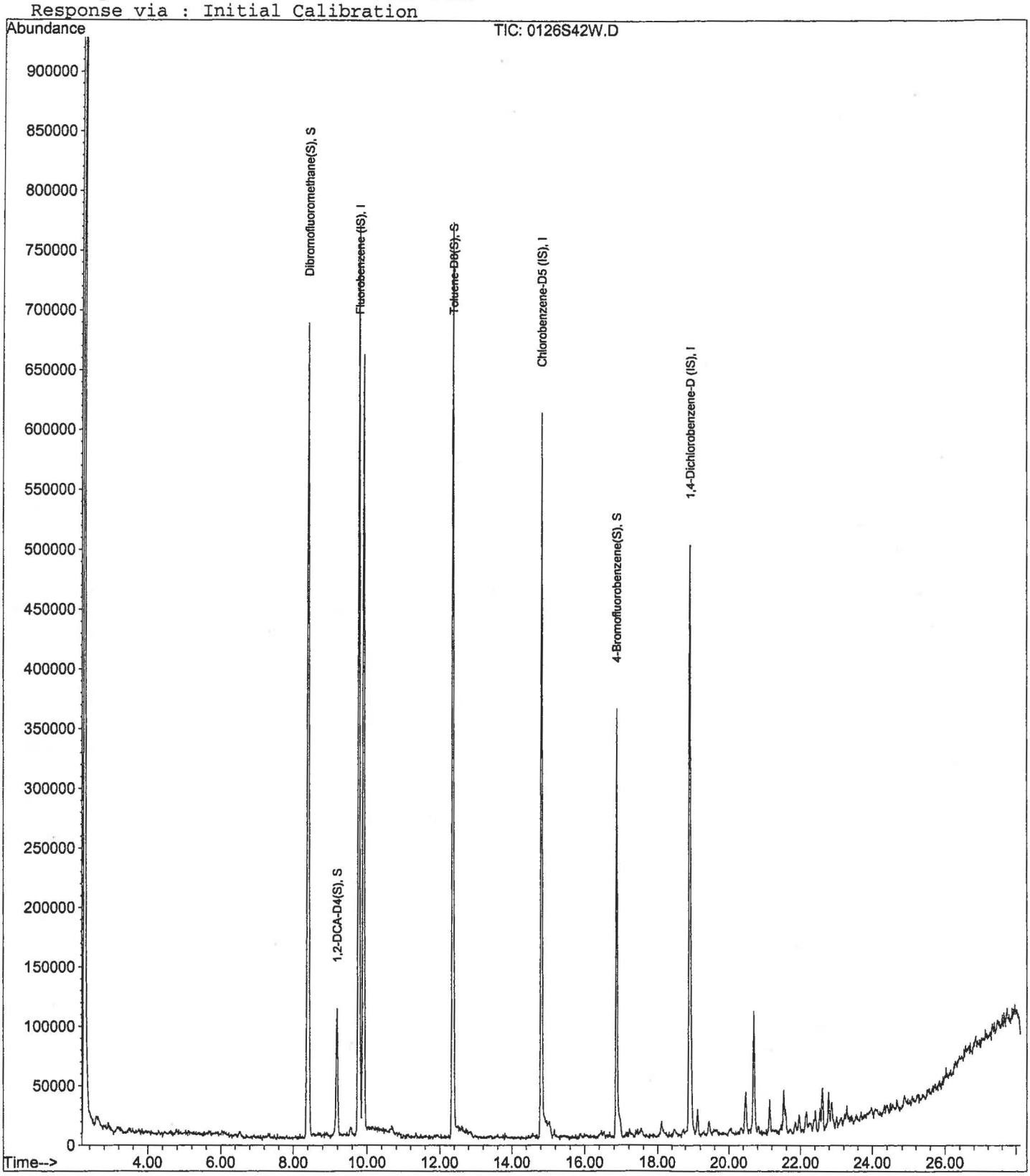
(#) = qualifier out of range (m) = manual integration

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

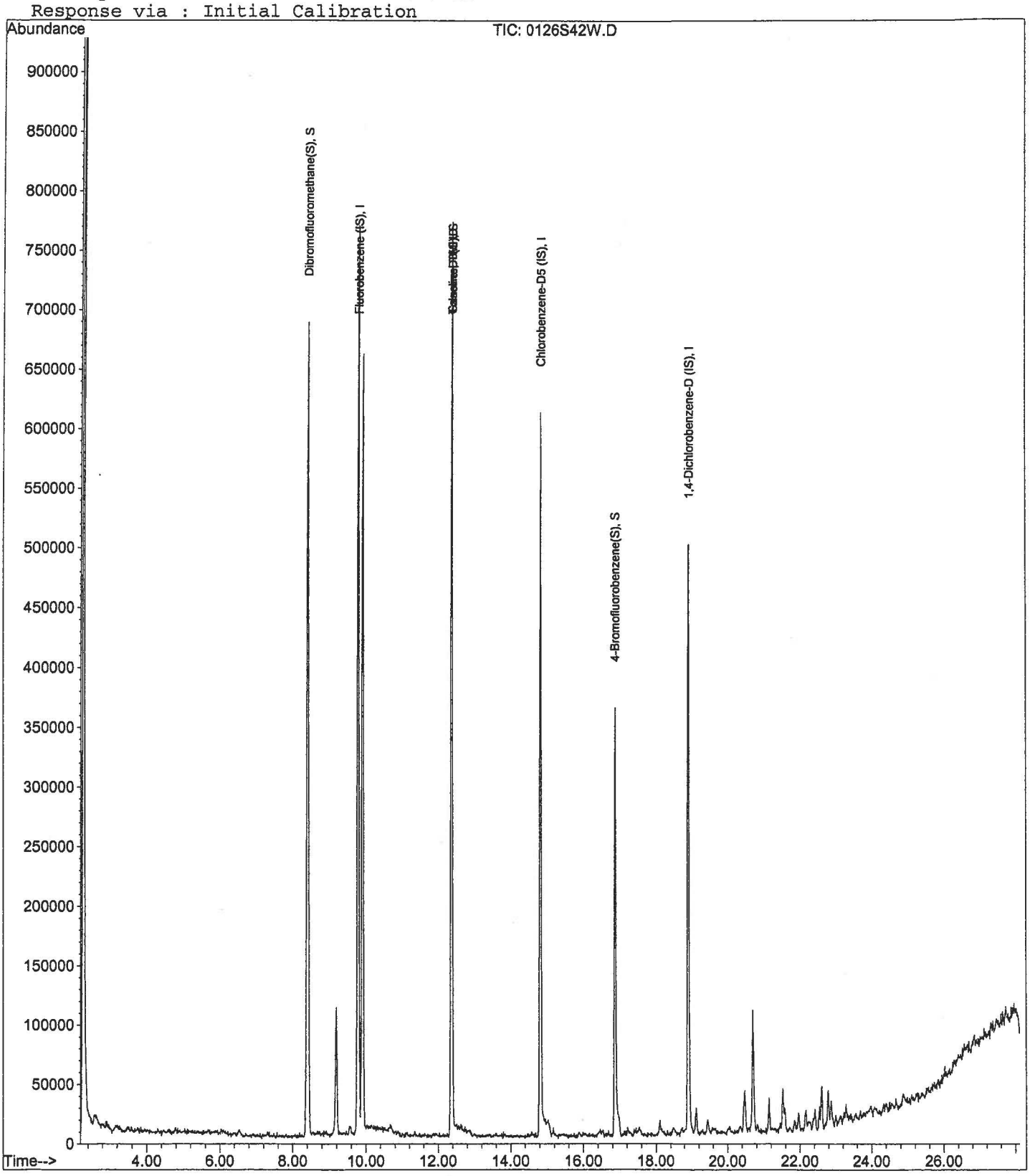
C MDL

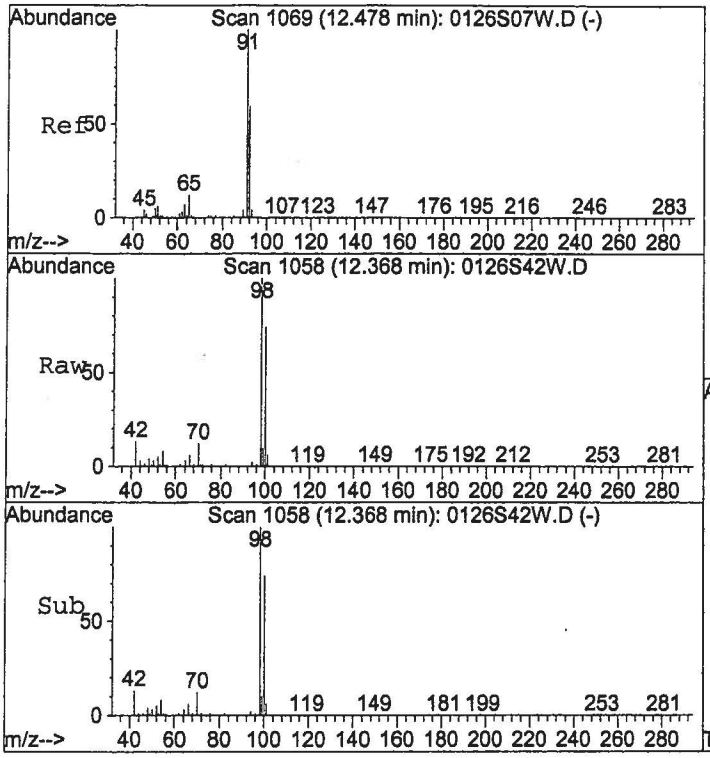
(#) = qualifier out of range (m) = manual integration
0126S42W.D SGAS.M Mon Feb 14 14:06:00 2011 Page 1

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

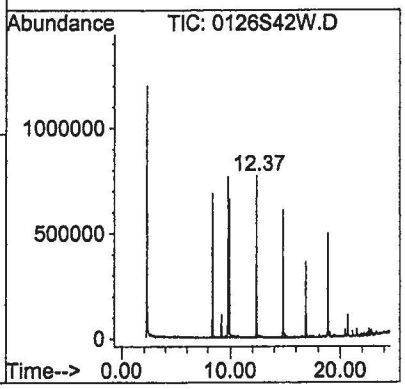
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration





#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

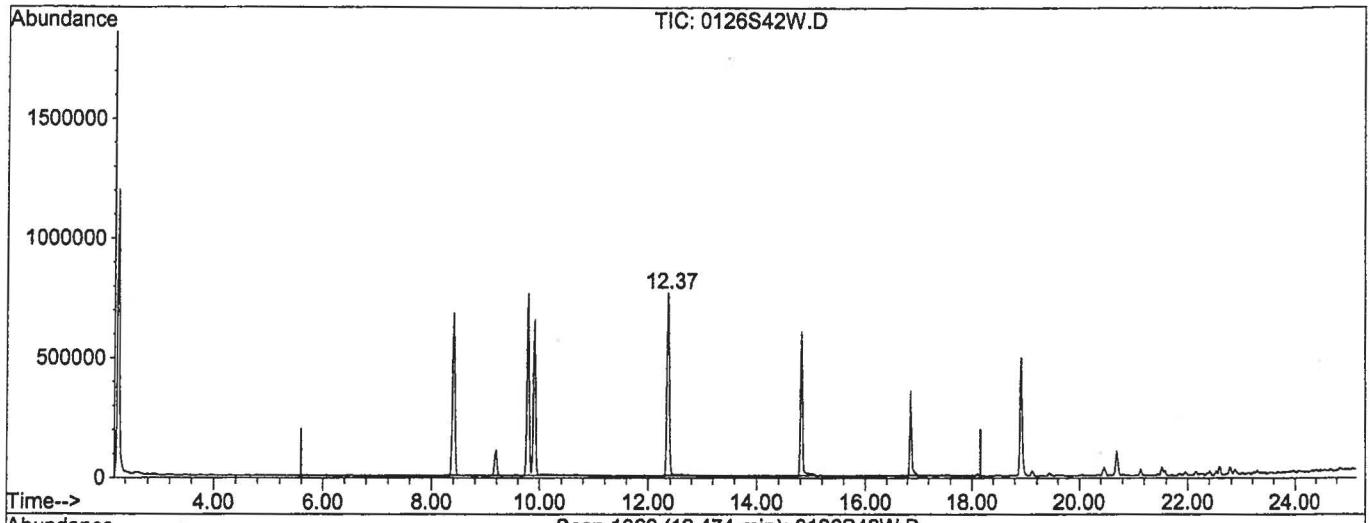
Tgt Ion:TIC Resp:12852713

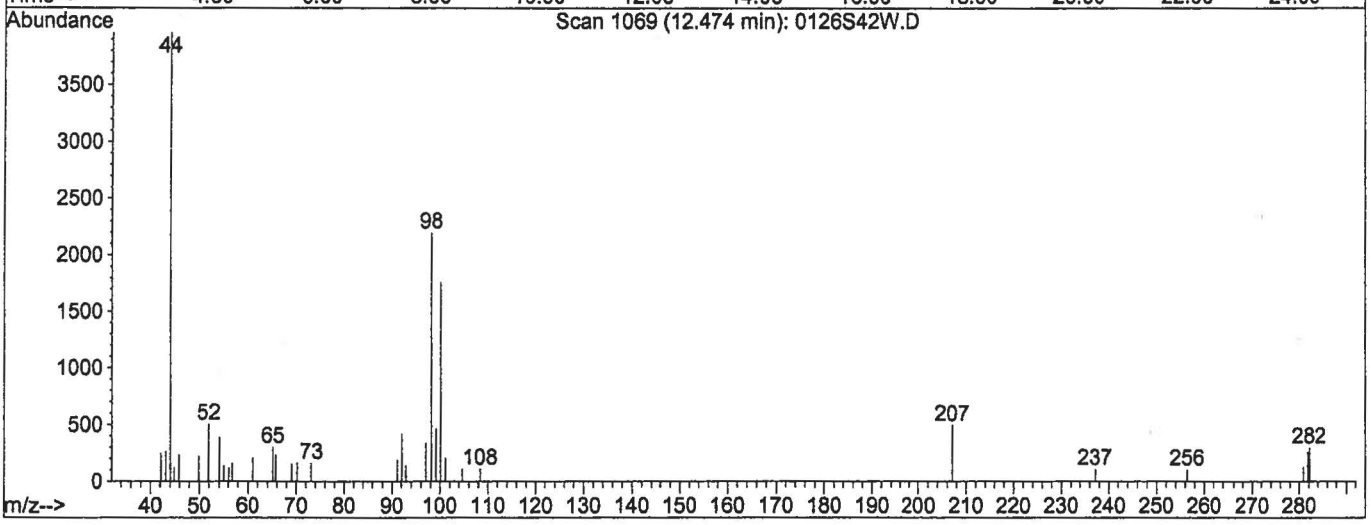


Quantitation Report

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

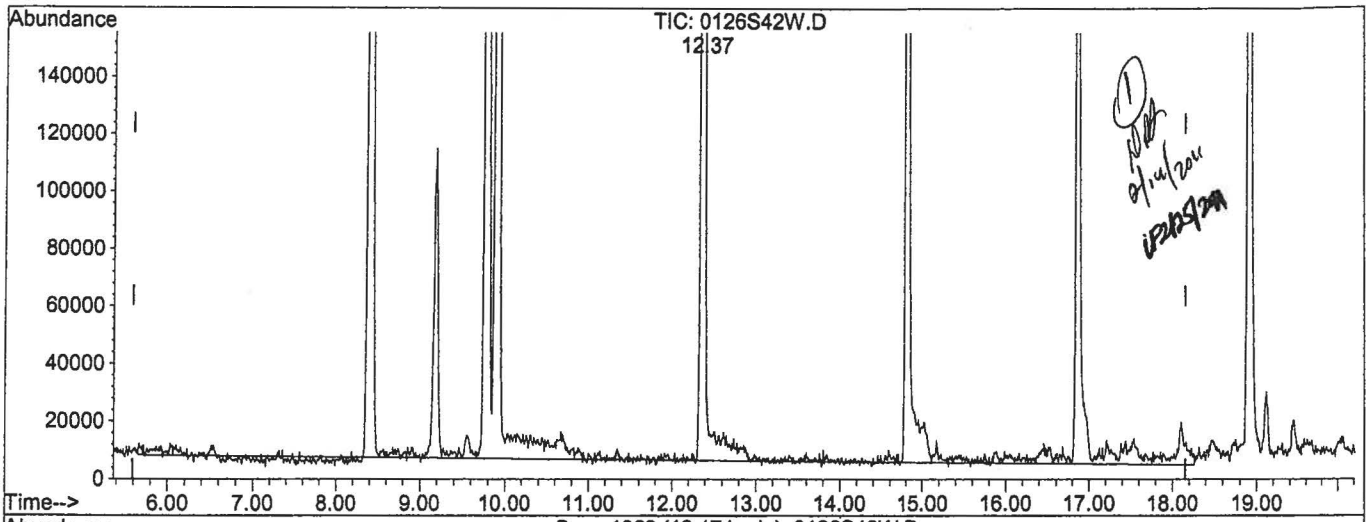
response 5691485

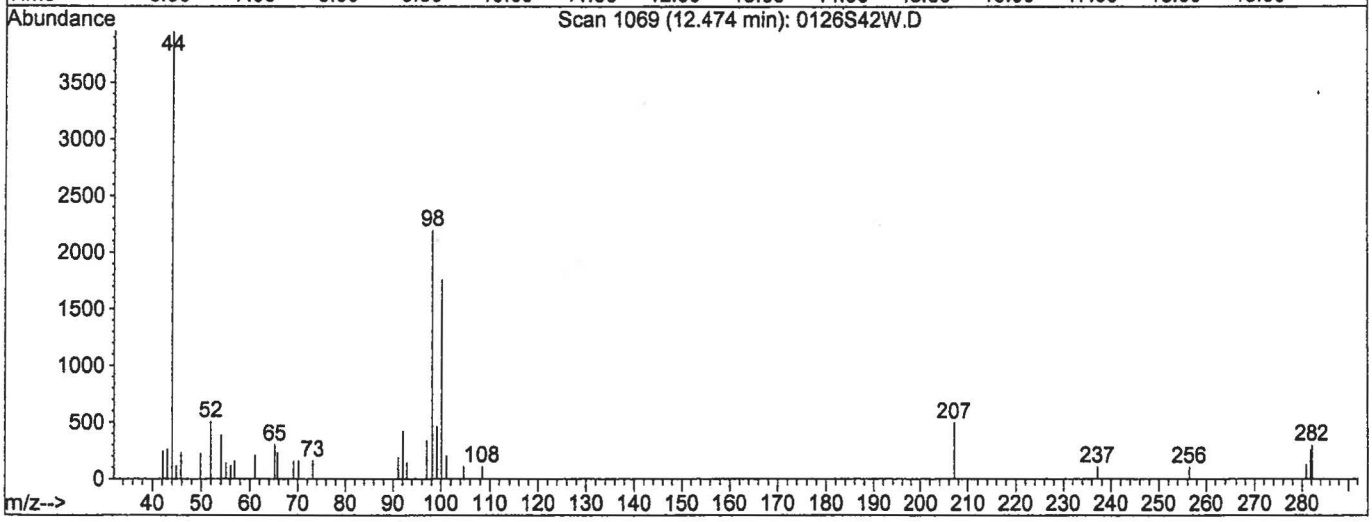
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.88#
0.00	0.00	2.51#
0.00	0.00	0.00

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)

12.37min 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

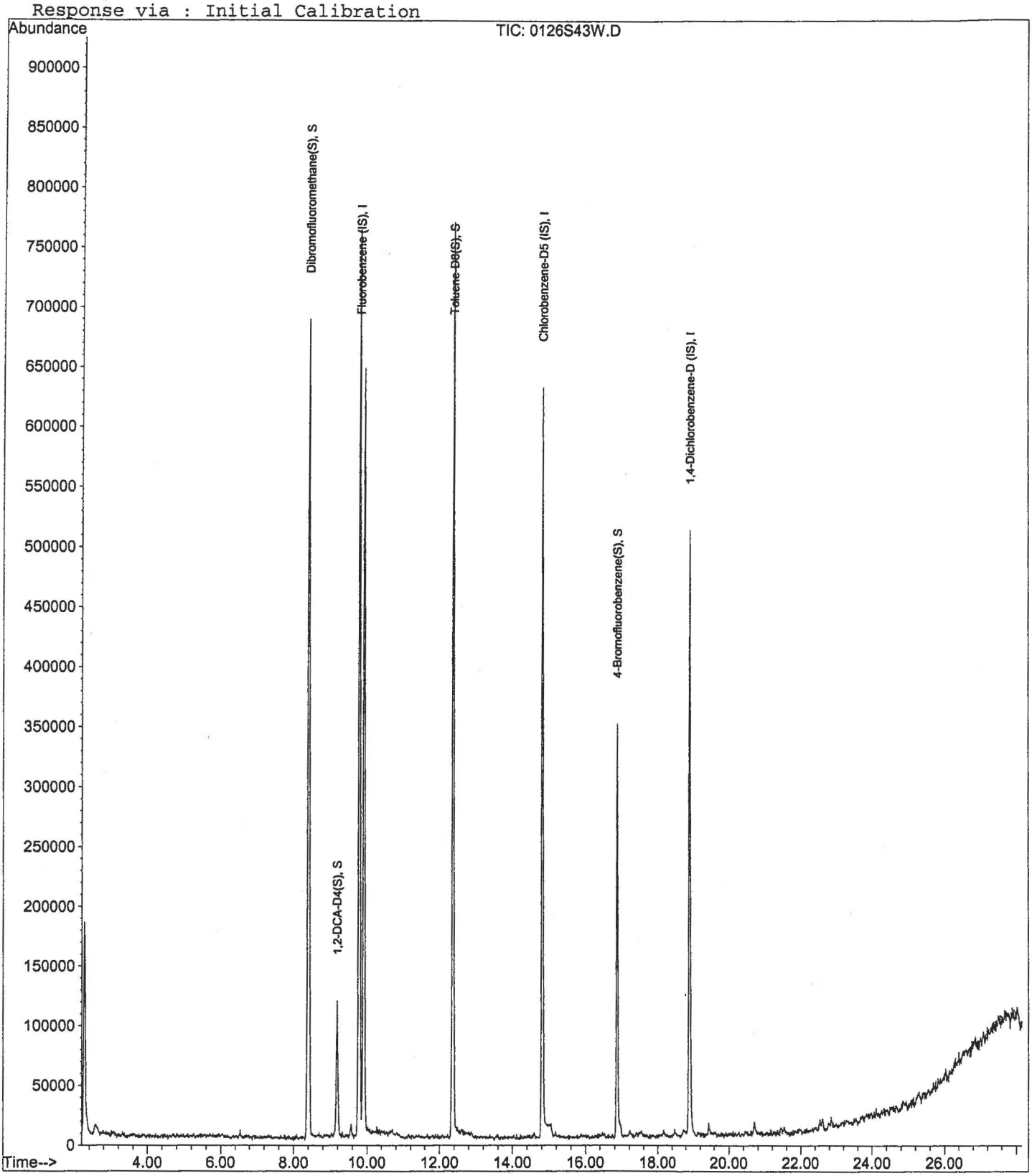
(#) = qualifier out of range (m) = manual integration

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 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



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 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%			

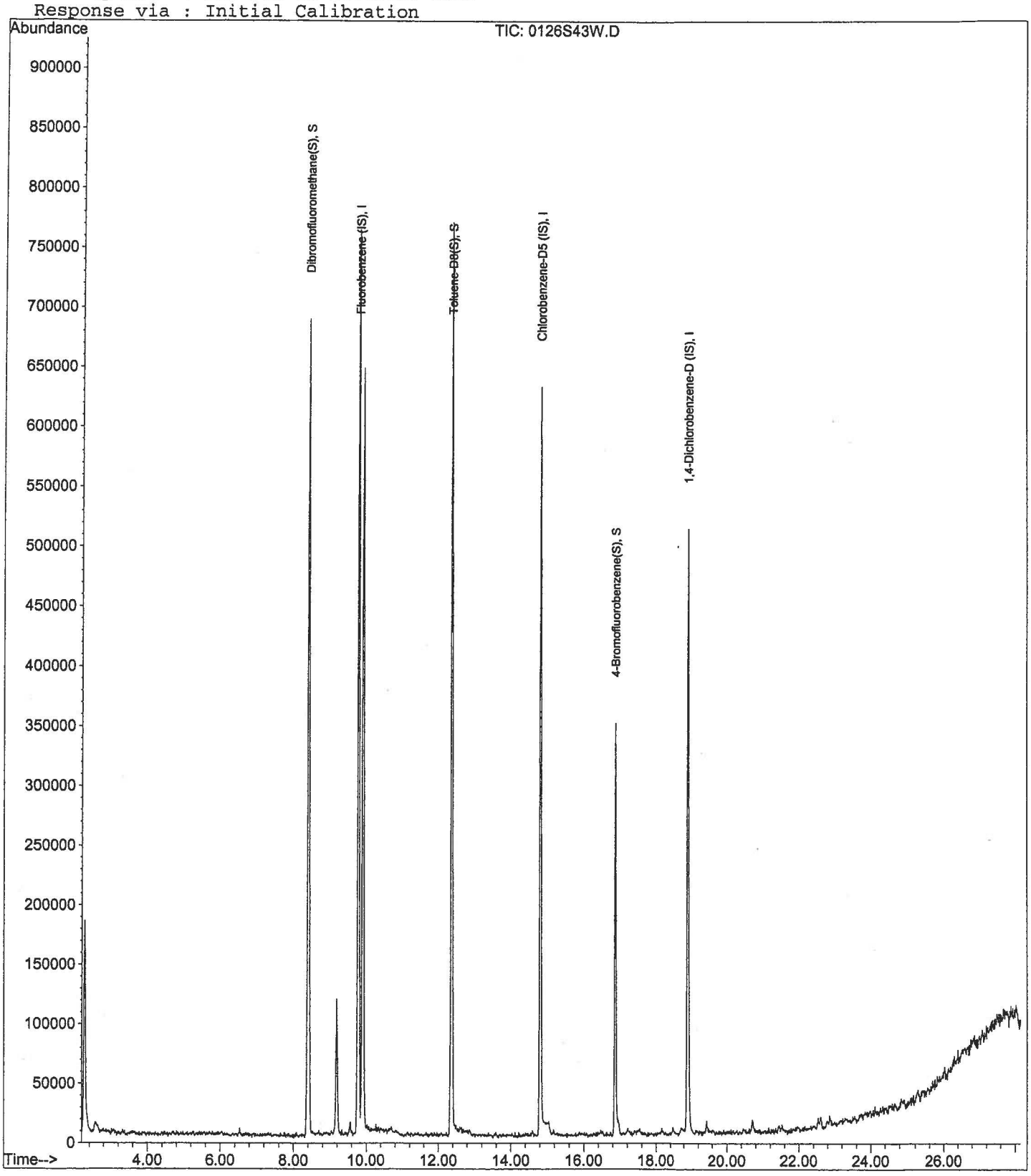
Target Compounds Qvalue

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

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

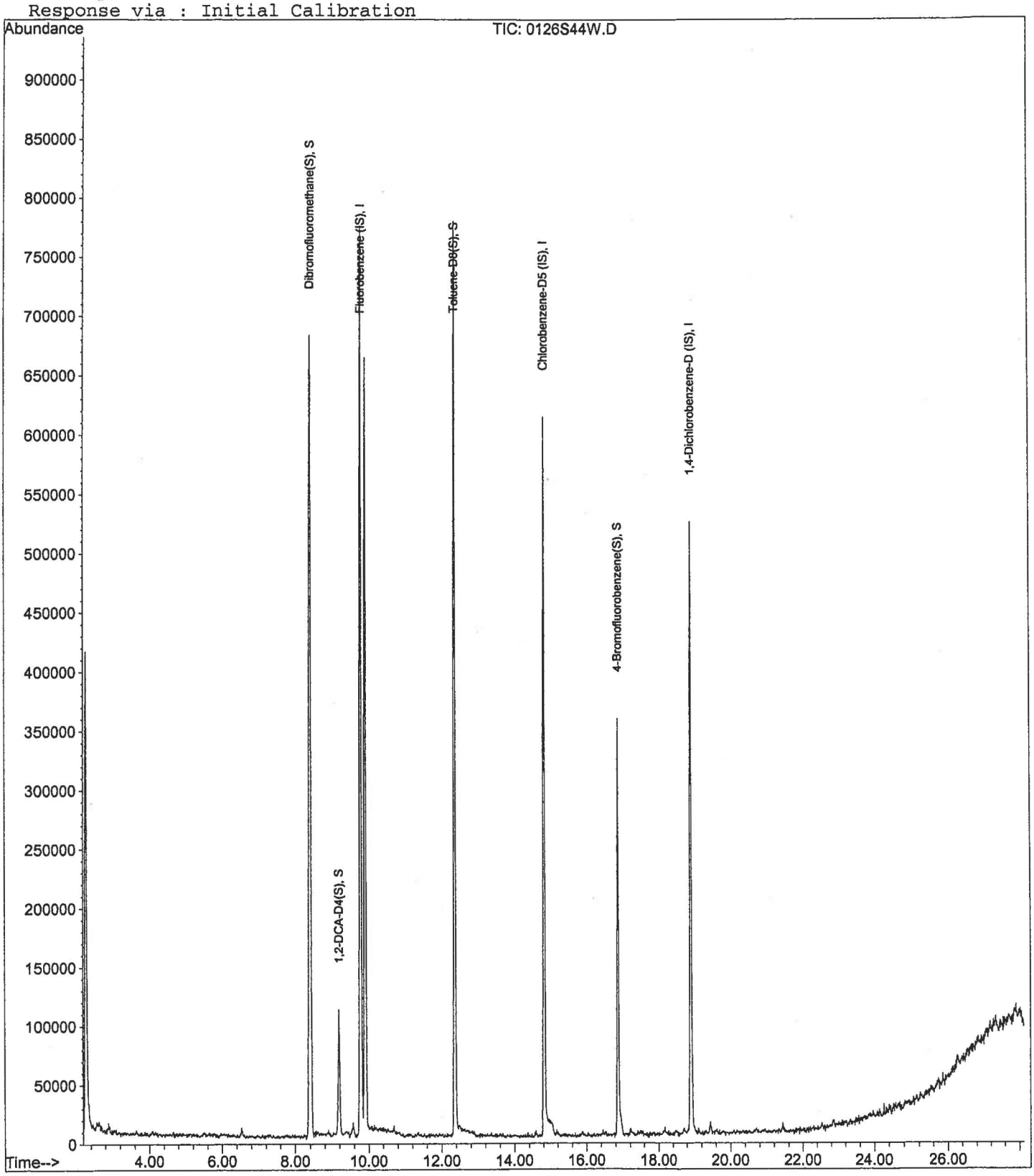
(#) = qualifier out of range (m) = manual integration

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



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

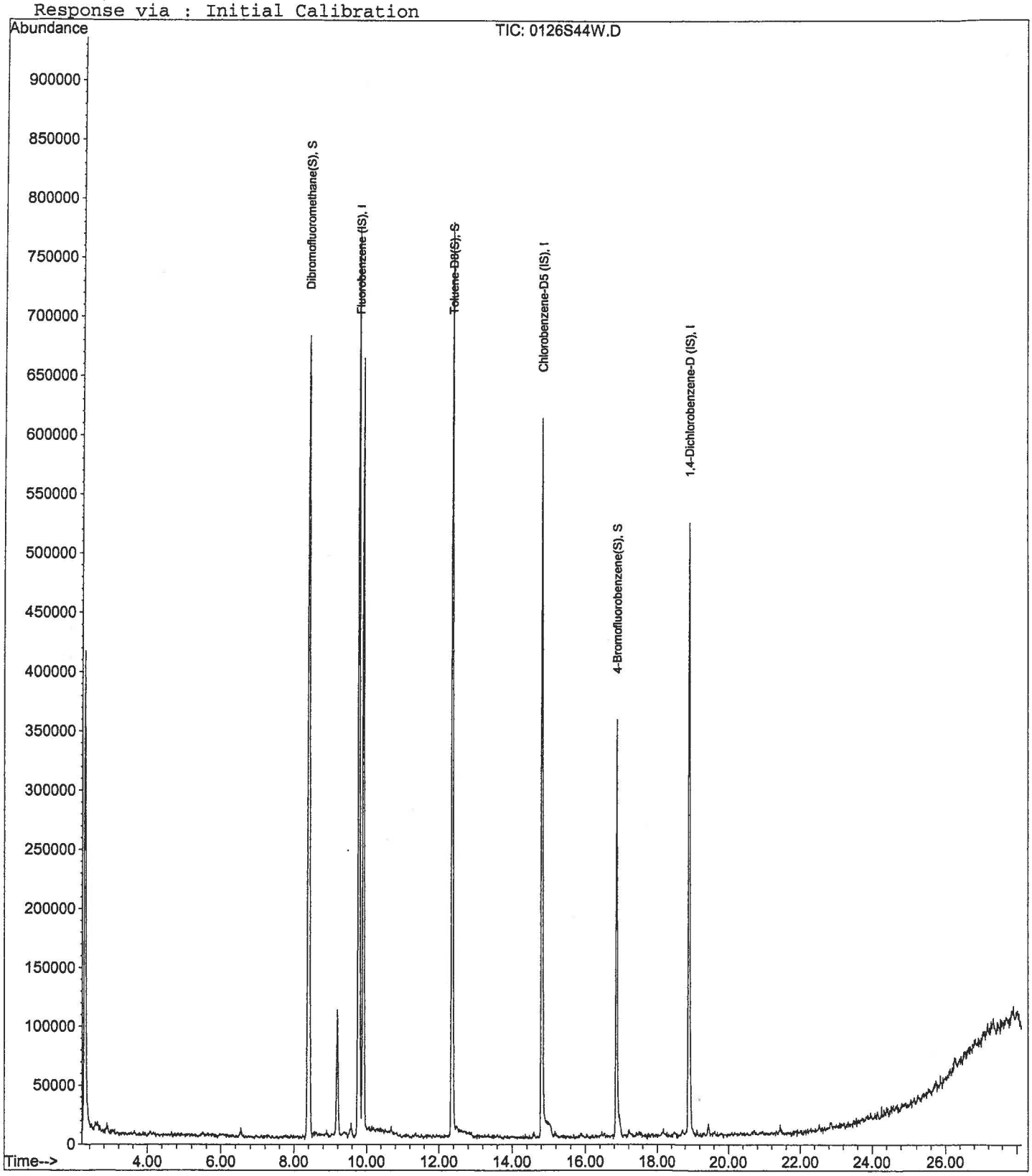
(#) = qualifier out of range (m) = manual integration

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

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	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

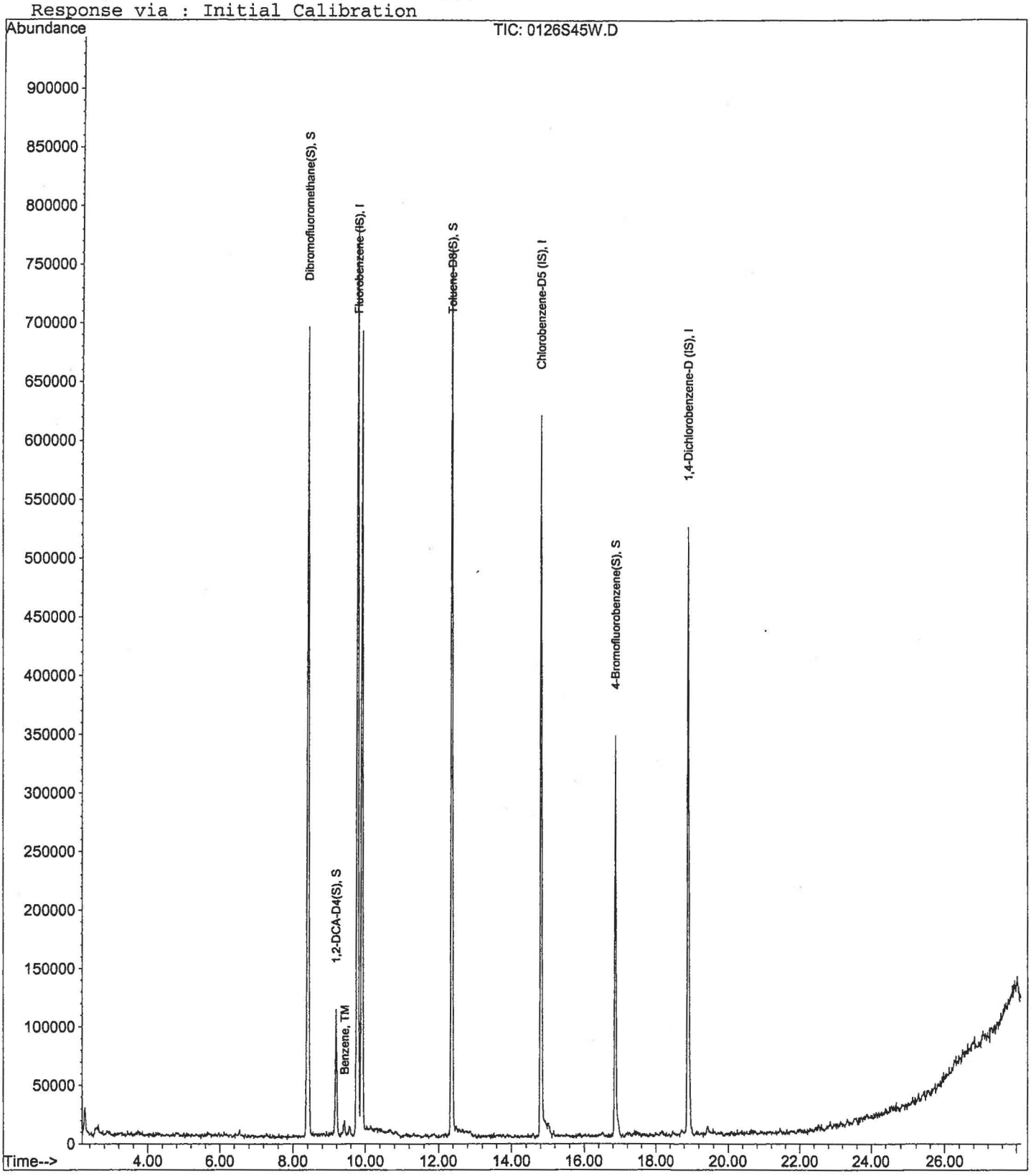
(#) = qualifier out of range (m) = manual integration

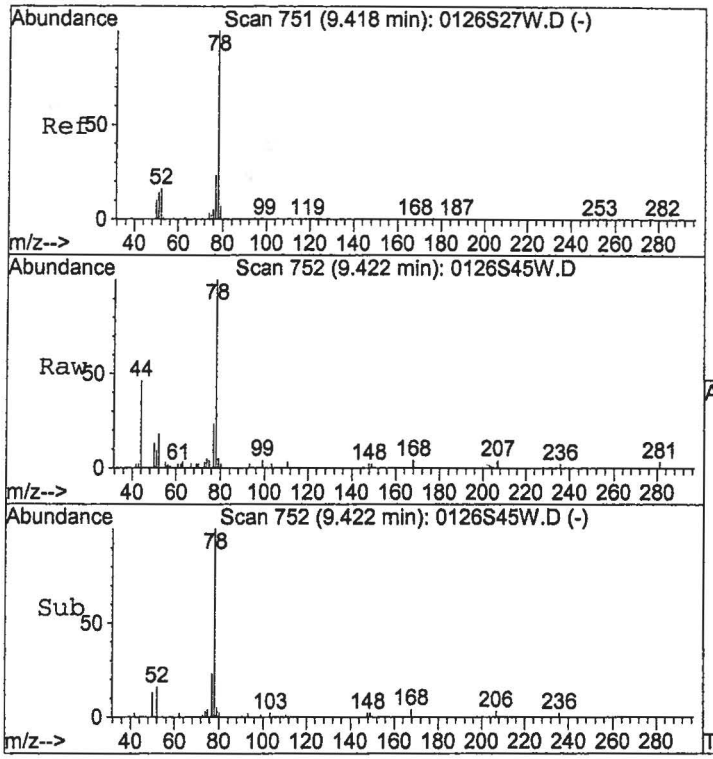
Quantitation Report

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

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

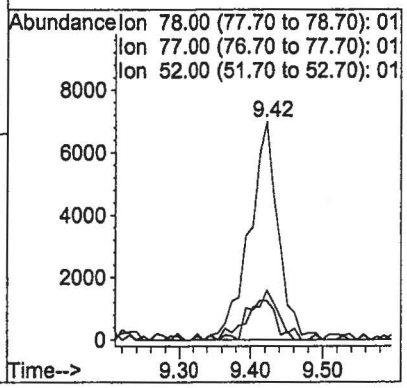




#26
Benzene
Concen: 0.53761 ppb
RT: 9.42 min Scan# 752
Delta R.T. 0.00 min
Lab File: 0126S45W.D
Acq: 27 Jan 11 15:15

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%		

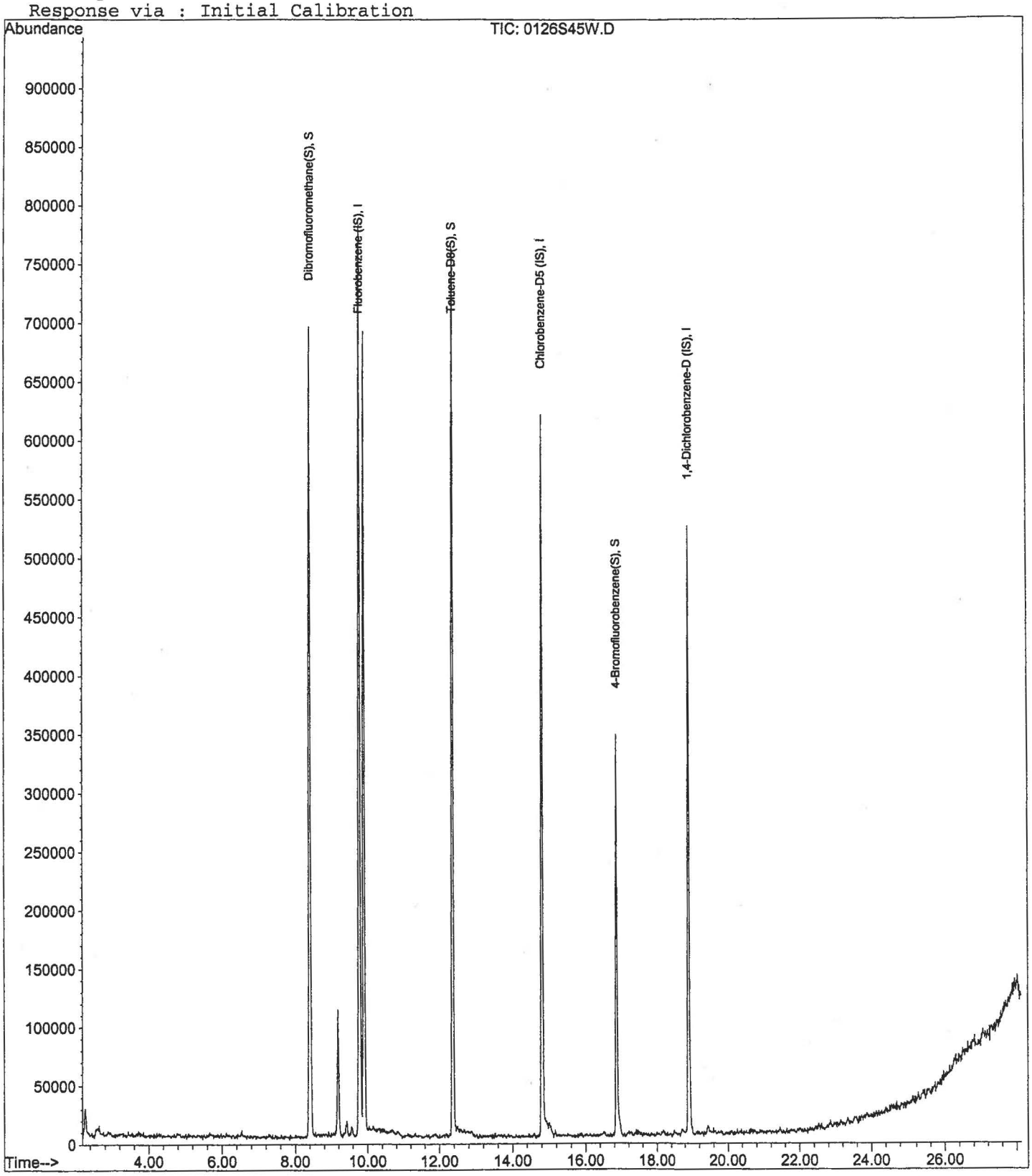
Target Compounds Qvalue

(#) = 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

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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	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

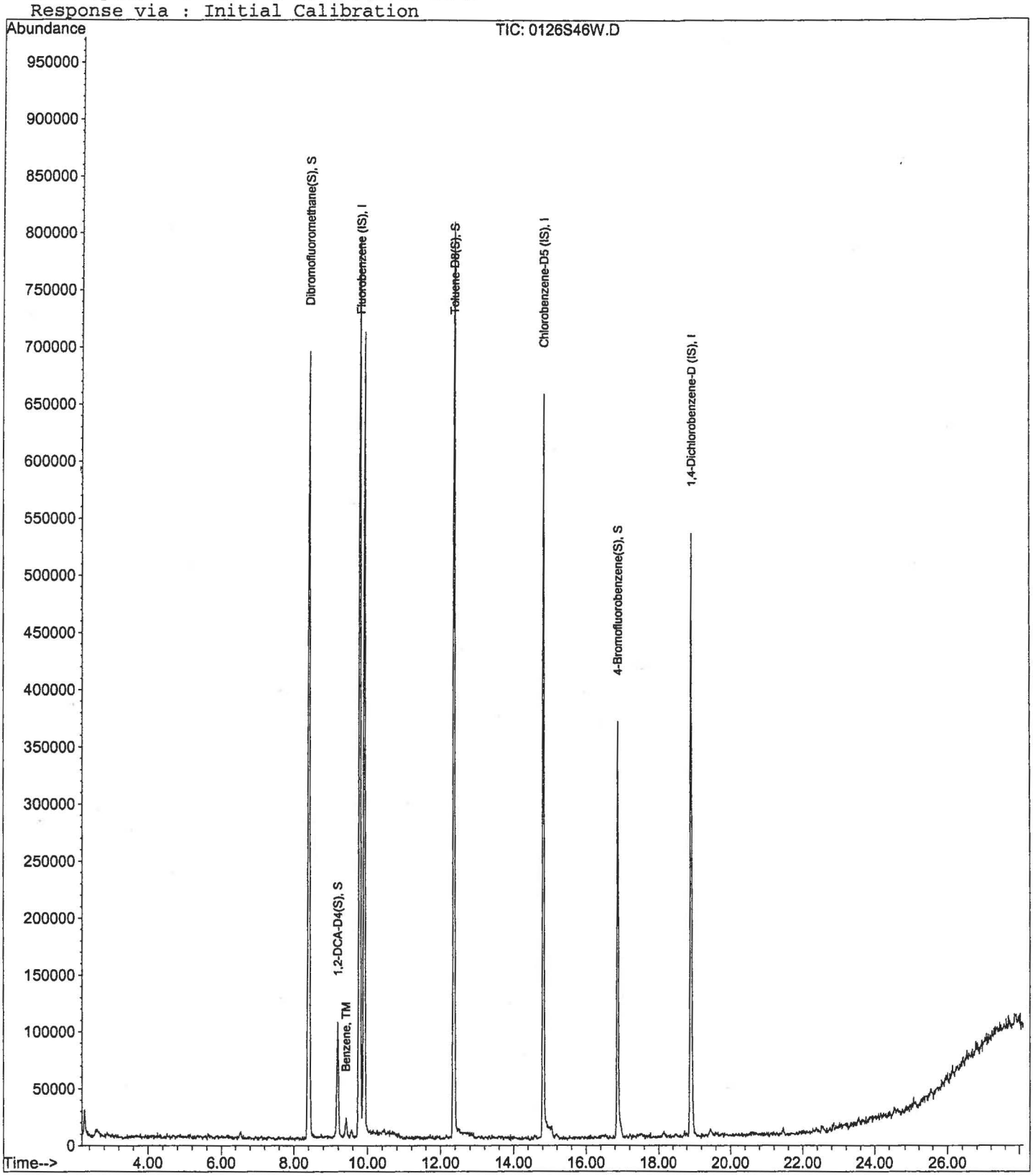
(#) = qualifier out of range (m) = manual integration

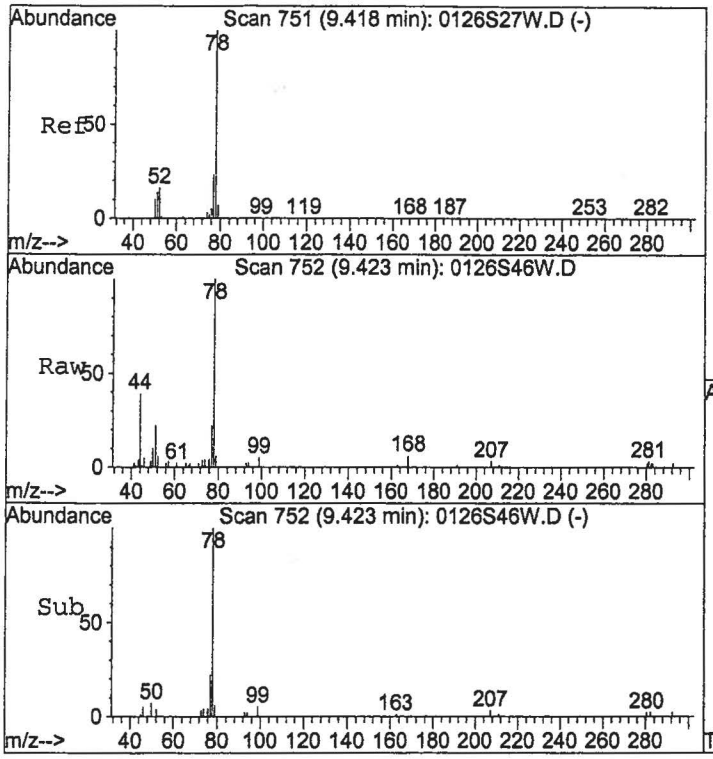
Quantitation Report

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

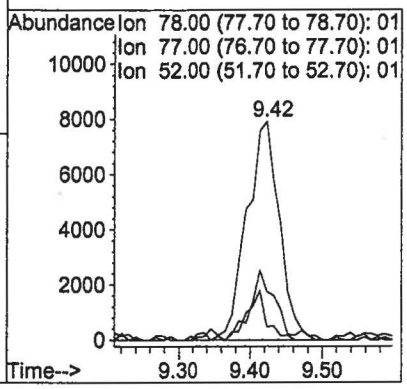




#26
Benzene
Concen: 0.68621 ppb
RT: 9.42 min Scan# 752
Delta R.T. 0.00 min
Lab File: 0126S46W.D
Acq: 27 Jan 11 15:51

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%		

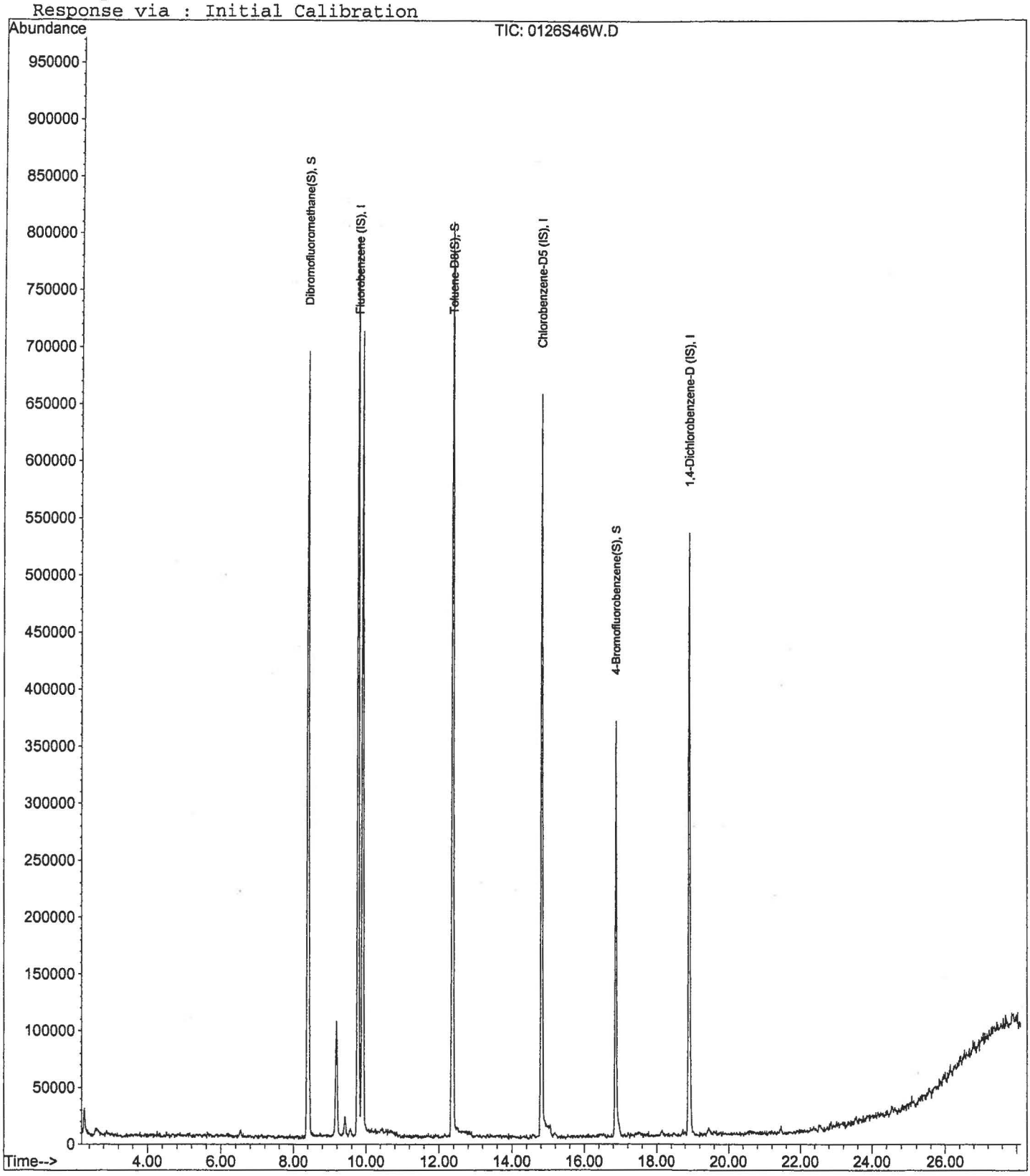
Target Compounds Qvalue

(#) = 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

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	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

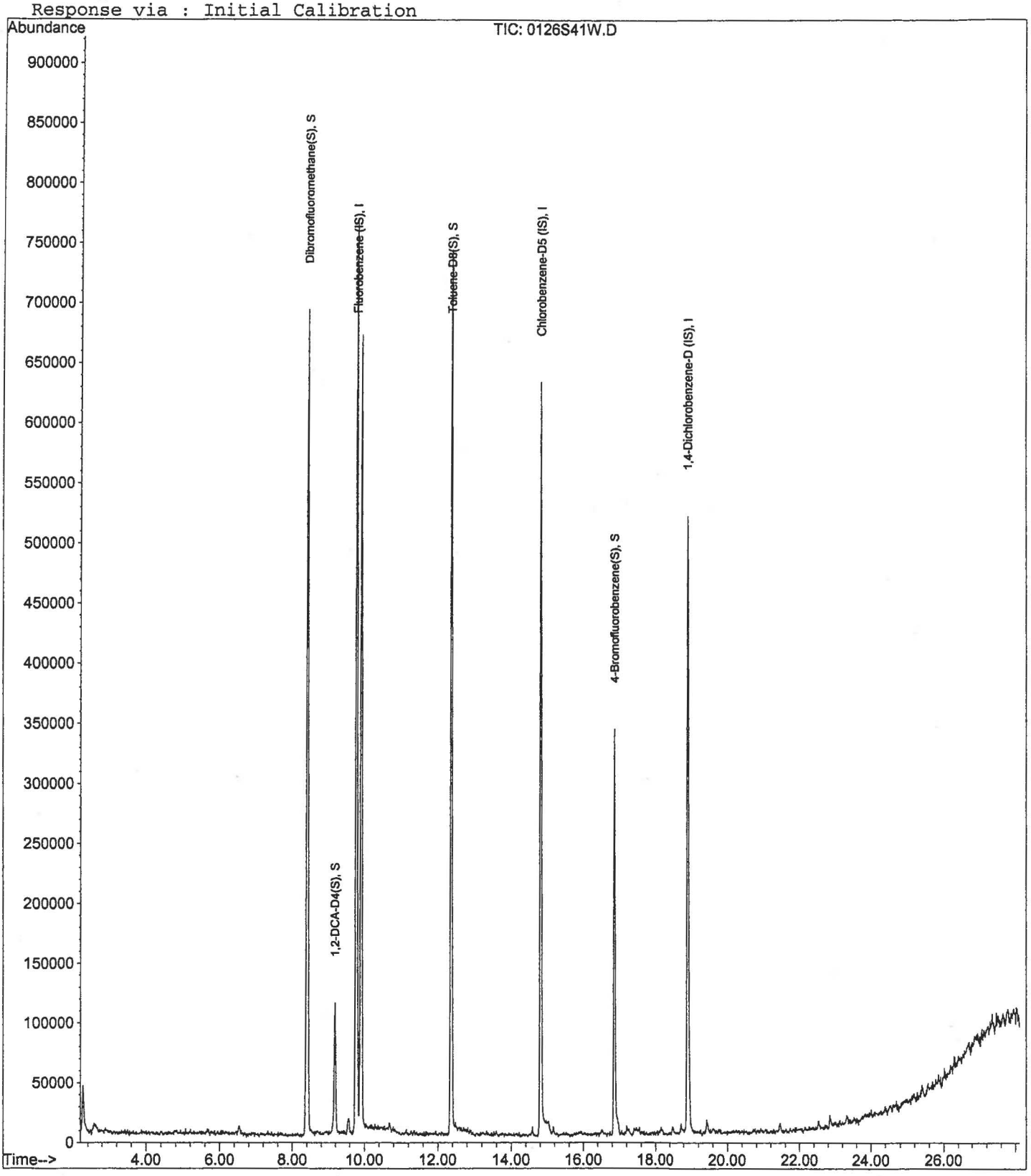
(#) = qualifier out of range (m) = manual integration

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



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%		

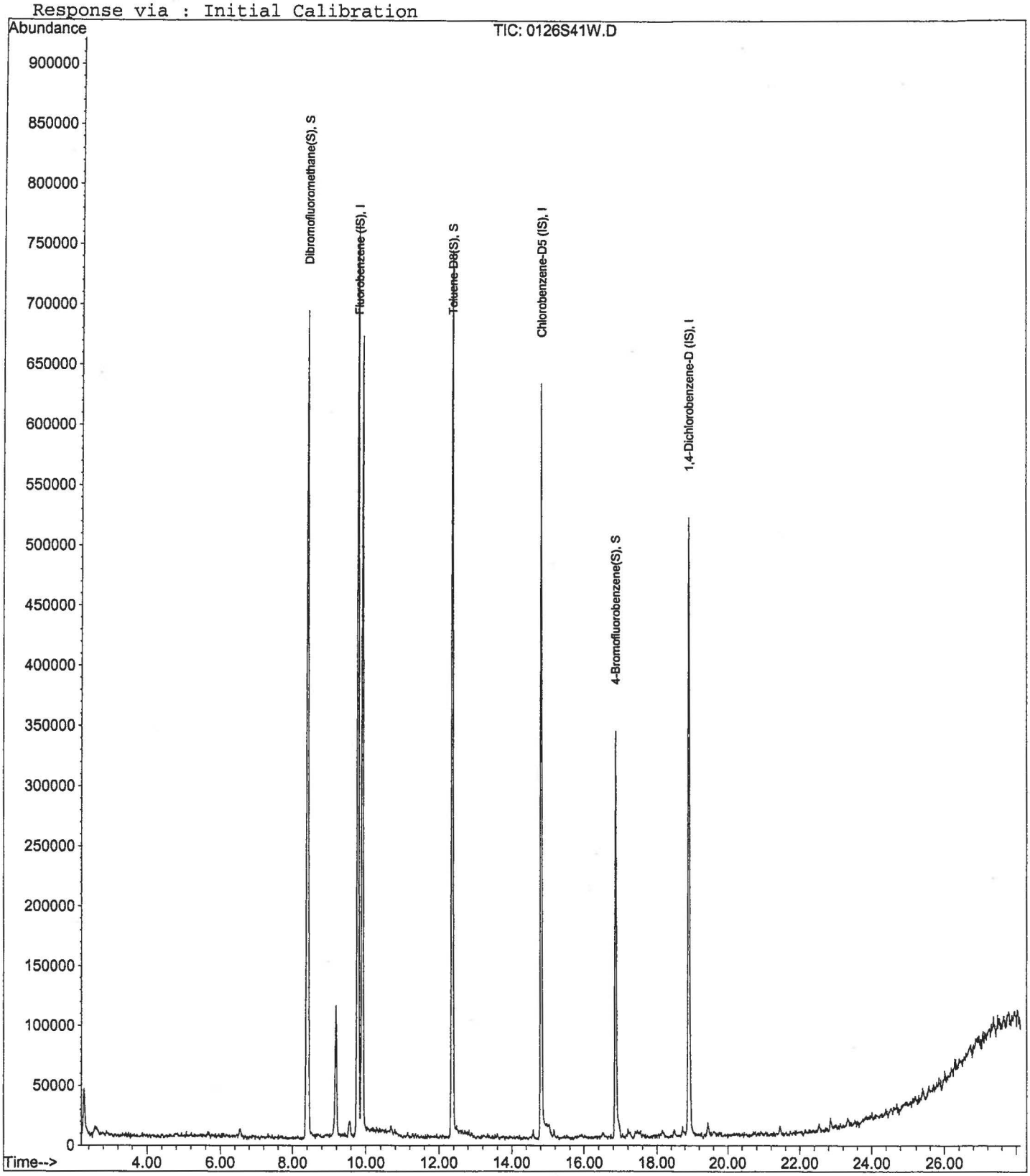
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0126S41W.D SGAS.M Mon Feb 14 10:45:56 2011 Page 1

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:

		Compound	0.3	0.5	1	5	10	20	40	100	200		Avg	%RSD		
			0126S23W.D	0126S24W.D	0126S25W.D	0126S26W.D	0126S27W.D	0126S28W.D	0126S29W.D	0126S30W.D	0126S31W.D					
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	

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																
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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

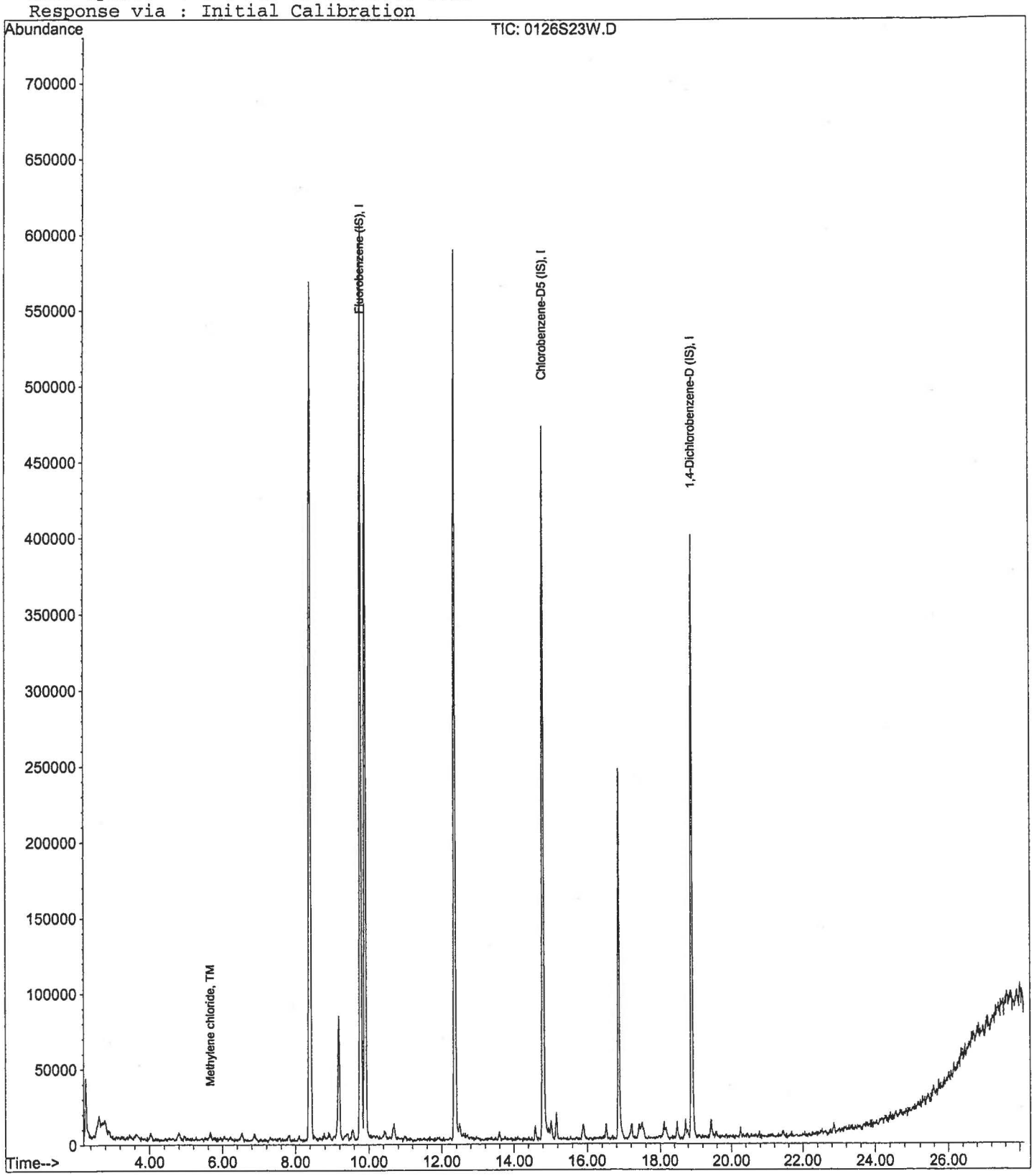
(#) = qualifier out of range (m) = manual integration

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



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

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

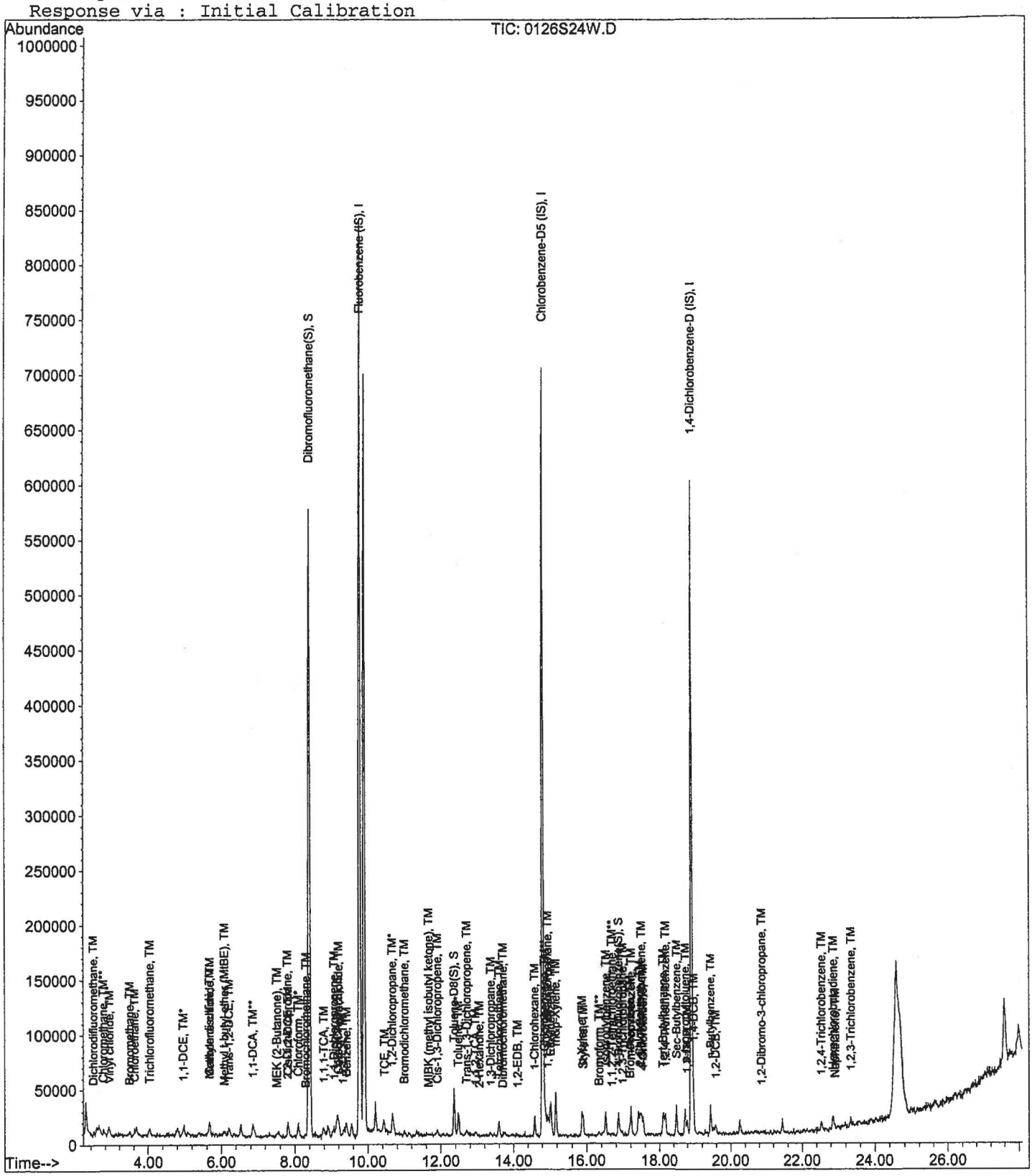
(#) = qualifier out of range (m) = manual integration

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						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

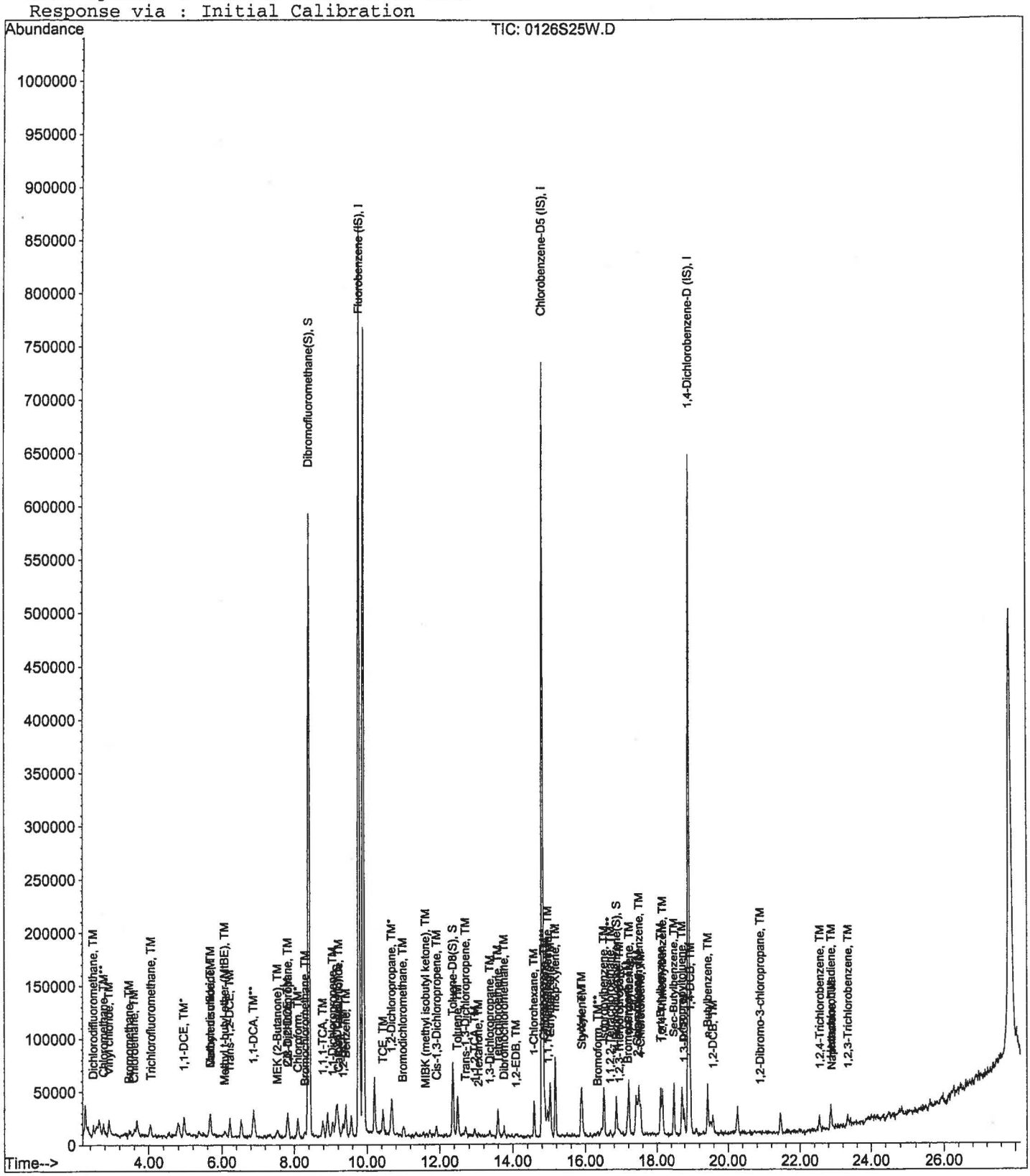
(#) = qualifier out of range (m) = manual integration

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

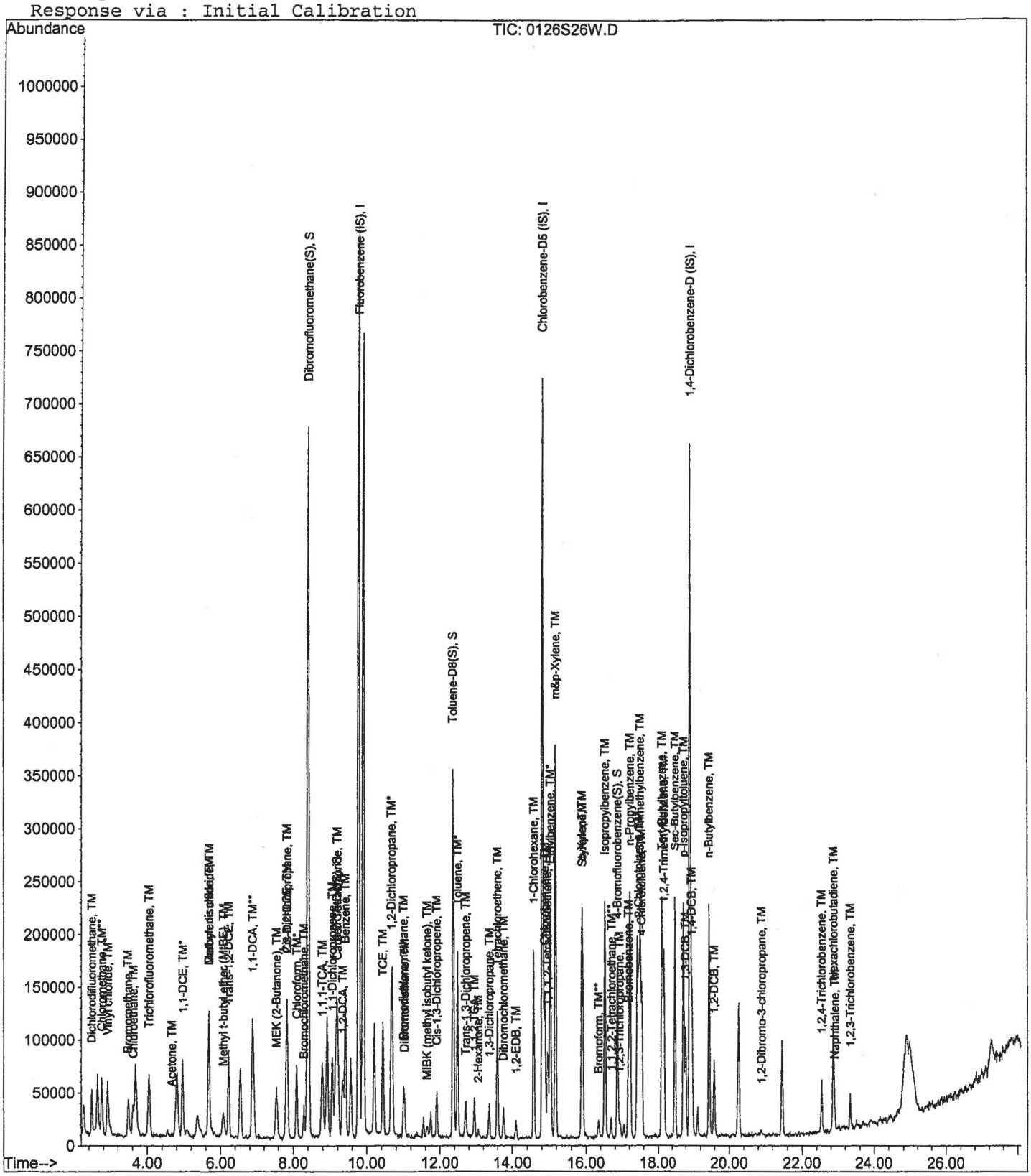
(#) = qualifier out of range (m) = manual integration

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

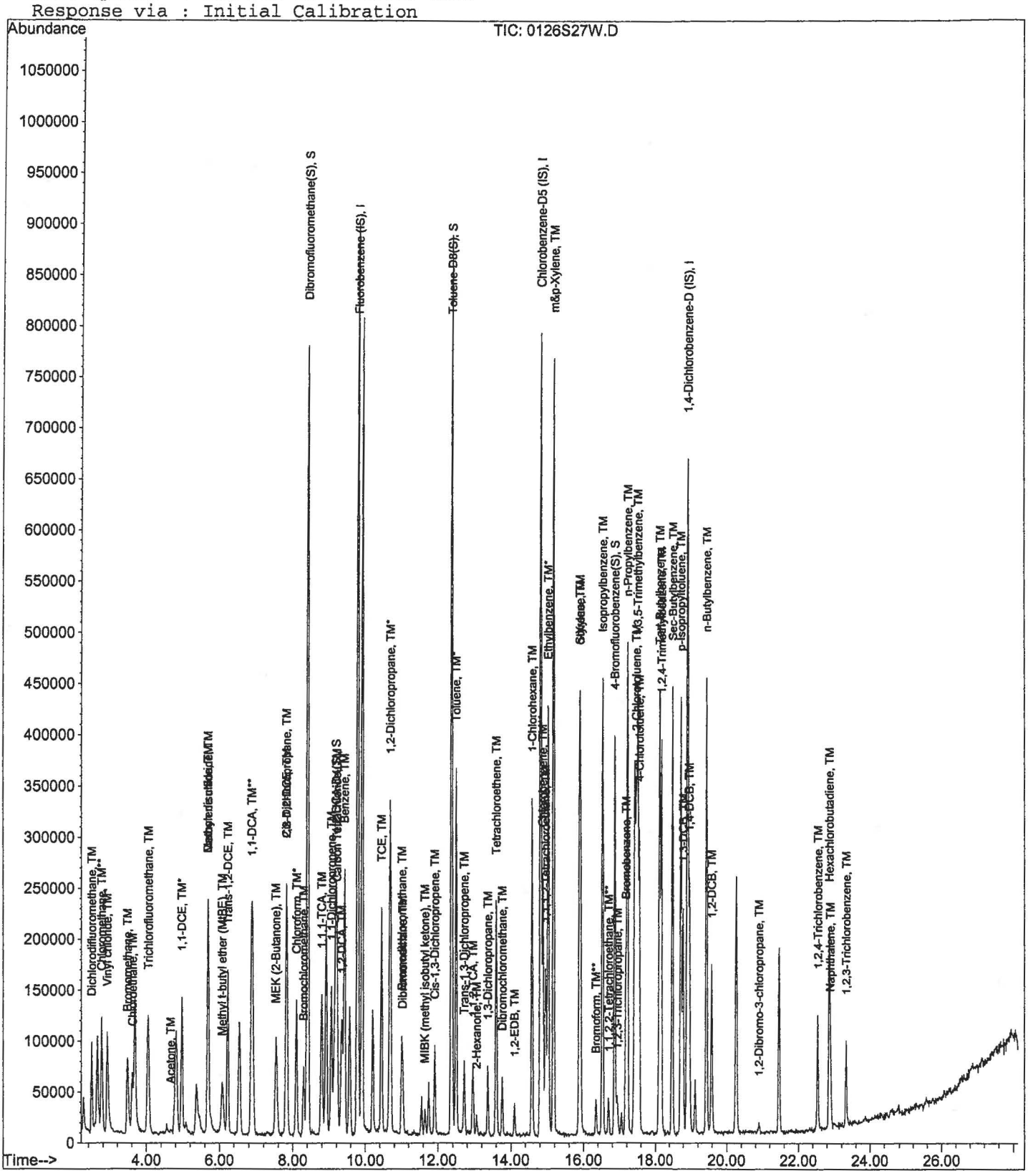
(#) = qualifier out of range (m) = manual integration

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

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

	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

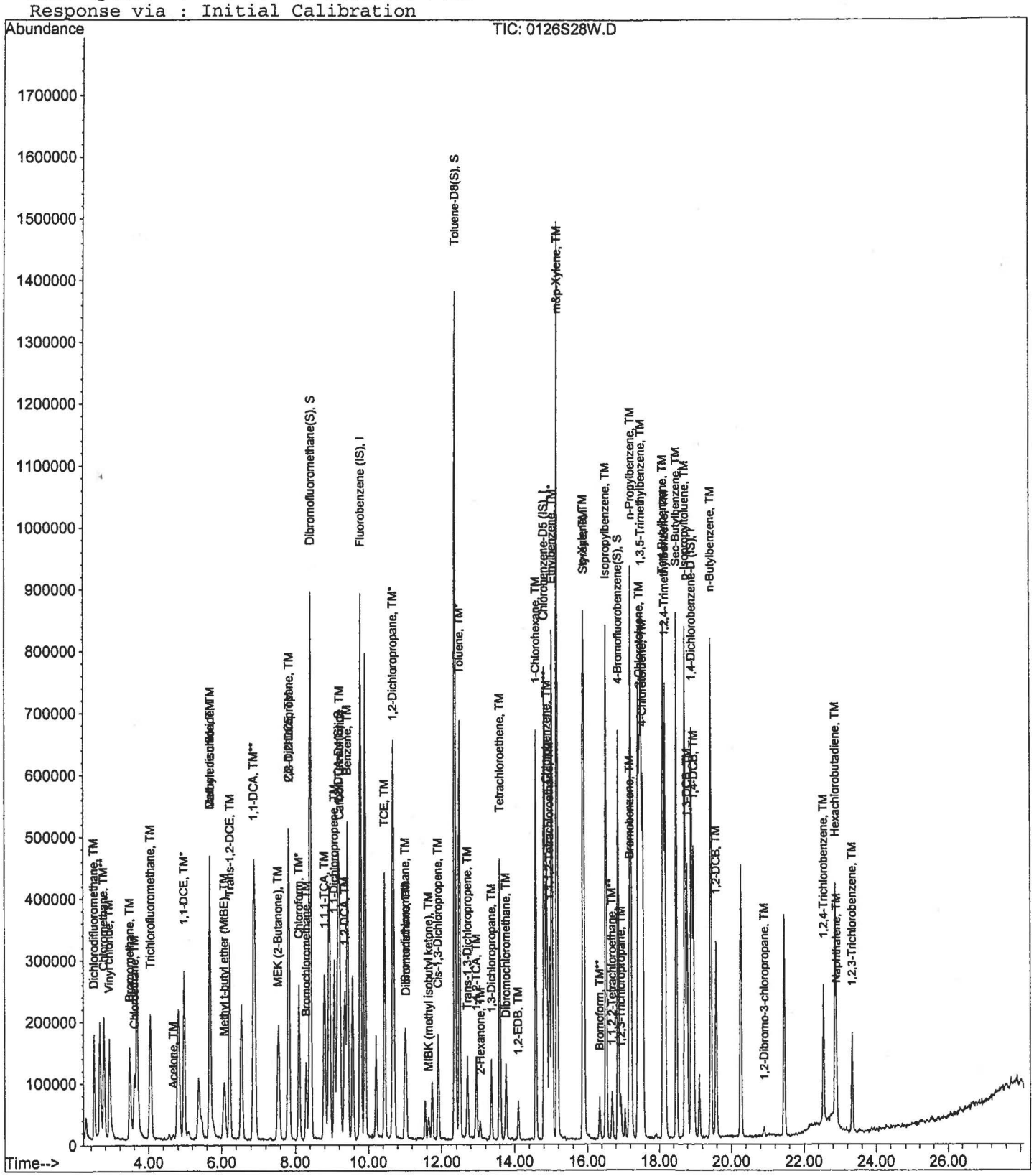
(#) = qualifier out of range (m) = manual integration

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						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

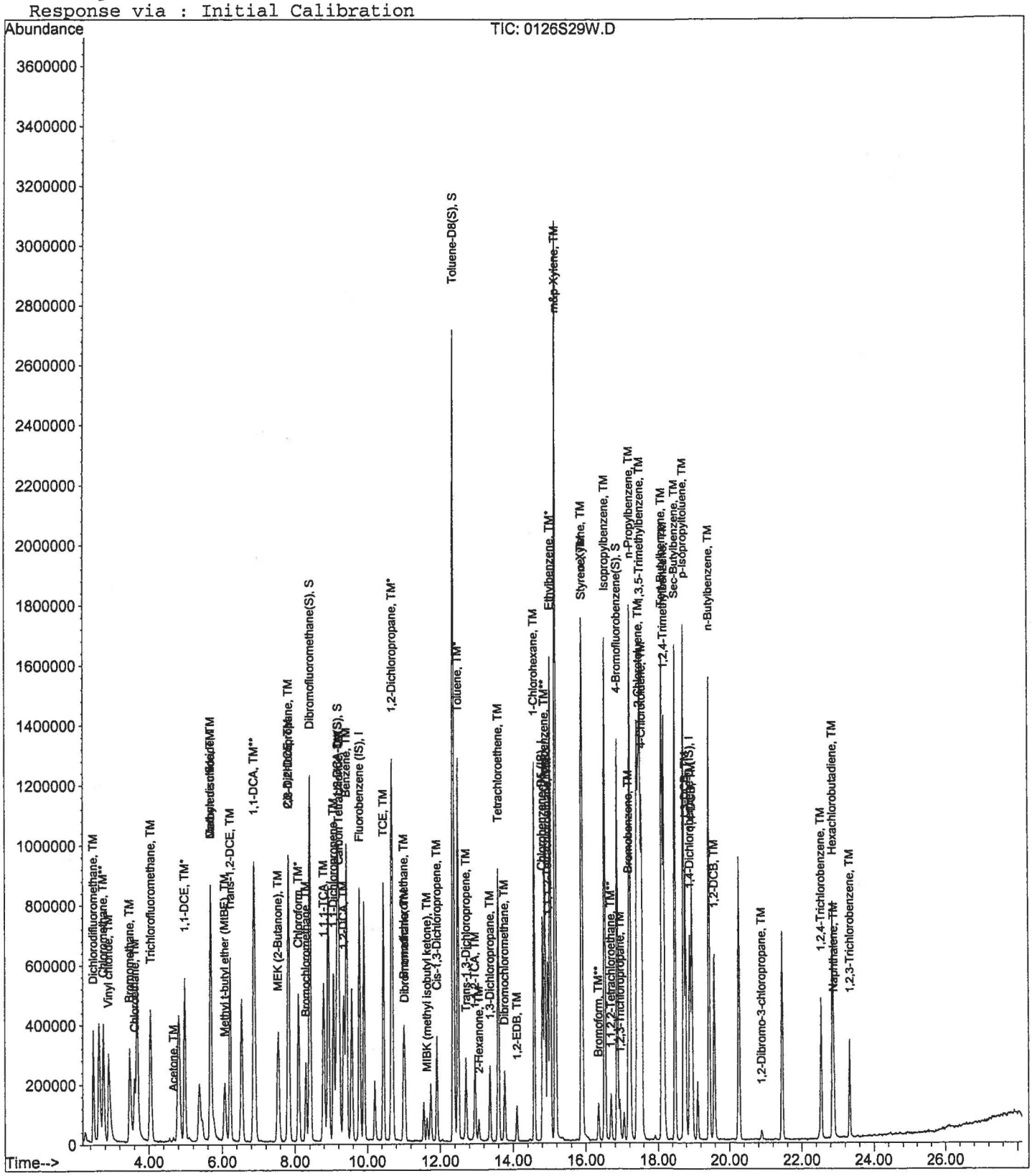
(#) = qualifier out of range (m) = manual integration

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

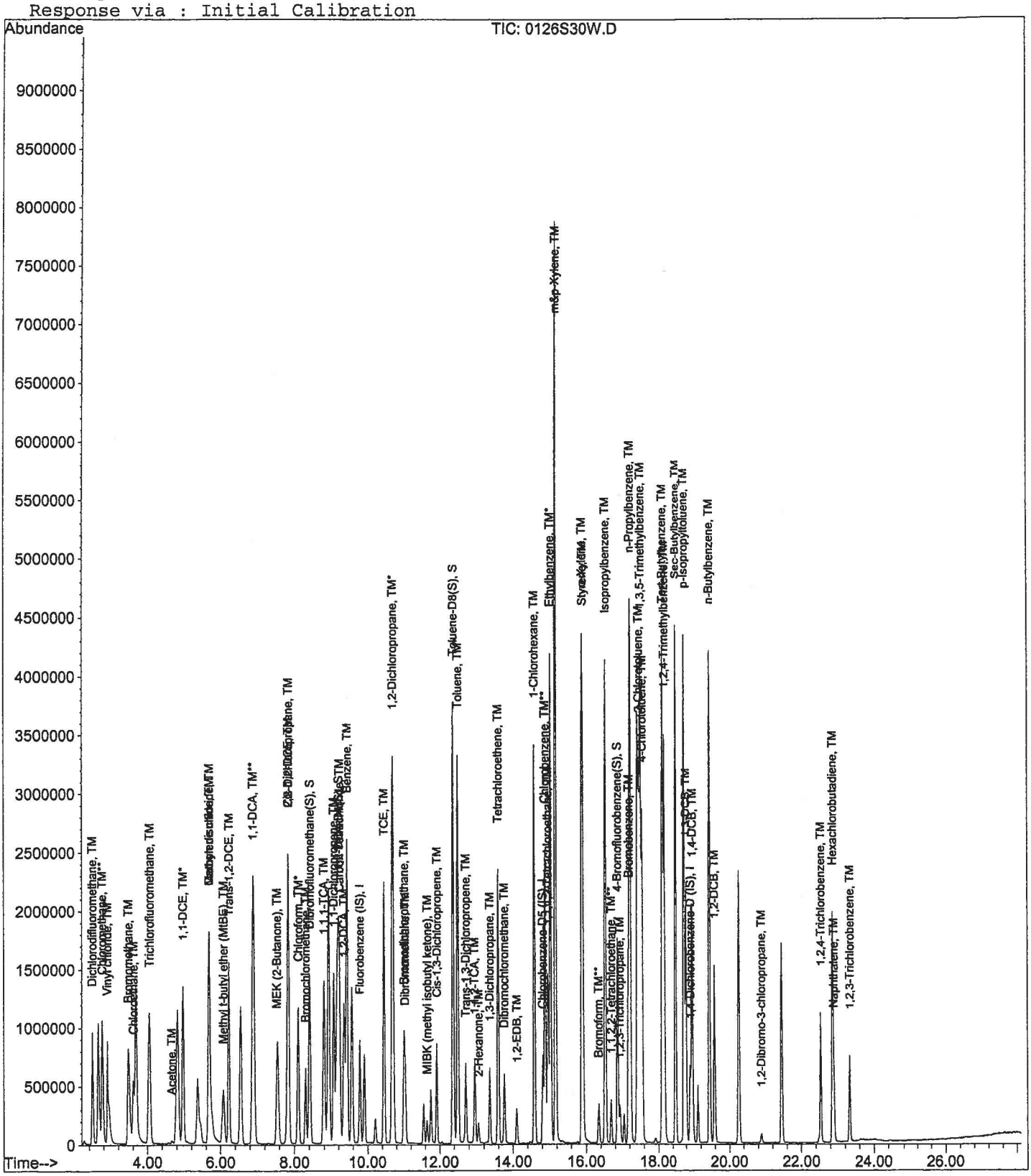
(#) = qualifier out of range (m) = manual integration

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						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

	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

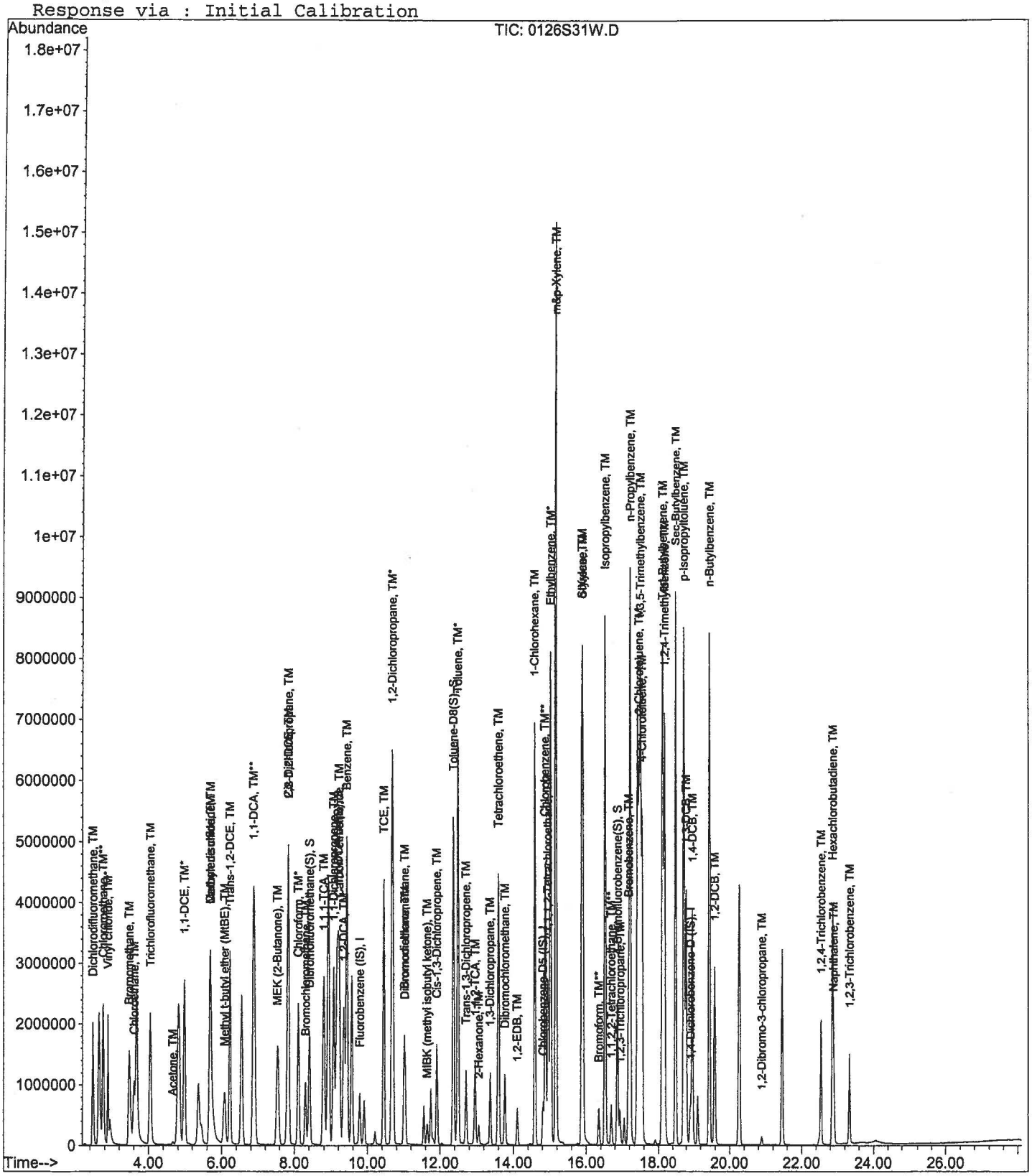
(#) = qualifier out of range (m) = manual integration

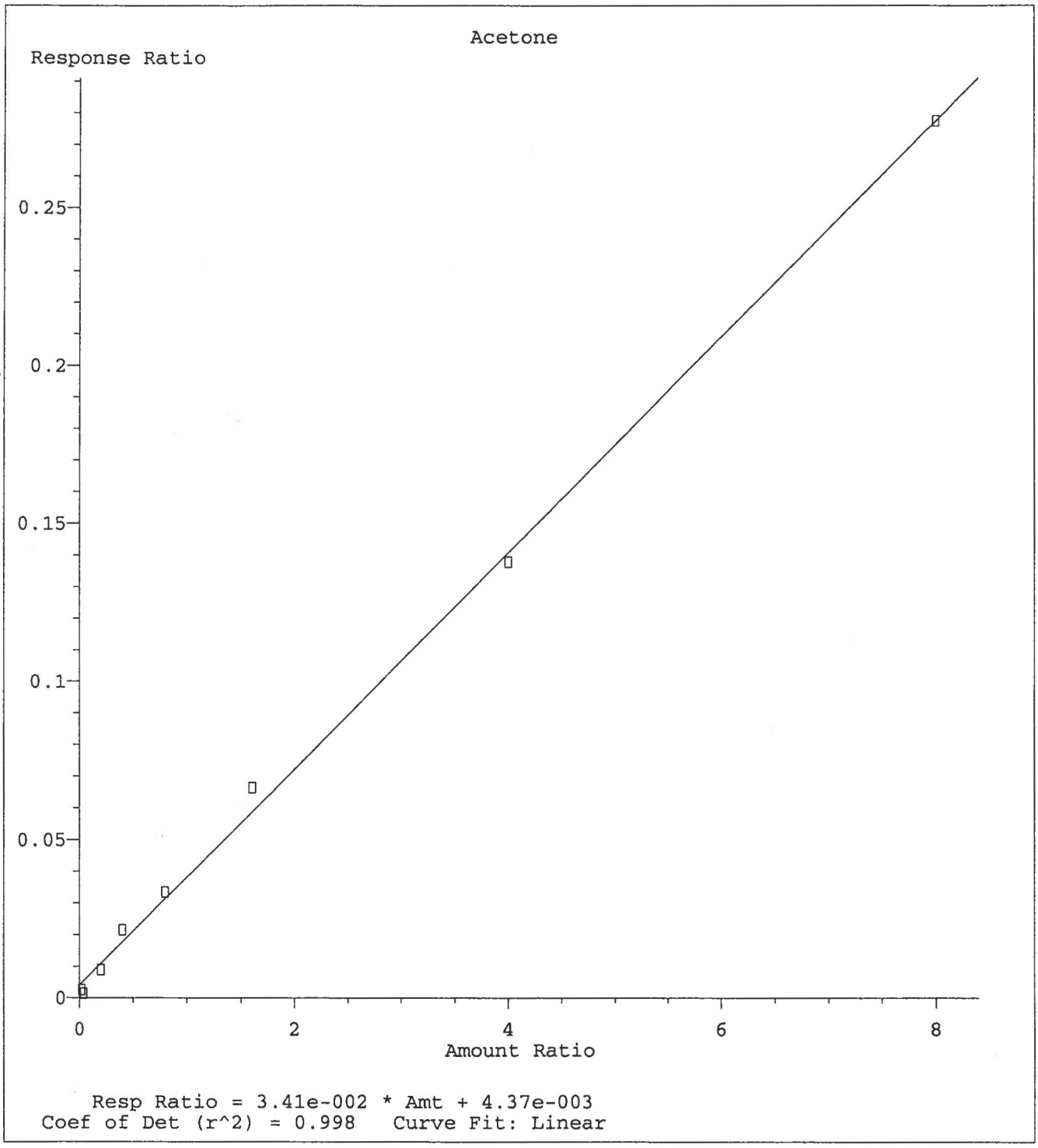
Quantitation Report

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

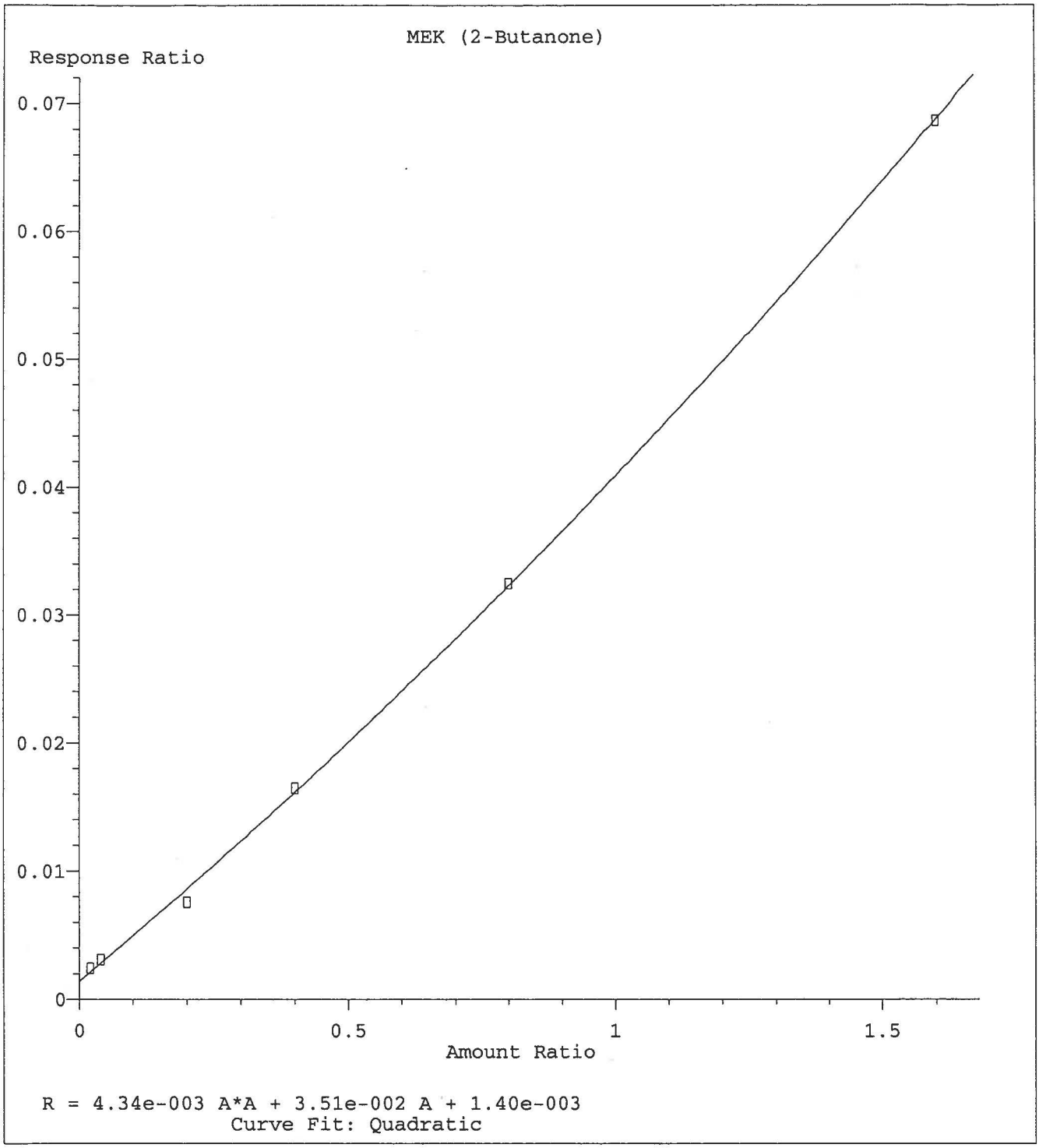
Quant Time: Feb 10 13:47 2011 Quant Results File: S86DODW.RES

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

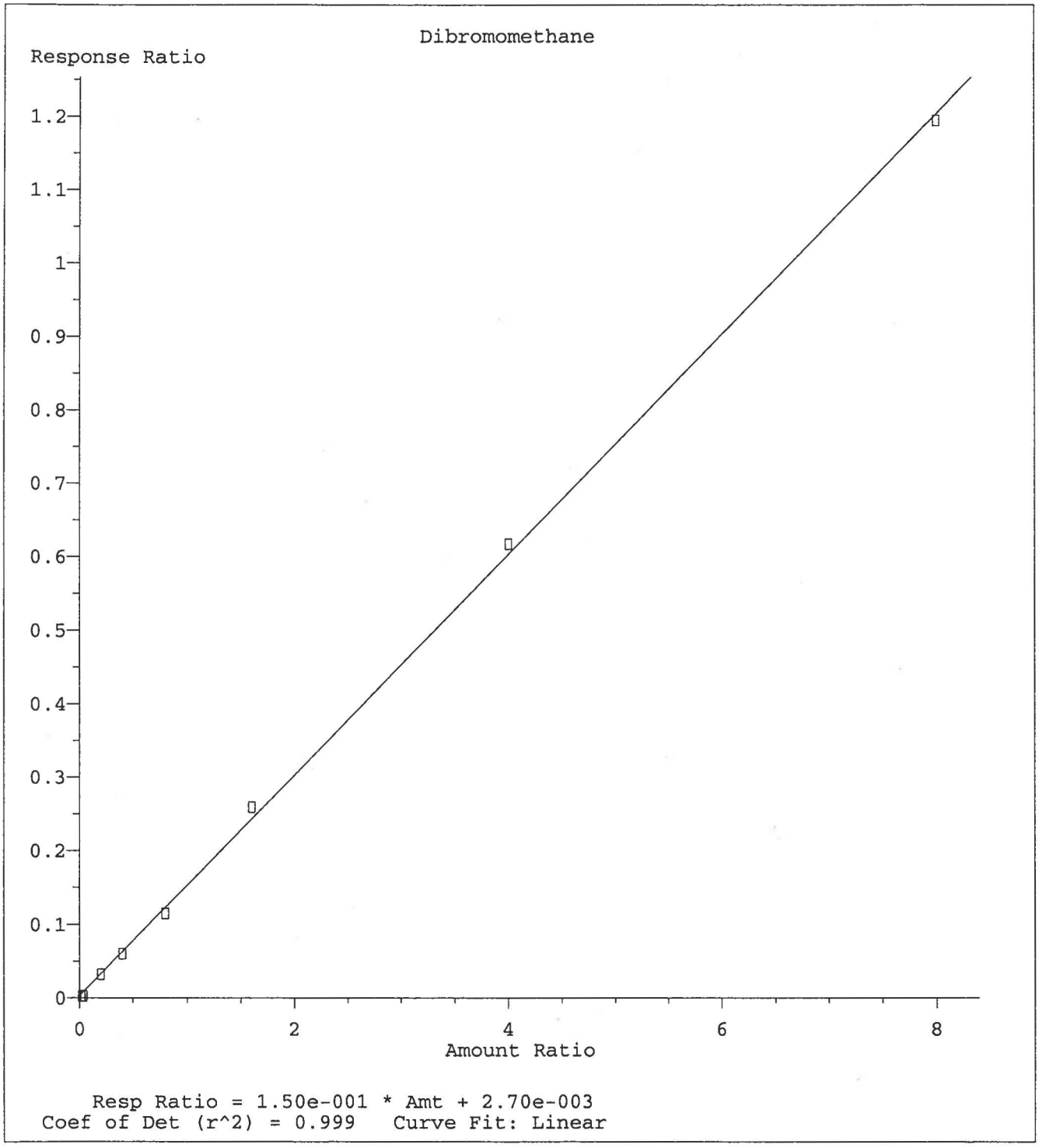




Method Name: M:\SWEETPEA\DATA\S110126\S86DODW.M
Calibration Table Last Updated: Thu Feb 10 13:45:43 2011



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. SDG No: 63706
Case No: Date Analyzed: 1/27/11
Matrix: 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		88
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

19.69458

(#) = 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

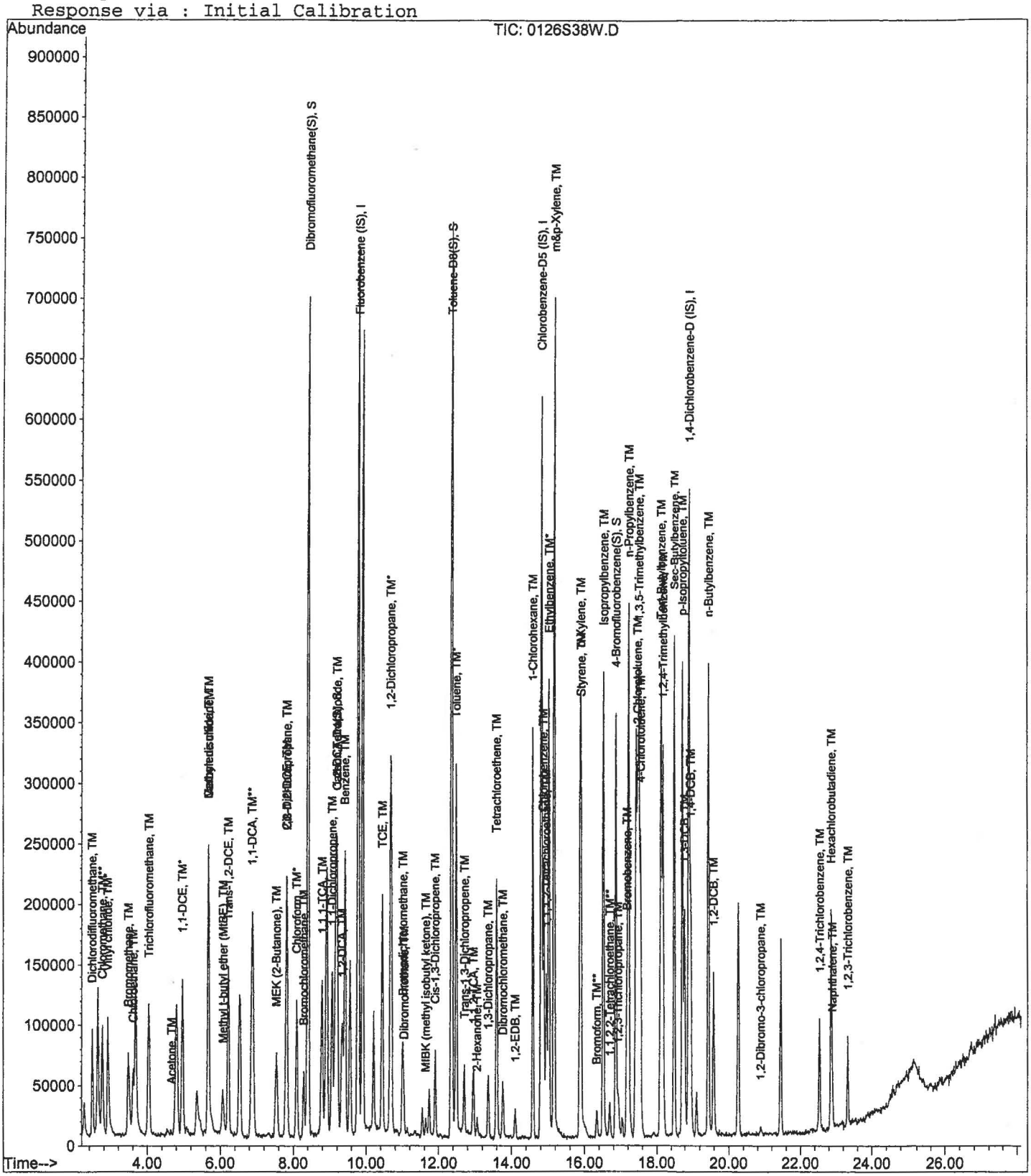
(#) = qualifier out of range (m) = manual integration

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



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:

		Compound	0.5	1	5	10	20	40	100				Avg	%RSD		
			0126S04W.D	0126S05W.D	0126S06W.D	0126S07W.D	0126S08W.D	0126S09W.D	0126S10W.D							
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													
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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

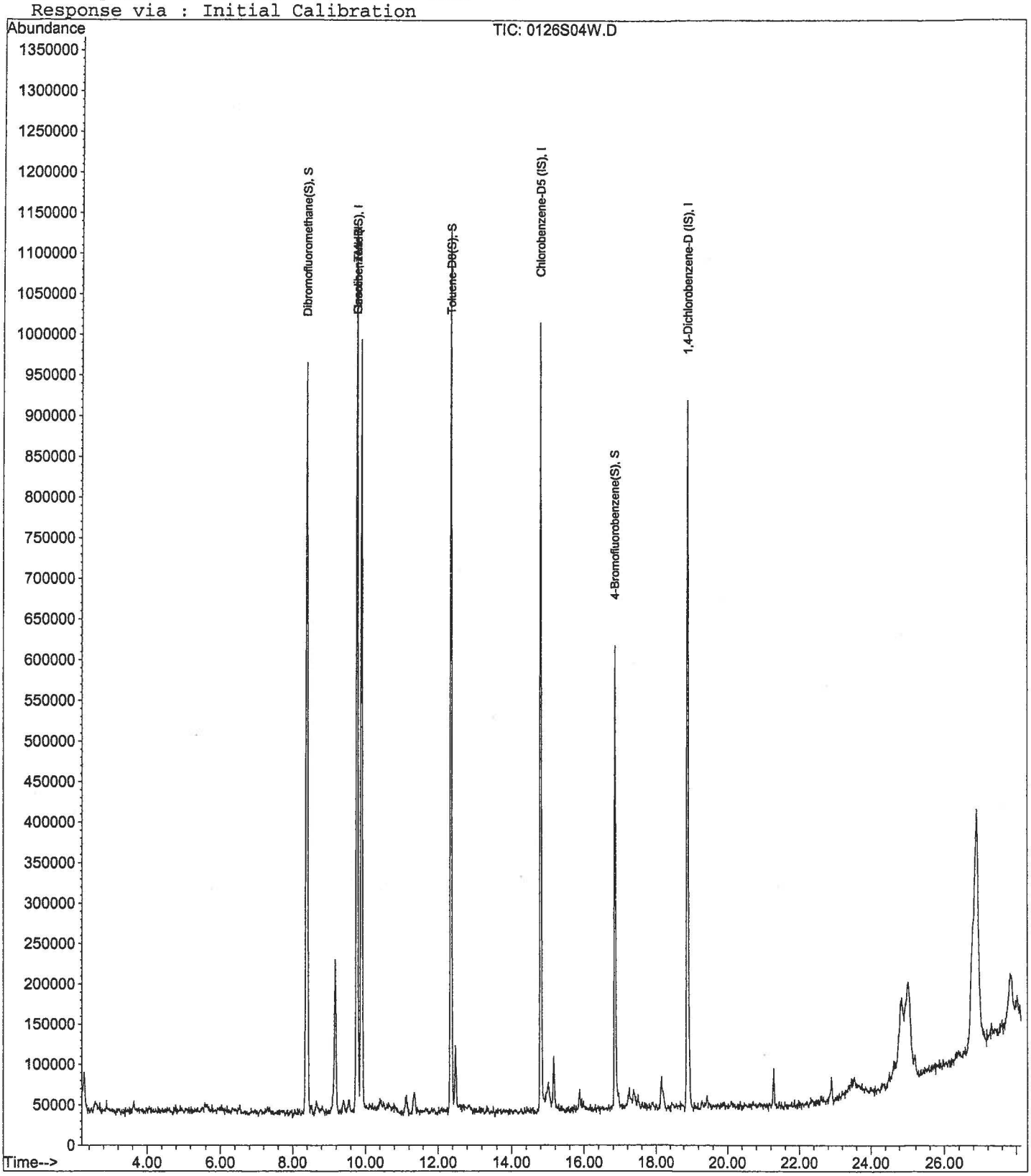
(#) = qualifier out of range (m) = manual integration

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

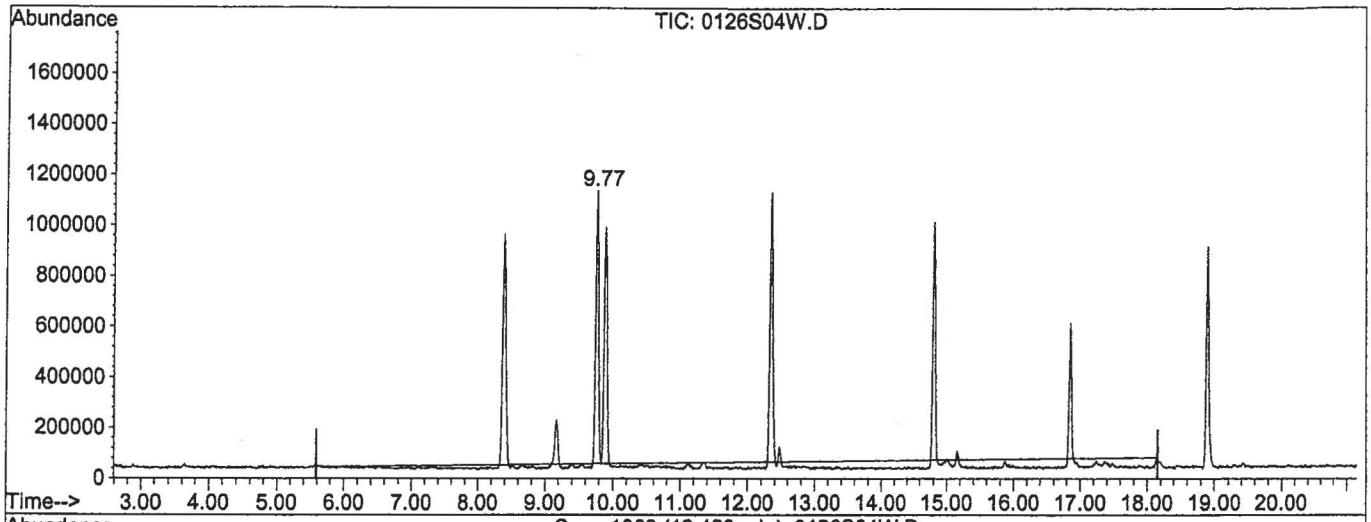
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

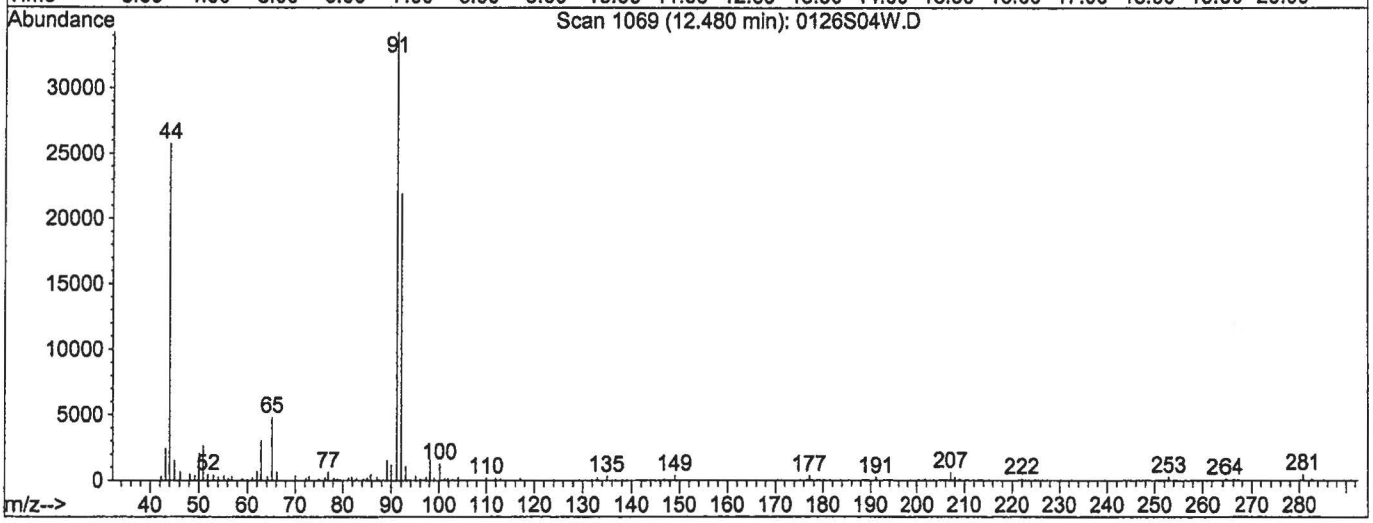


Quantitation Report

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

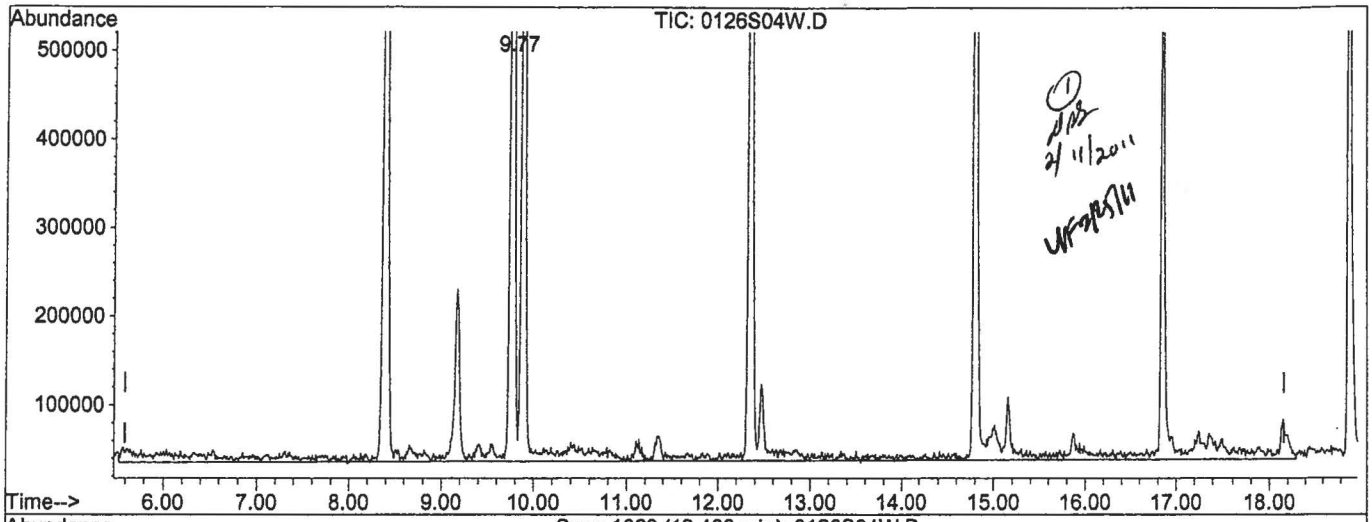
response 9306708

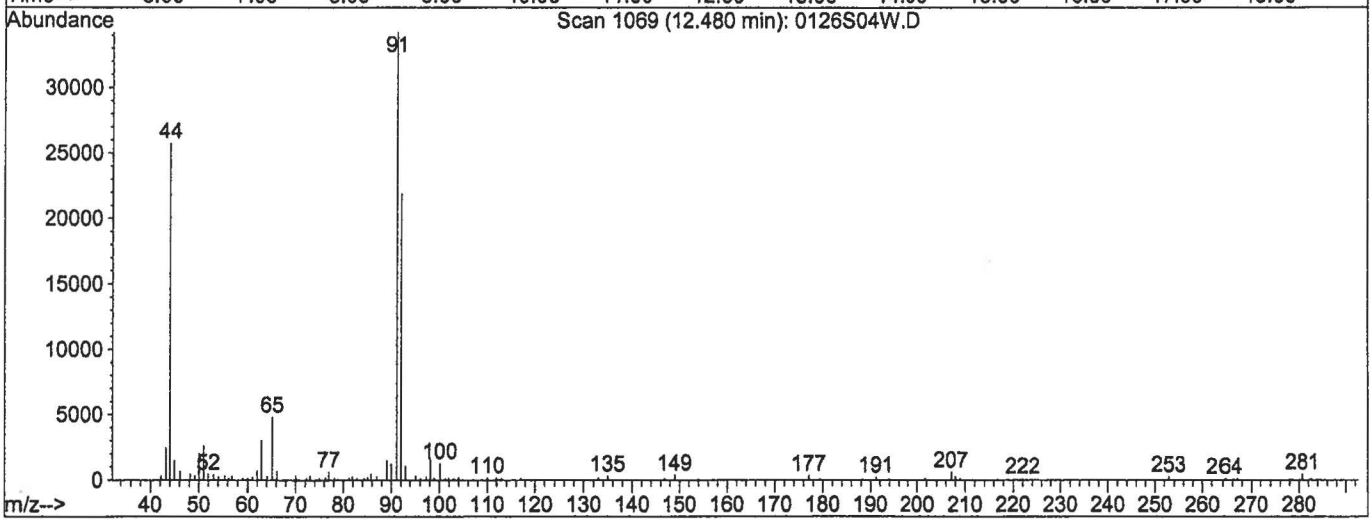
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.90#
0.00	0.00	2.79#
0.00	0.00	0.00

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

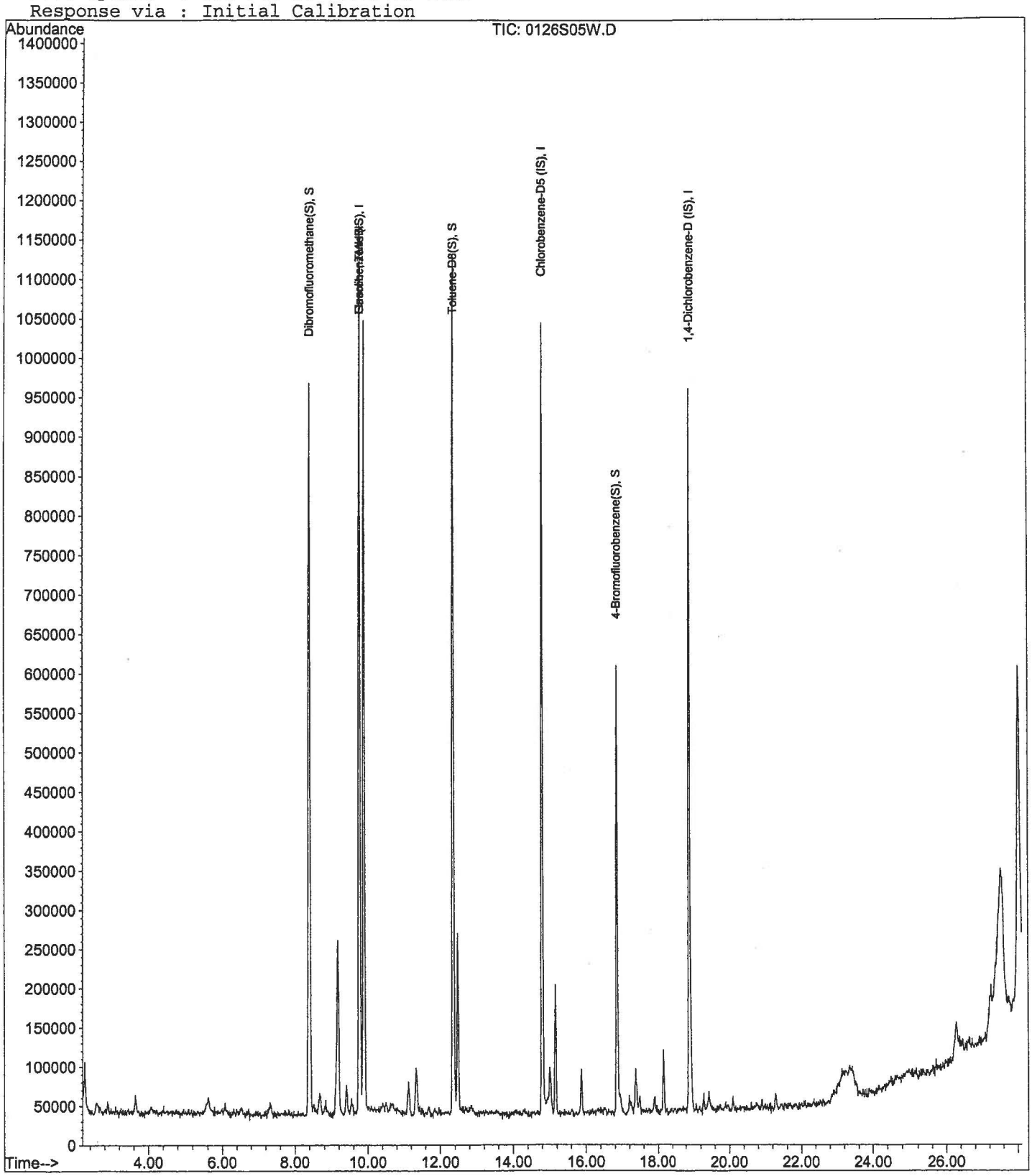
(#) = qualifier out of range (m) = manual integration

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

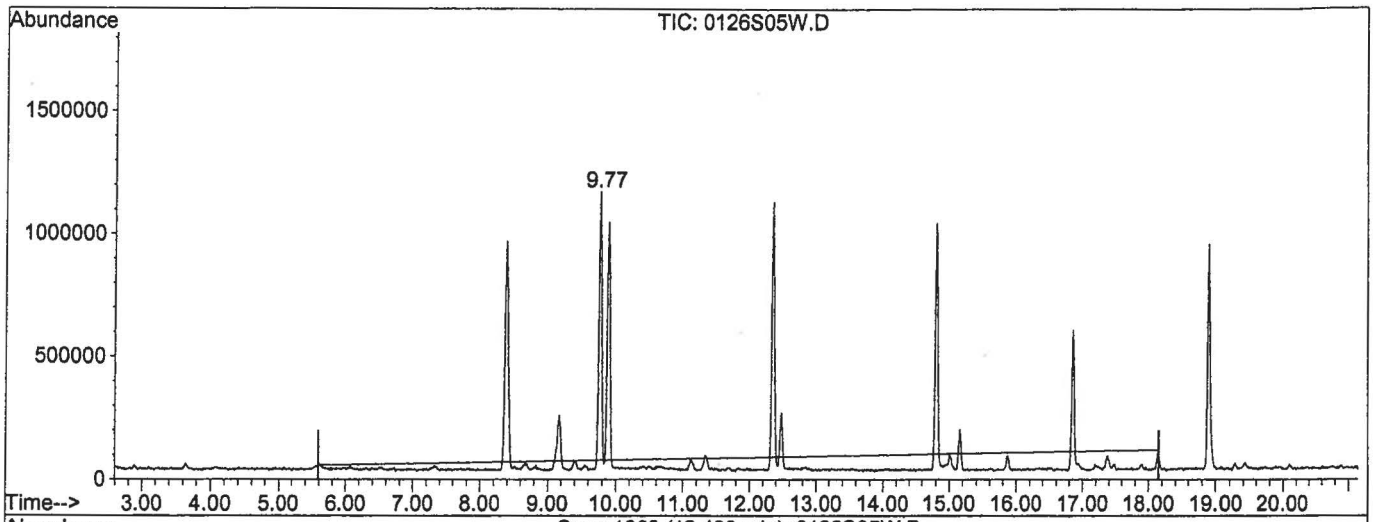
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

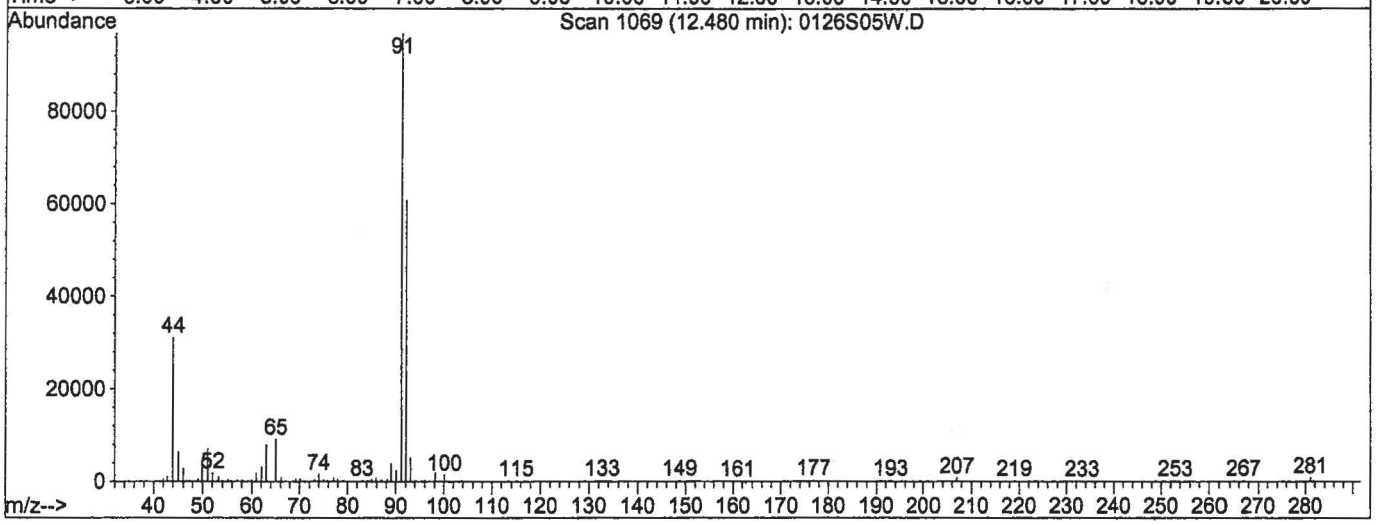


Quantitation Report

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

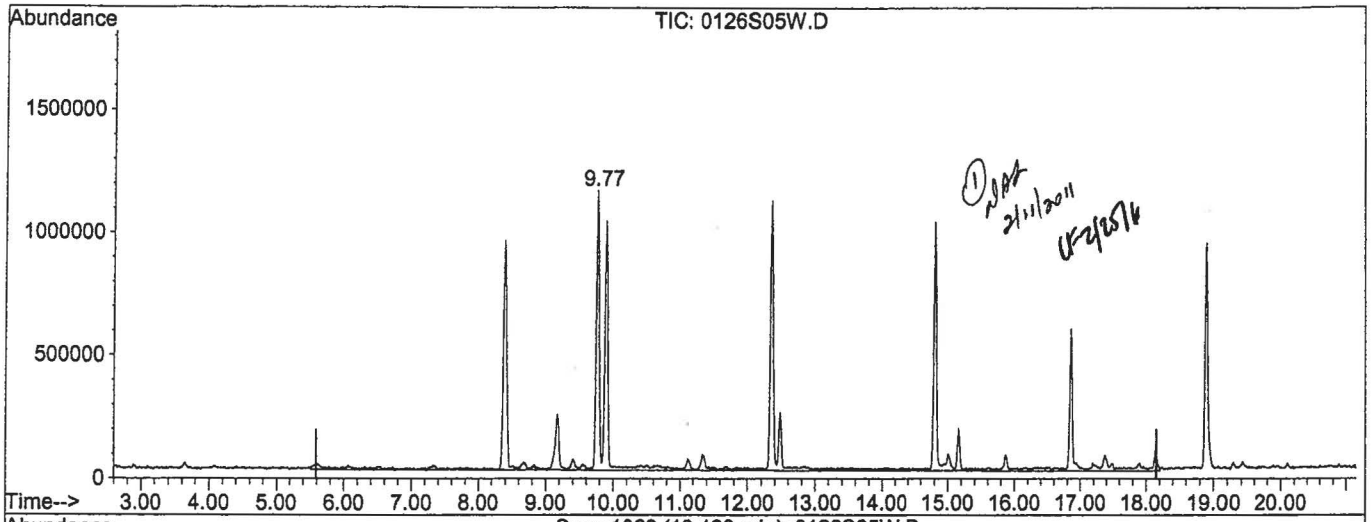
response 11744237

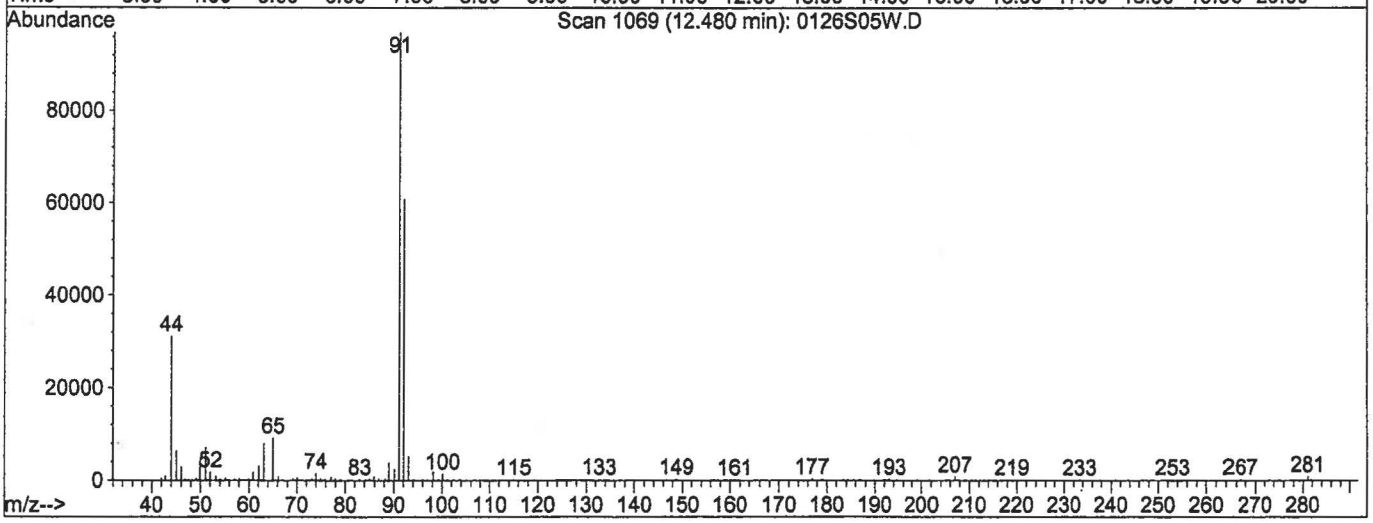
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.75#
0.00	0.00	2.30#
0.00	0.00	0.00

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





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

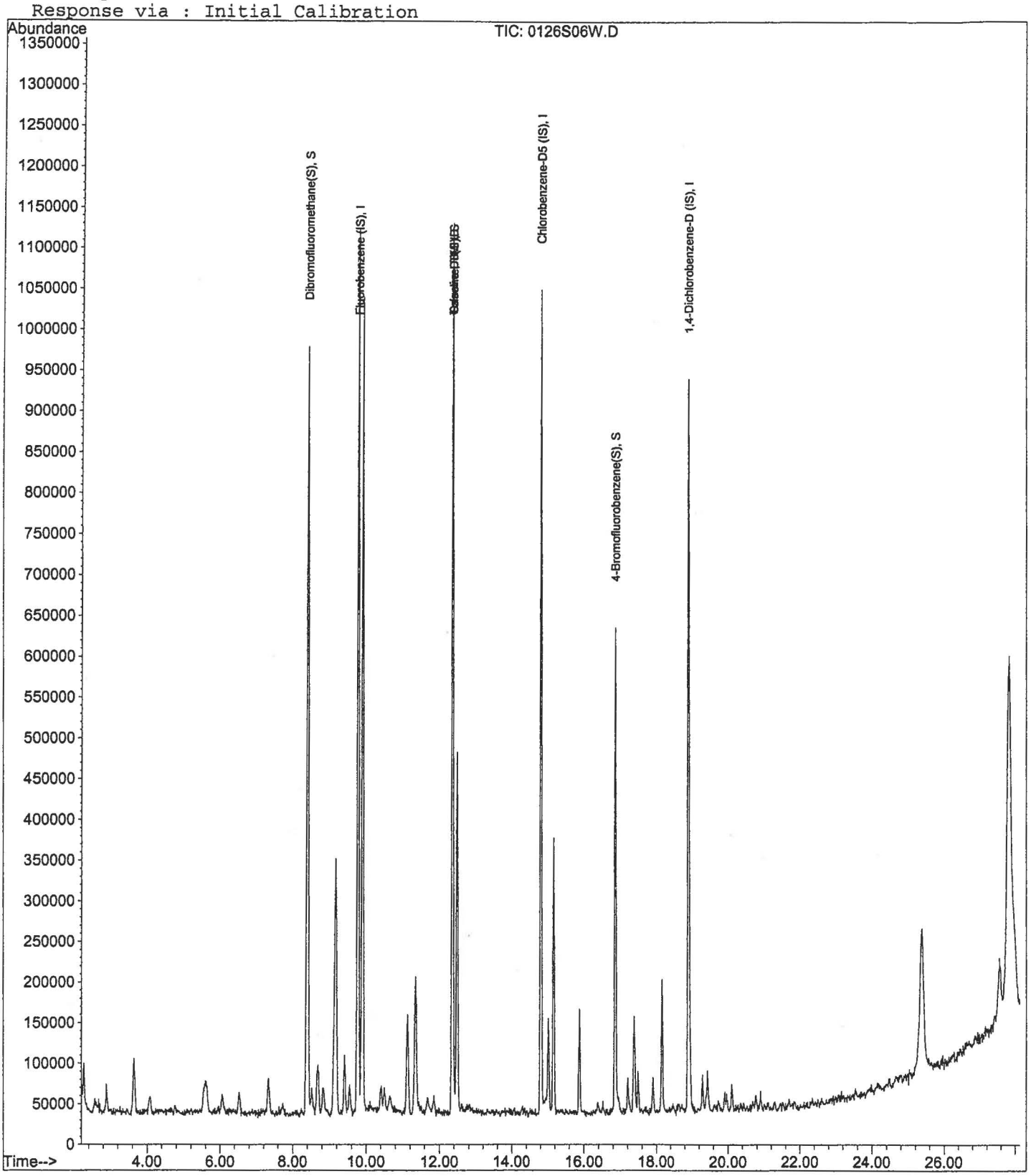
(#) = qualifier out of range (m) = manual integration

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

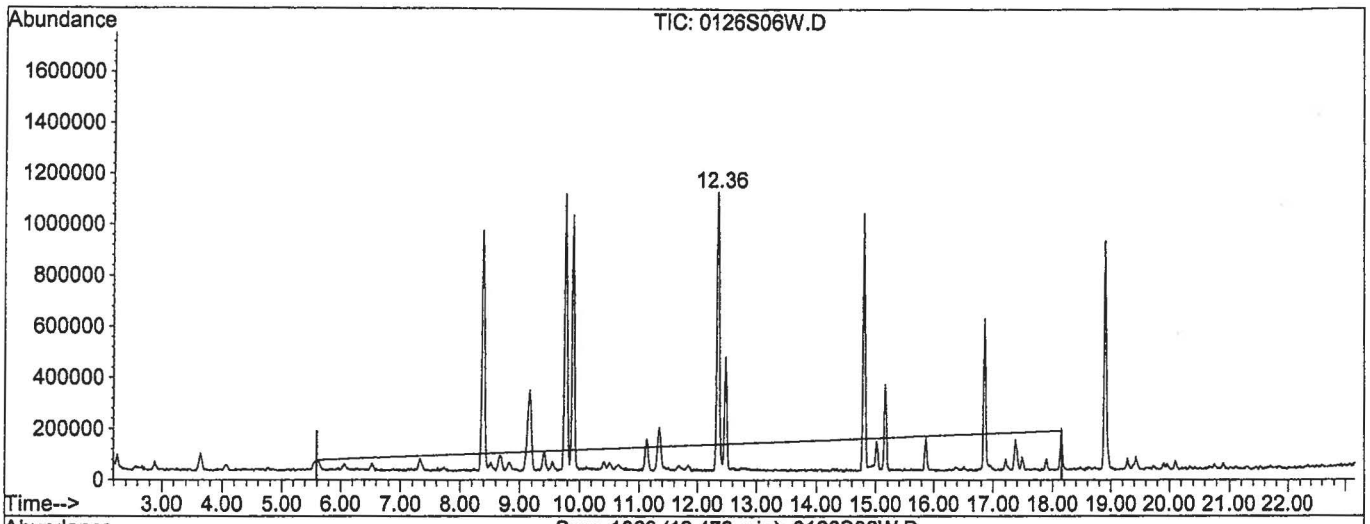
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

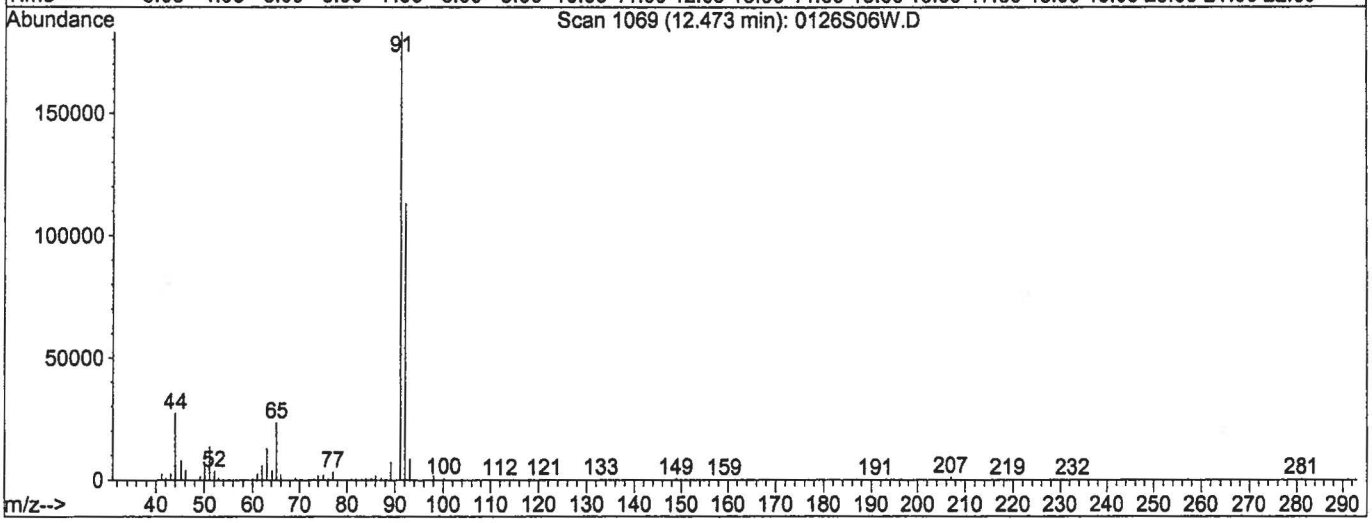


Quantitation Report

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

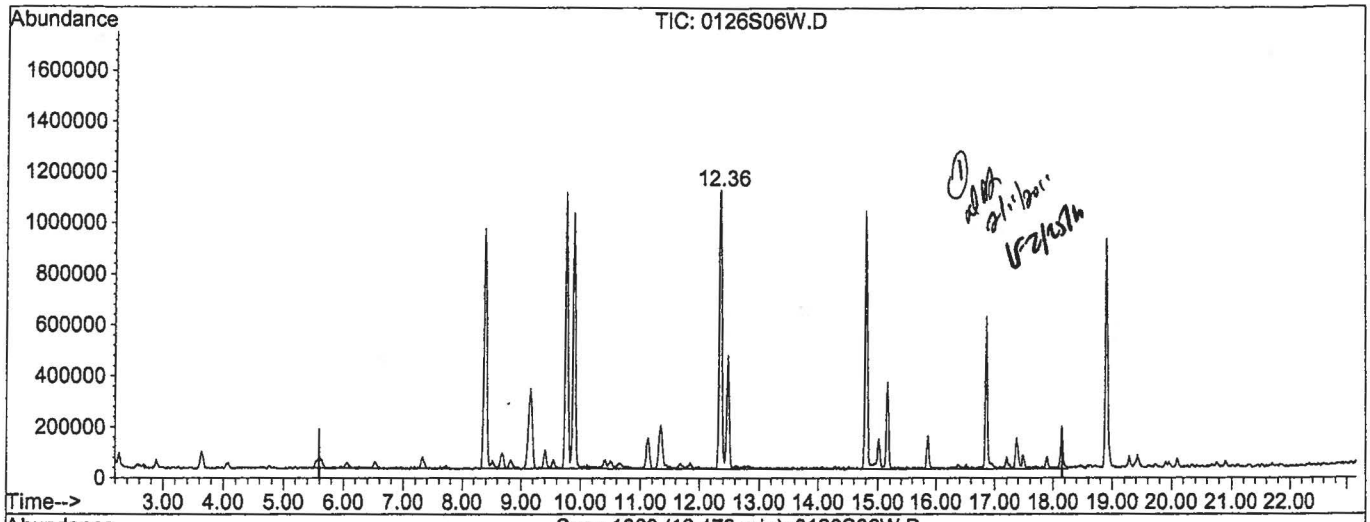
response 15333033

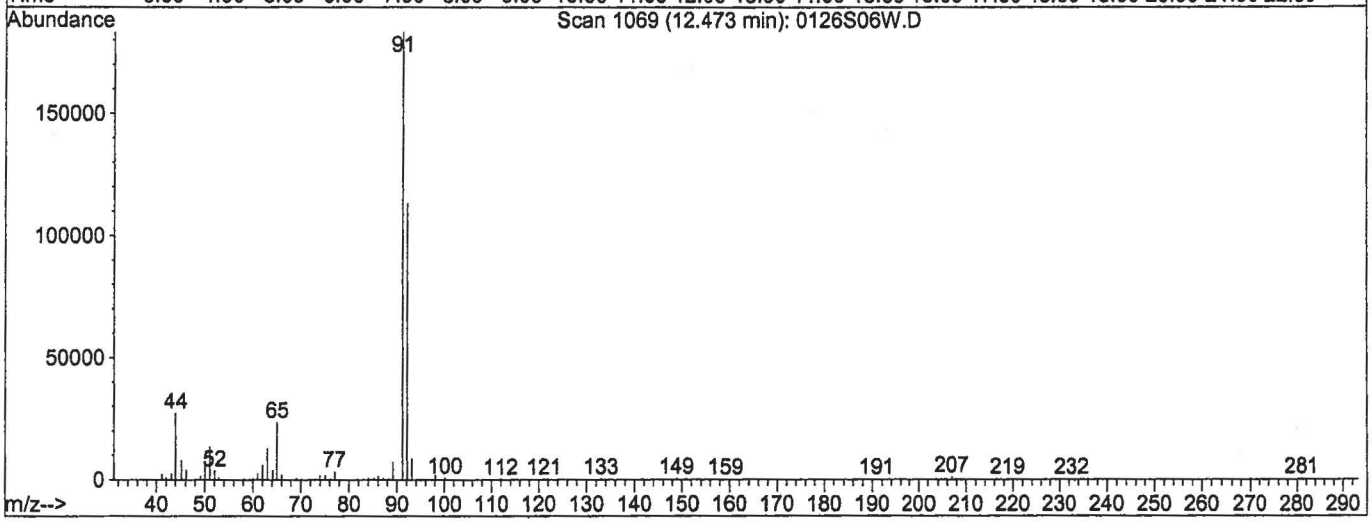
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.55#
0.00	0.00	1.72#
0.00	0.00	0.00

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

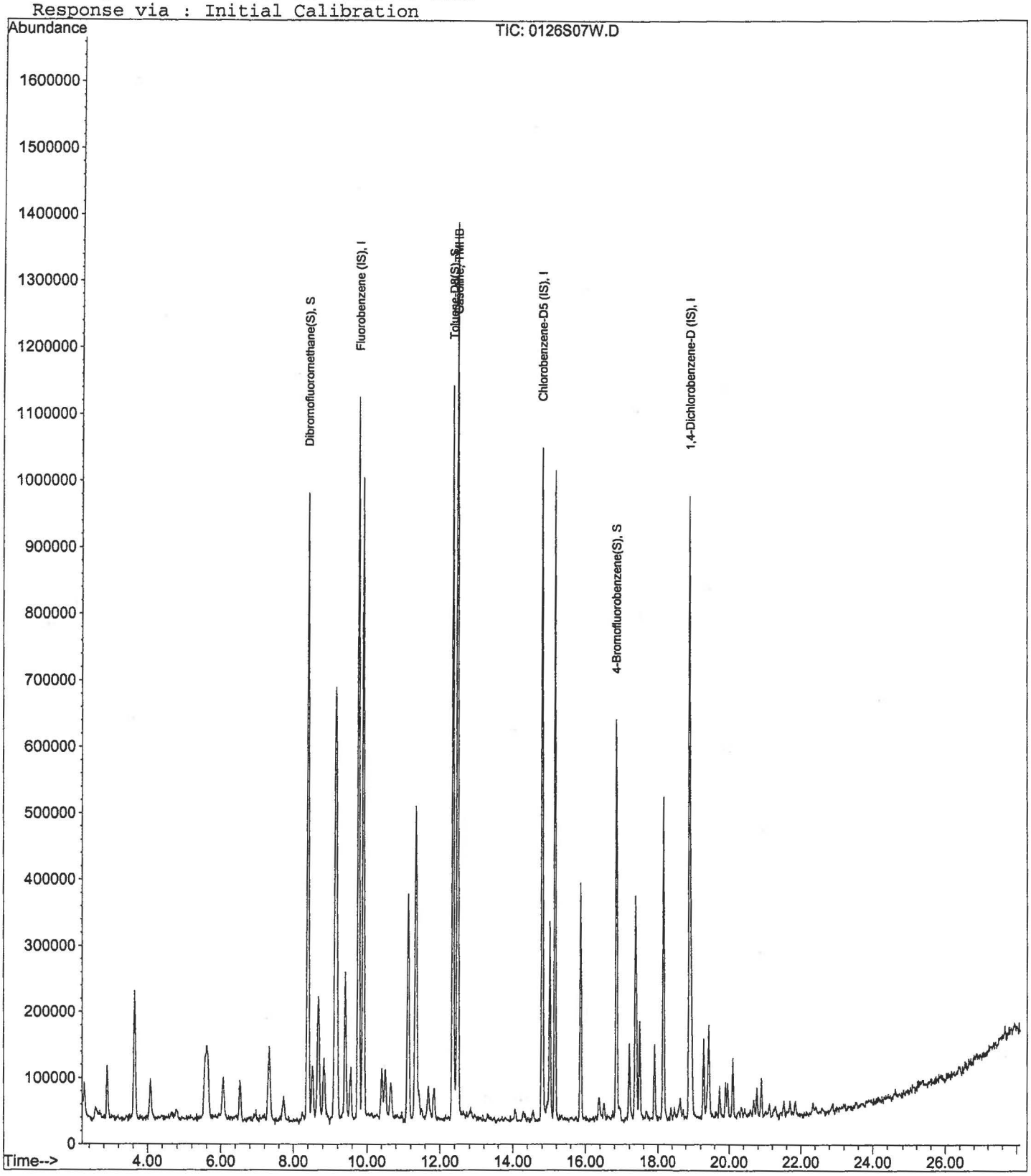
(#) = qualifier out of range (m) = manual integration

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

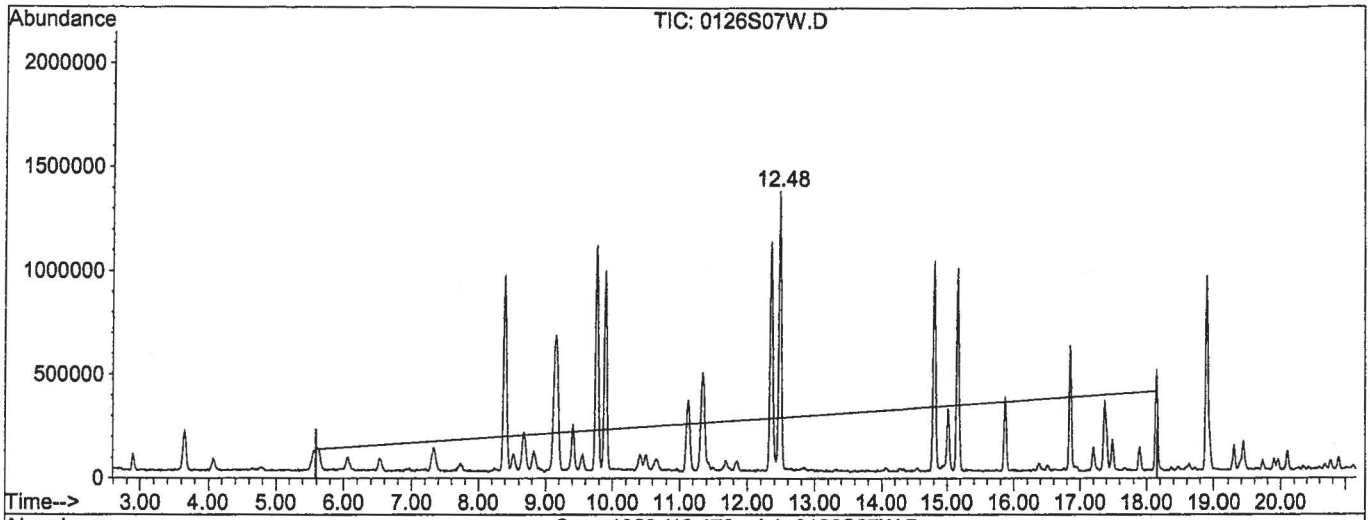
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

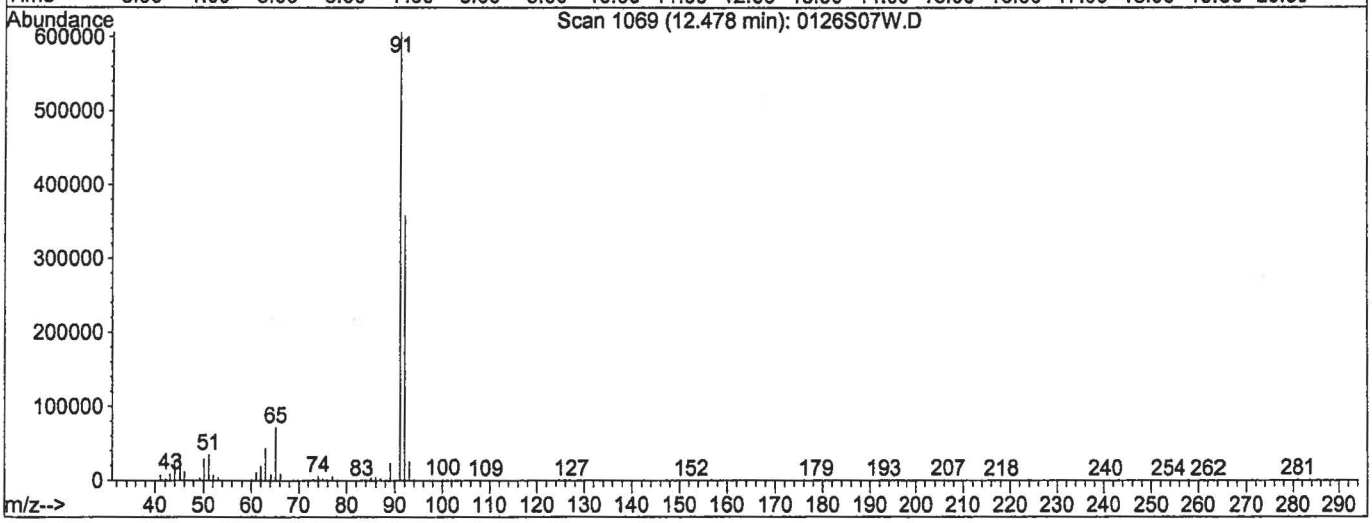


Quantitation Report

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

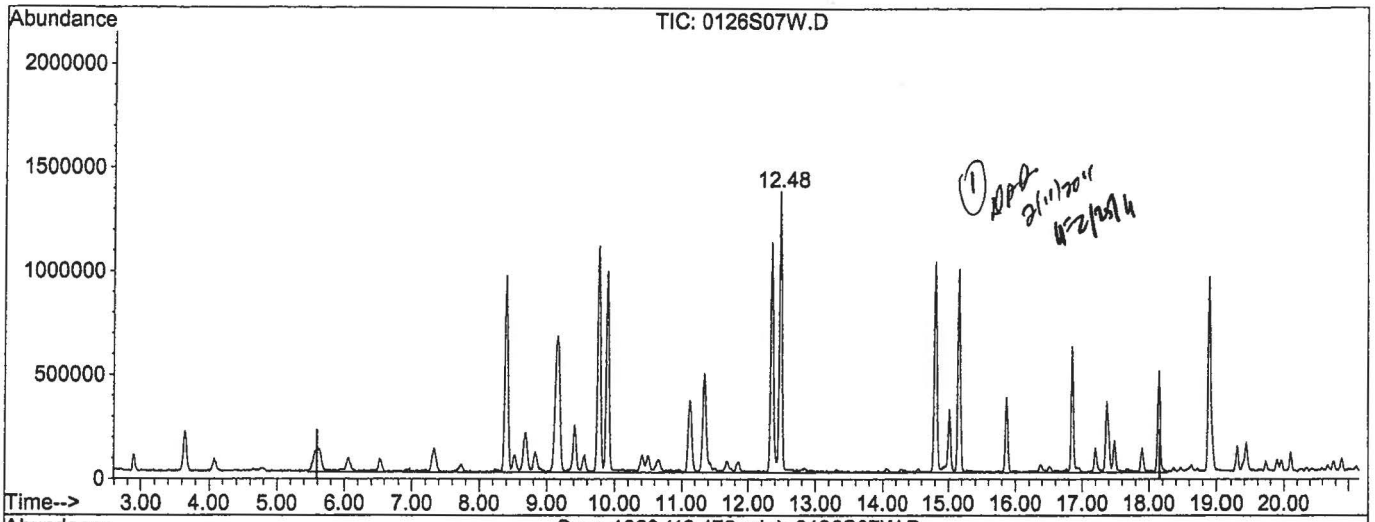
response 30033501

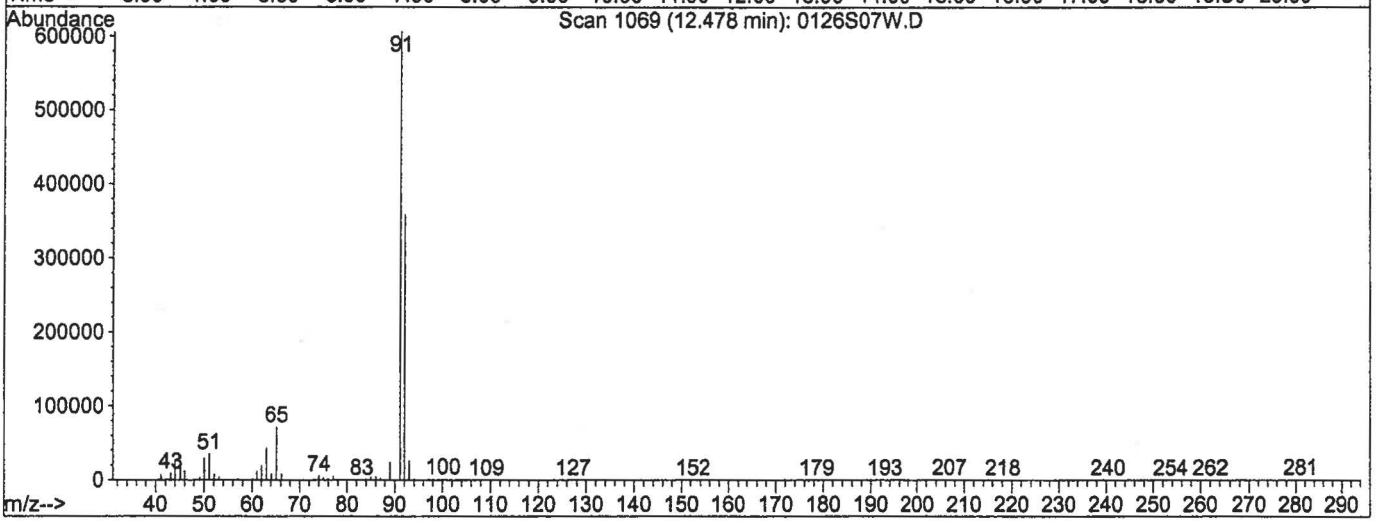
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.29#
0.00	0.00	0.92#
0.00	0.00	0.00

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

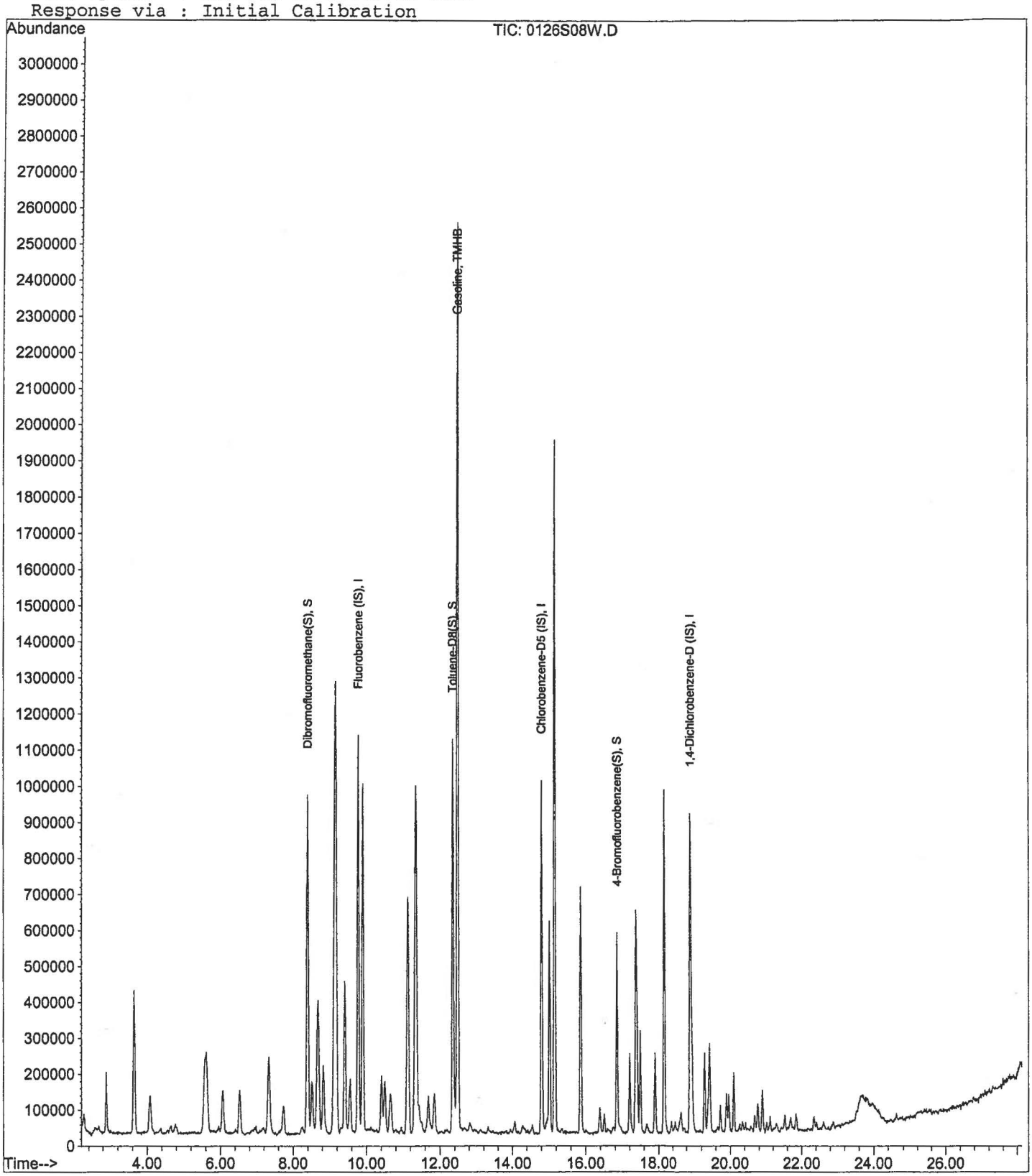
(#) = qualifier out of range (m) = manual integration

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

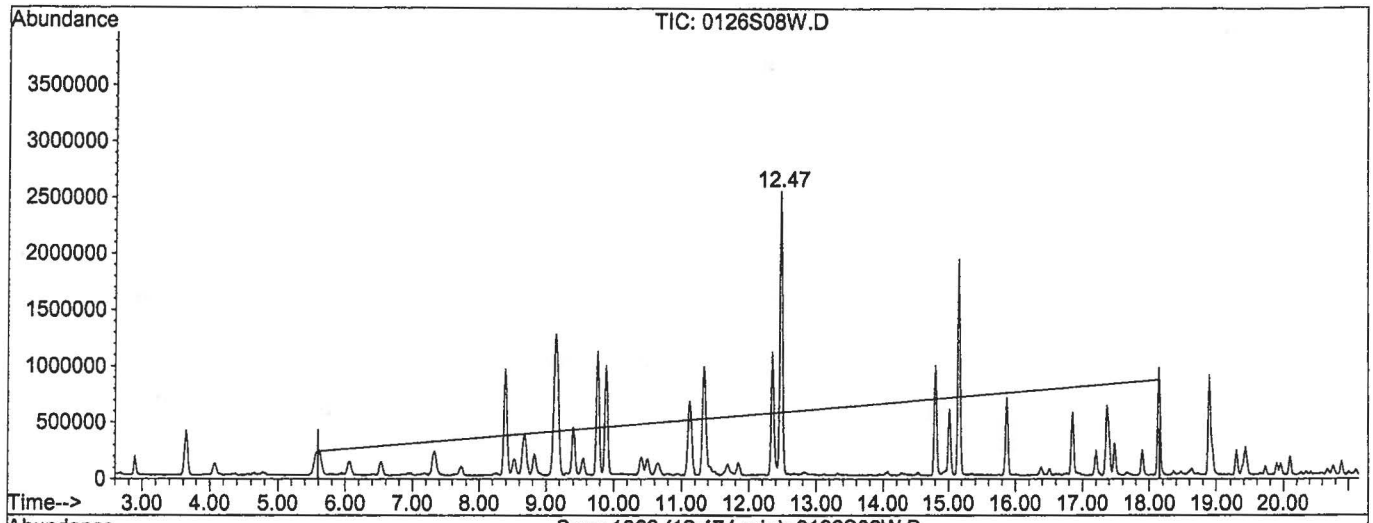
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

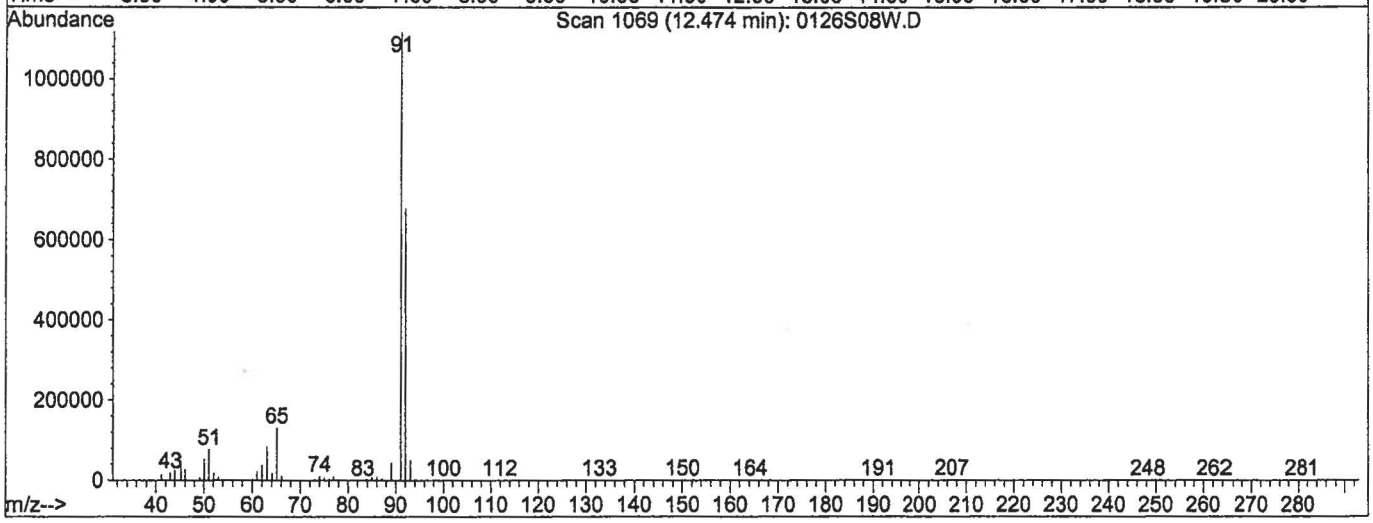


Quantitation Report

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

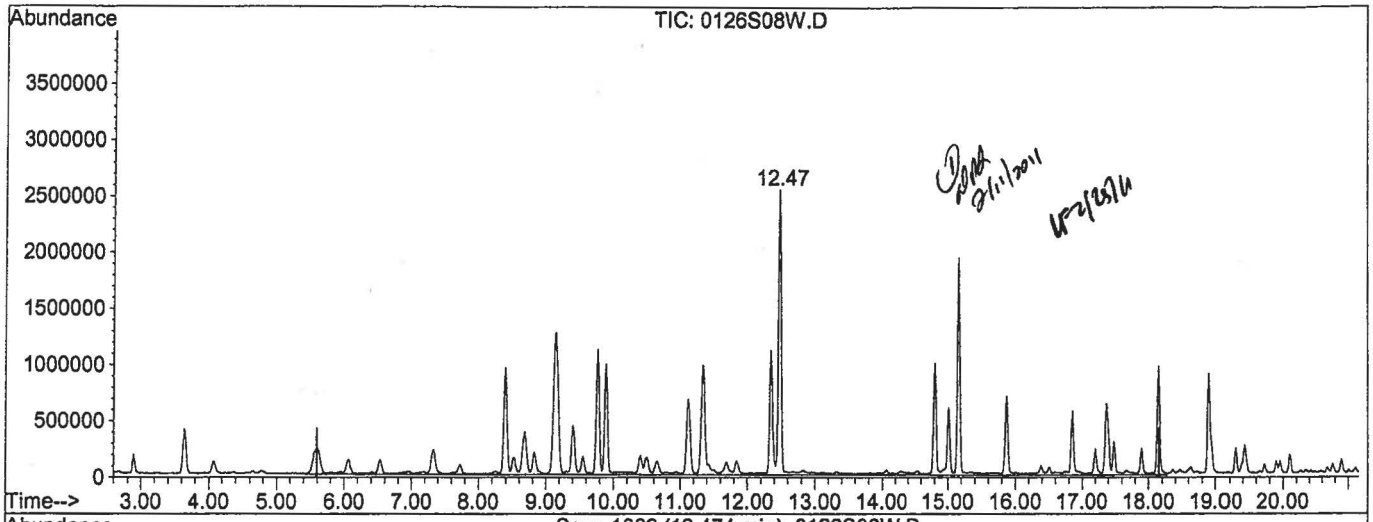
response 50063077

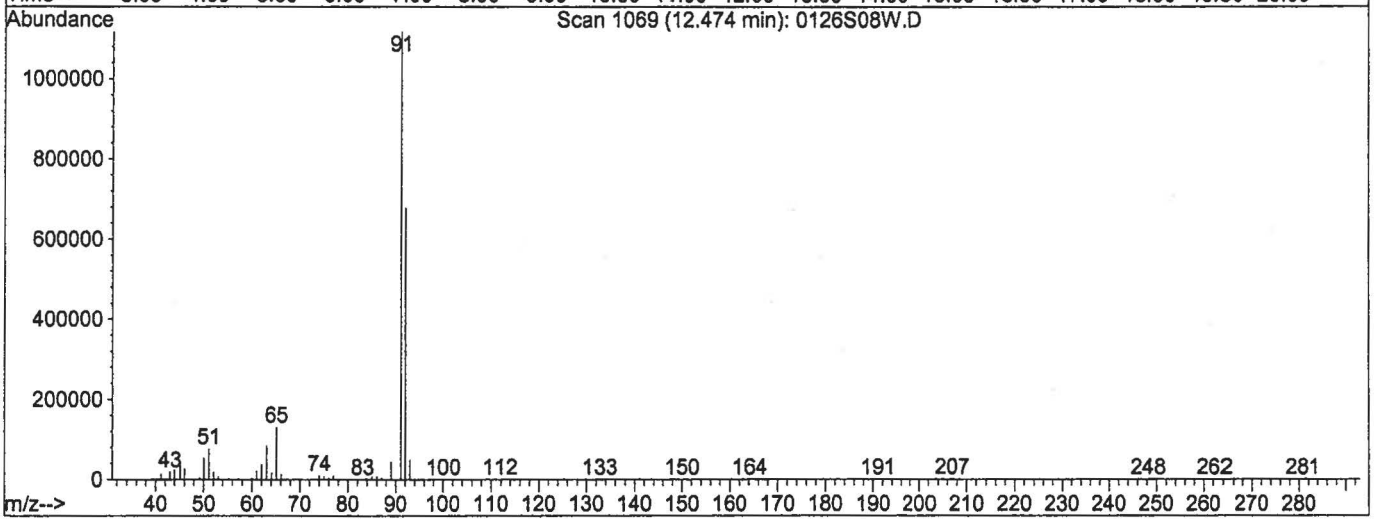
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.17#
0.00	0.00	0.51#
0.00	0.00	0.00

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

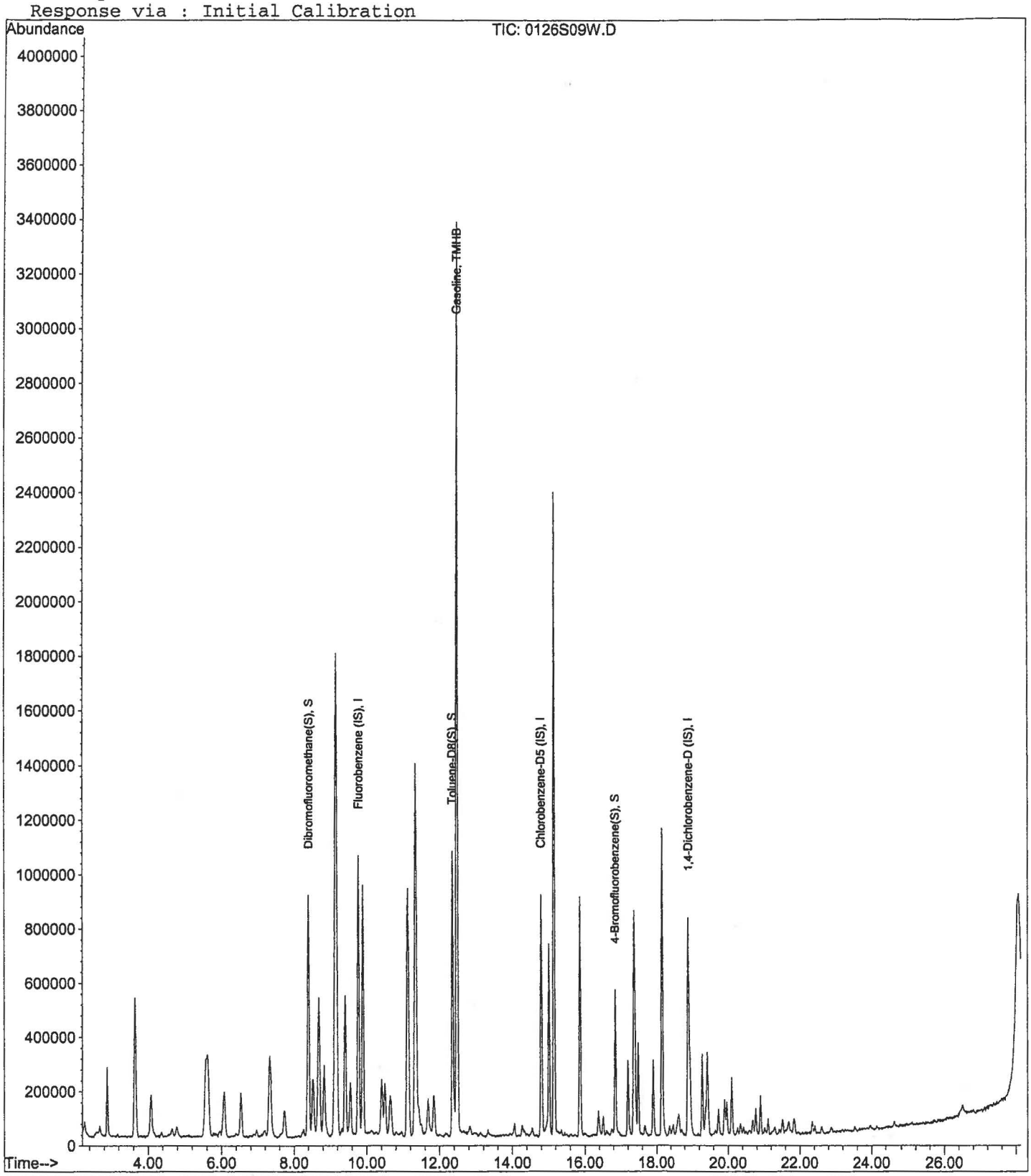
(#) = qualifier out of range (m) = manual integration

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

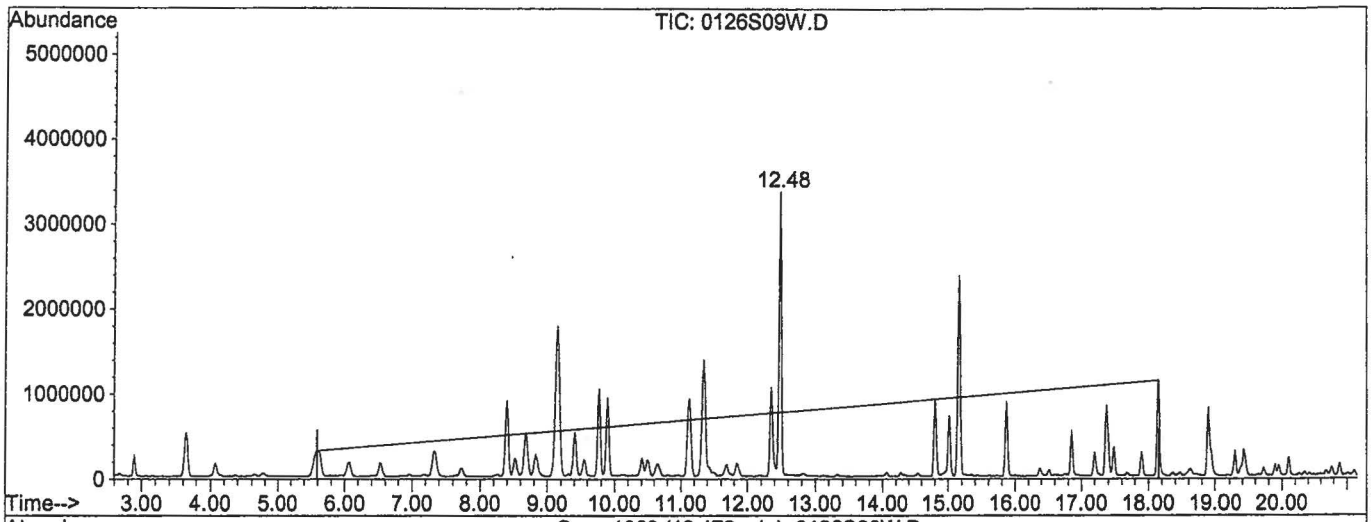
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

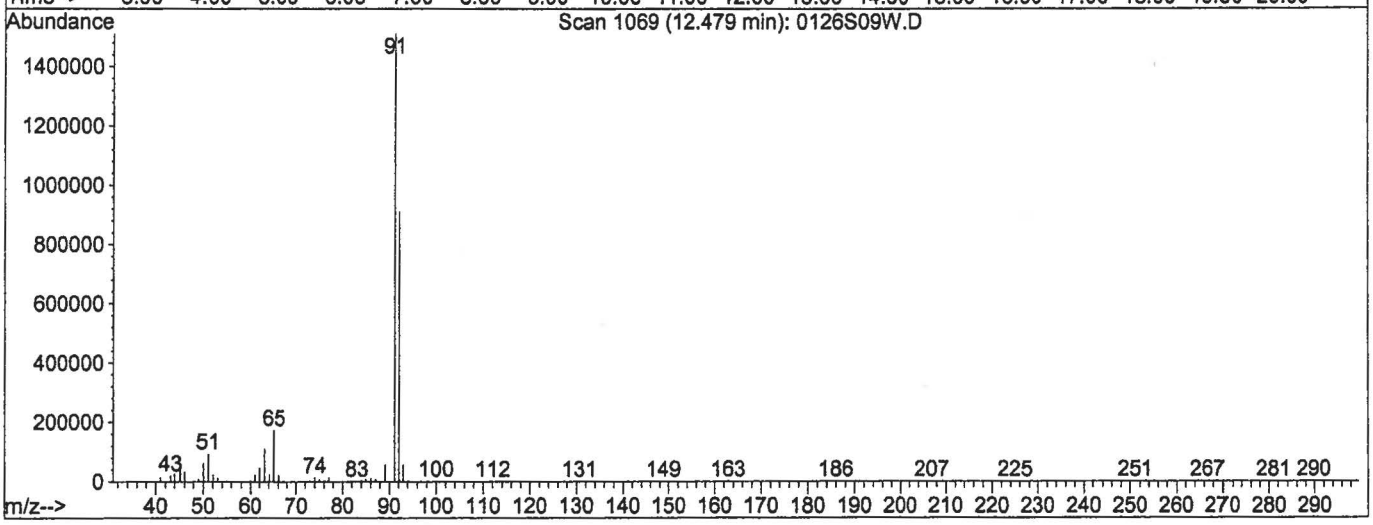


Quantitation Report

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

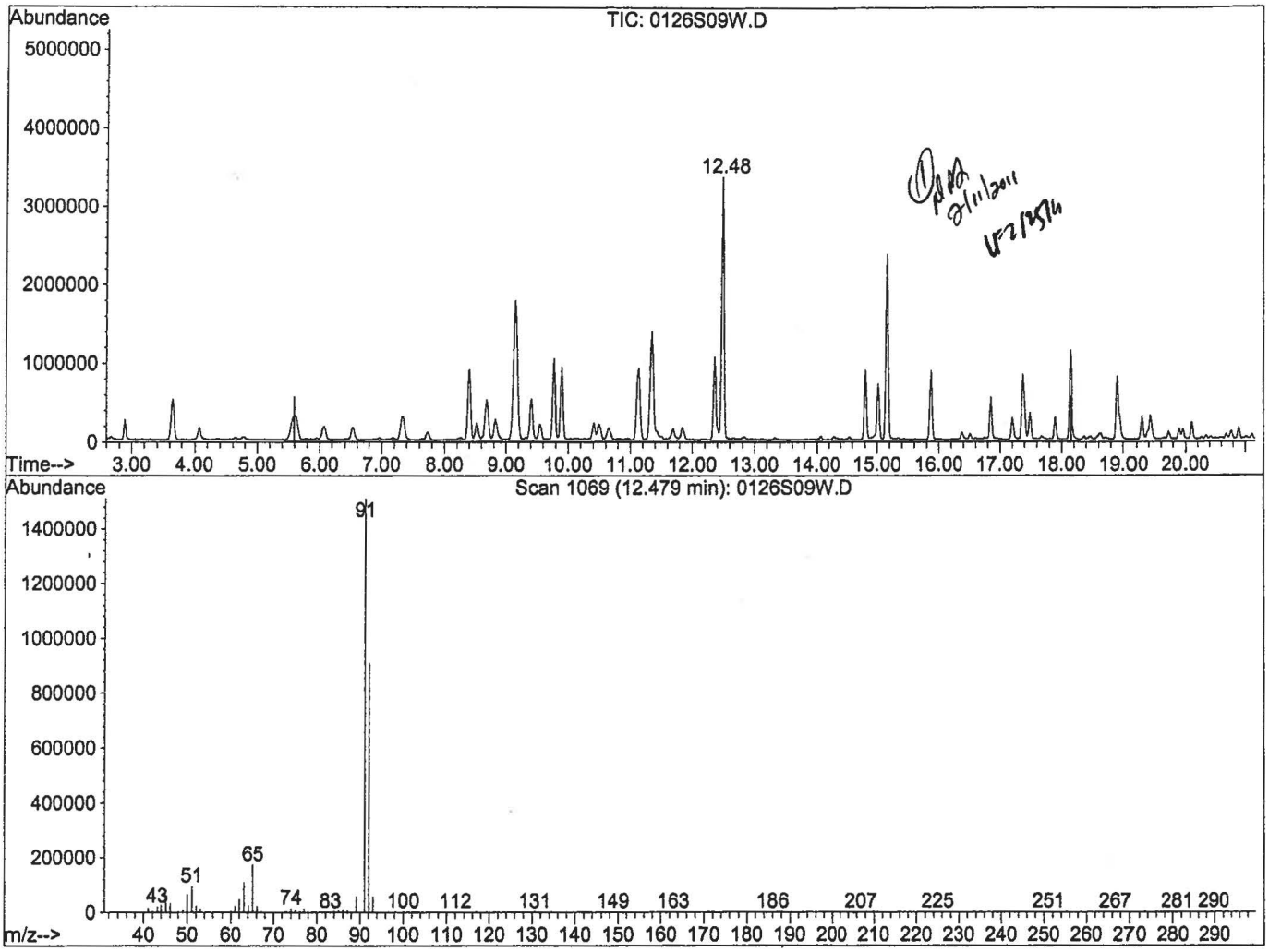
response 63057746

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

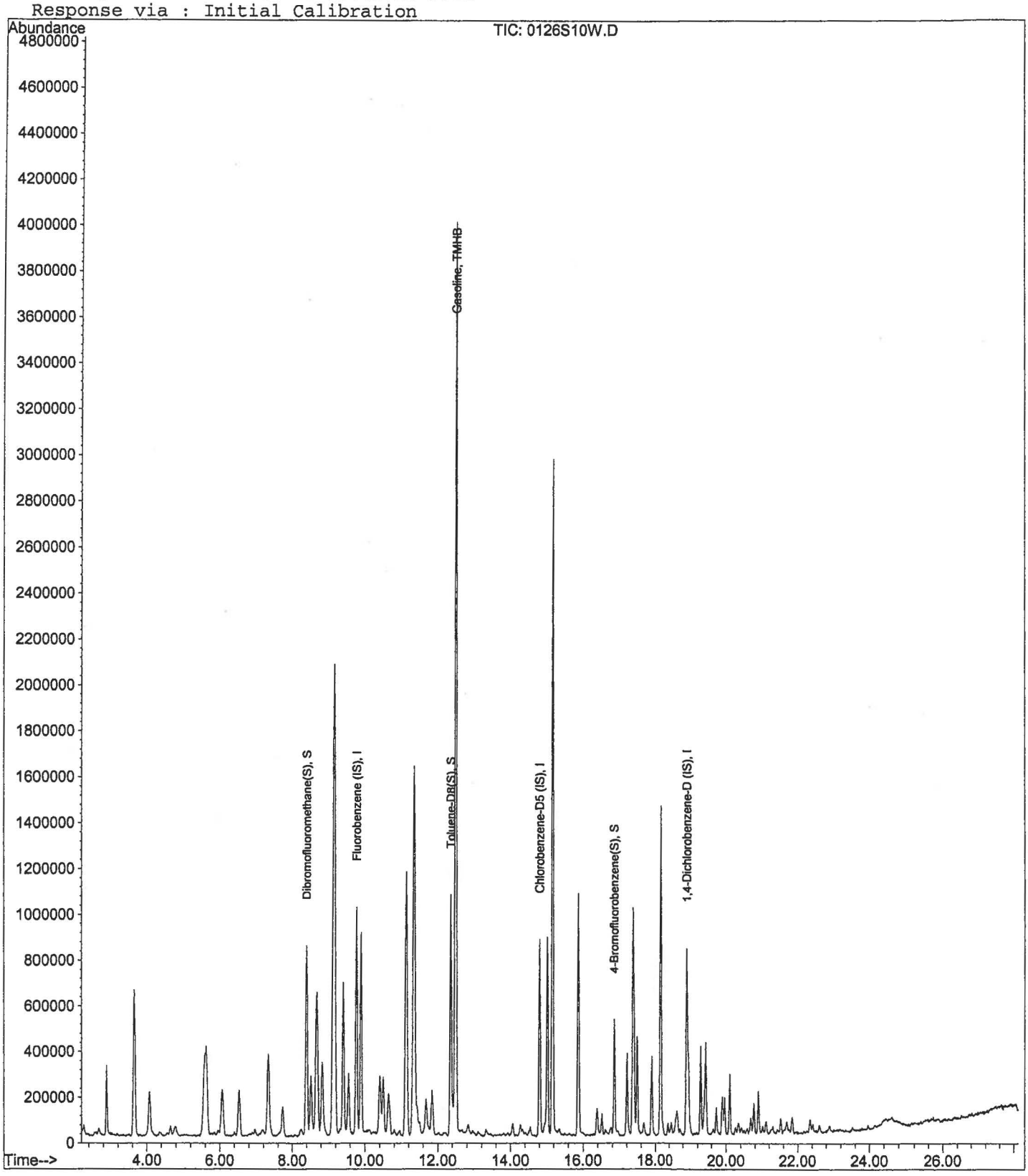
(#) = qualifier out of range (m) = manual integration

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

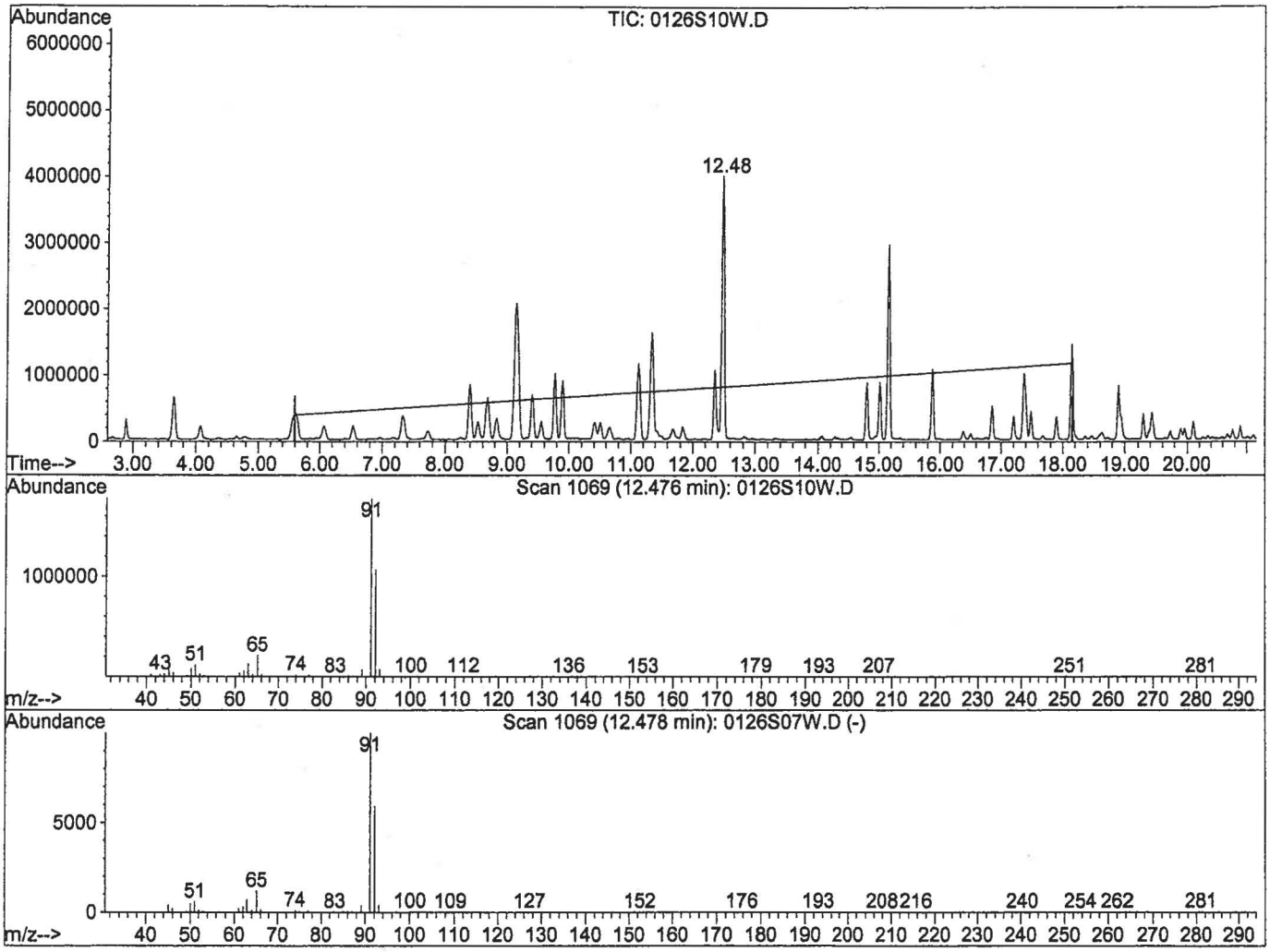
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



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

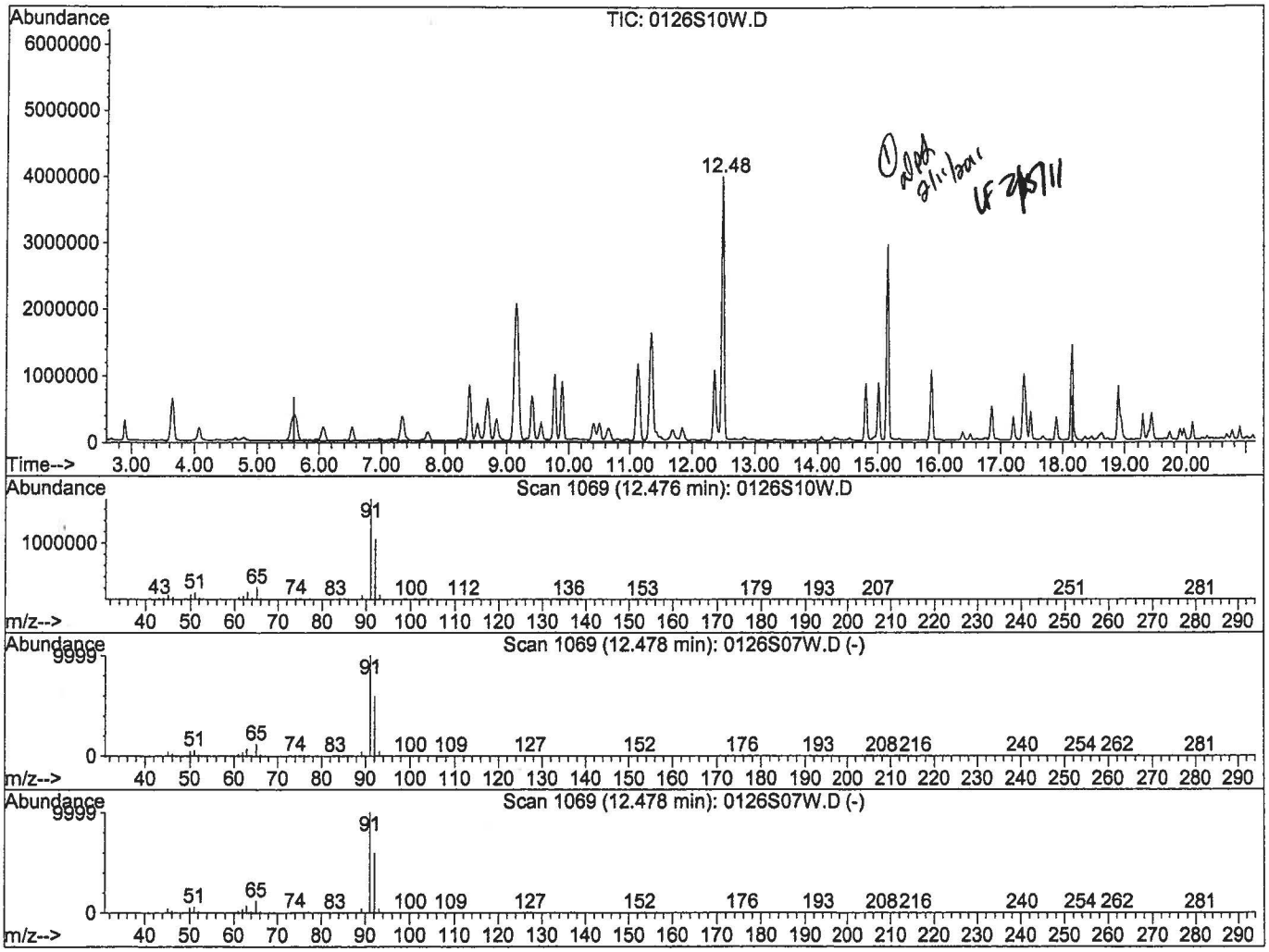
response 77425239

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



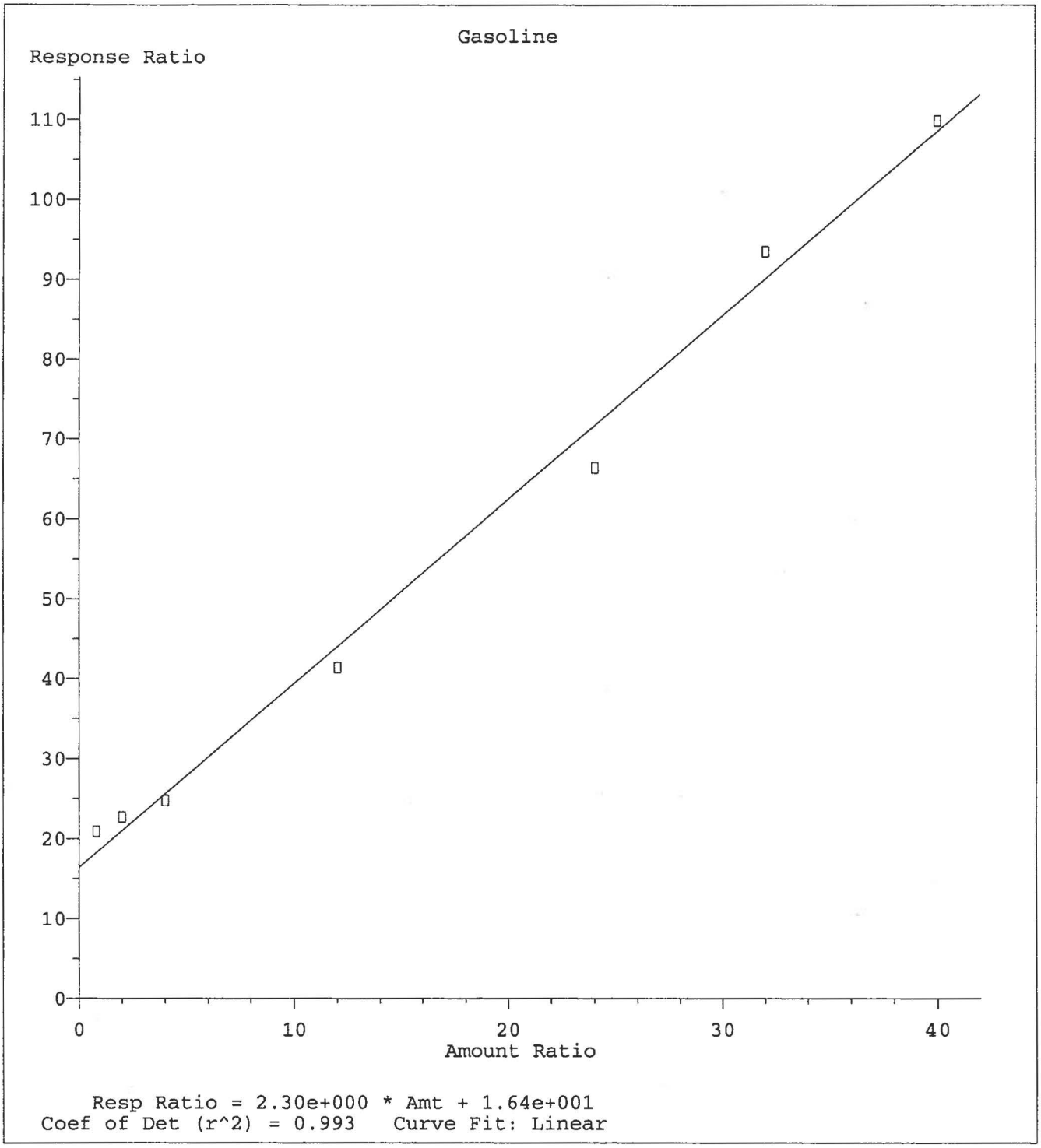
TIC: 0126S10W.D

(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							
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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

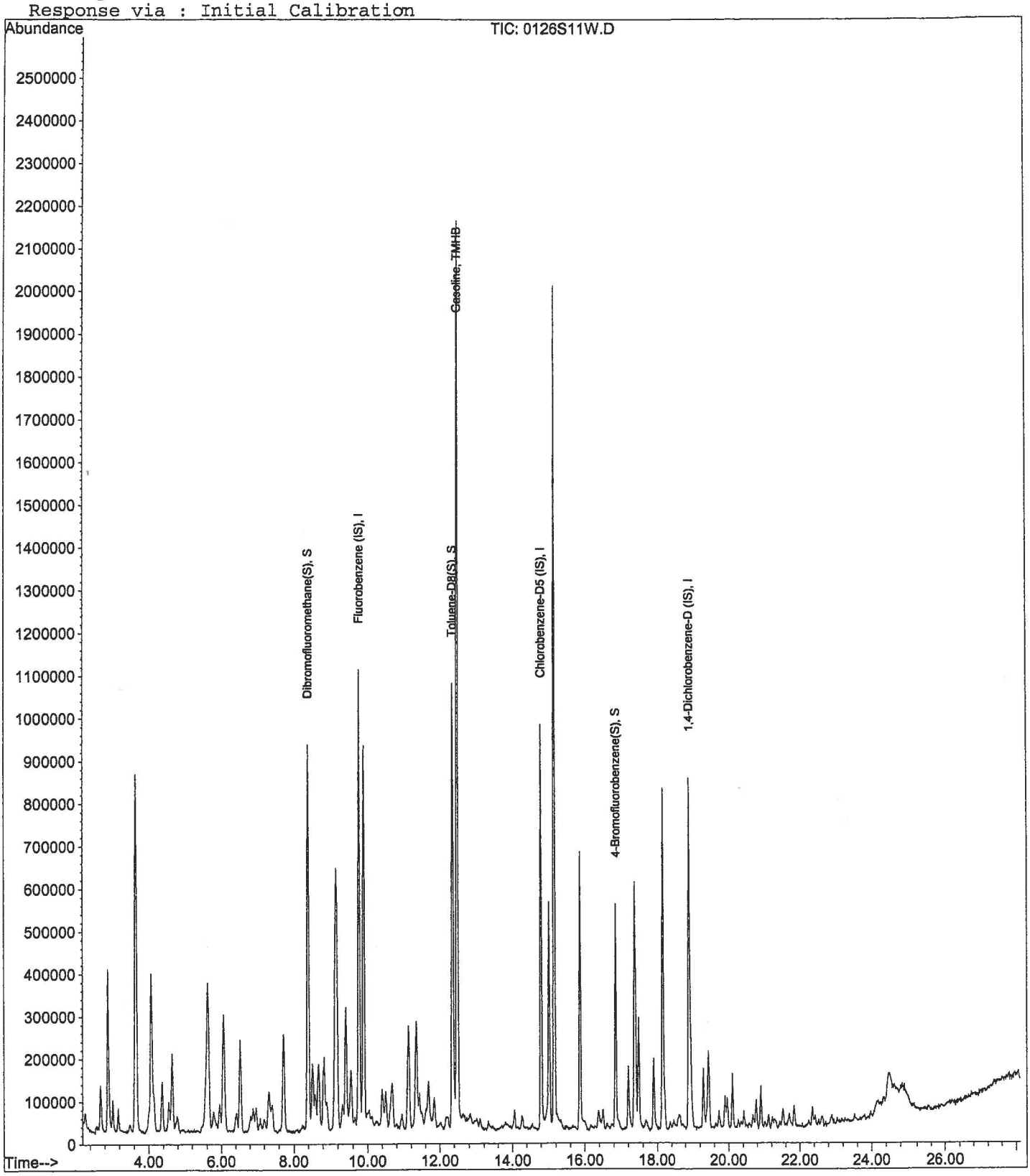
(#) = qualifier out of range (m) = manual integration

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

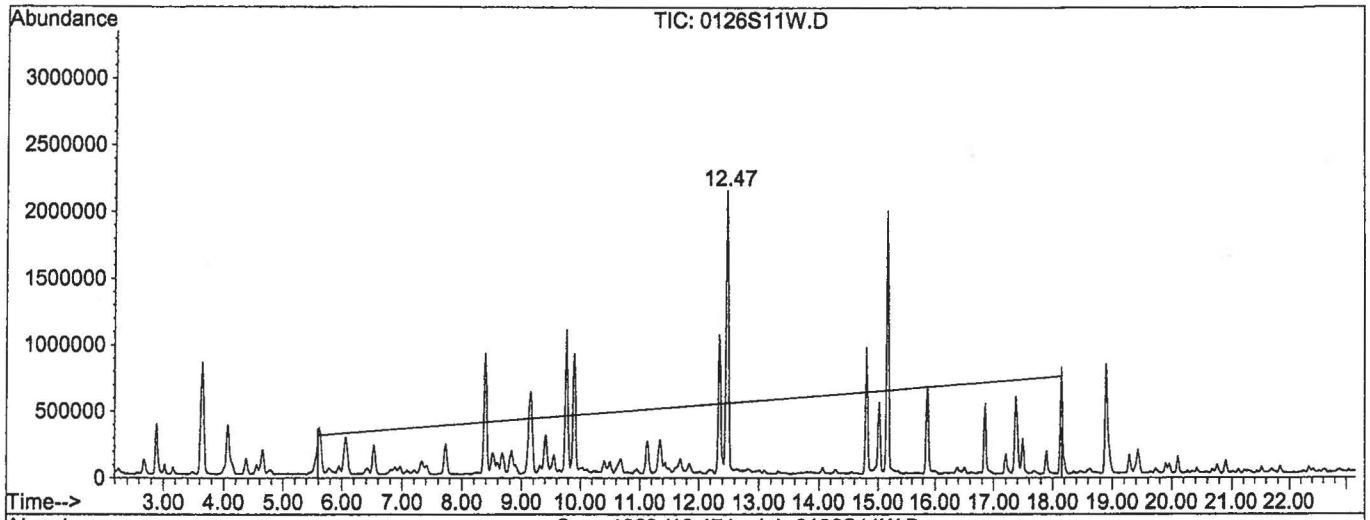
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

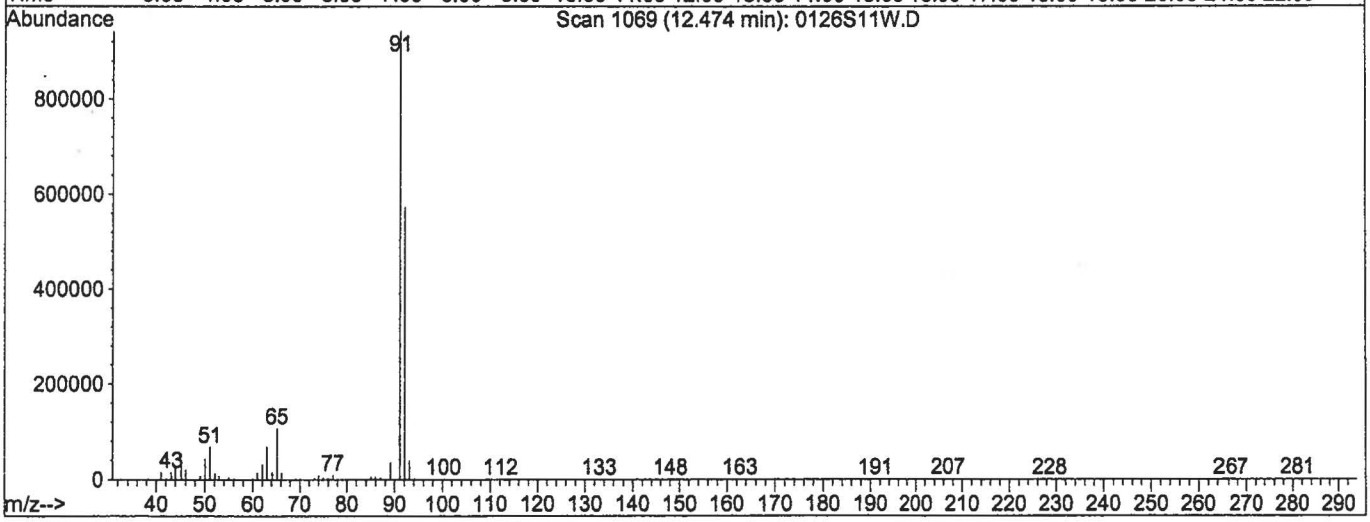


Quantitation Report

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

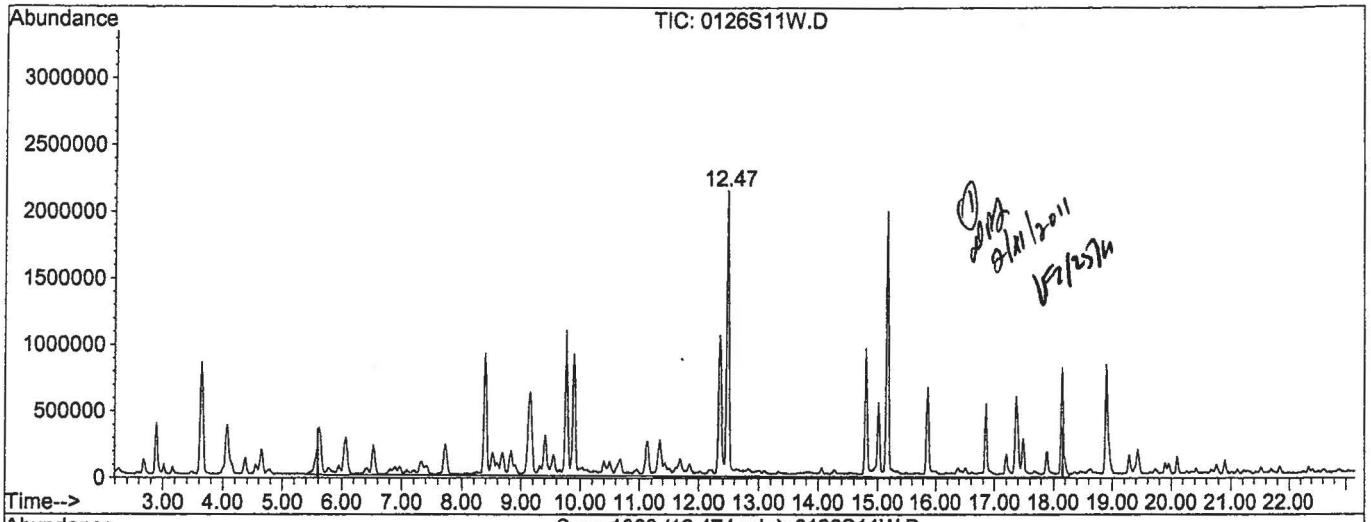
response 43646522

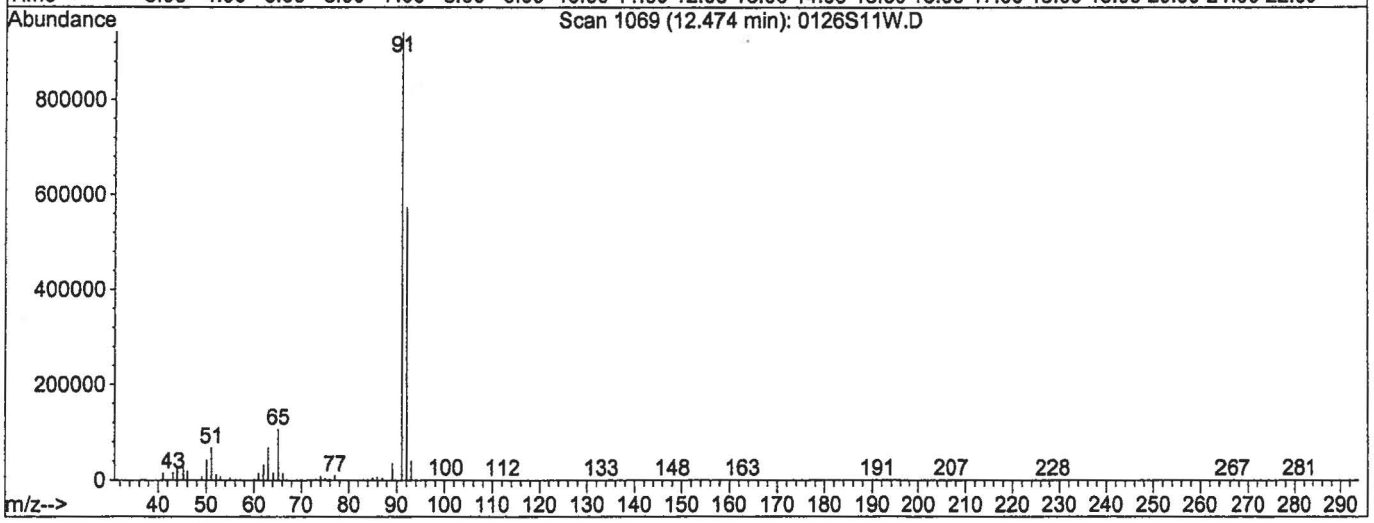
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.19#
0.00	0.00	0.55#
0.00	0.00	0.00

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							
16							
17							
18							
19							
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21							
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28							
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

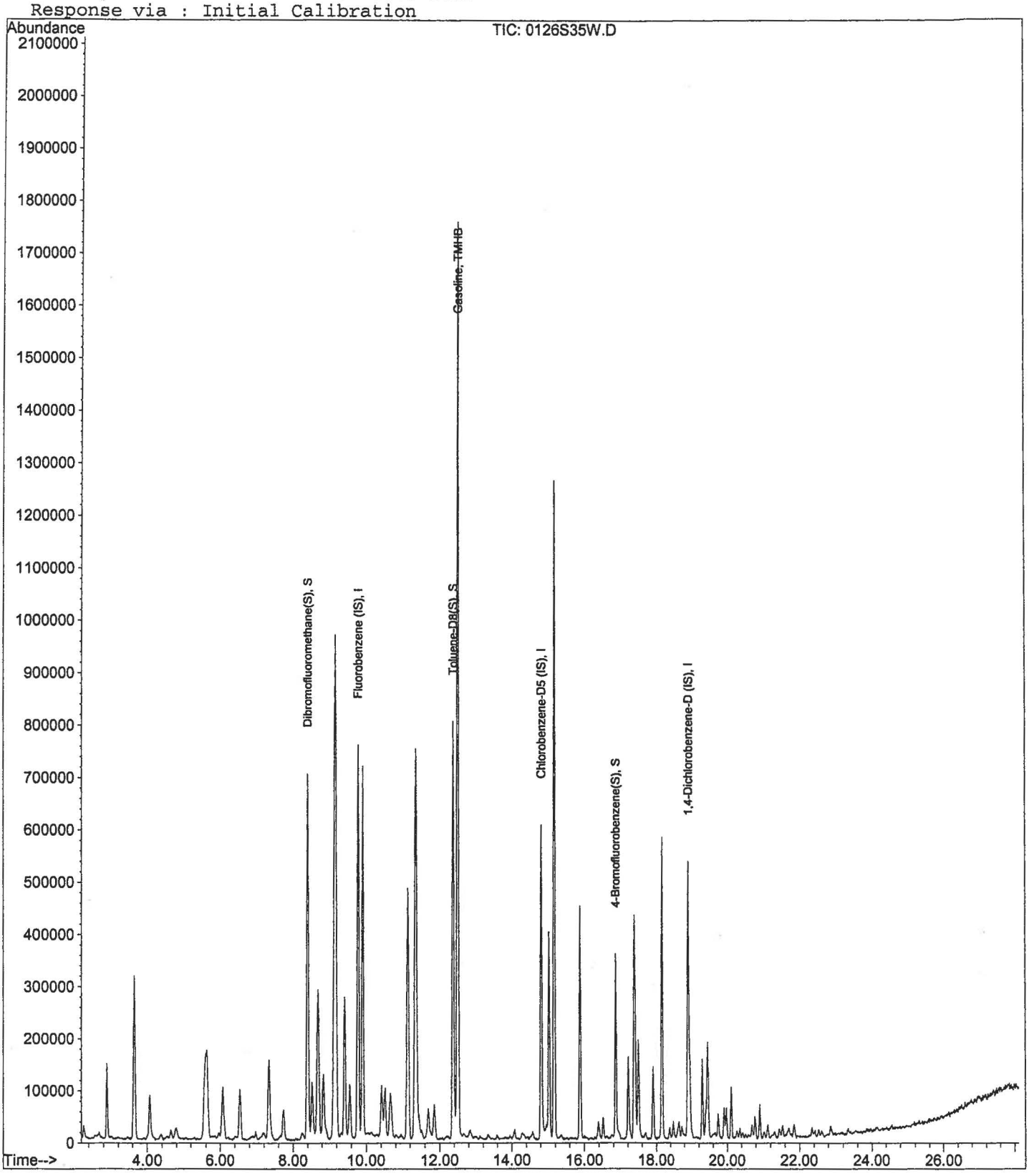
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	752563	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.82	TIC	602708	25.00000 ppb	0.01
7) 1,4-Dichlorobenzene-D (IS)	18.91	TIC	528360	25.00000 ppb	0.01
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	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
0126S35W.D SGAS.M Mon Feb 14 10:42:39 2011 Page 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

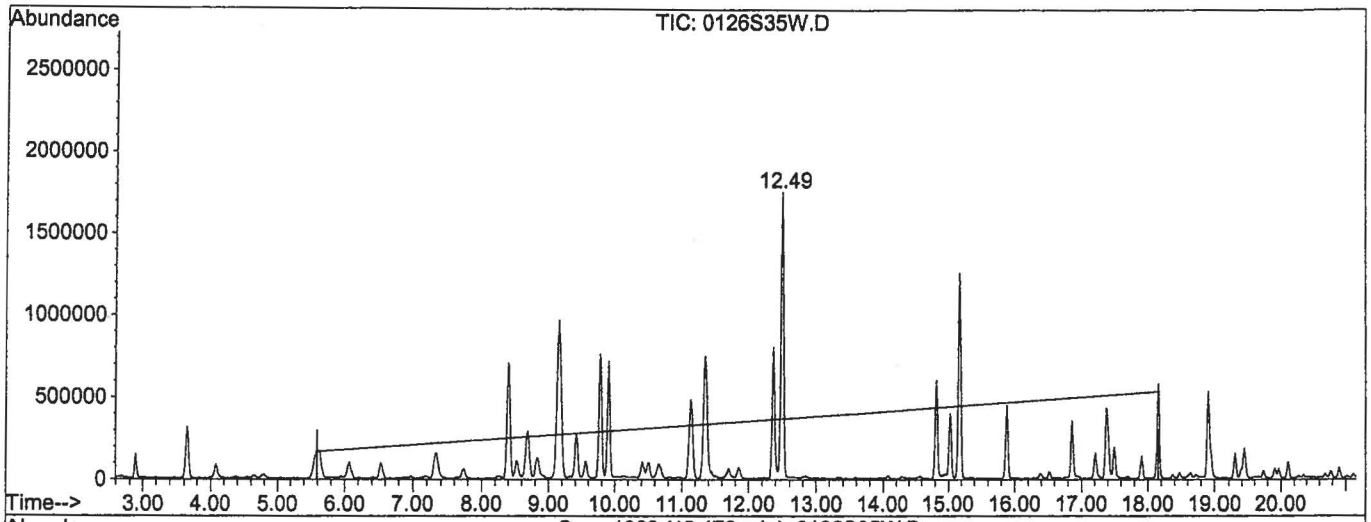
Quant Time: Feb 14 10:42 2011 Quant Results File: SGAS.RES

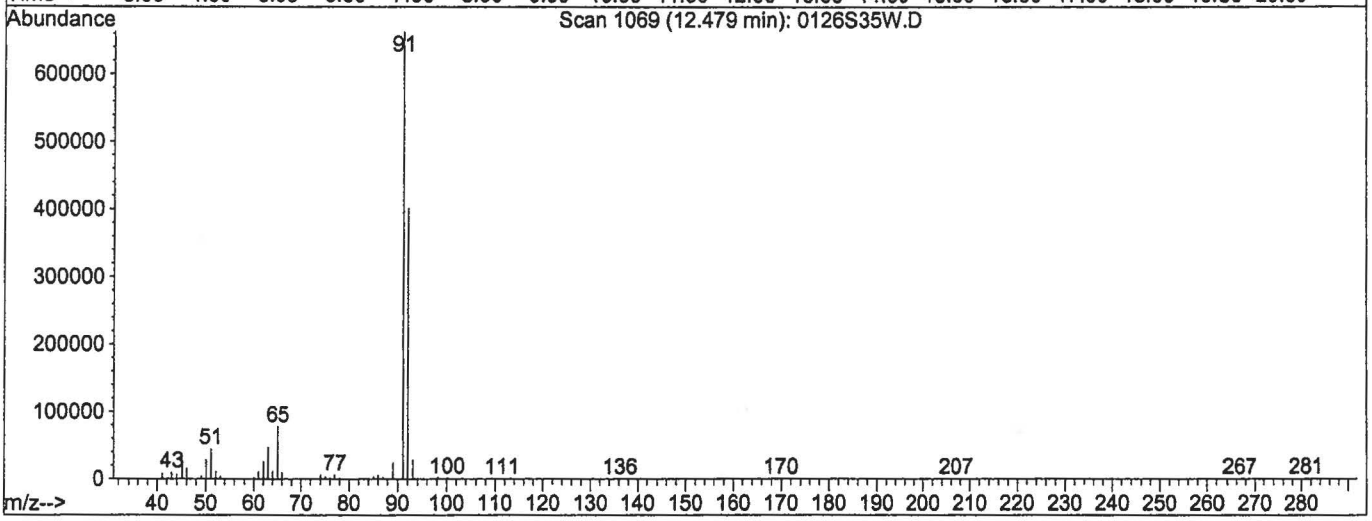
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



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)

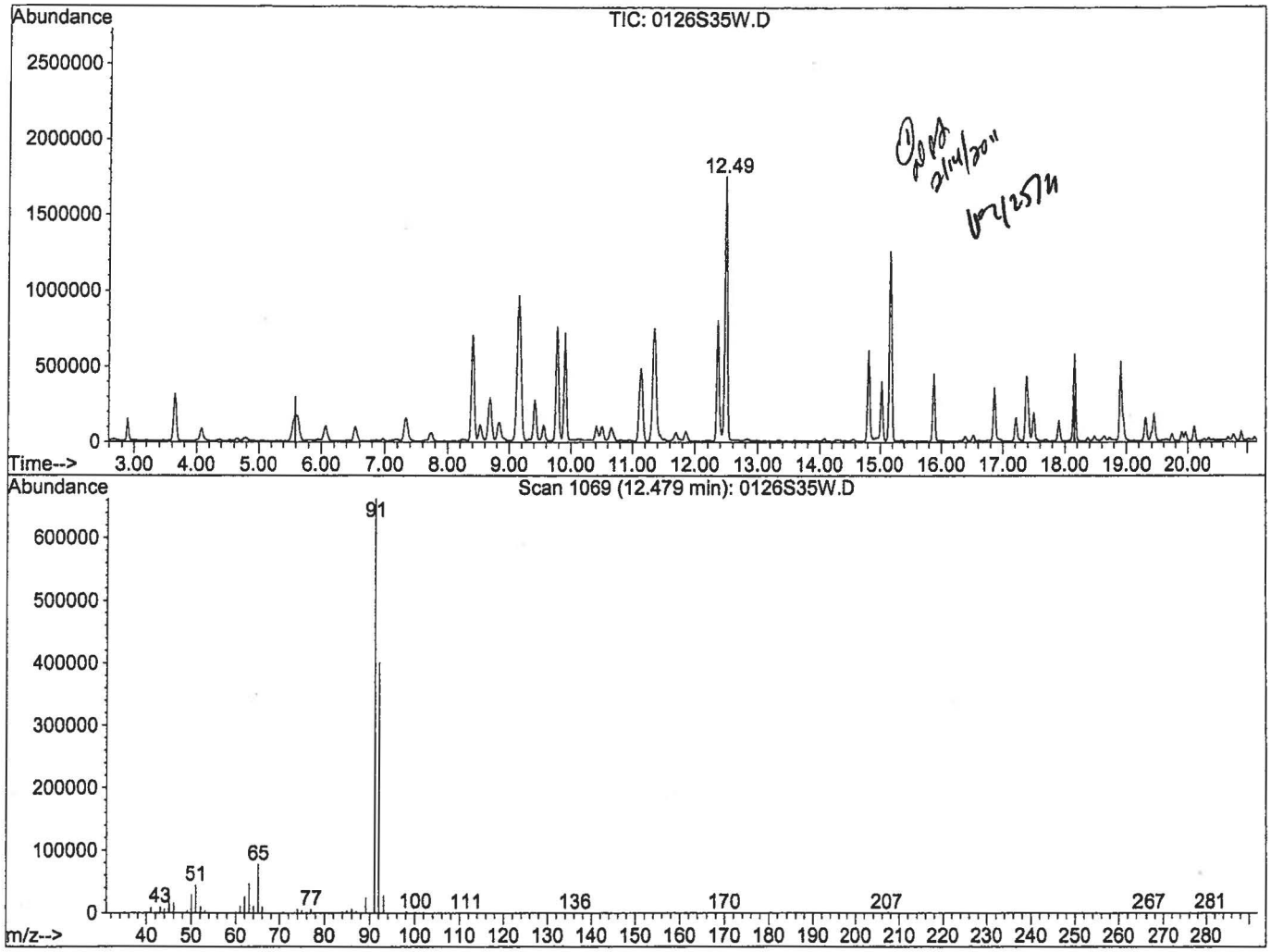
12.48min 315.3562ppb m

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

Blank Name/QCG: **110126W-30578 - 151943**
Batch ID: #86RHB-110126AS

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	1/27/11	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

Blank Name/QCG: **110126W-30578 - 151943**

Batch ID: #86RHB-110126AS

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	METHYLENE CHLORIDE	0.47 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

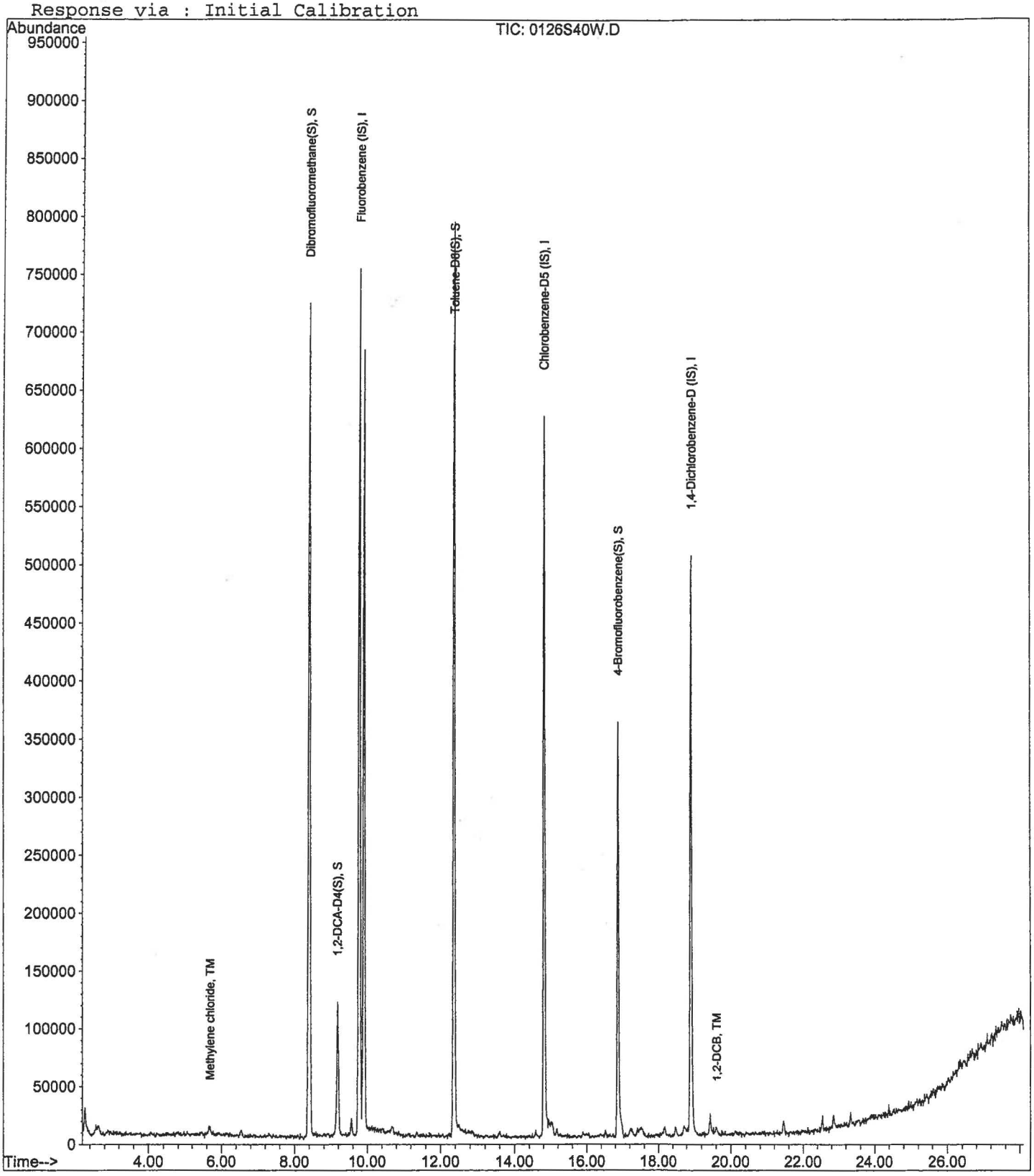
(#) = qualifier out of range (m) = manual integration

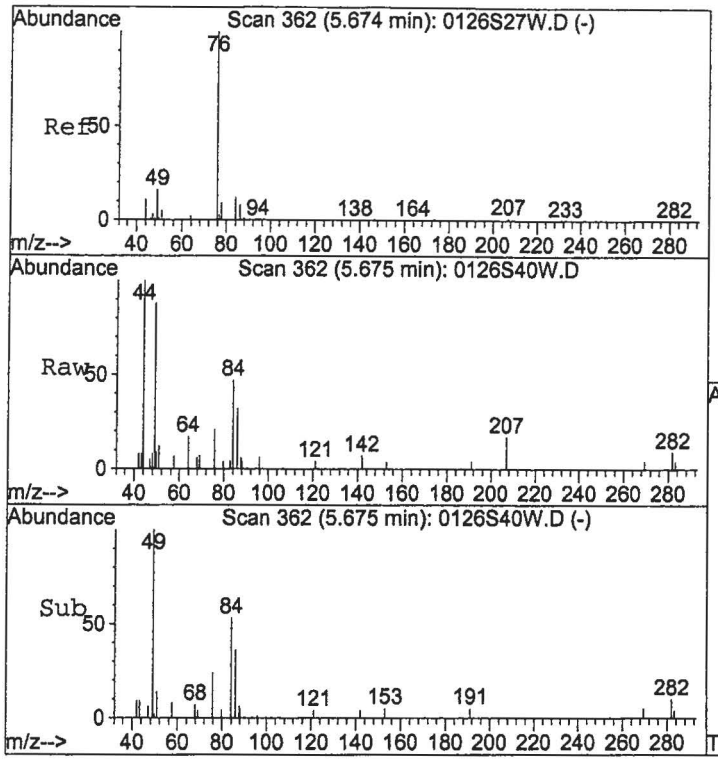
Quantitation Report

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

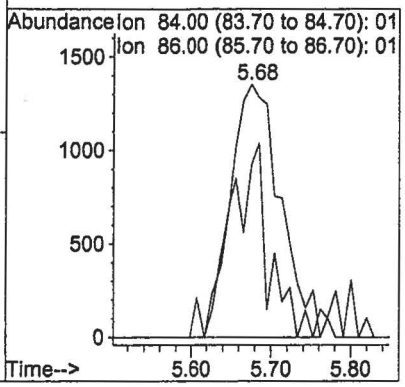


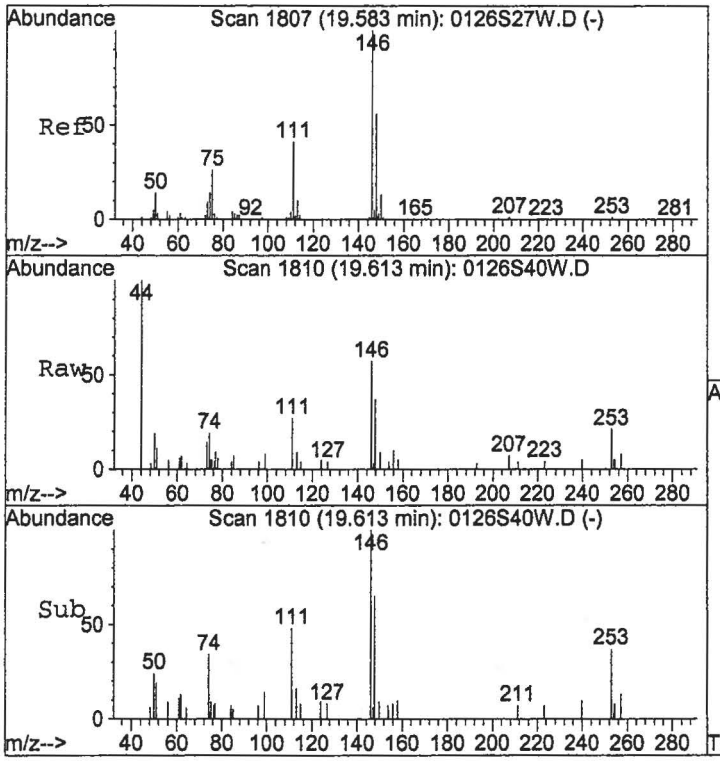


#10
Methylene chloride
Concen: 0.47224 ppb
RT: 5.68 min Scan# 362
Delta R.T. 0.00 min
Lab File: 0126S40W.D
Acq: 27 Jan 11 12:16

Tgt Ion: 84 Resp: 1353

Ion	Ratio	Lower	Upper
84	100		
86	68.3	48.7	90.3

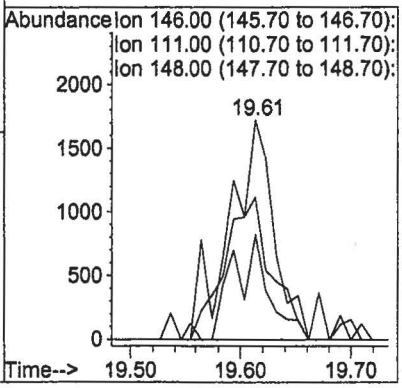




#68
1,2-DCB
Concen: 0.54271 ppb
RT: 19.61 min Scan# 1810
Delta R.T. 0.03 min
Lab File: 0126S40W.D
Acq: 27 Jan 11 12:16

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



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%			

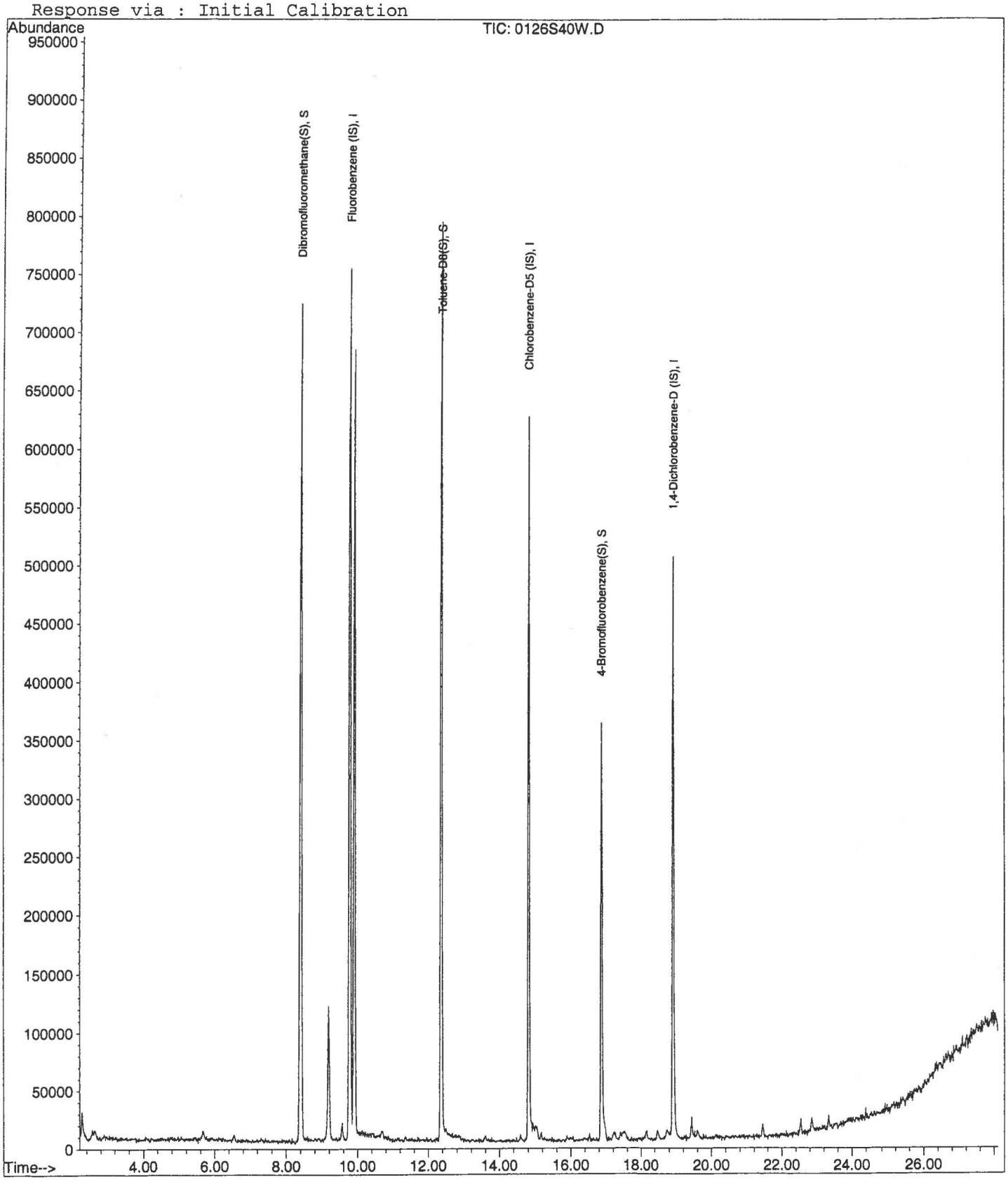
Target Compounds Qvalue

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

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



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						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		19.69258
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

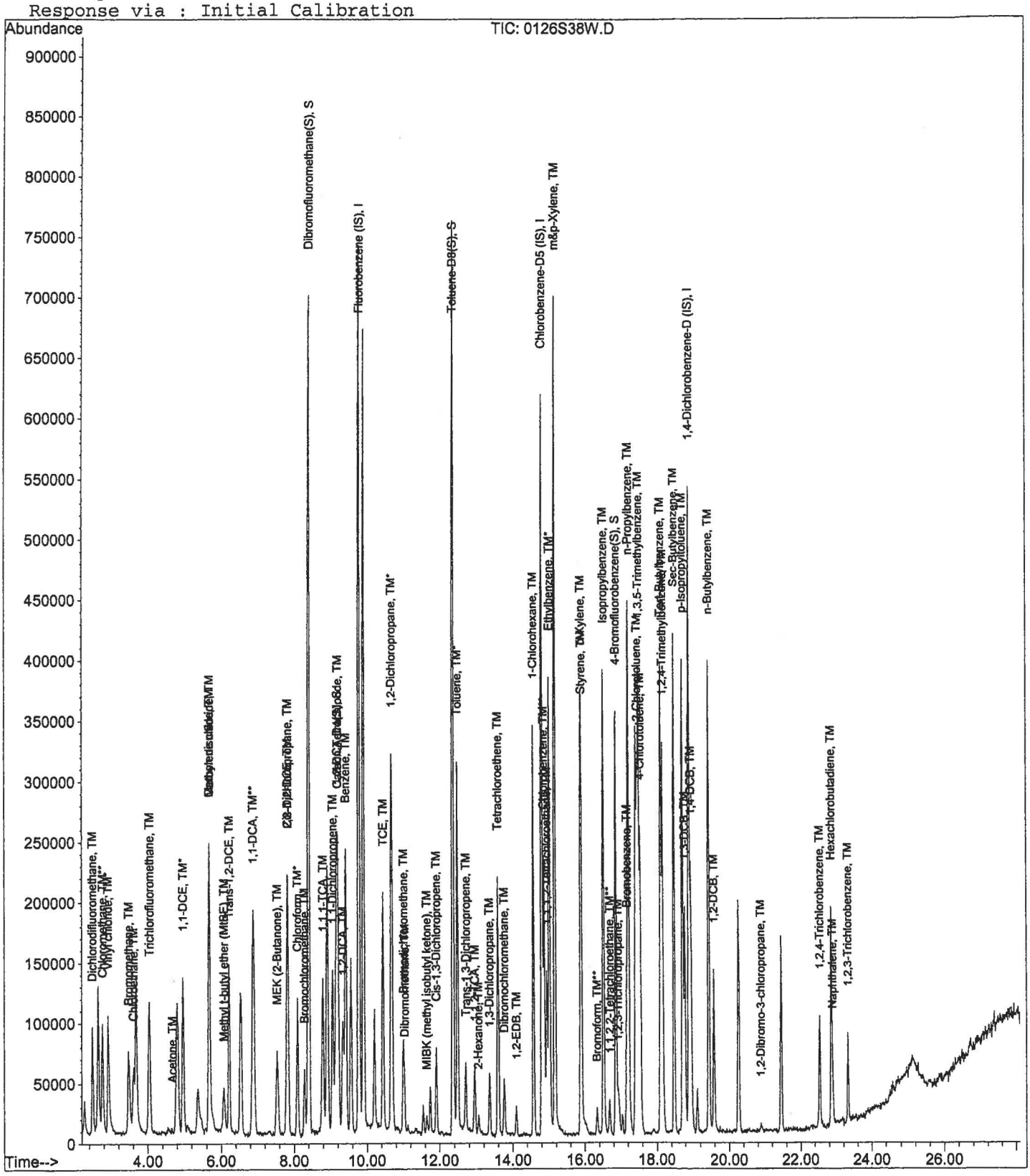
(#) = qualifier out of range (m) = manual integration

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



Quantitation Report (QT Reviewed)

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

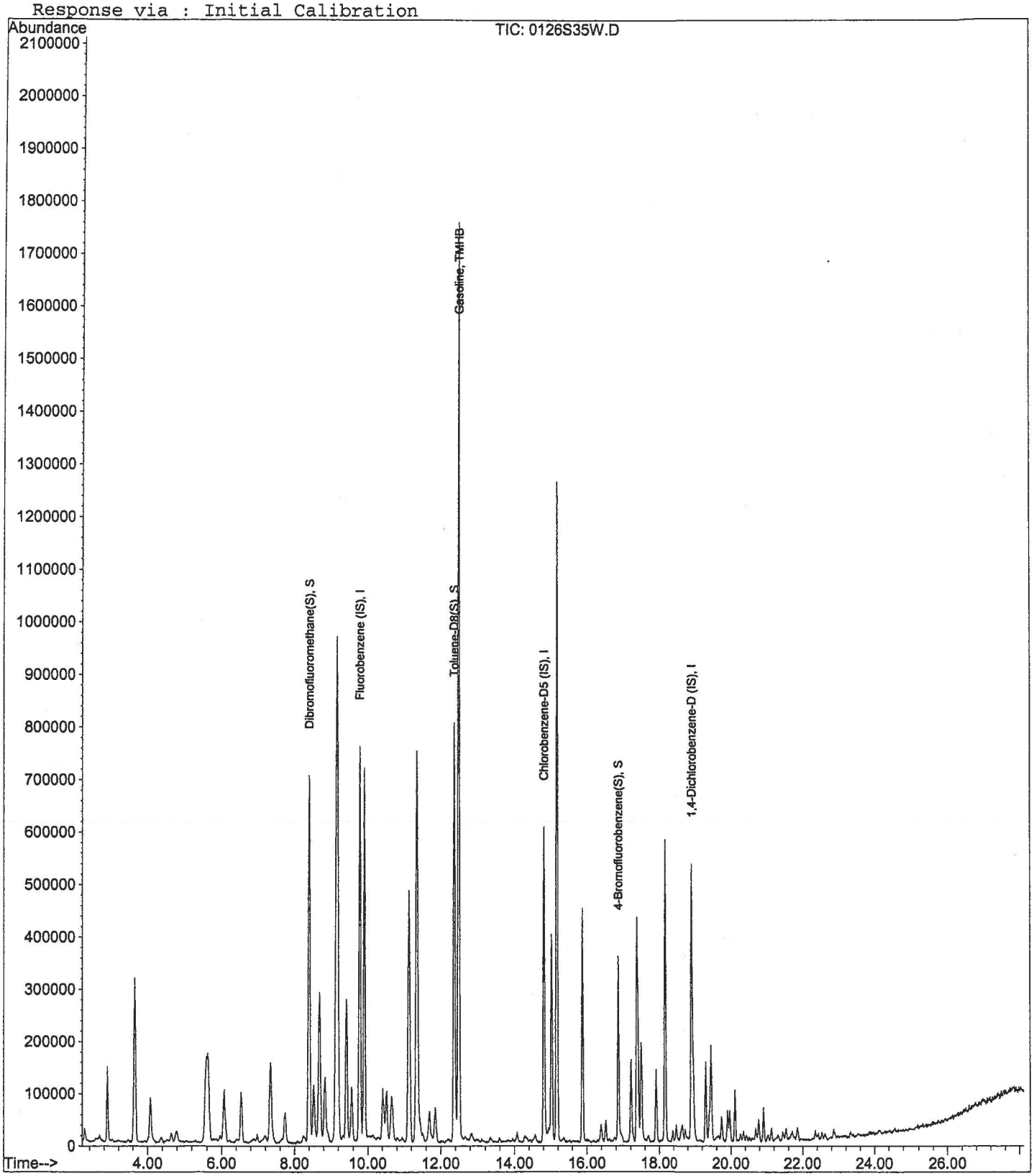
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.77	TIC	752563	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.82	TIC	602708	25.00000 ppb	0.01
7) 1,4-Dichlorobenzene-D (IS)	18.91	TIC	528360	25.00000 ppb	0.01
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	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

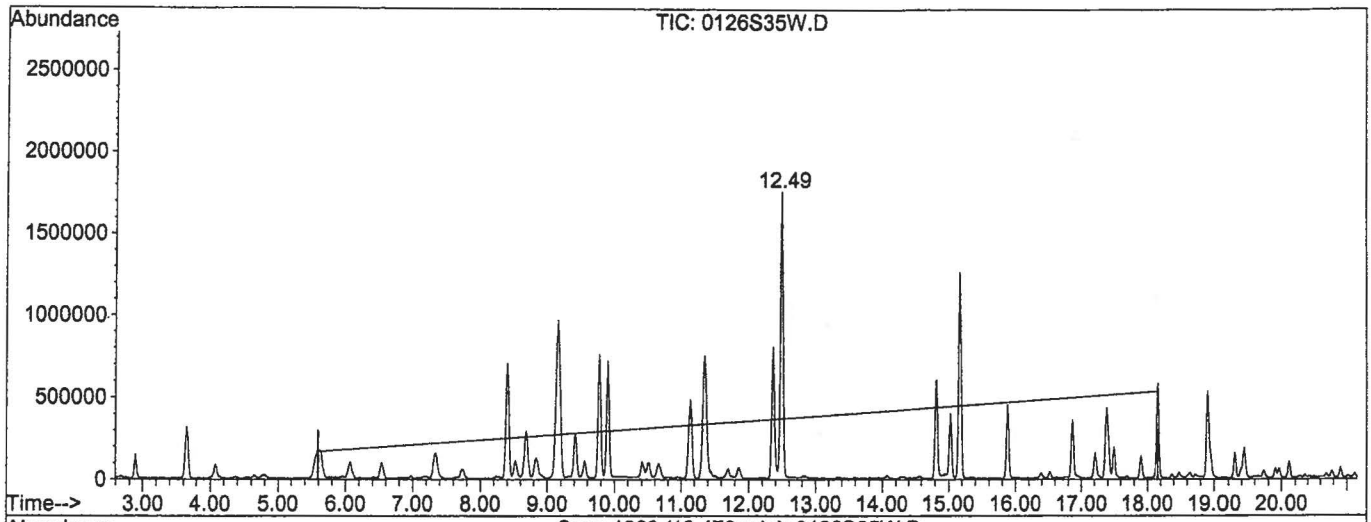
Quant Time: Feb 14 10:42 2011 Quant Results File: SGAS.RES

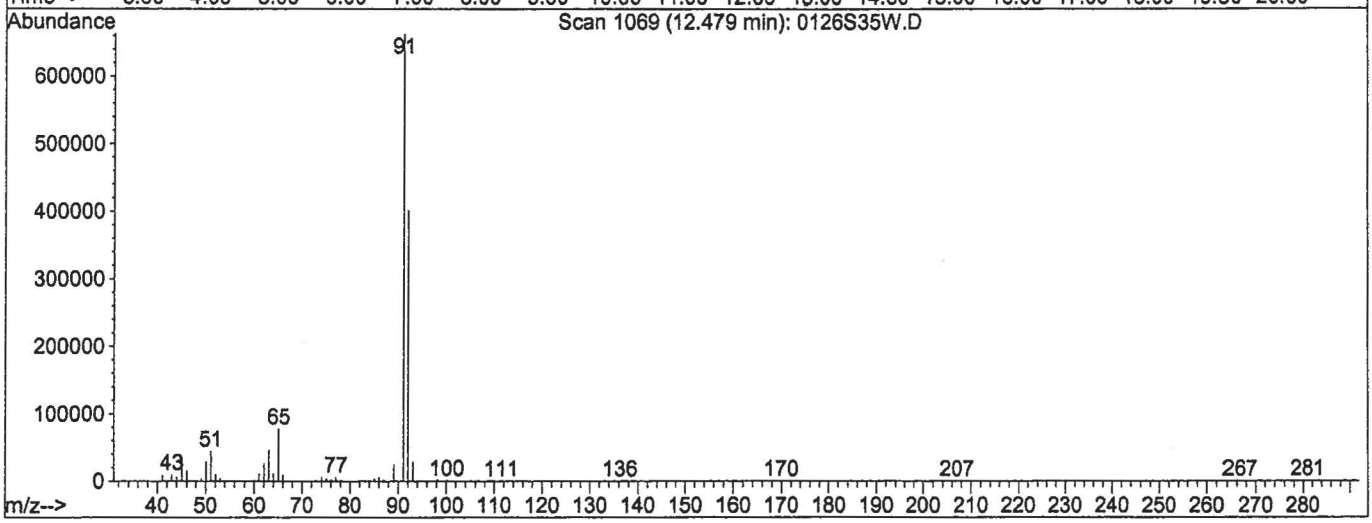
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



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)

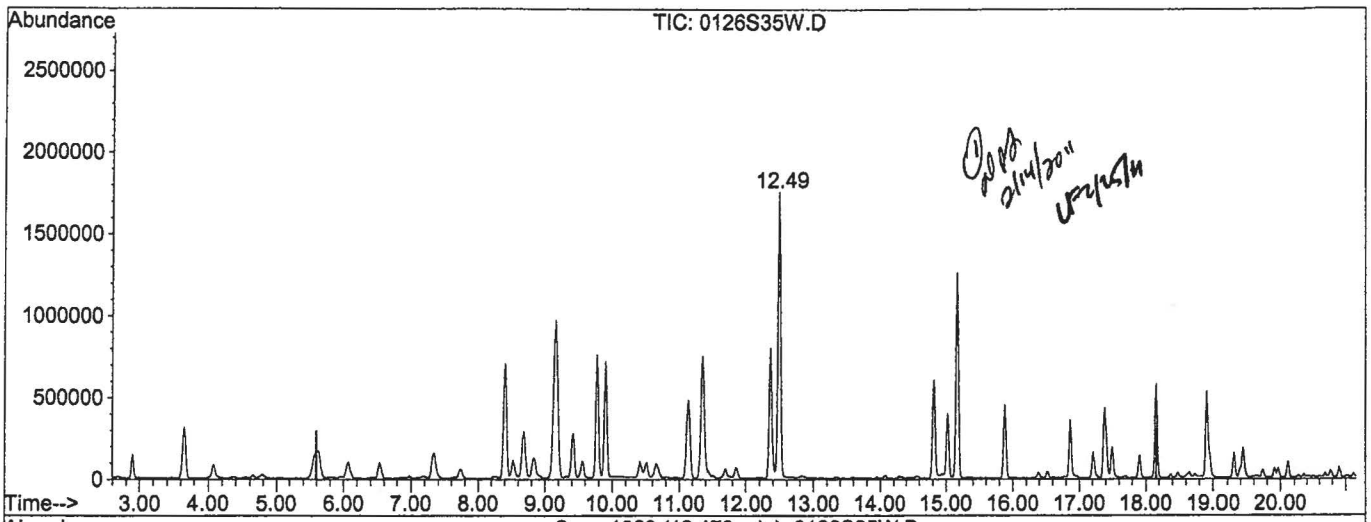
12.48min 315.3562ppb m

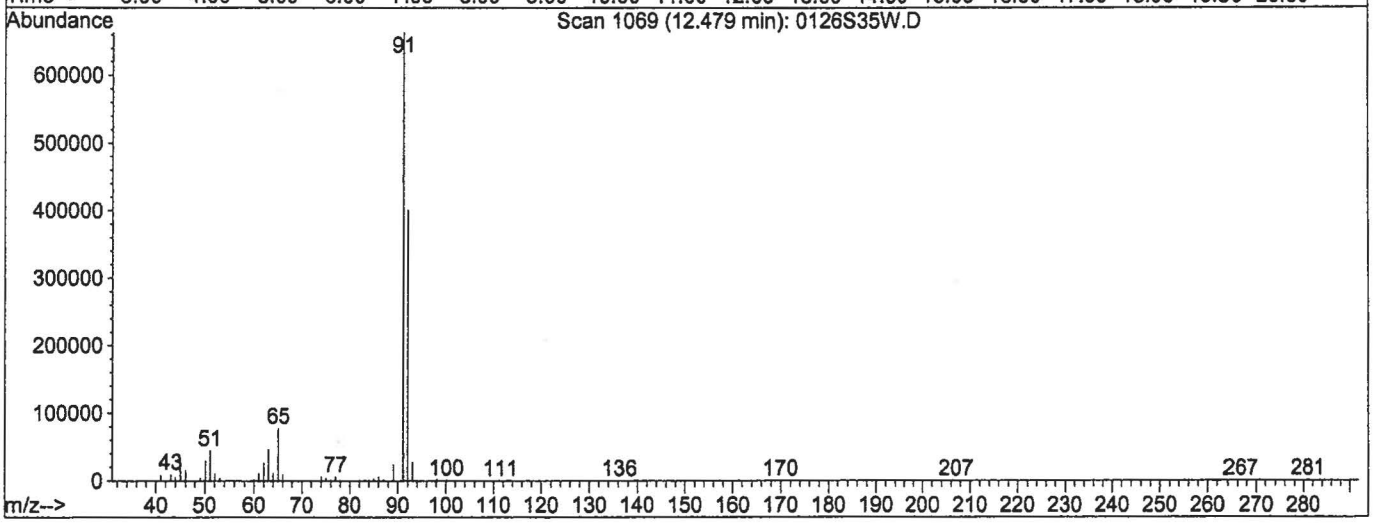
response 34212549

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

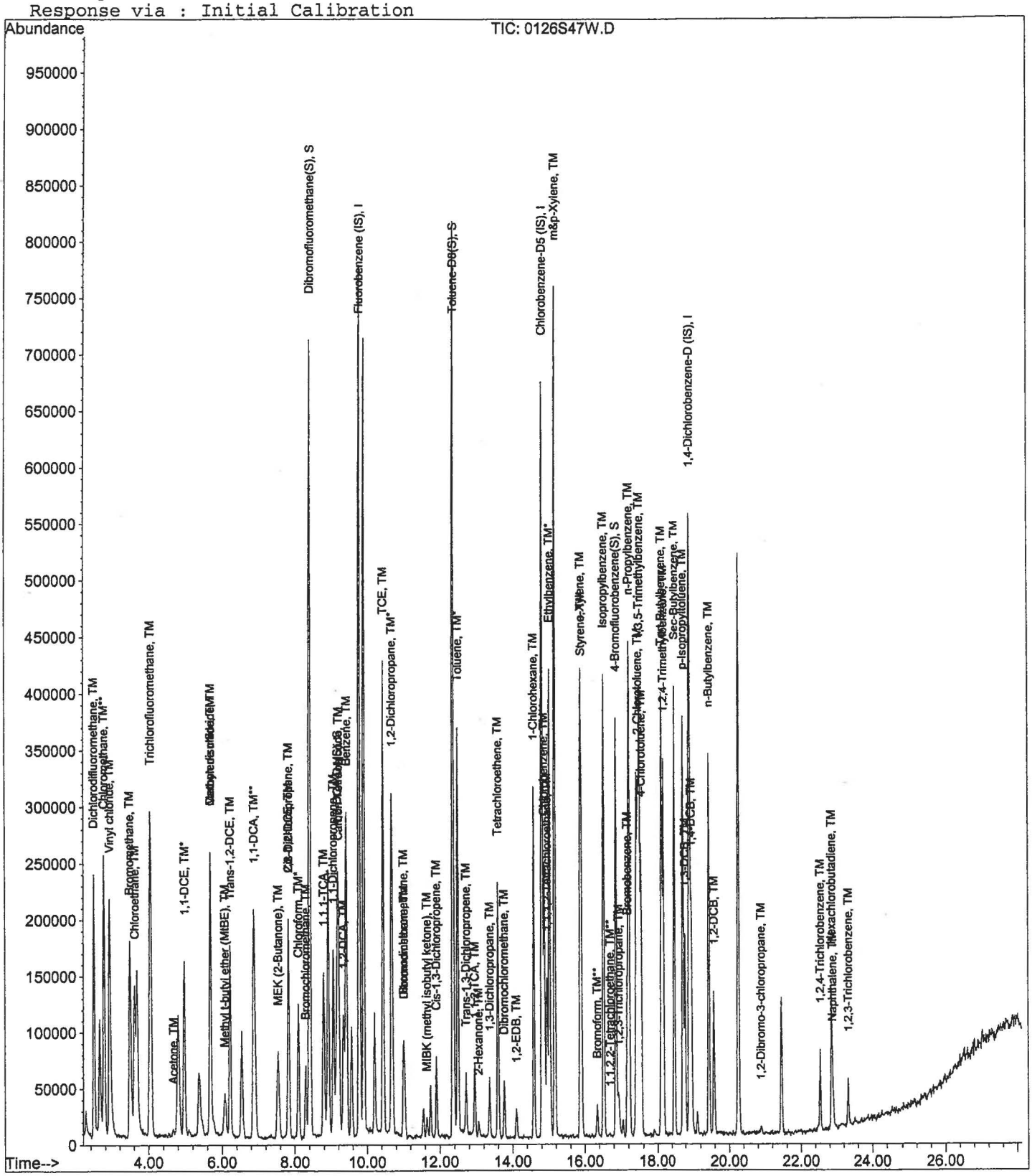
(#) = qualifier out of range (m) = manual integration

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						
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						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		82
5) Bromomethane	3.47	94	66448	26.23567 ppb		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		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

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

	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

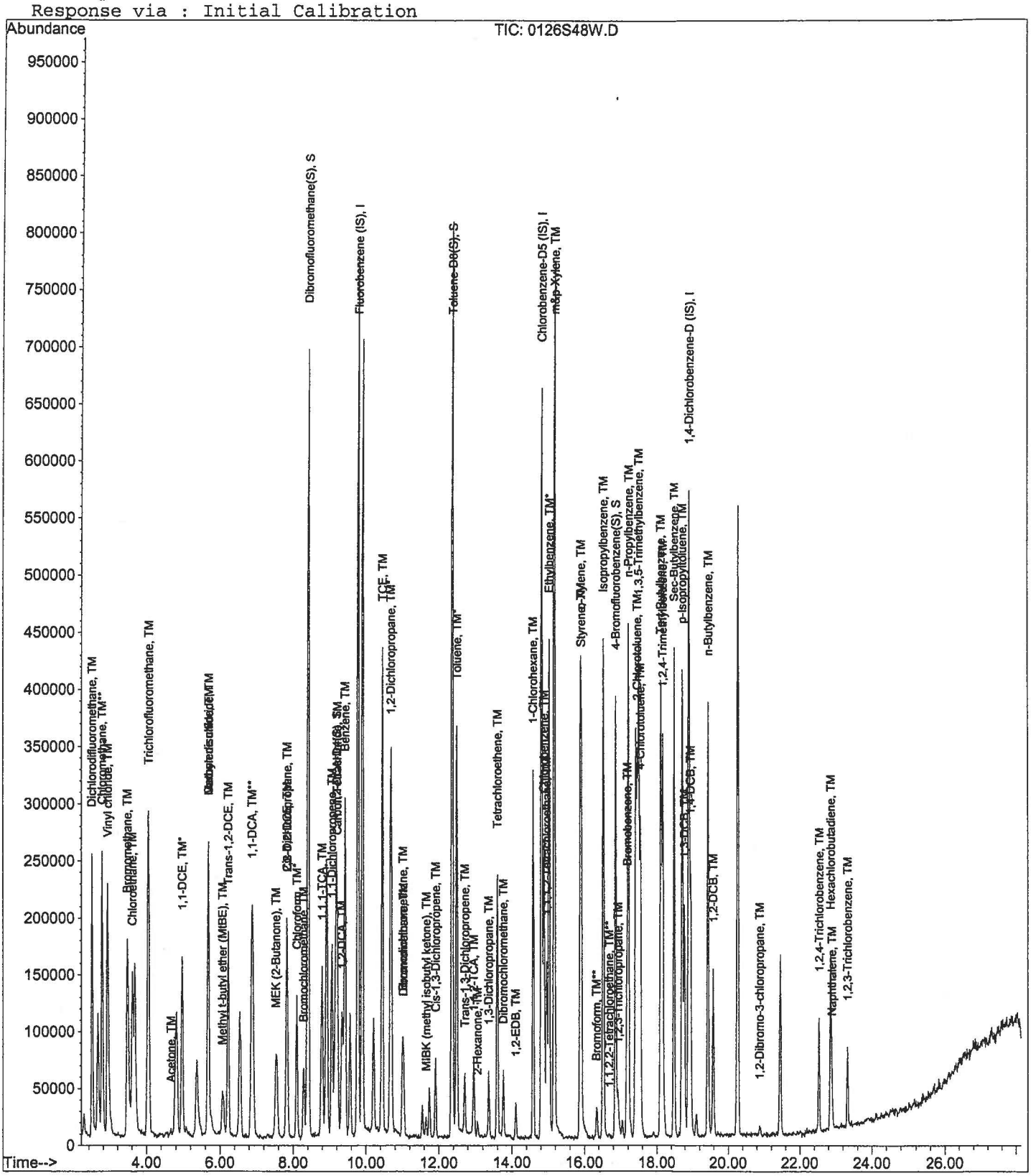
(#) = qualifier out of range (m) = manual integration

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

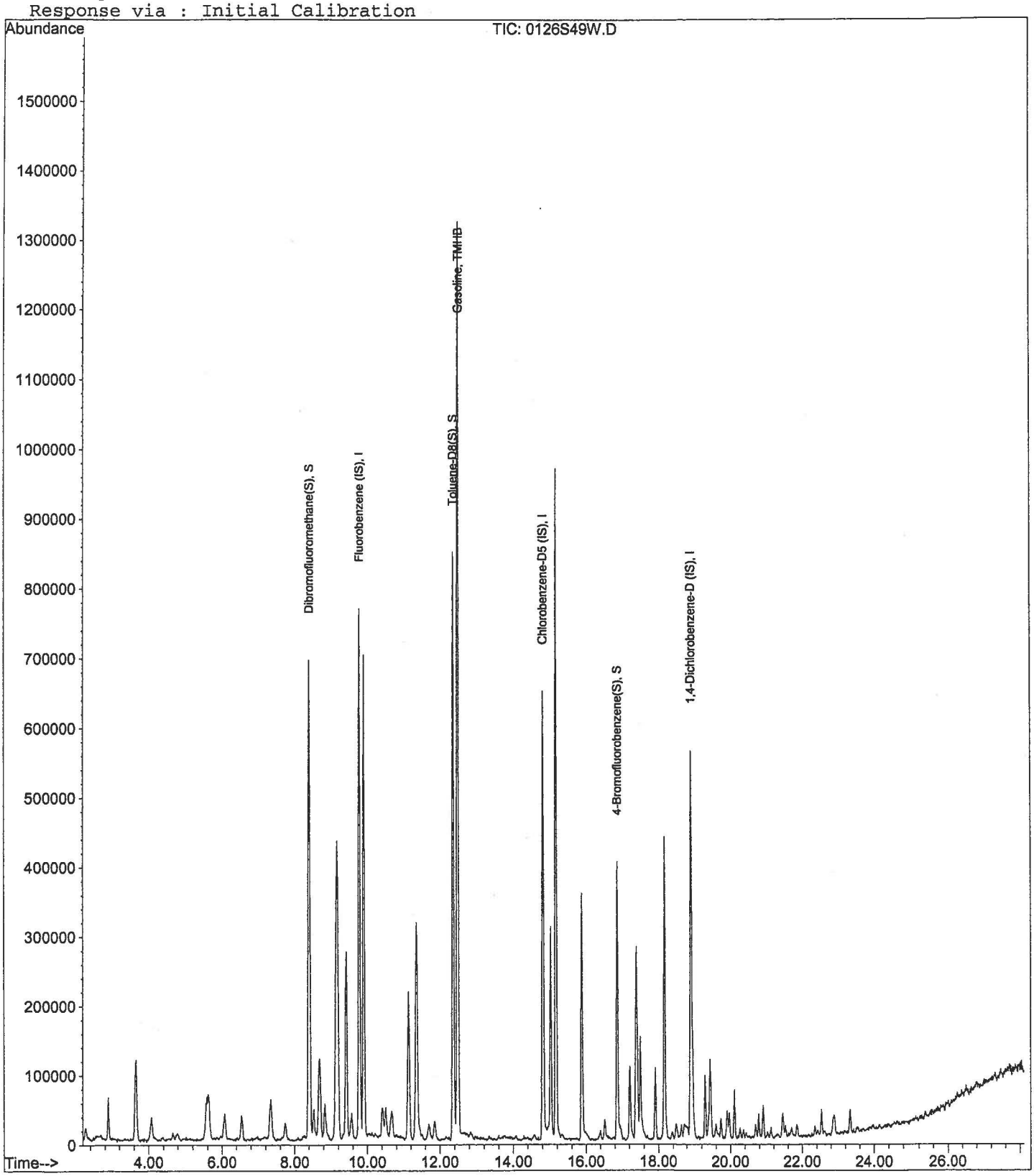
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	9.78	TIC	761631	25.00000 ppb	0.00
4) Chlorobenzene-D5 (IS)	14.81	TIC	645165	25.00000 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	18.90	TIC	557688	25.00000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane(S)	8.40	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

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

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

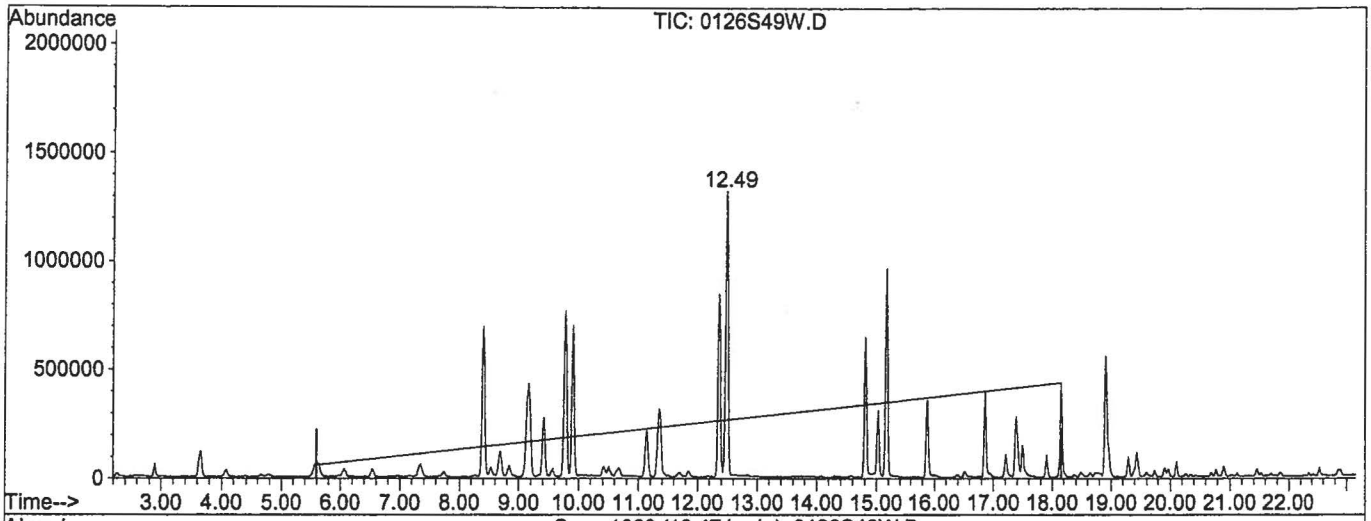
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration

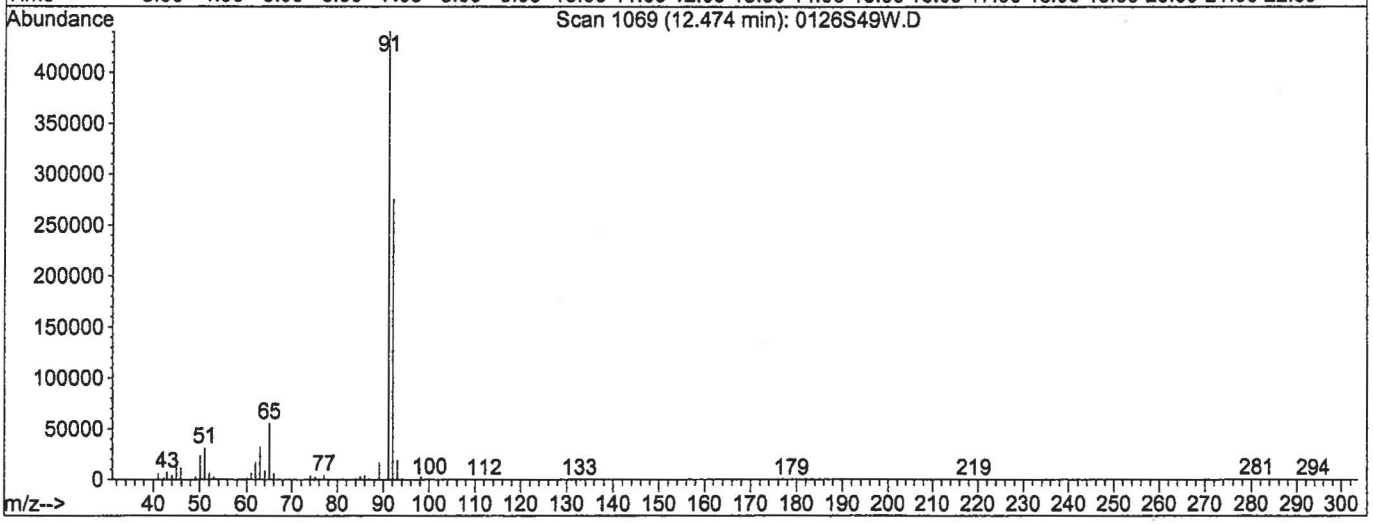


Quantitation Report

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 10:43 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

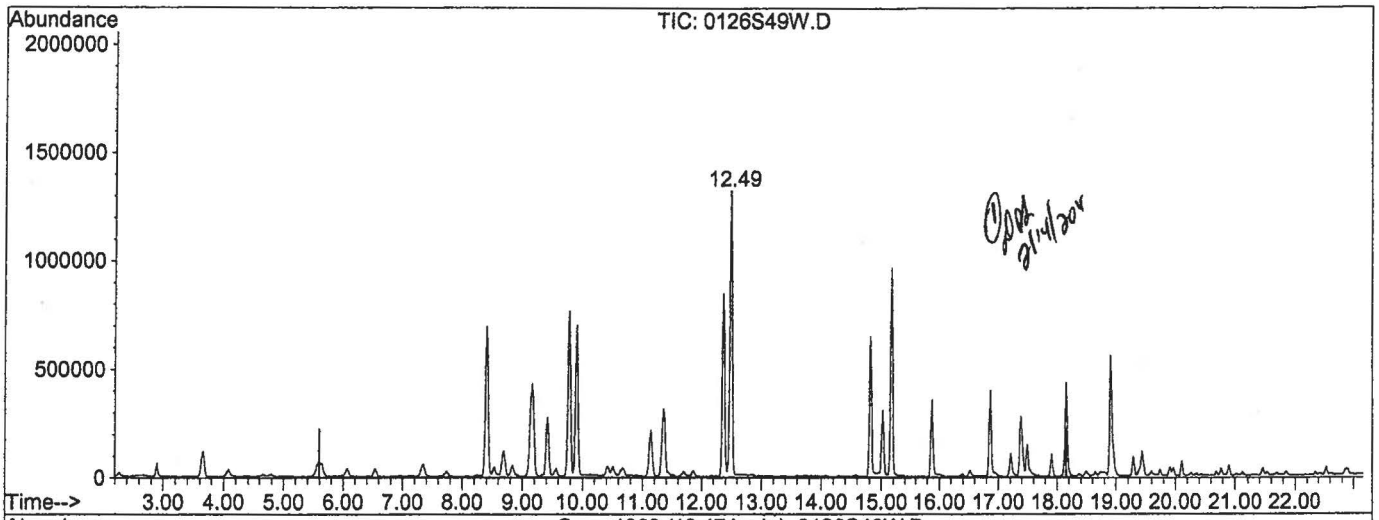
response 23009005

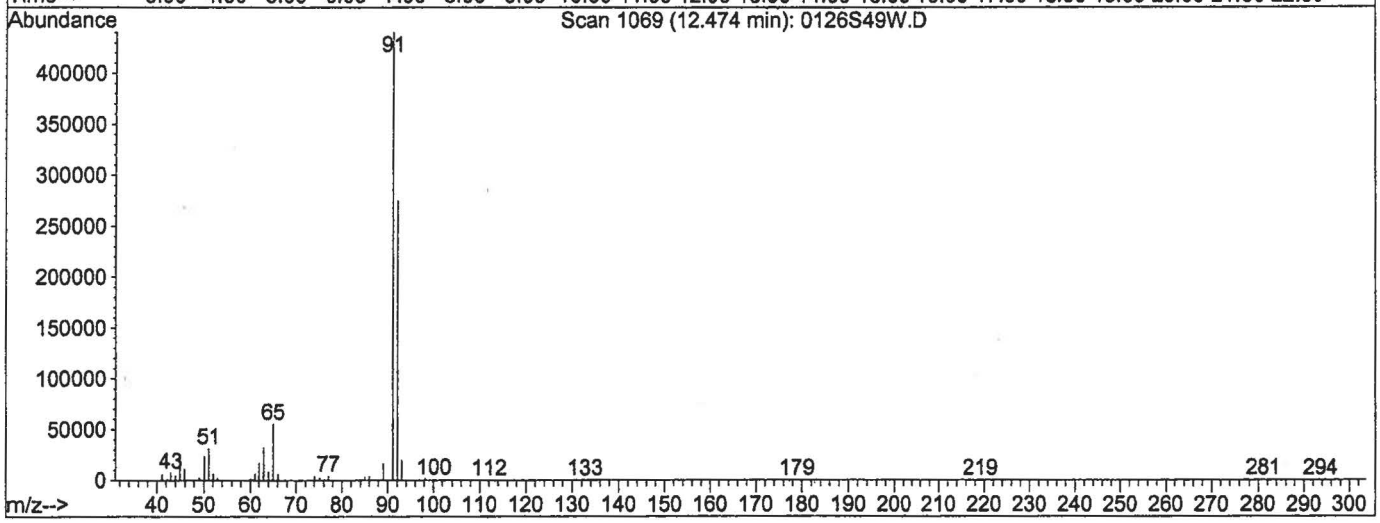
Ion	Exp%	Act%
TIC	100	100
0.00	0.00	0.22#
0.00	0.00	0.69#
0.00	0.00	0.00

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

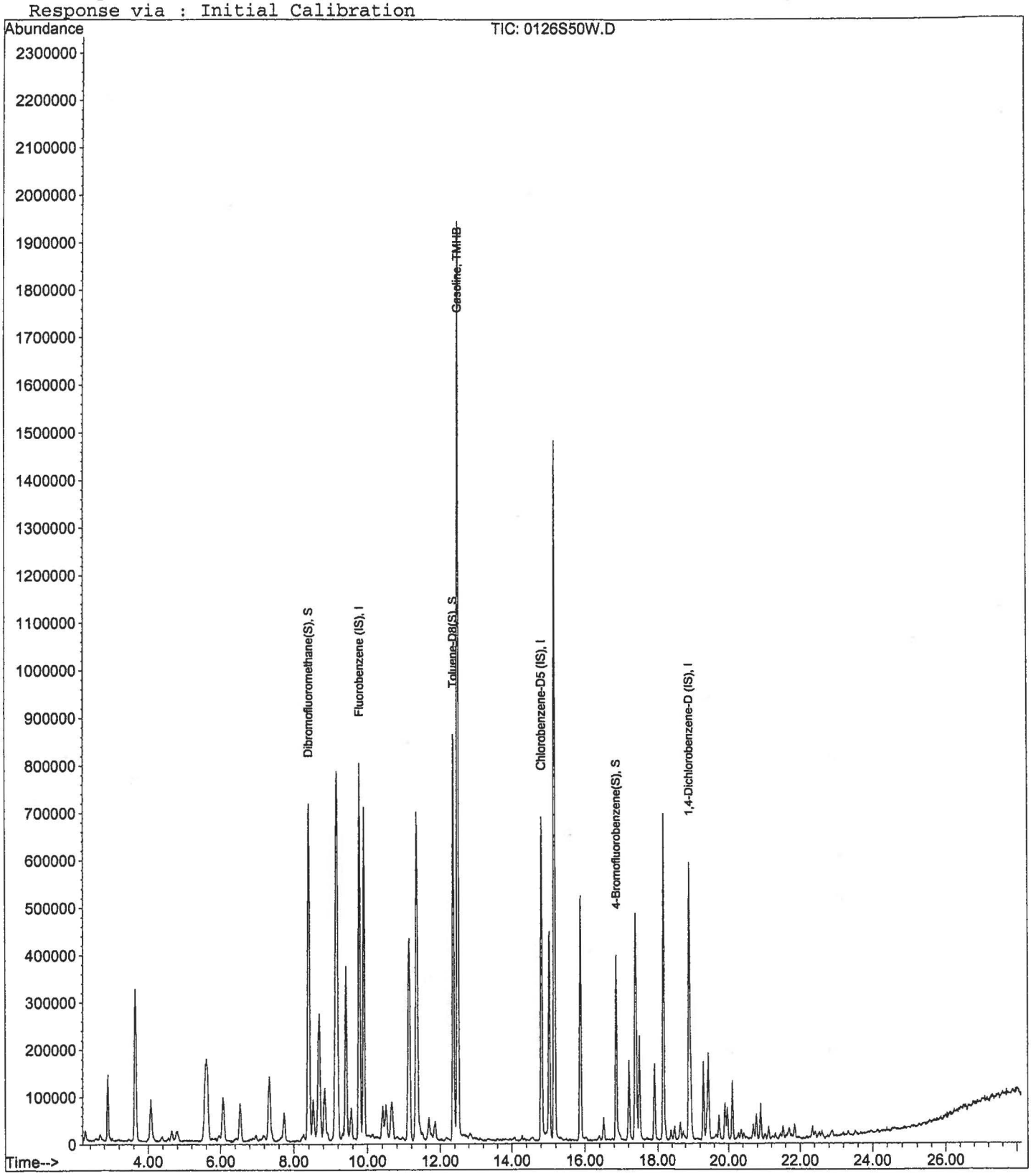
response 34076955

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

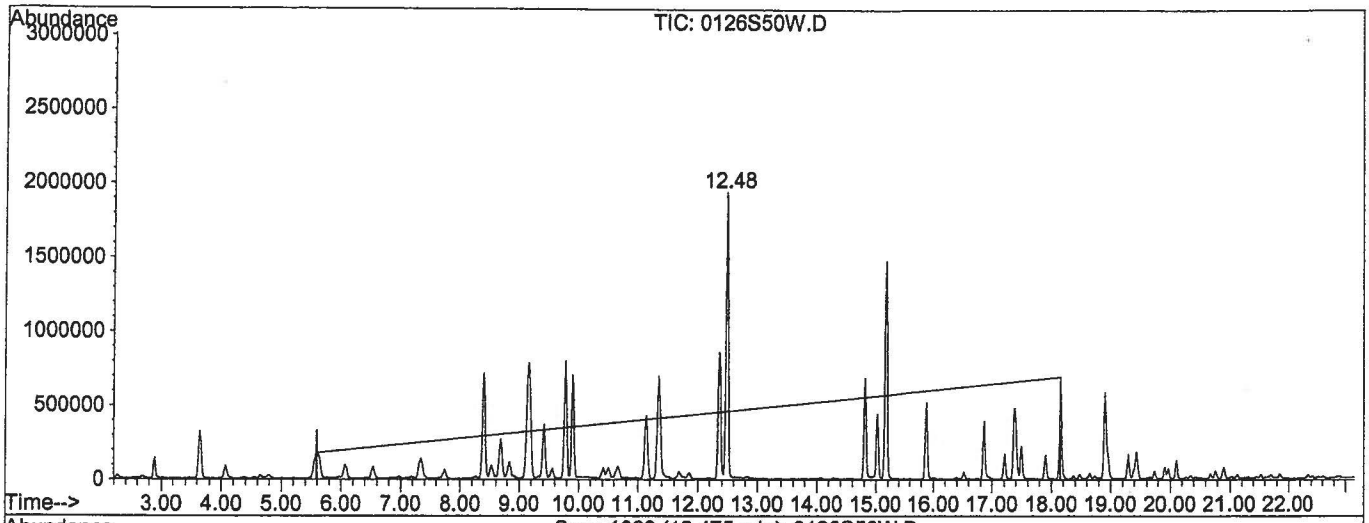
Quant Time: Feb 14 10:53 2011 Quant Results File: SGAS.RES

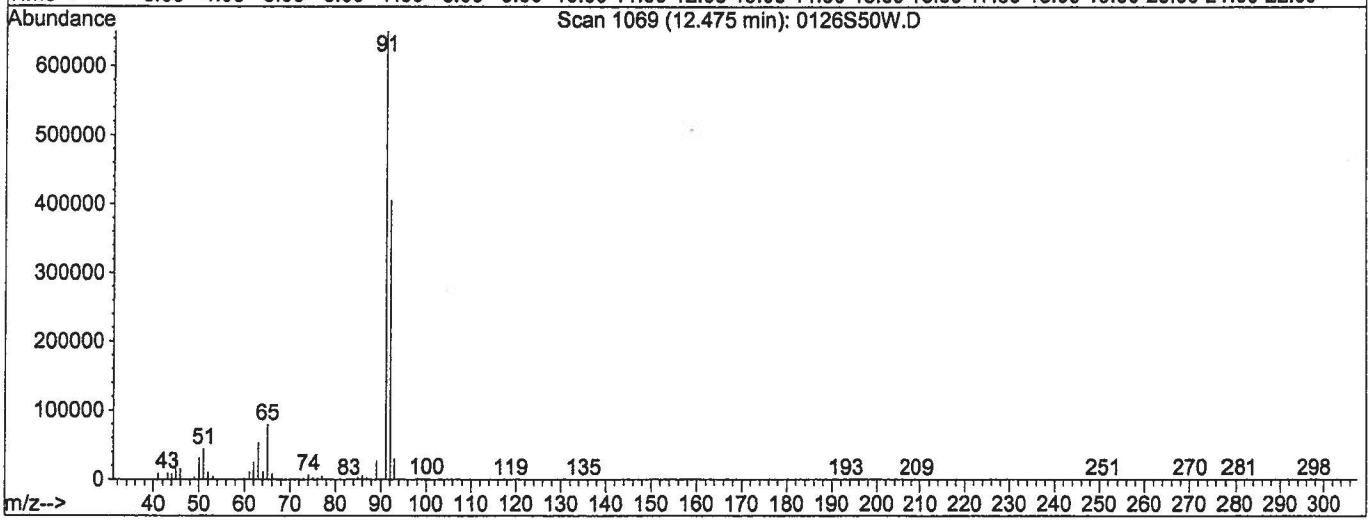
Method : M:\SWEETPEA\DATA\S110126\SGAS.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Feb 11 16:43:15 2011
Response via : Initial Calibration



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)

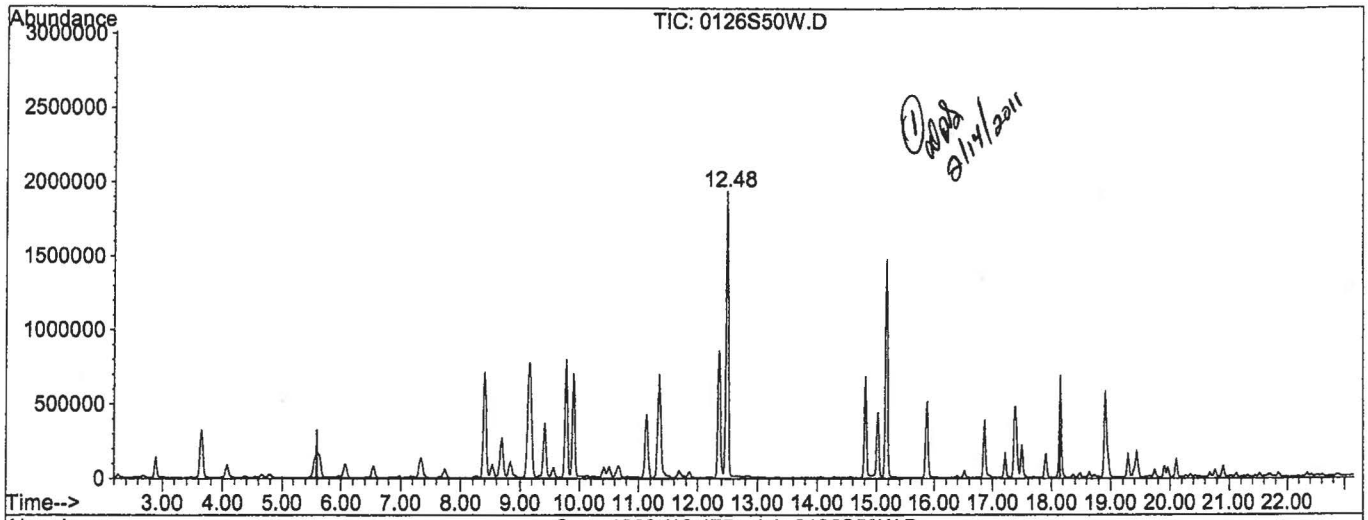
12.48min 300.4060ppb m

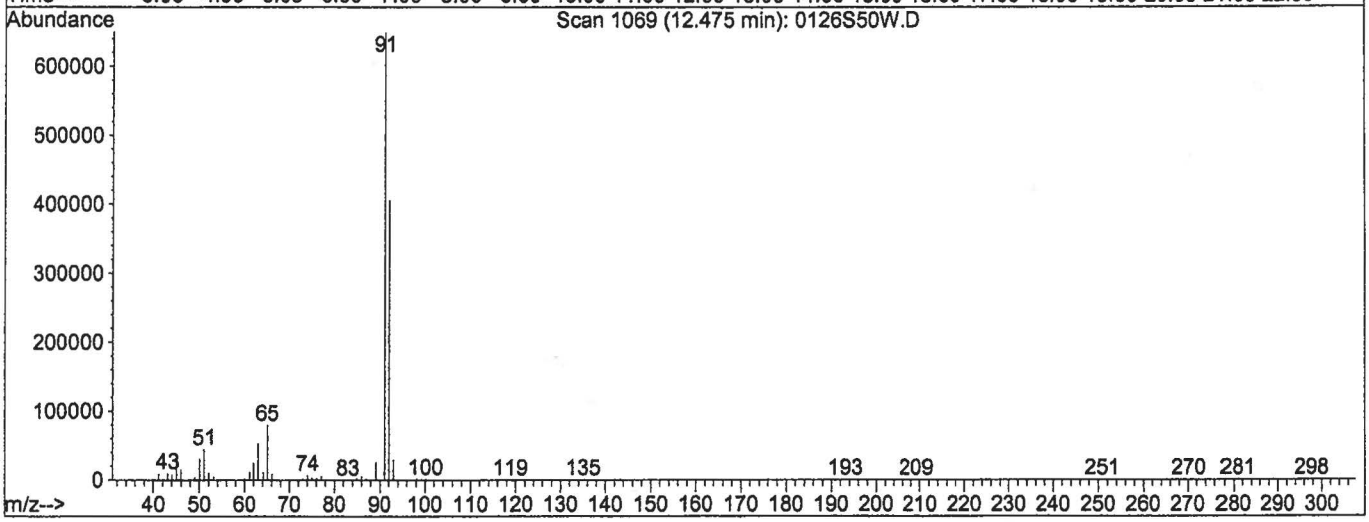
response 35023926

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)

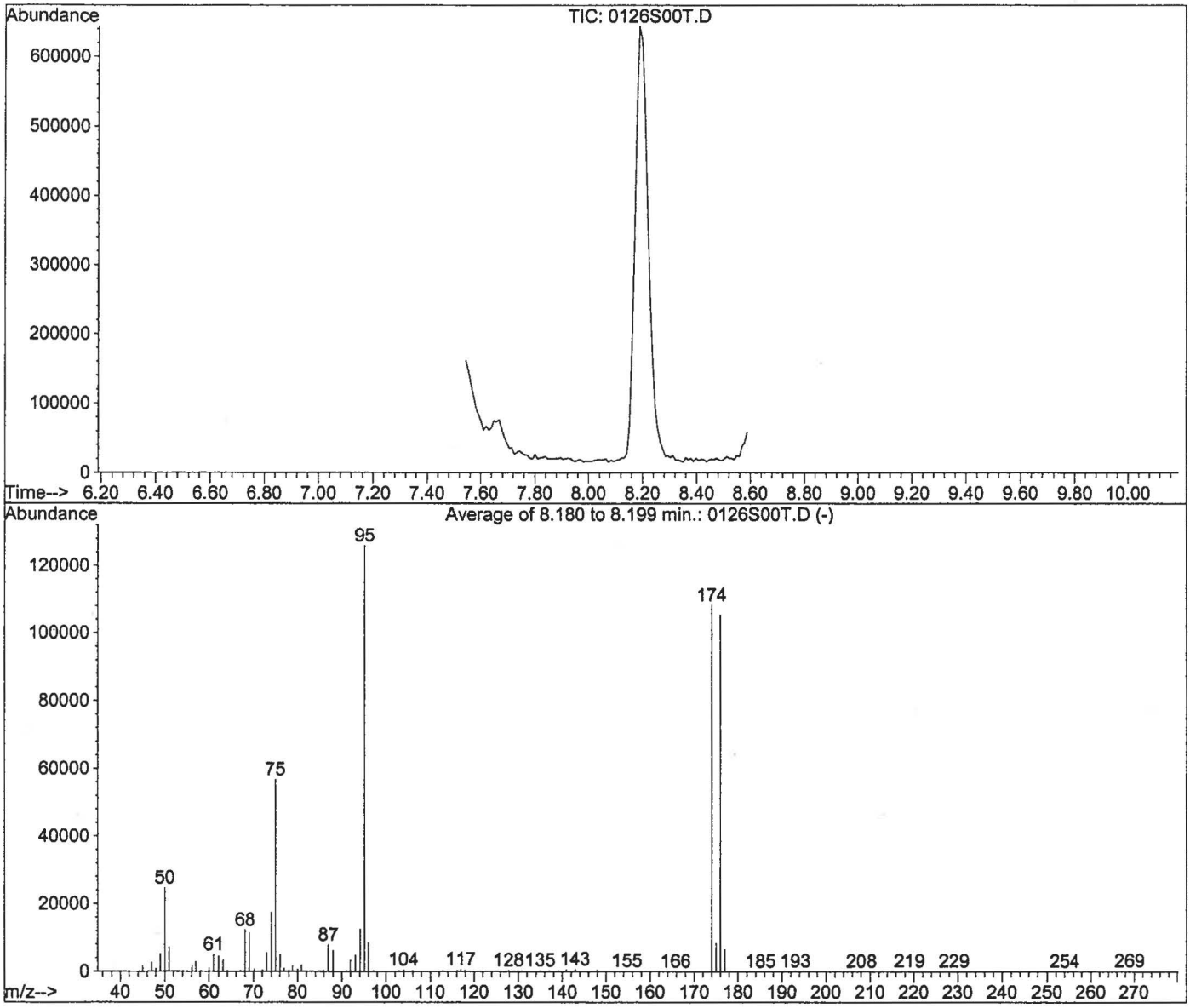
12.48min 484.8303ppb m

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



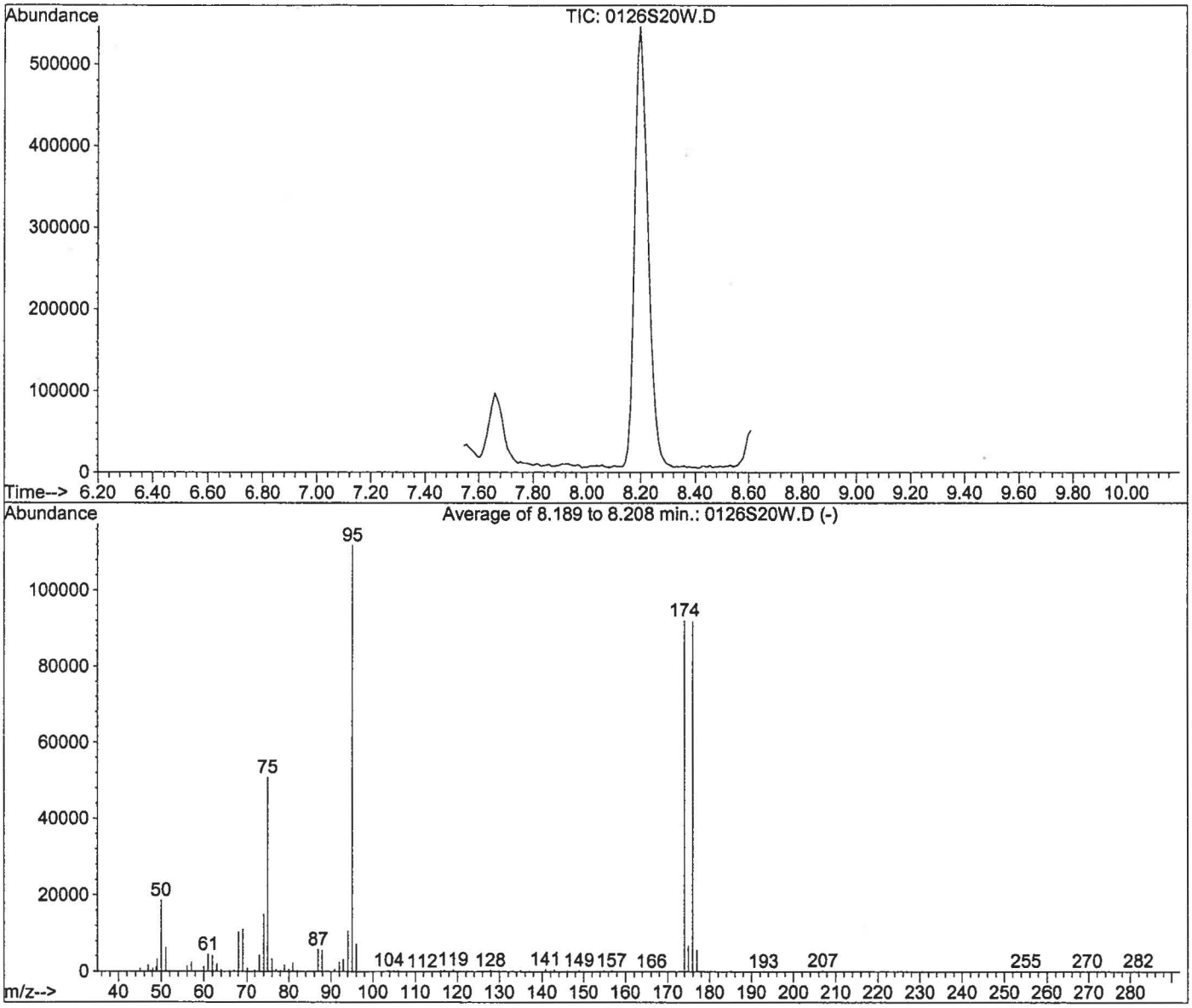
Spectrum Information: Average of 8.180 to 8.199 min.

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

0126S00T.D SGAS.M Thu Feb 24 14:32:40 2011

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



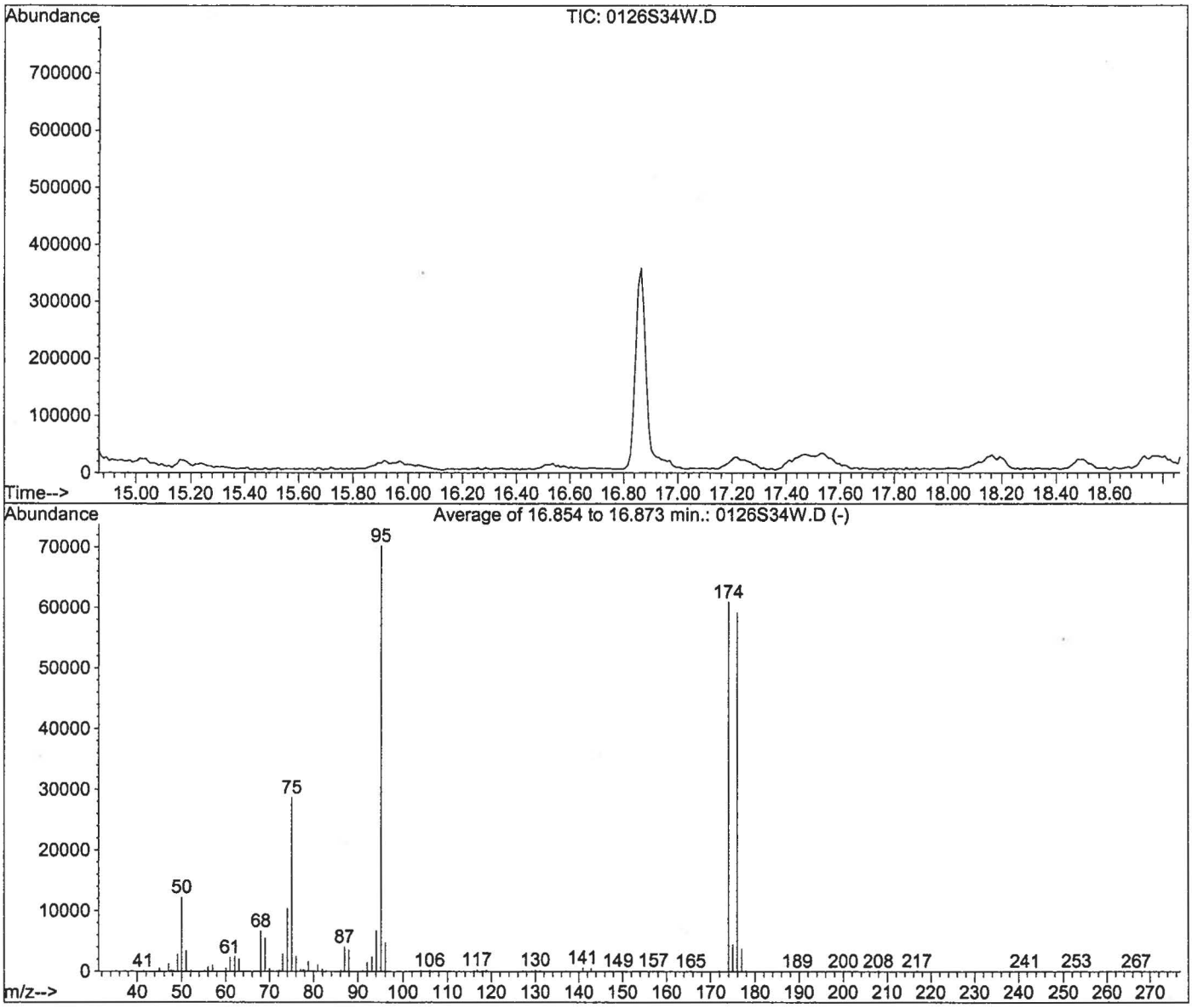
Spectrum Information: Average of 8.189 to 8.208 min.

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

0126S20W.D S86DODW.M Thu Feb 24 14:04:59 2011

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

0126S34W.D S86DODW.M Thu Feb 24 14:05:40 2011

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1-24-11 G-
RS

VOC Mix 4-3, 2,000 mg/L, 1 ml

o2si smart solutions

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
020229-09-02
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 smart solutions

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

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

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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							
Exp:01/31/11						APPL	
Supplier	ID #		Conc.		Date	Exp.	
			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	

1/24/11 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
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
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

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
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	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
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

1-24-11 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

1-26-11 RS

Gasoline Curve Preparation for 100mL Purge (water)-Sweetpea

	Expiration Date:		01/27/11
		1µg/mL Gasoline	Final Vol
Date	Conc.	01-26-11F	w/P&T H2O
Code	µg/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						
		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
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
01-26-11O	0.3	3	6	n/a	n/a	n/a	3	n/a	n/a
01-26-11P	0.5	5	10	n/a	n/a	n/a	5	n/a	n/a
01-26-11Q	1	10	20	n/a	n/a	n/a	10	n/a	n/a
01-26-11R	5	n/a	n/a	5	5	10	n/a	5	5
01-26-11S	10	n/a	n/a	10	10	25	n/a	10	10
01-26-11T	20	n/a	n/a	20	20	40	n/a	20	20
01-26-11U	40	n/a	n/a	40	40	80	n/a	40	40
01-26-11V	100	n/a	n/a	100	100	n/a	n/a	100	100
01-26-11W	200	n/a	n/a	200	200	n/a	n/a	200	200

1-26-11 RS

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
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

1,2,3-Trichloropropane-d5 Solution, 2,000 mg/L, 1 ml

o2si Cat. No: 020596-01
Lot No: 151727
1,2,3-Trichloropropane-d5
Lot #: 151727 - 28110
Rec: 1/7/11 MFR exp. 10/17/12

Exp: 10/17/2012
Storage: <= -10 Degrees C
Solvent: P/T Methanol
ption For Research Use Only
Opened: _____

1-26-11 X

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

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 consump. Made in the USA

1,2,3-Trichloropropane
Lot #: 167410 - 28111
Rec: 1/7/11 MFR exp. 12/26/12

Z- AA- RS

PPS-260-1 ULTRA 1 mL
Lot: CG-1577
Exp: 05/31/2014
1,2,3-Trichloropropane Solution
1 analyte(s) at 1000 µg/mL in methanol
1,2,3-Trichloropropane
Lot #: CG-1577 - 28095
Rec: 1/6/11 MFR exp. 05/30/14
For Lab Use Only

RS

1-26-11 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
Printed: 1/28/2011 4:25:16 PM

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

Comments: _____

Printed: 1/28/2011 4:25:04 PM
APPL Standard LCS

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

Comments: _____

METALS
Sample Data

APPL, INC.

Metals Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Vilma Dupra
Project: LTM Red Hill Bulk Fuel Storage Facility
Sample ID: ES015
Sample Collection Date: 1/20/2011

ARF: 63706
APPL ID: AY30575

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\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
Sample ID: ES014
Sample Collection Date: 1/20/2011

ARF: 63706
APPL ID: AY30576

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\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
Sample ID: ES017
Sample Collection Date: 1/21/2011

ARF: 63706
APPL ID: AY30578

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\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)	0.22U	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

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)		Continuing Calibration Blank (ug/L)								Preparation Blank		M
		C	1	C	2	C	3	C		C			
	09:41		10:05		10:40		11:57		10:46				
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.: 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)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
	09:41		13:13						10:46		
Lead (Pb)	.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.:	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
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\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

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

Comments: _____

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

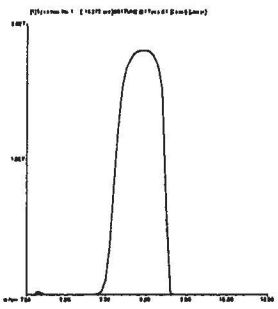
Data Results:
Analytes: Fail
ISTD: Pass

200.8 QC Tune Report

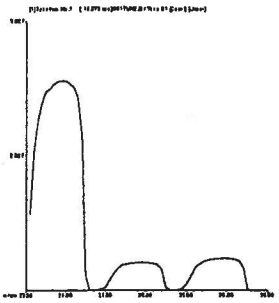
Data File: C:\ICPCHEM\1\DATA\11A26i00.B\001TUNE.D
Date Acquired: Jan 26 2011 08:43 am
Acq. Method: TN200_8.M
Operator: SDM
Sample Name: 100ppb tune sol
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\TN200_8.M

RSD (%)

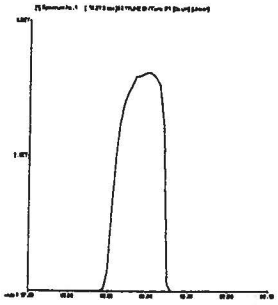
Element	CPS Mean	Rep1	Rep2	Rep3	Rep4	Rep5	%RSD	Required	Flag
9 Be	109754392	########	########	########	########	########	**0.88**	5.00	
24 Mg	239439920	########	########	########	########	########	**1.73**	5.00	
59 Co	245477254	########	########	########	########	########	**2.20**	5.00	
115 In	230705914	########	########	########	########	########	**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:



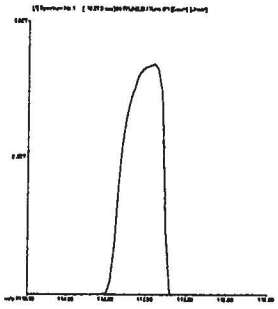
59 Co

Mass Calib.

Actual:	58.95		
Required:	58.90	-	59.10
Flag:			

Peak Width

Actual:	0.65		
Required:	0.90		
Flag:			



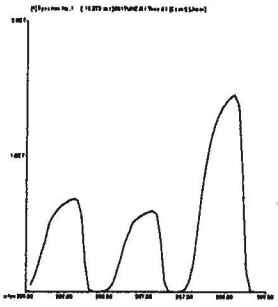
115 In

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:			

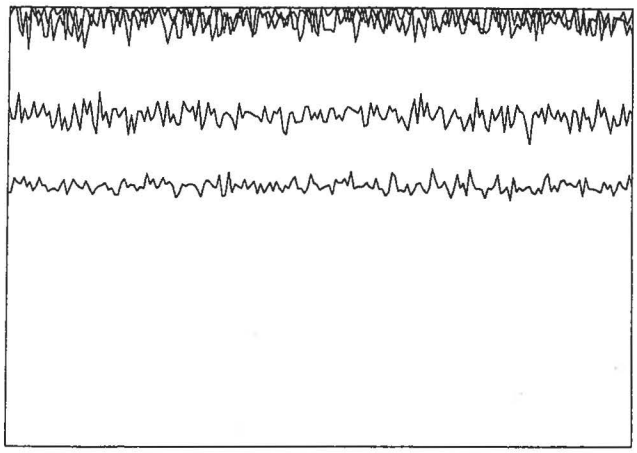
Peak Width

Actual:	0.60		
Required:	0.80		
Flag:			

Tune Result: Pass

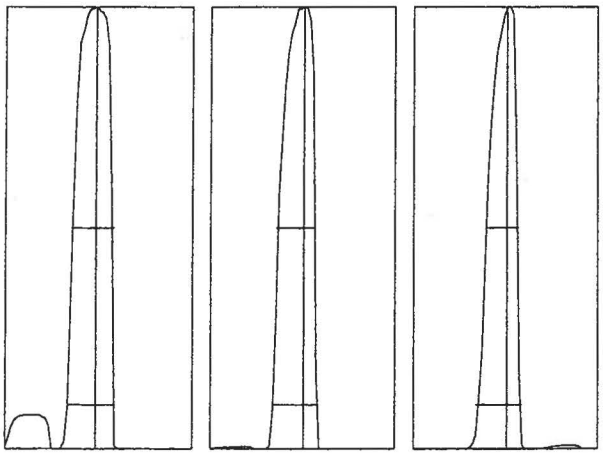
Tune Report

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

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	:	--- %

Generated : Jan 26, 2011 08:35:23
Printed : Jan 26, 2011 08:35:27

072 Metals Standards Log Book # 32 Page # 072

6010B/6010C 1/24/11 (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				

SDK 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	09F362-25328	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	09324I6-25995	1ppm	7/13/2011
				1/24/11		
Prep:	1/24/2011	-AG & DK	Prep in -	1%HNO3/1.0%HCL:	Lot #1110030/4110060 in 50mL	
Expires:	2/23/2011					

6020/6020A

SDK 1/24/11 (A)

ICP-MS STANDARDS 6020/6020A/3015/3051A 1/24/2011

Today's Date:
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	MOVED

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: RDS **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.
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.